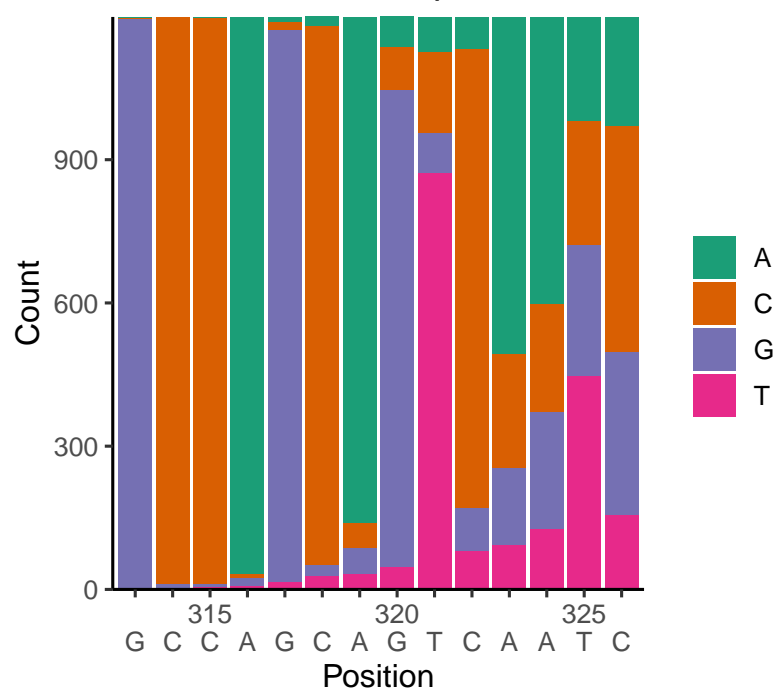
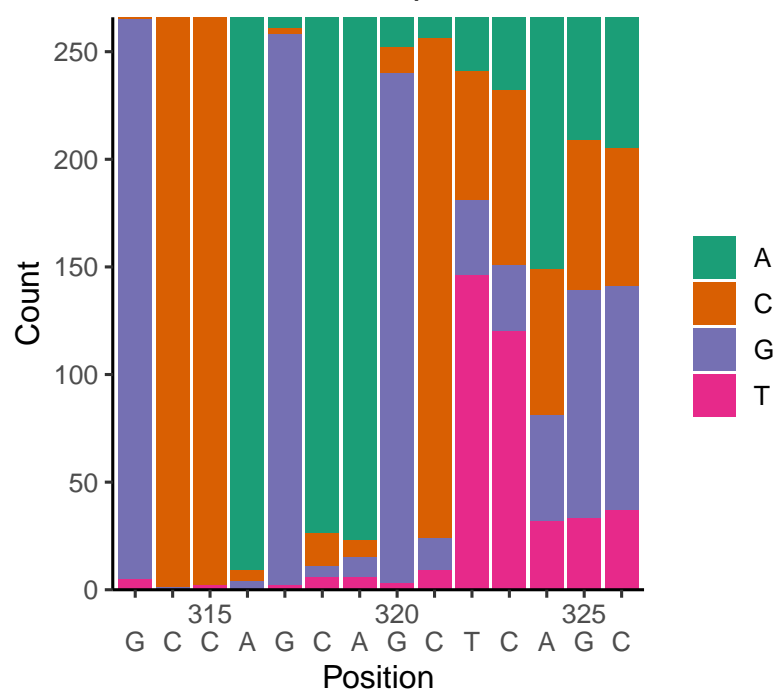


