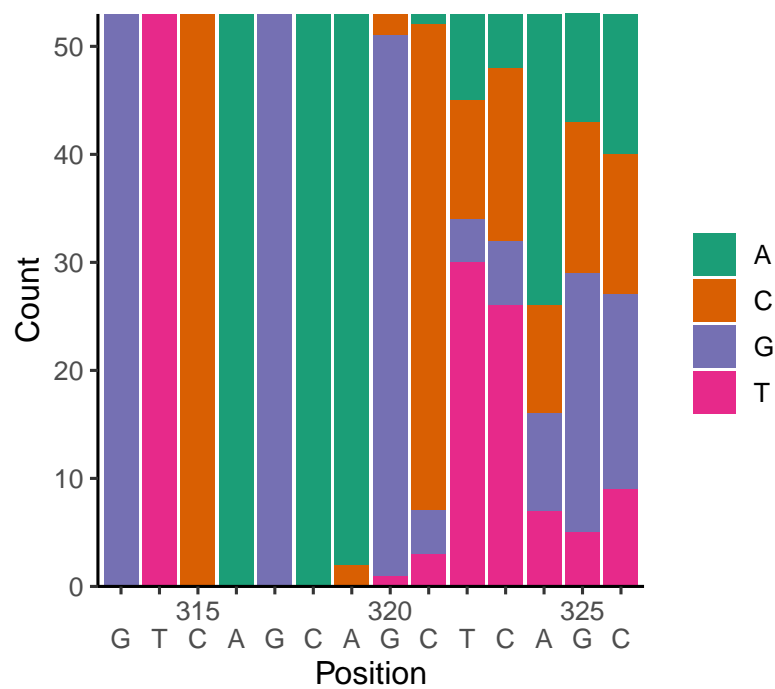
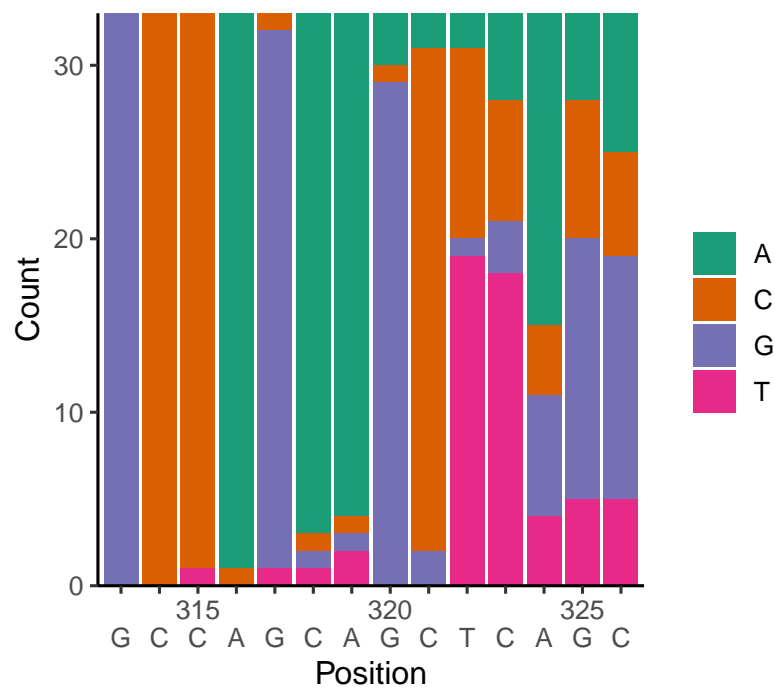