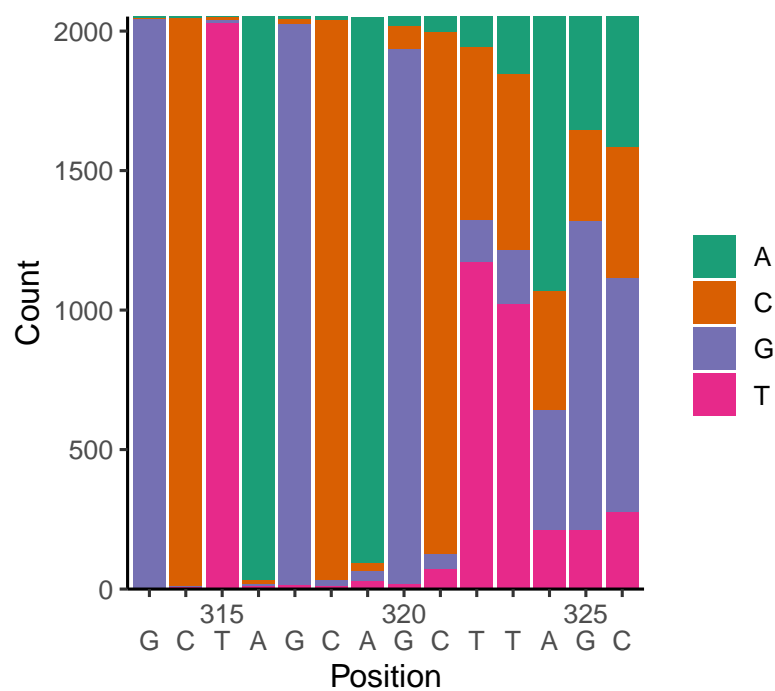
Gene TRBV23-1*ap01_T304C