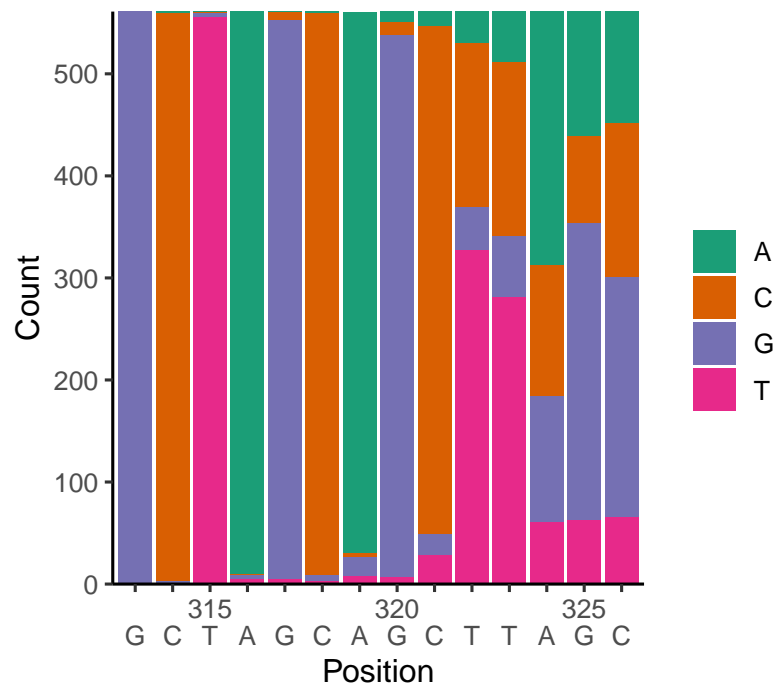
Gene TRBV7-1*ap01_G291C_T296C_C314T



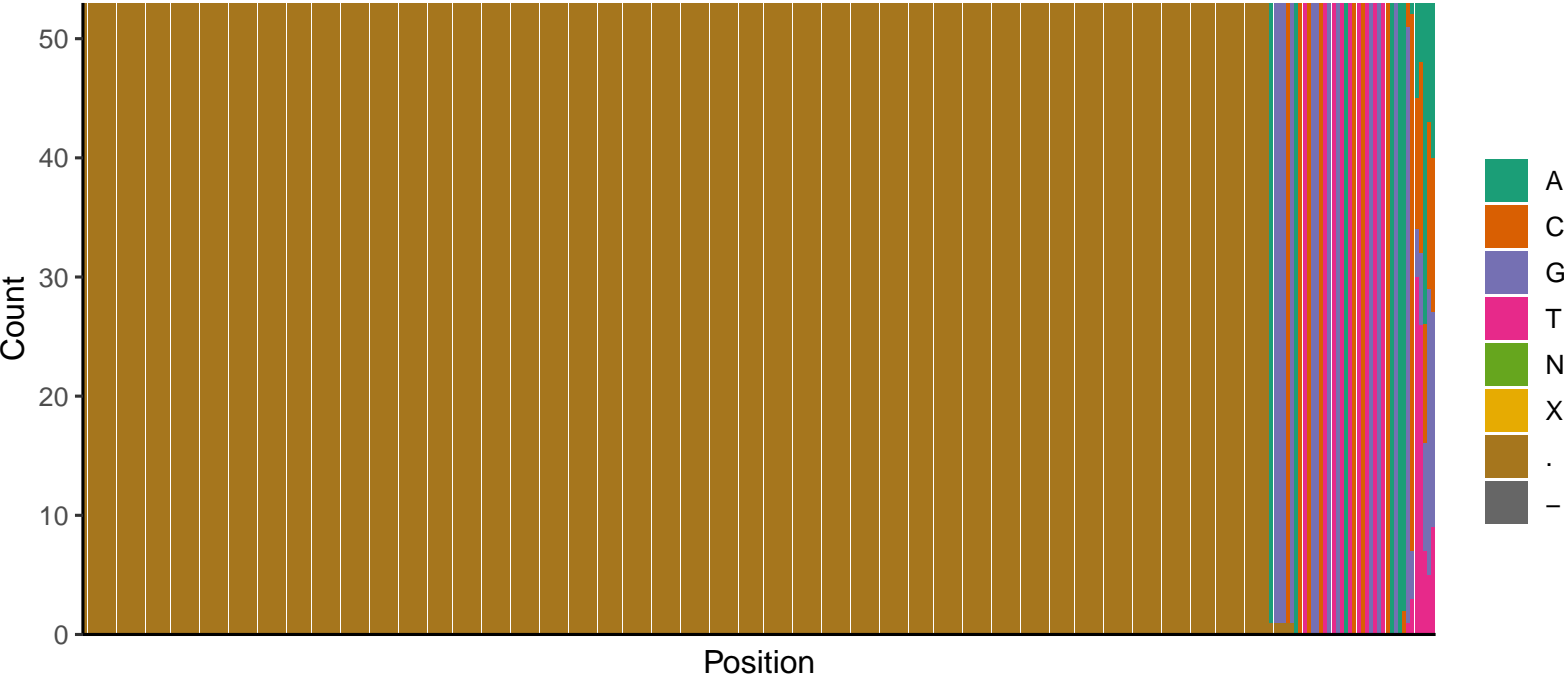
Gene TRBV7-1*ap01_G291C_T296C



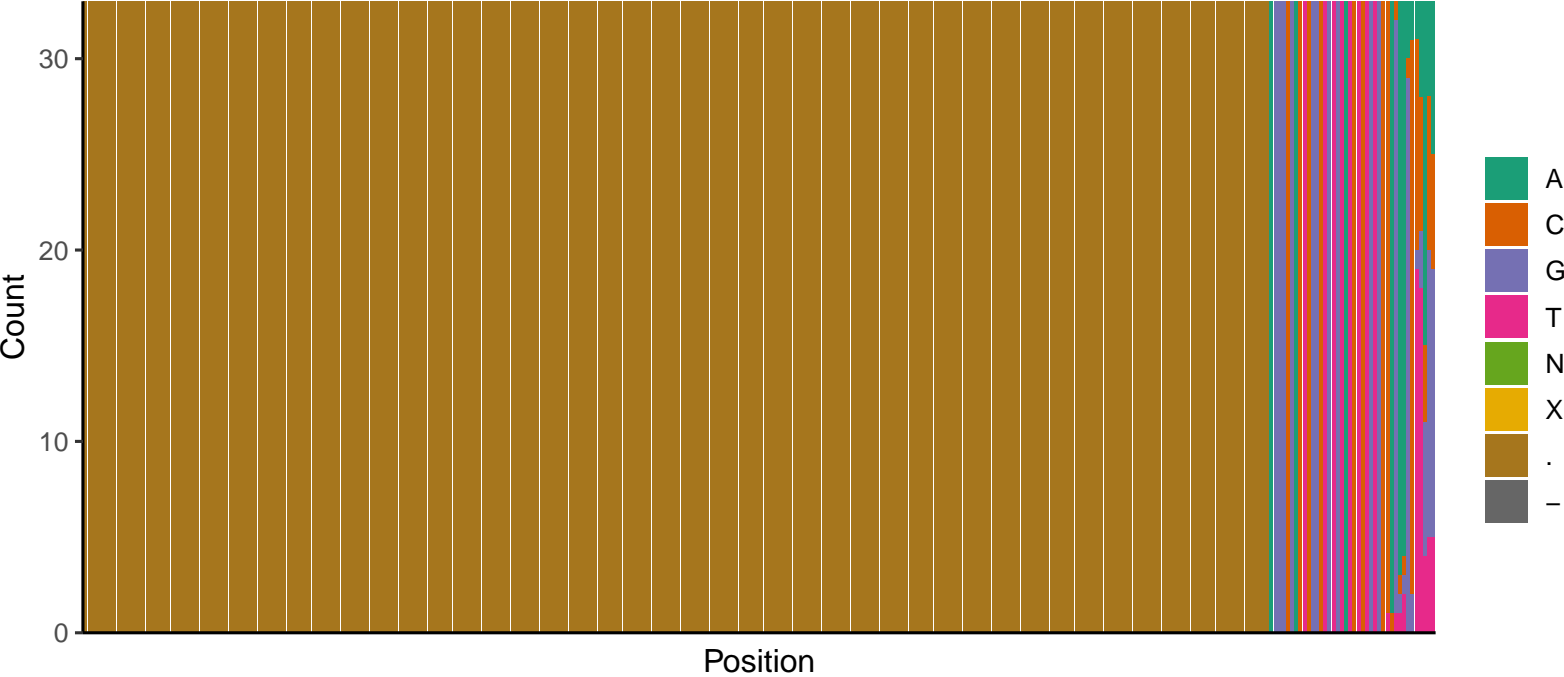
Gene TRBV7-7*ap01_C315T



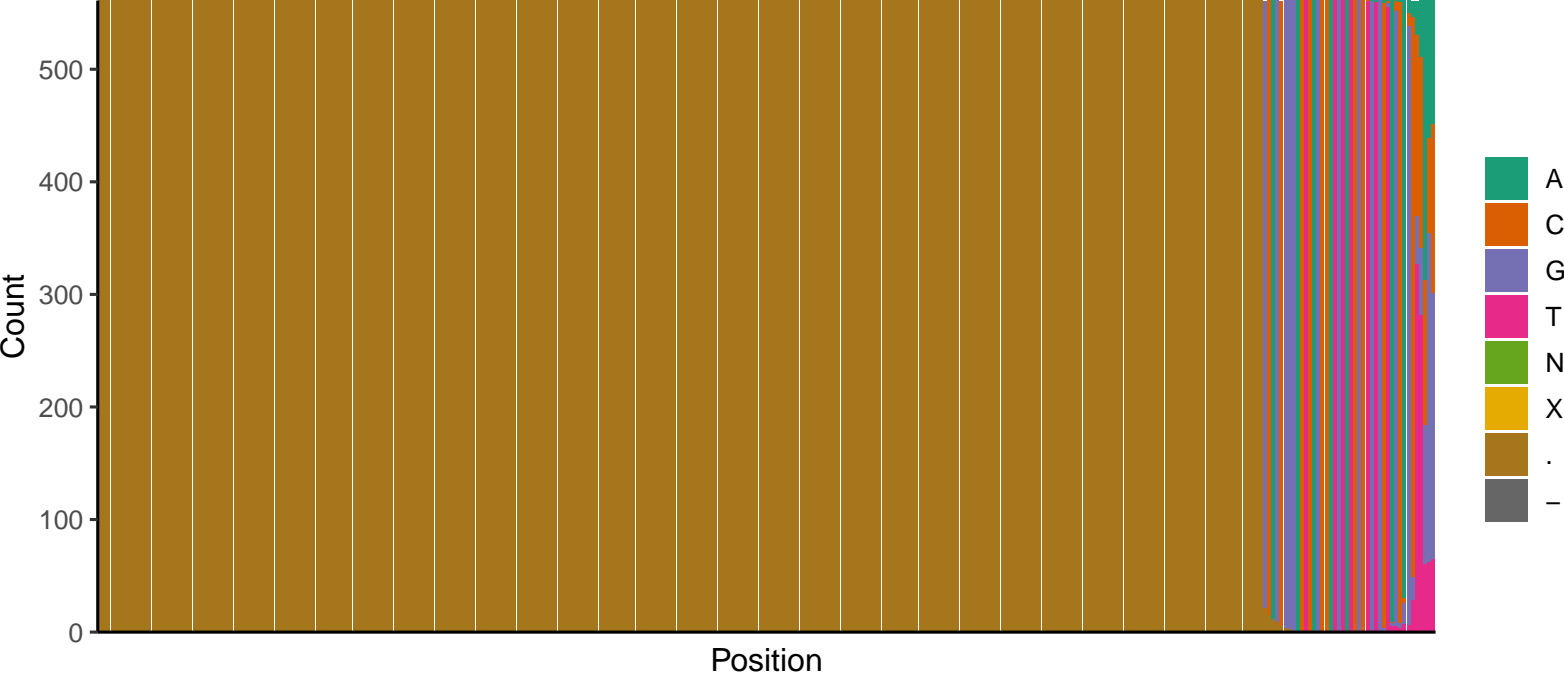
Gene TRBV7-1*ap01_G291C_T296C_C314T



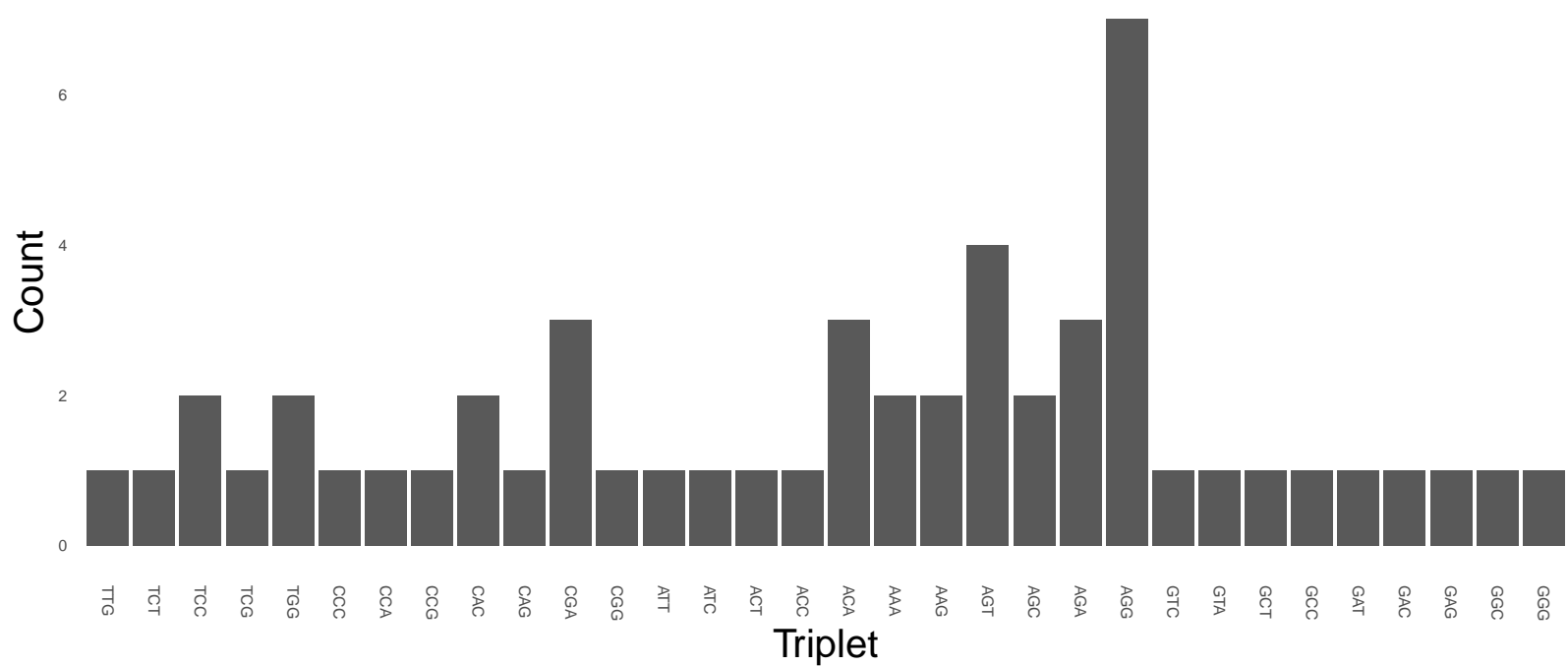
Gene TRBV7-1*ap01_G291C_T296C



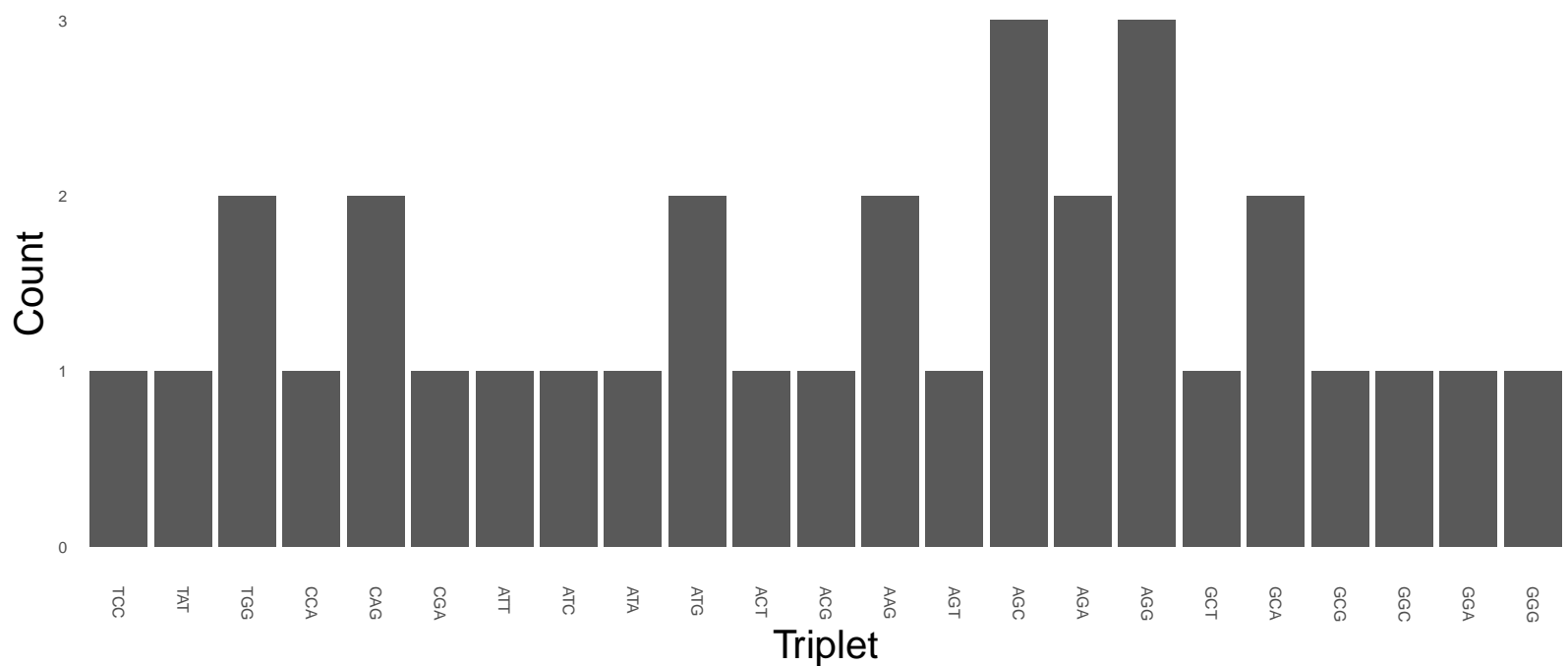
Gene TRBV7-7*ap01_C315T



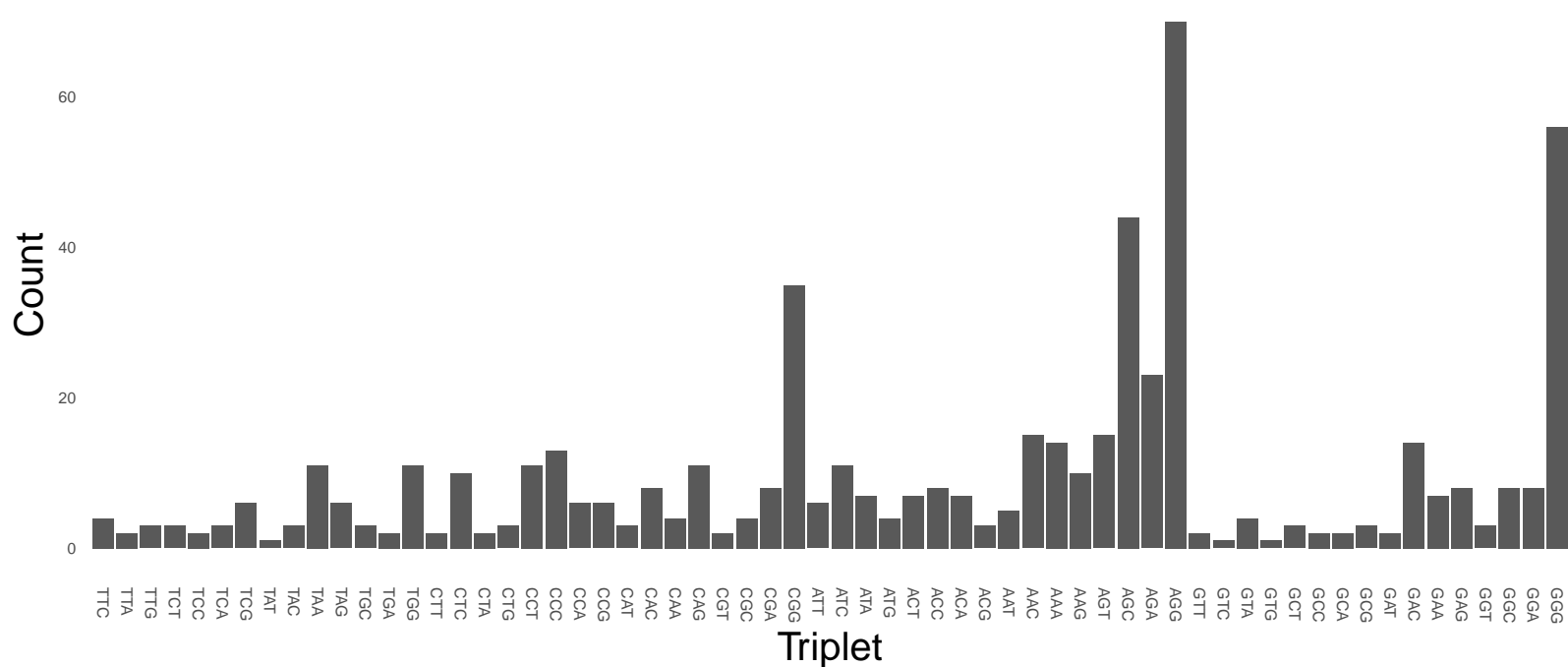
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

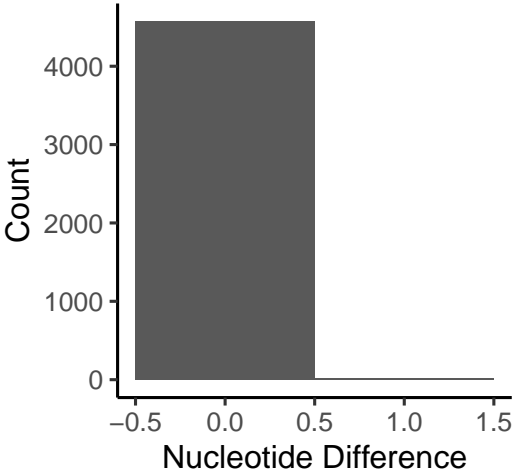


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



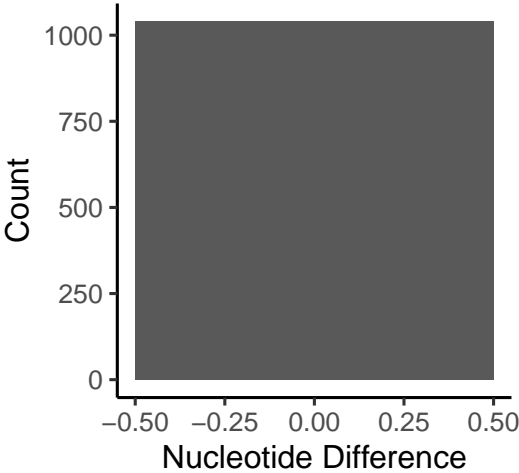
TRBV20-1*ap01

4596 sequences assigned
4572 (99.5%) exact matches, in which:
4550 unique CDR3
13 unique J



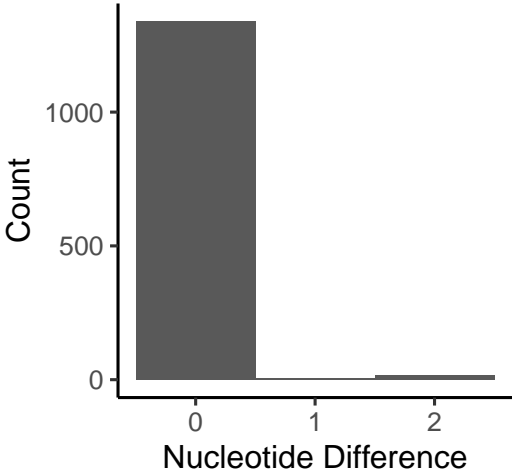
TRBV10-2*ap01