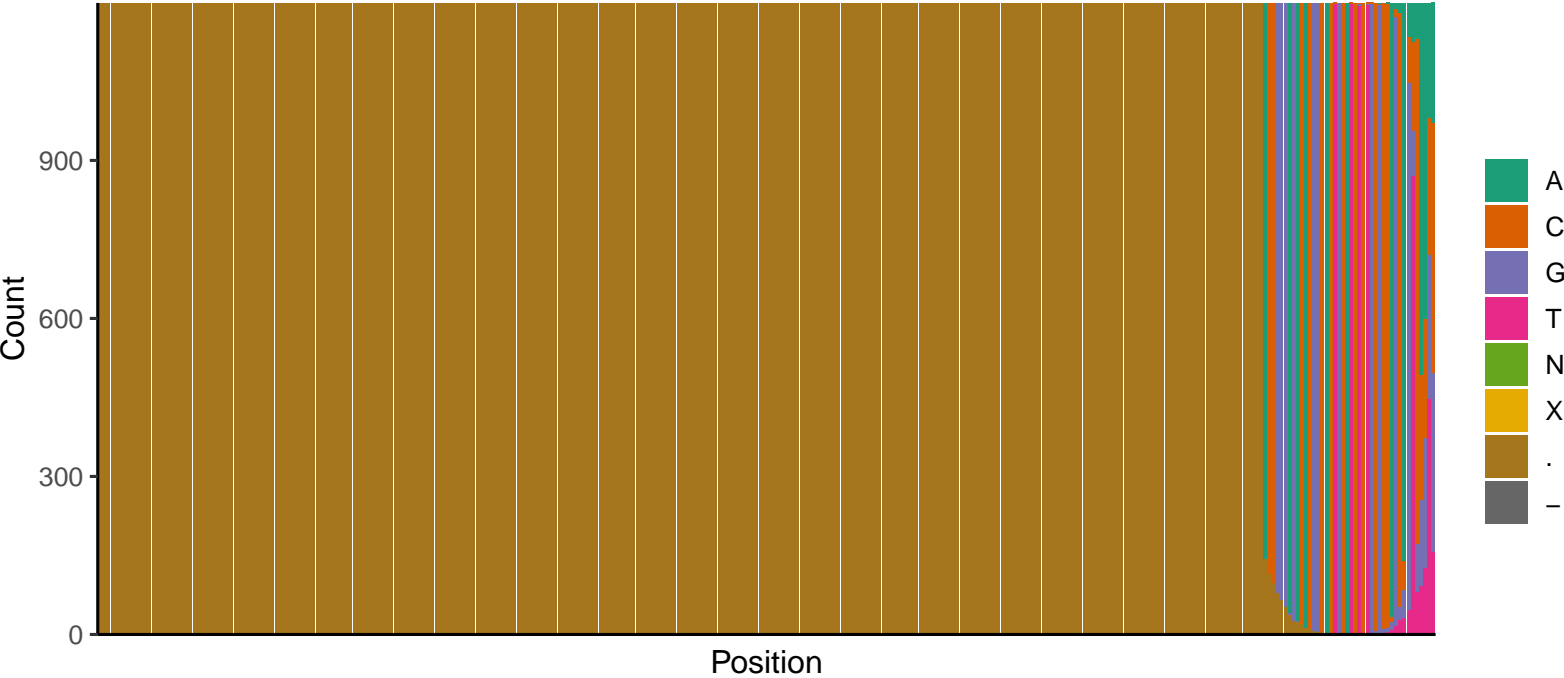
Gene TRBV7-1*ap01_G291C_T296C



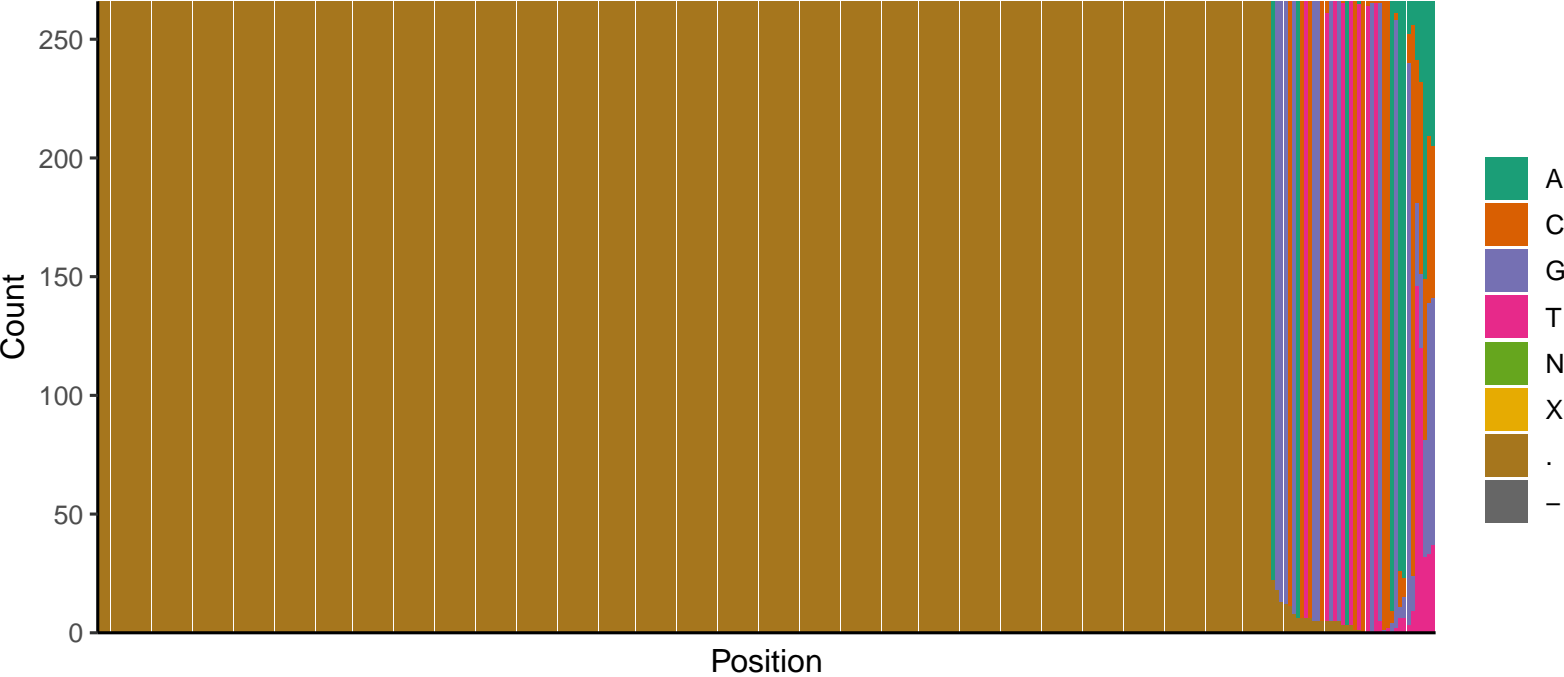