1040 sequences assigned
1040 (100%) exact matches, in which:
1034 unique CDR3
13 unique J



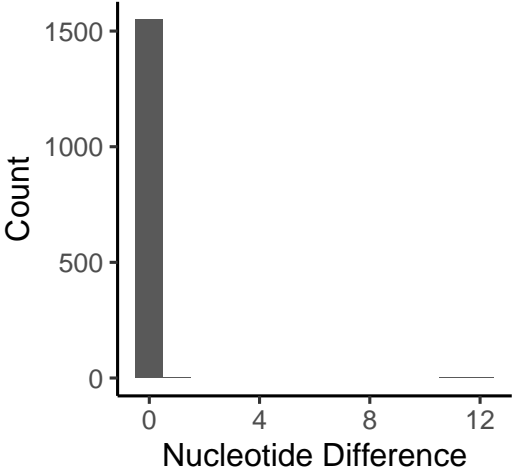
TRBV13*ap01

1364 sequences assigned
1339 (98.2%) exact matches, in which:
1332 unique CDR3
13 unique J



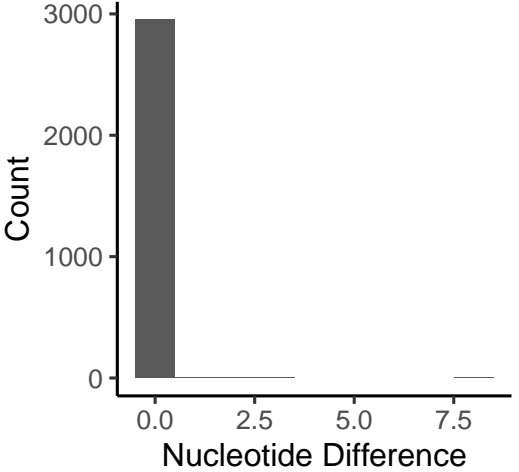
TRBV10-1*ap01

1555 sequences assigned
1549 (99.6%) exact matches, in which:
1545 unique CDR3
13 unique J



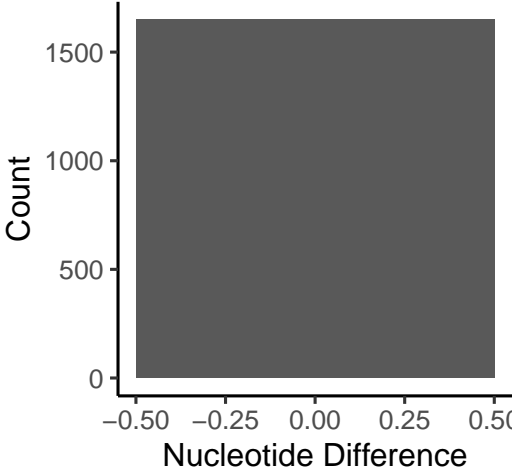
TRBV10-3*ap01

2962 sequences assigned
2952 (99.7%) exact matches, in which:
2943 unique CDR3
13 unique J



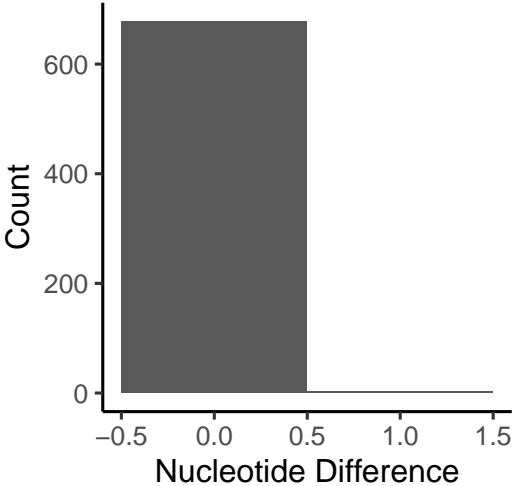
TRBV14*ap01

1649 sequences assigned
1649 (100%) exact matches, in which:
1645 unique CDR3
13 unique J



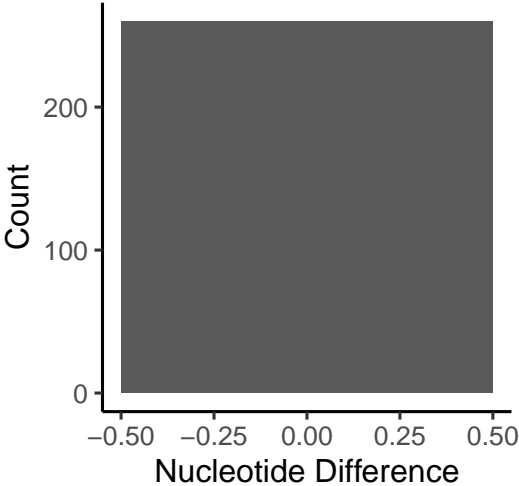
TRBV20-1*ap02

681 sequences assigned
678 (99.6%) exact matches, in which:
673 unique CDR3
12 unique J