Gene TRBV7-7*ap01_C315T



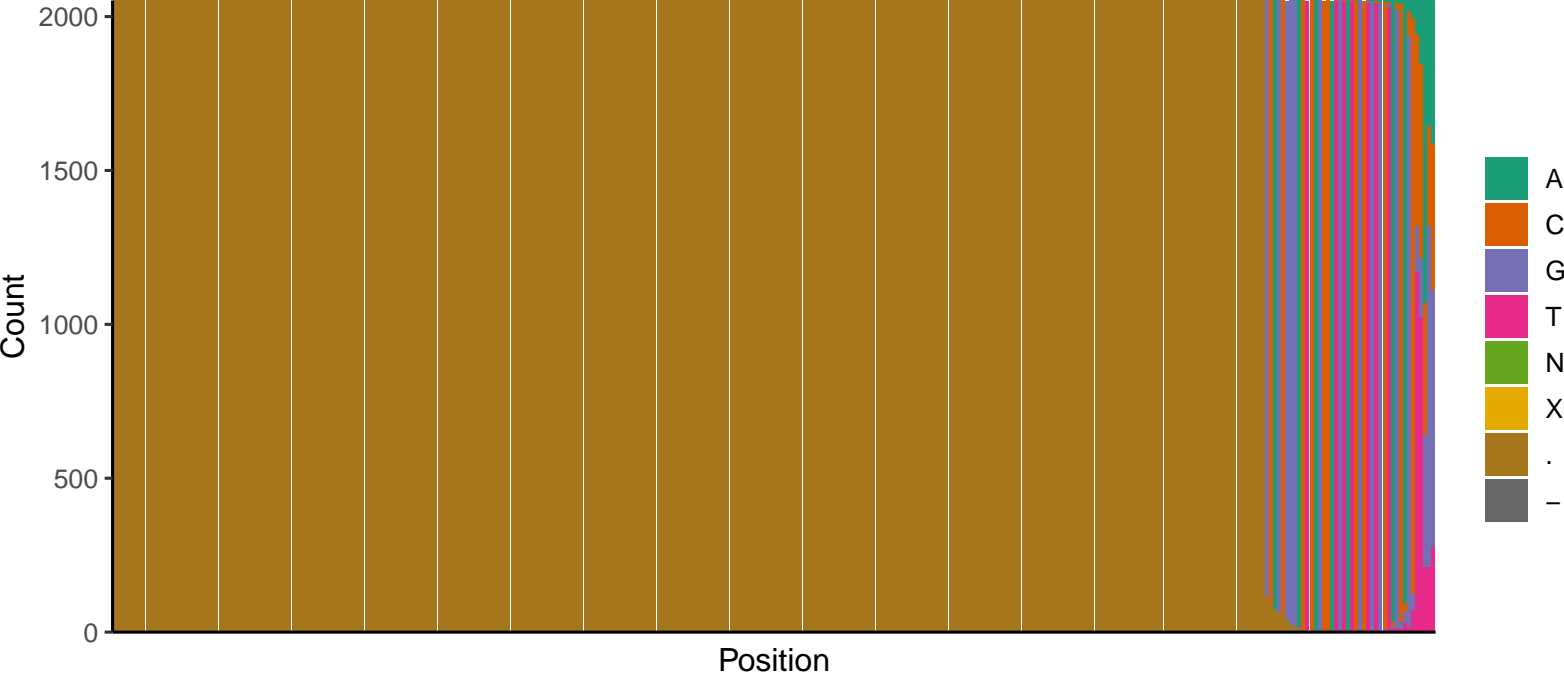
Gene TRBV23-1*ap01_T304C



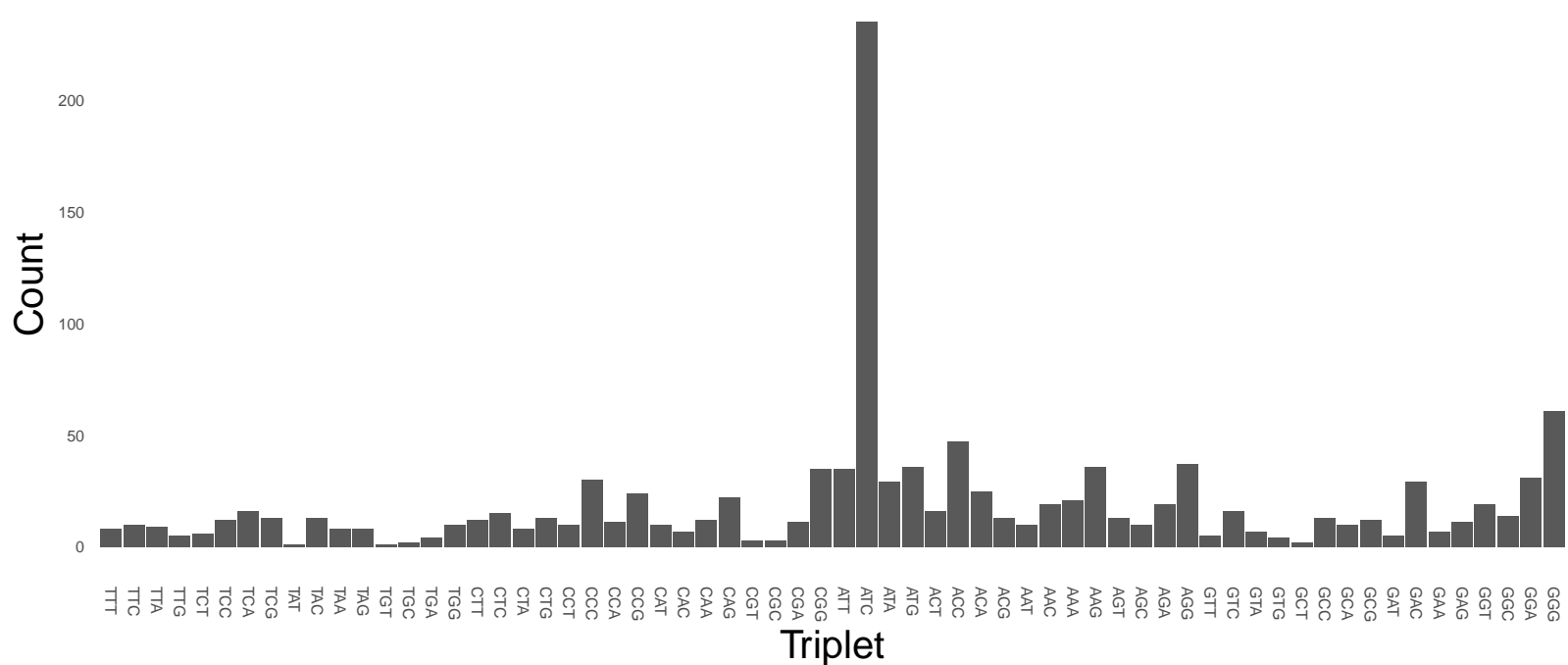
Gene TRBV7-1*ap01_G291C_T296C