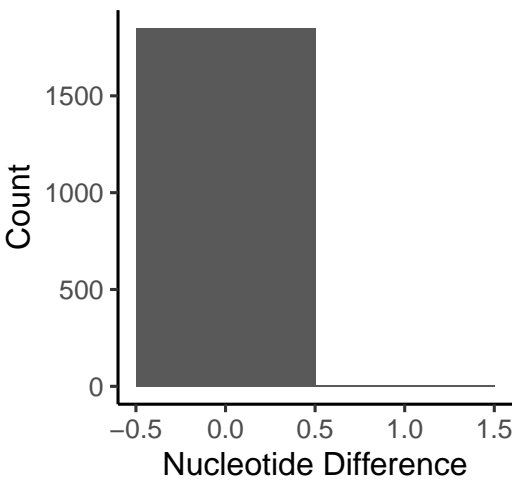
TRBV1*ap01

260 sequences assigned
260 (100%) exact matches, in which:
259 unique CDR3
13 unique J



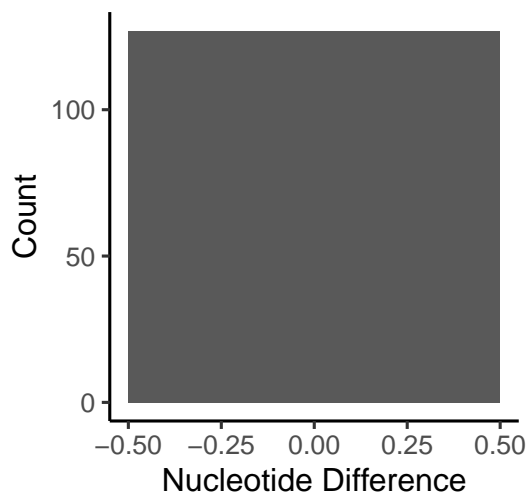
TRBV15*ap02

1856 sequences assigned
1850 (99.7%) exact matches, in which:
1842 unique CDR3
13 unique J



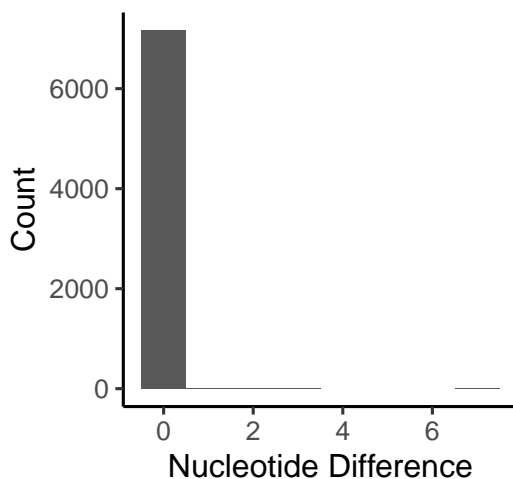
TRBV16*ap01

127 sequences assigned
127 (100%) exact matches, in which:
126 unique CDR3
12 unique J



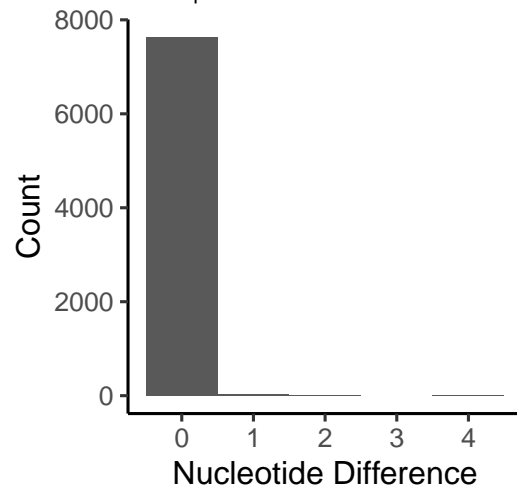
TRBV19*ap01

7185 sequences assigned
7165 (99.7%) exact matches, in which:
7152 unique CDR3
13 unique J



TRBV27*ap01

7656 sequences assigned
7626 (99.6%) exact matches, in which:
7605 unique CDR3
13 unique J



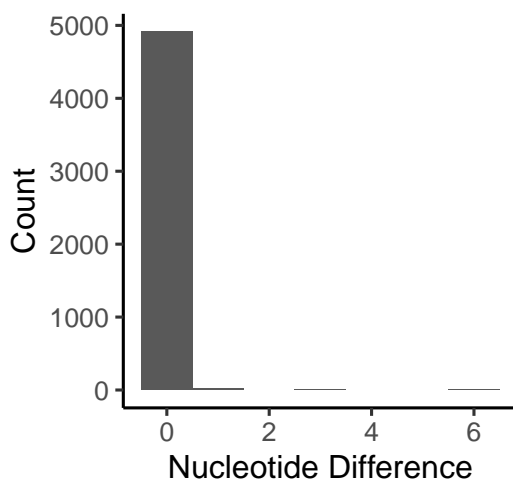
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



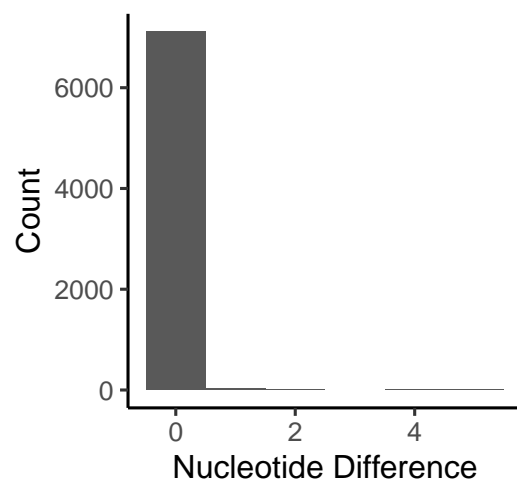
TRBV2*ap01

4935 sequences assigned
4913 (99.6%) exact matches, in which:
4893 unique CDR3
13 unique J



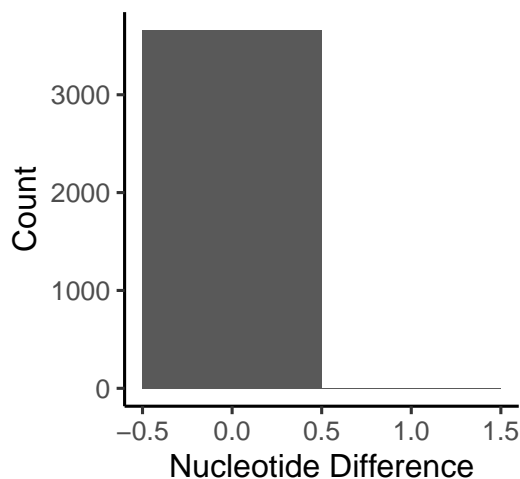
TRBV28*ap01

7137 sequences assigned
7111 (99.6%) exact matches, in which:
7092 unique CDR3
13 unique J



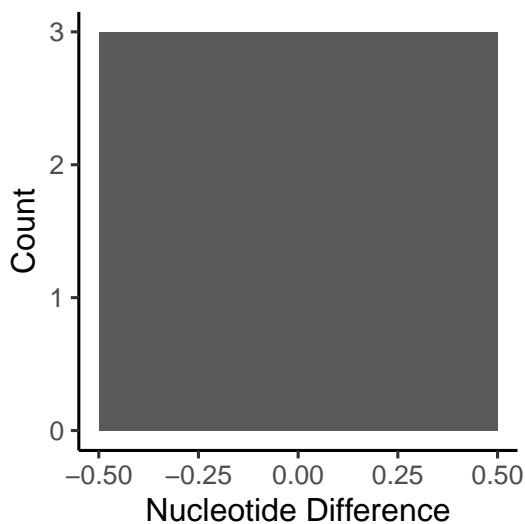
TRBV18*ap01

3665 sequences assigned
3661 (99.9%) exact matches, in which:
3658 unique CDR3
13 unique J



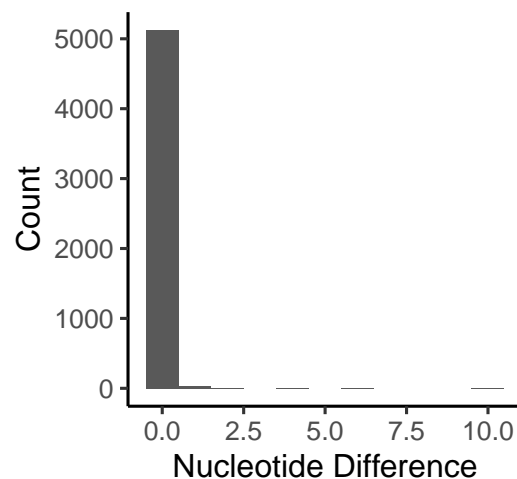
TRBV26*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
2 unique J



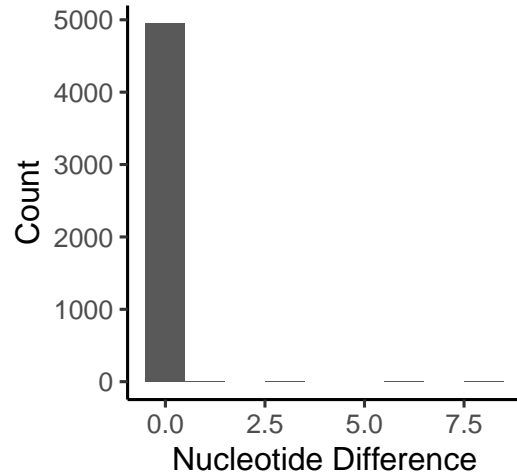
TRBV30*ap01

5166 sequences assigned
5125 (99.2%) exact matches, in which:
5114 unique CDR3
13 unique J



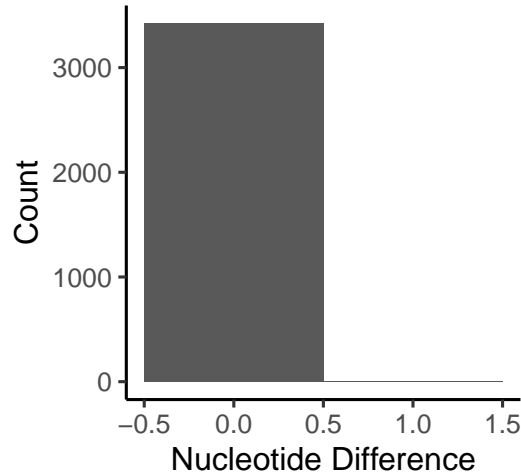
TRBV9*ap01

4964 sequences assigned
4950 (99.7%) exact matches, in which:
4930 unique CDR3
13 unique J