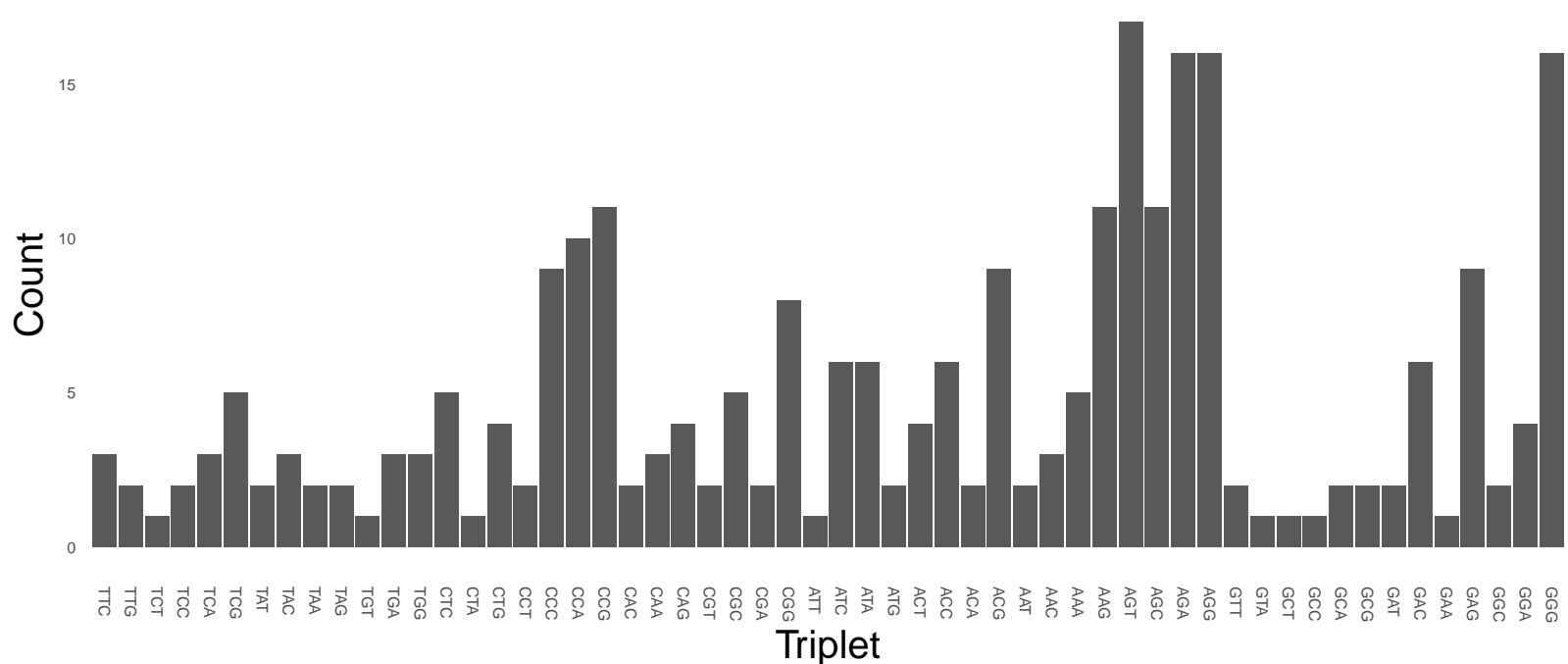
Gene TRBV7-7*ap01_C315T