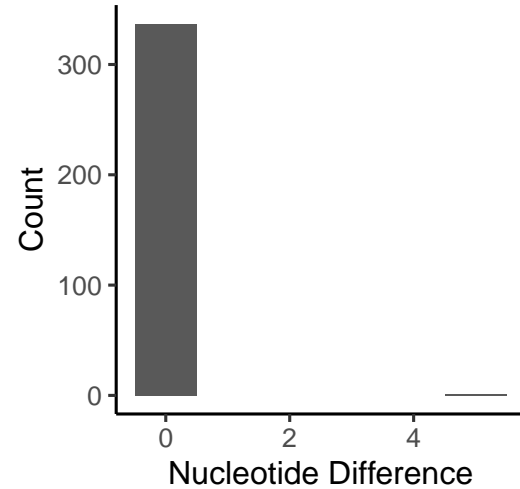
TRBV11-2*ap01

3423 sequences assigned
3422 (100%) exact matches, in which:
3417 unique CDR3
13 unique J



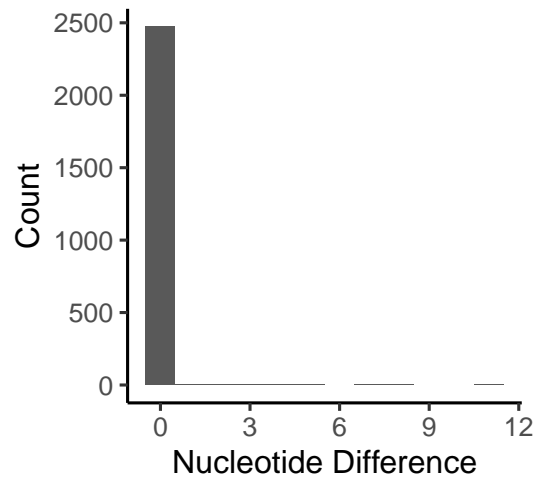
TRBV12-2*ap01

338 sequences assigned
337 (99.7%) exact matches, in which:
336 unique CDR3
13 unique J



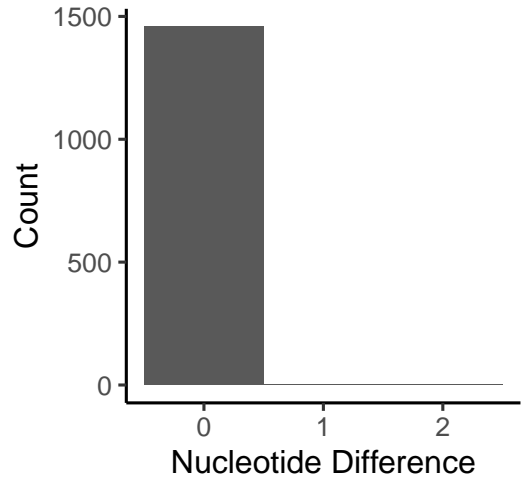
TRBV21-1*ap01

2489 sequences assigned
2473 (99.4%) exact matches, in which:
2472 unique CDR3
12 unique J



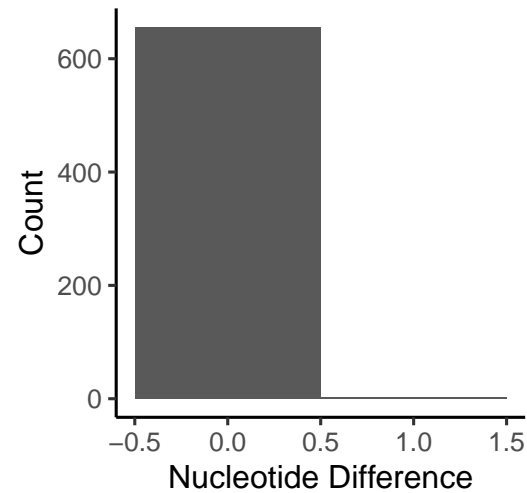
TRBV11-3*ap01

1463 sequences assigned
1458 (99.7%) exact matches, in which:
1454 unique CDR3
13 unique J



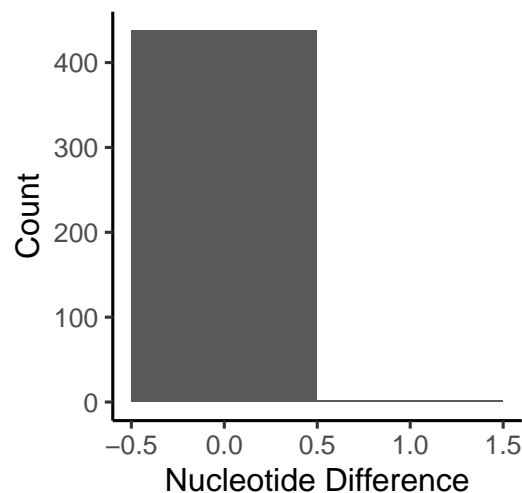
TRBV12-5*ap01

658 sequences assigned
656 (99.7%) exact matches, in which:
656 unique CDR3
12 unique J



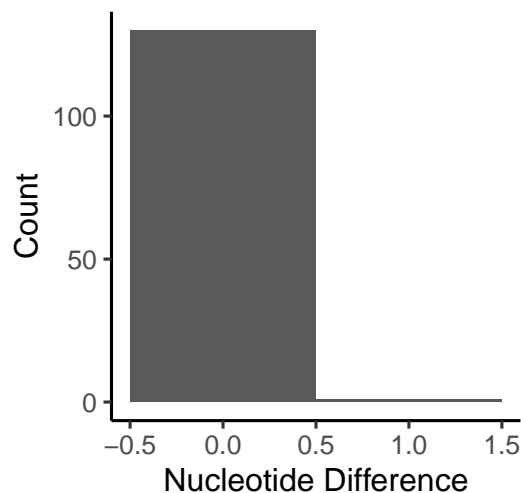
TRBV11-1*ap01

440 sequences assigned
438 (99.5%) exact matches, in which:
437 unique CDR3
13 unique J



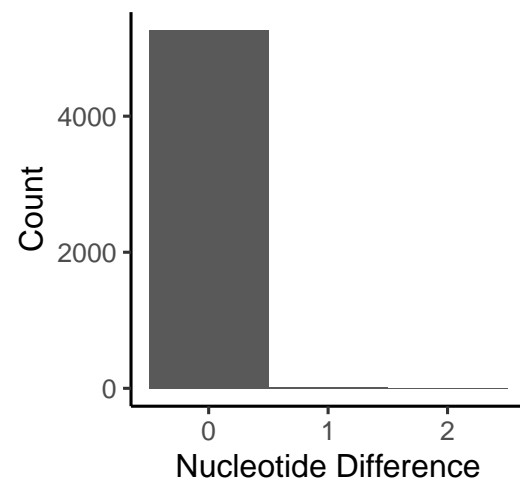
TRBV12-1*ap01

131 sequences assigned
130 (99.2%) exact matches, in which:
129 unique CDR3
12 unique J



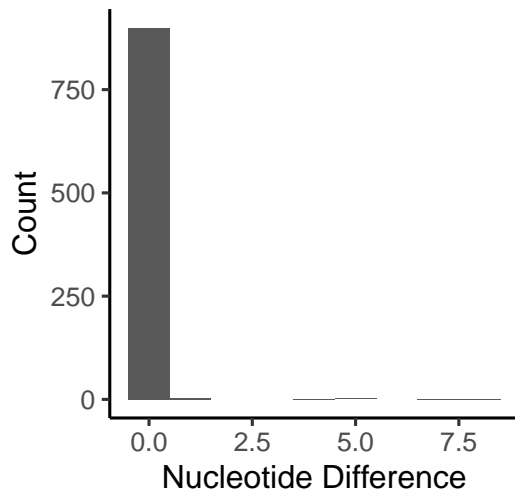
TRBV12-34*ap01

5284 sequences assigned
5266 (99.7%) exact matches, in which:
5250 unique CDR3
13 unique J



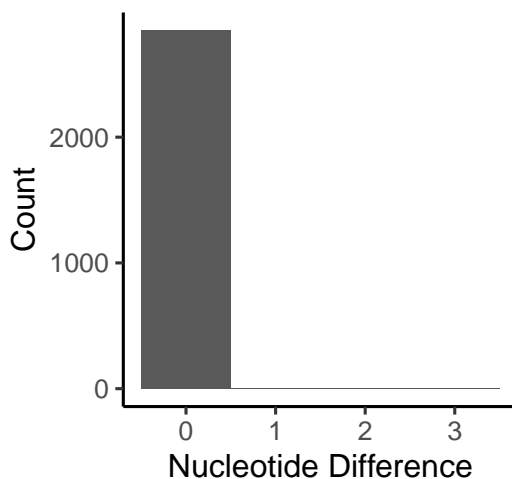
TRBV23–1*ap01

908 sequences assigned
900 (99.1%) exact matches, in which:
899 unique CDR3
13 unique J



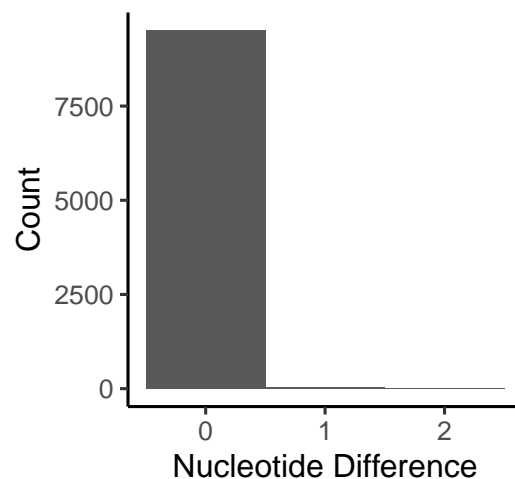
TRBV24–1*ap01

2856 sequences assigned
2849 (99.8%) exact matches, in which:
2844 unique CDR3
13 unique J



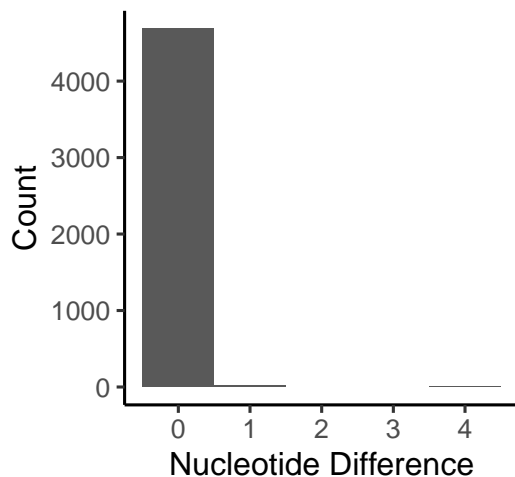
TRBV5–1*ap01

9537 sequences assigned
9508 (99.7%) exact matches, in which:
9440 unique CDR3
13 unique J