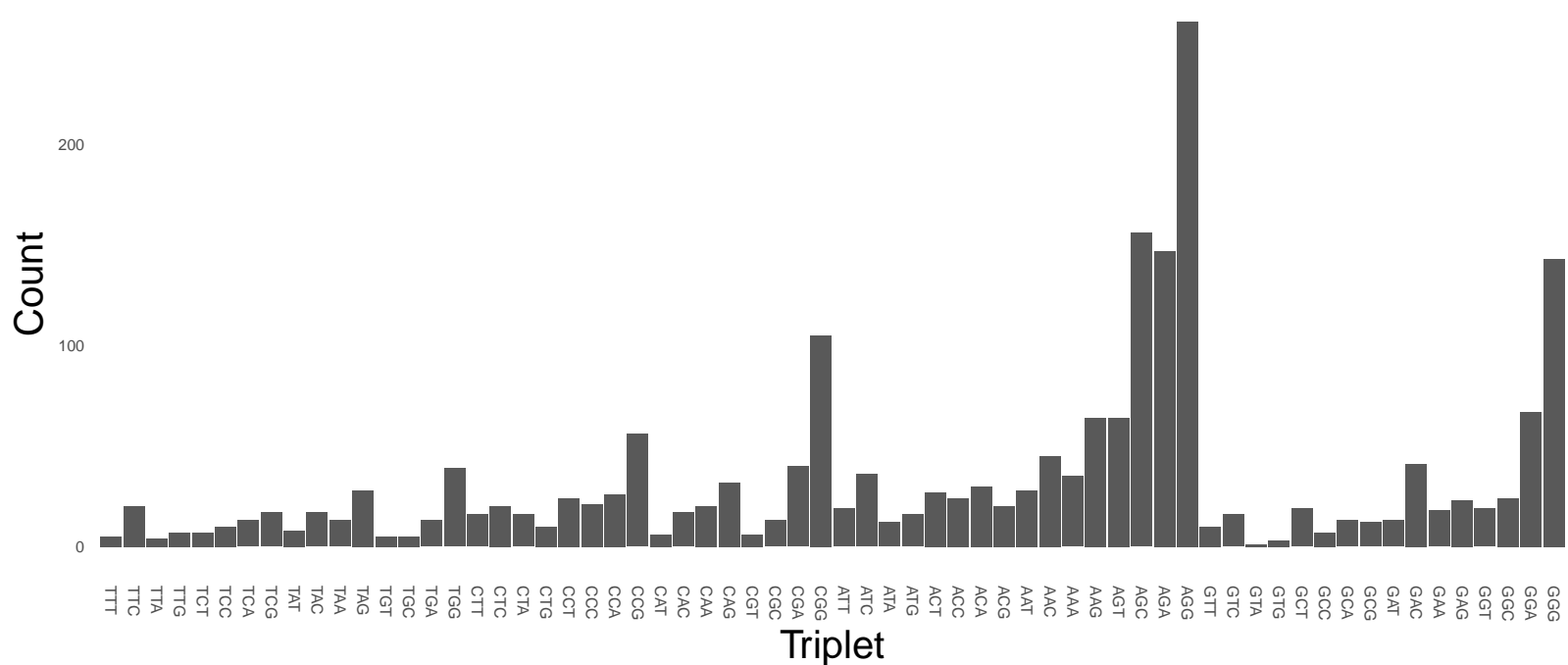
TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet