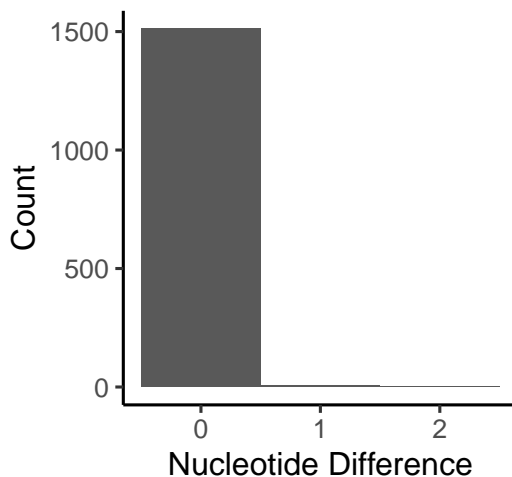
TRBV3–12*ap01

4701 sequences assigned
4685 (99.7%) exact matches, in which:
4679 unique CDR3
13 unique J



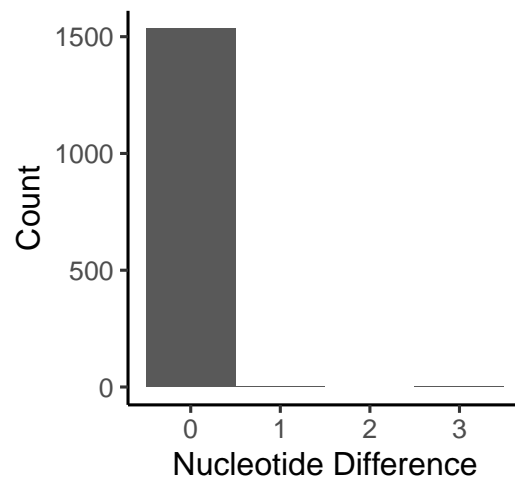
TRBV4–2*ap01

1521 sequences assigned
1512 (99.4%) exact matches, in which:
1507 unique CDR3
13 unique J



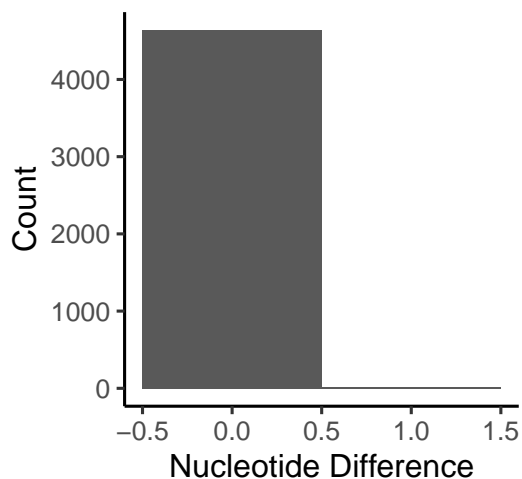
TRBV25–1*ap01

1538 sequences assigned
1534 (99.7%) exact matches, in which:
1530 unique CDR3
13 unique J



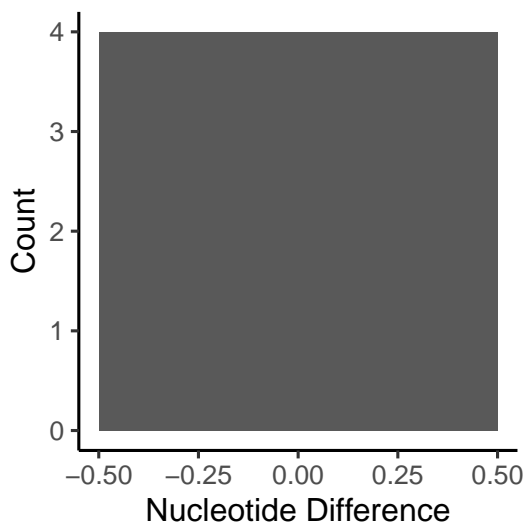
TRBV4–1*ap01

4654 sequences assigned
4640 (99.7%) exact matches, in which:
4617 unique CDR3
13 unique J



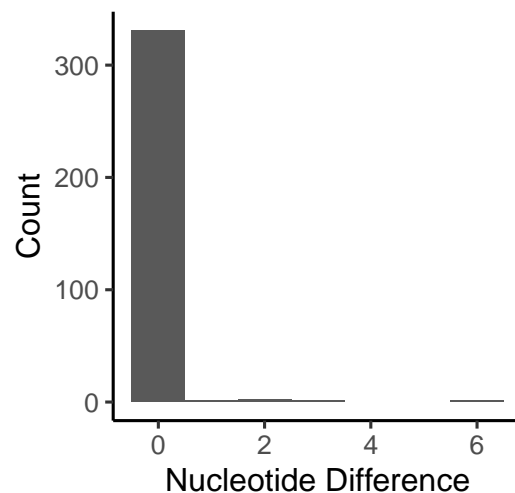
TRBV4–3*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



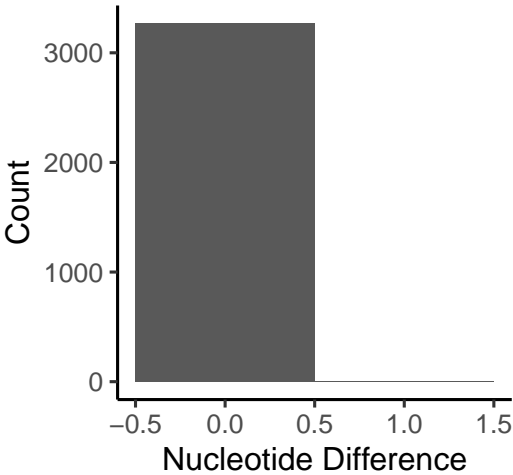
TRBV5–3*ap01

336 sequences assigned
331 (98.5%) exact matches, in which:
330 unique CDR3
12 unique J



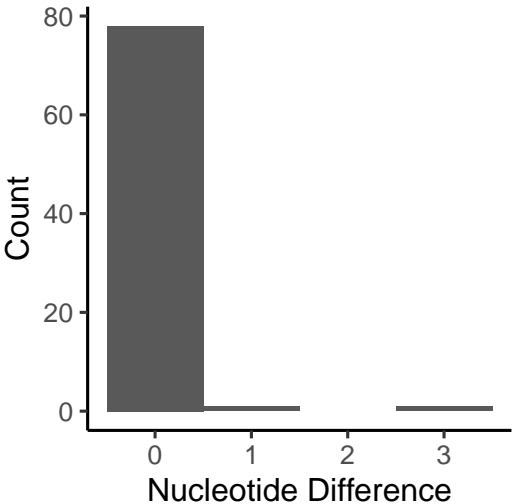
TRBV5-4*ap01

3277 sequences assigned
3268 (99.7%) exact matches, in which:
3259 unique CDR3
13 unique J



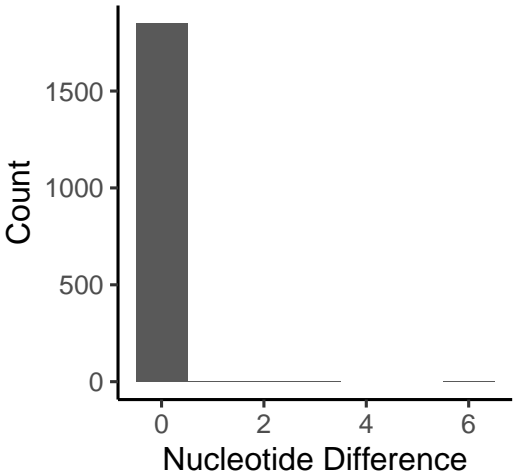
TRBV5-7*ap01

80 sequences assigned
78 (97.5%) exact matches, in which:
77 unique CDR3
11 unique J



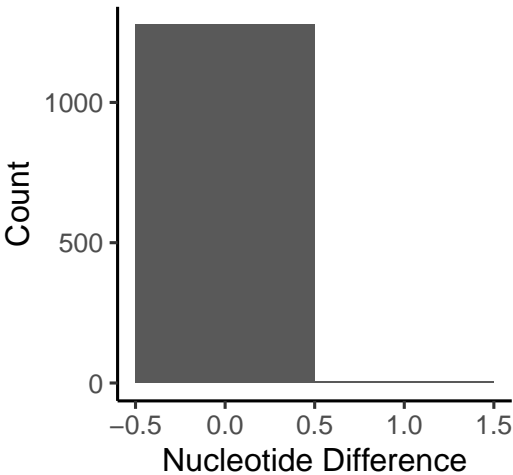
TRBV6-4*ap01

1857 sequences assigned
1849 (99.6%) exact matches, in which:
1847 unique CDR3
13 unique J



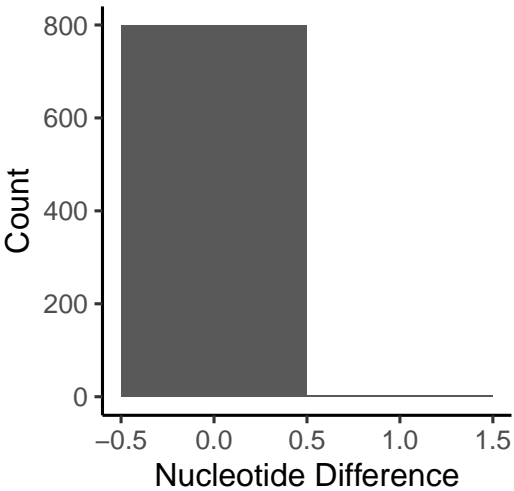
TRBV5-5*ap01

1281 sequences assigned
1277 (99.7%) exact matches, in which:
1273 unique CDR3
12 unique J



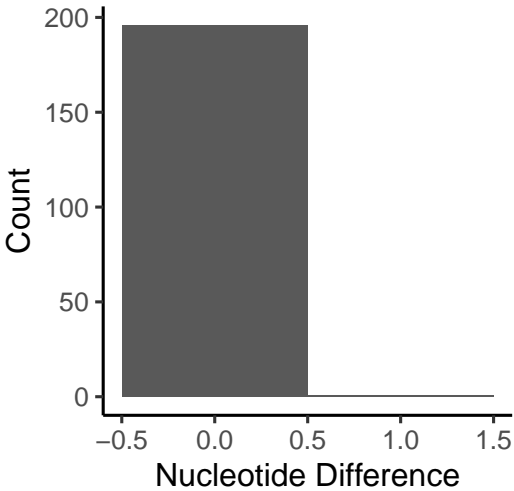
TRBV5-8*ap01

803 sequences assigned
800 (99.6%) exact matches, in which:
799 unique CDR3
13 unique J



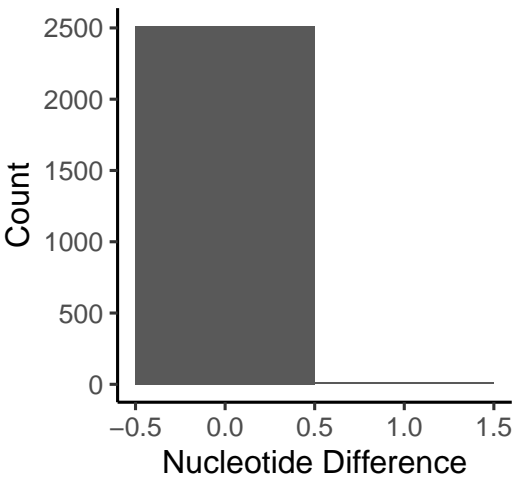
TRBV6-7*ap01

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



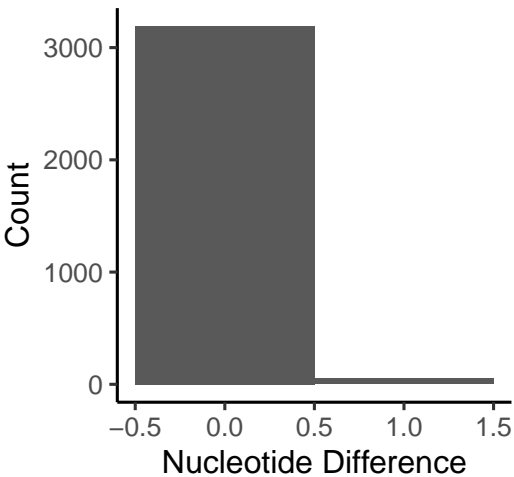
TRBV5-6*ap01

2525 sequences assigned
2513 (99.5%) exact matches, in which:
2494 unique CDR3
13 unique J



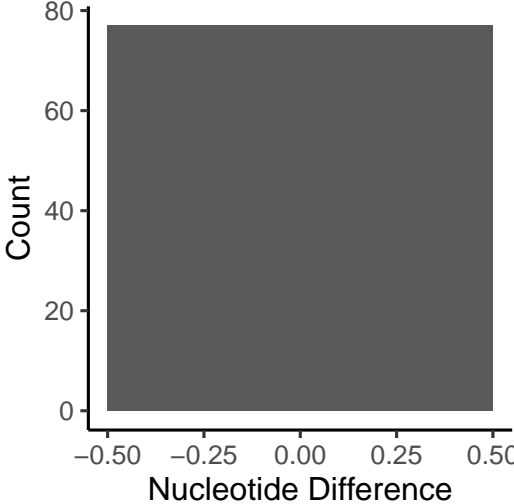
TRBV6-1*ap01

3244 sequences assigned
3192 (98.4%) exact matches, in which:
3177 unique CDR3
13 unique J



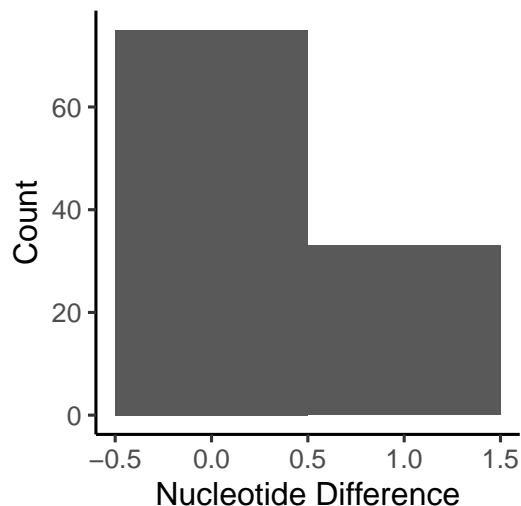
TRBV6-8*ap01

77 sequences assigned
77 (100%) exact matches, in which:
77 unique CDR3
12 unique J



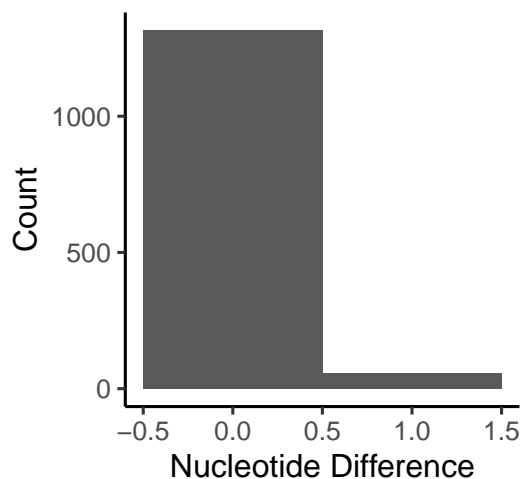
TRBV6–9*ap01

108 sequences assigned
75 (69.4%) exact matches, in which:
74 unique CDR3
11 unique J



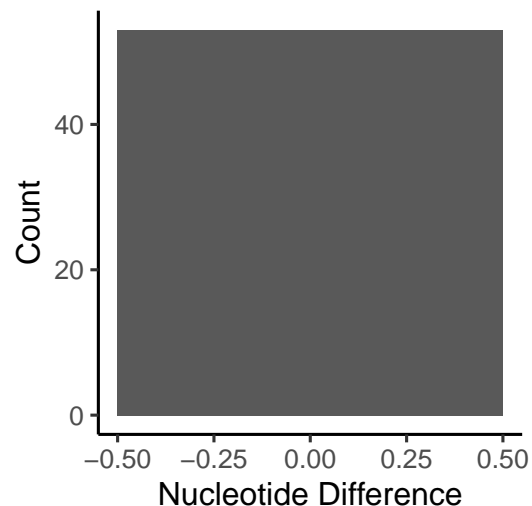
TRBV6–56*ap02

1372 sequences assigned
1315 (95.8%) exact matches, in which:
1307 unique CDR3
13 unique J



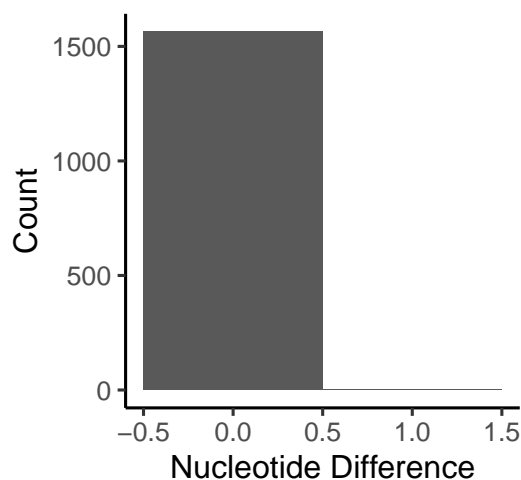
TRBV7–1*ap01_G291C_T

53 sequences assigned
53 (100%) exact matches, in which:
53 unique CDR3
11 unique J



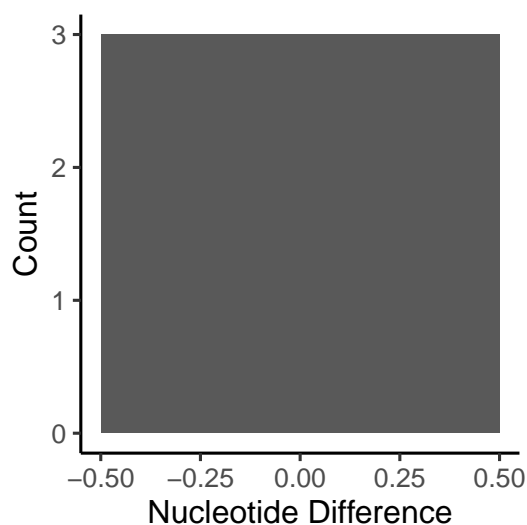
TRBV6–23*ap01

1567 sequences assigned
1564 (99.8%) exact matches, in which:
1558 unique CDR3
13 unique J



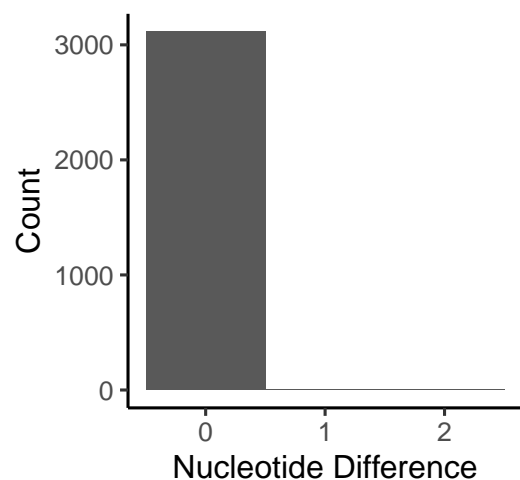
TRBV7–1*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
3 unique J



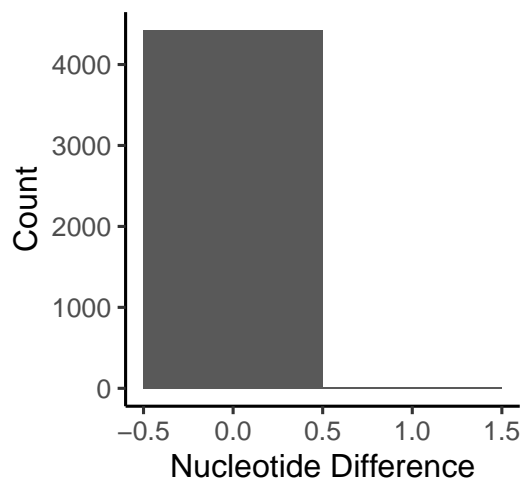
TRBV7–2*ap01

3120 sequences assigned
3114 (99.8%) exact matches, in which:
3109 unique CDR3
13 unique J



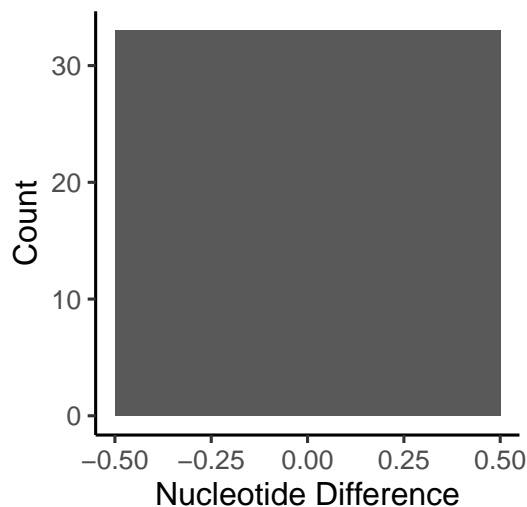
TRBV6–56*ap01

4440 sequences assigned
4426 (99.7%) exact matches, in which:
4407 unique CDR3
13 unique J



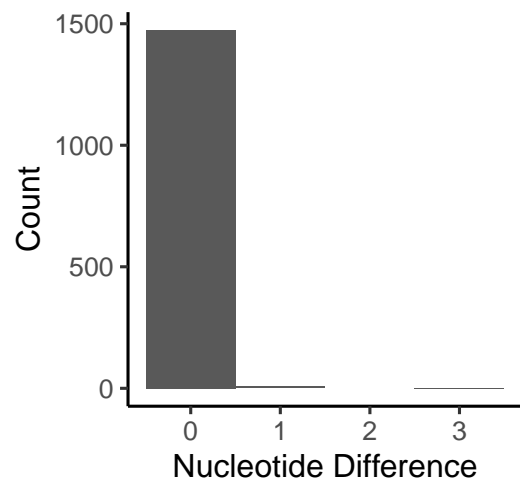
TRBV7–1*ap01_G291C_T

33 sequences assigned
33 (100%) exact matches, in which:
33 unique CDR3
11 unique J



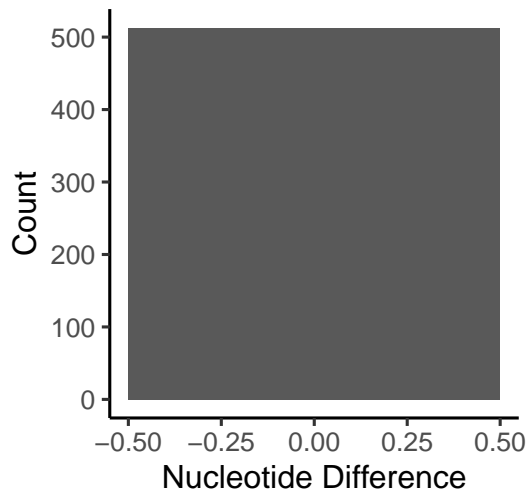
TRBV7–3*ap01

1483 sequences assigned
1474 (99.4%) exact matches, in which:
1467 unique CDR3
13 unique J



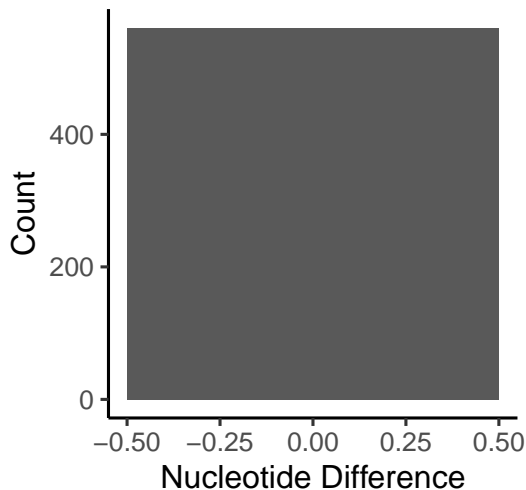
TRBV7-3*ap03

513 sequences assigned
513 (100%) exact matches, in which:
513 unique CDR3
13 unique J



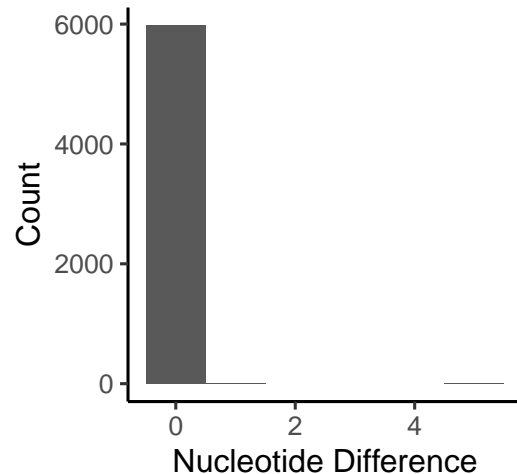
TRBV7-7*ap01_C315T

561 sequences assigned
561 (100%) exact matches, in which:
559 unique CDR3
12 unique J



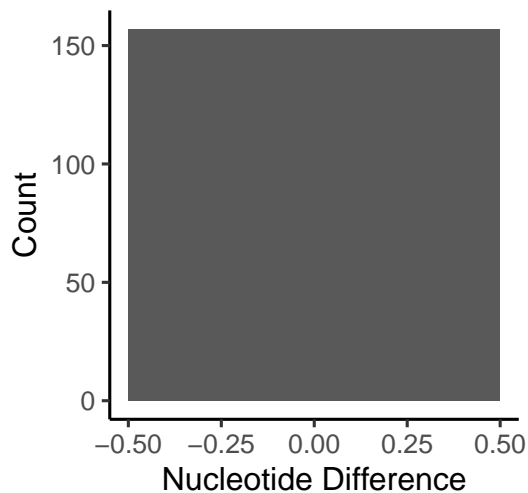
TRBV7-9*ap01

5989 sequences assigned
5978 (99.8%) exact matches, in which:
5968 unique CDR3
13 unique J



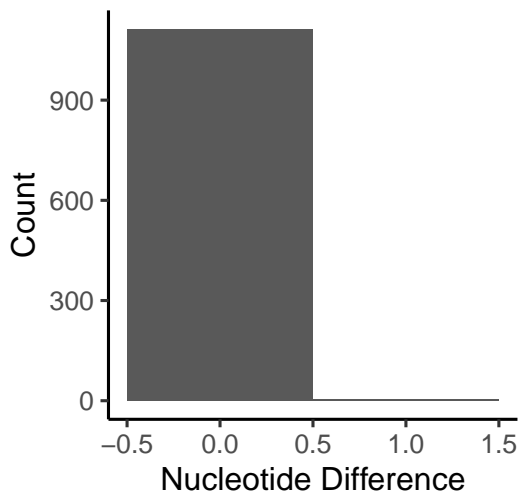
TRBV7-4*ap01

157 sequences assigned
157 (100%) exact matches, in which:
157 unique CDR3
12 unique J



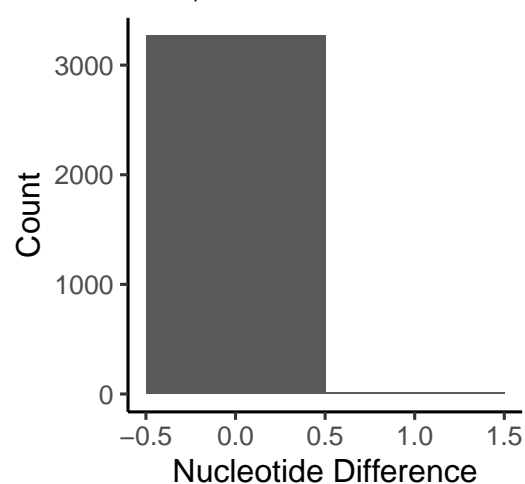
TRBV7-8*ap01

1116 sequences assigned
1113 (99.7%) exact matches, in which:
1110 unique CDR3
13 unique J



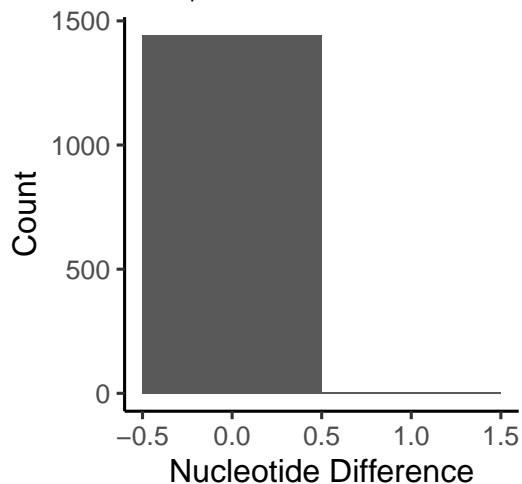
TRBV29-1*ap01

3285 sequences assigned
3268 (99.5%) exact matches, in which:
3256 unique CDR3
12 unique J



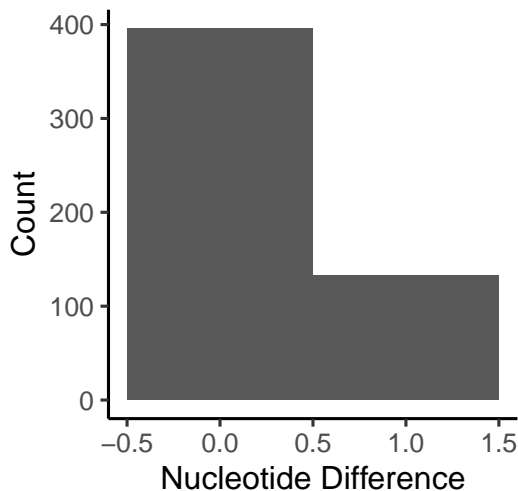
TRBV7-6*ap01

1448 sequences assigned
1443 (99.7%) exact matches, in which:
1439 unique CDR3
12 unique J



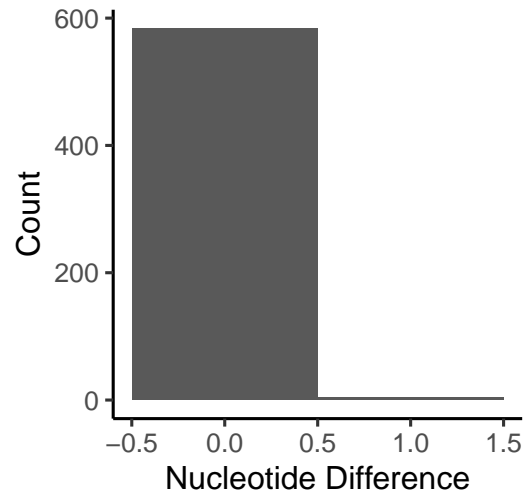
TRBV7-8*ap03

529 sequences assigned
396 (74.9%) exact matches, in which:
396 unique CDR3
13 unique J

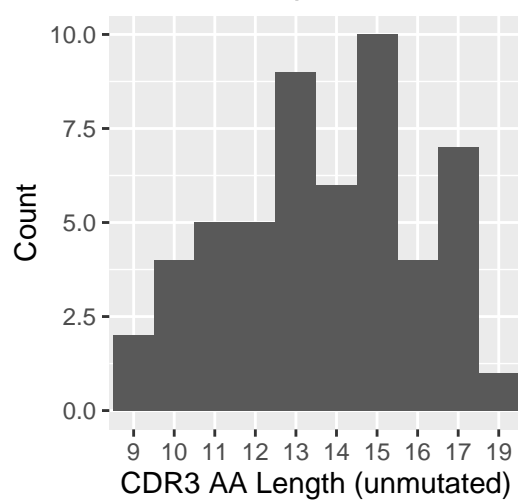


TRBV29-1*ap02

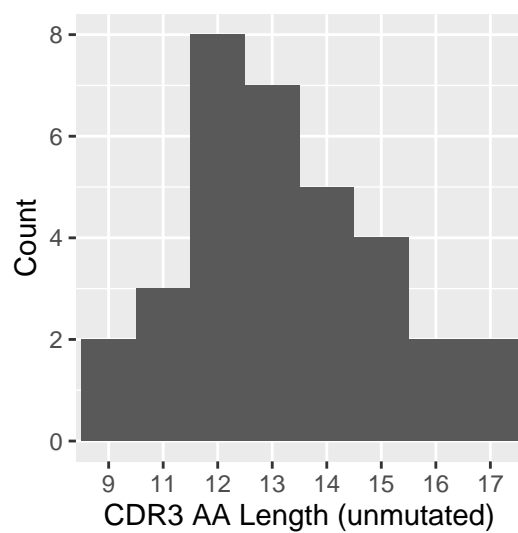
588 sequences assigned
584 (99.3%) exact matches, in which:
581 unique CDR3
12 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