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

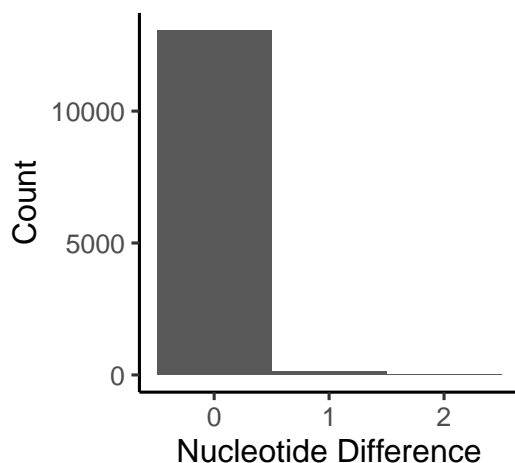


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



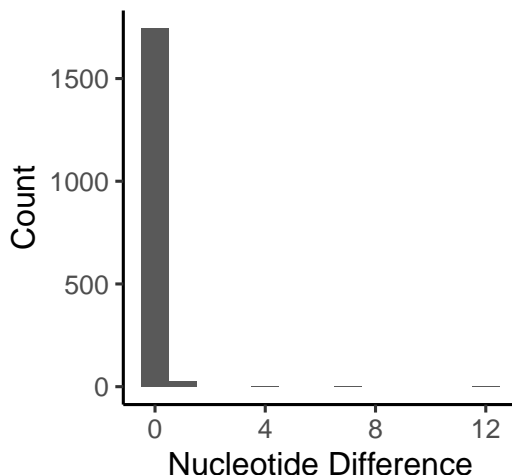
TRBV20-1*ap01

13192 sequences assigned
13069 (99.1%) exact matches, in which:
12876 unique CDR3
13 unique J



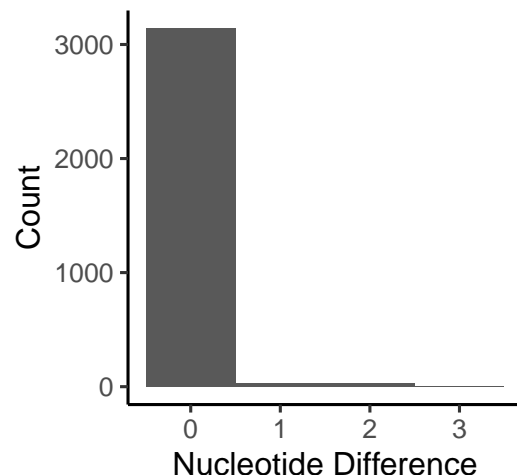
TRBV10-2*ap01

1772 sequences assigned
1744 (98.4%) exact matches, in which:
1707 unique CDR3
13 unique J



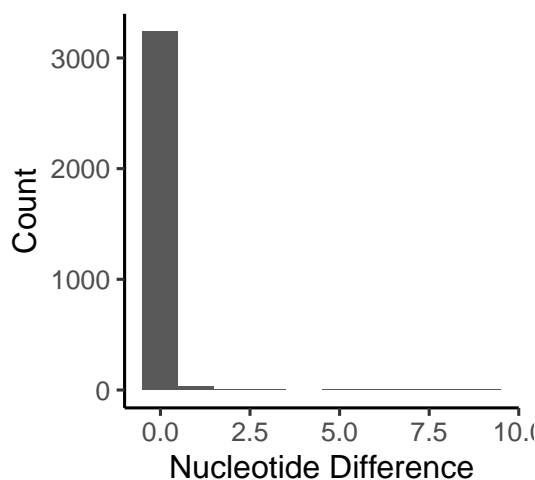
TRBV13*ap01

3201 sequences assigned
3141 (98.1%) exact matches, in which:
3066 unique CDR3
13 unique J



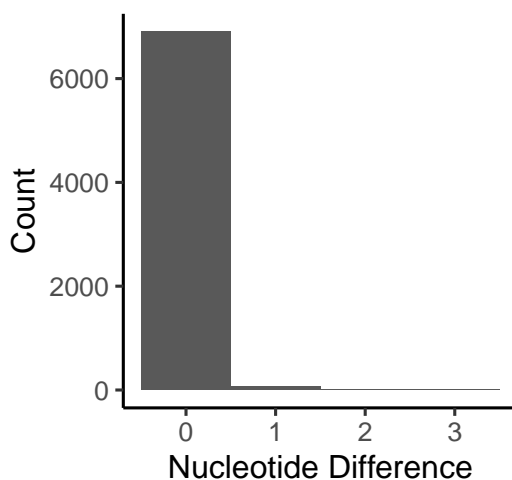
TRBV10-1*ap01

3274 sequences assigned
3237 (98.9%) exact matches, in which:
3164 unique CDR3
13 unique J



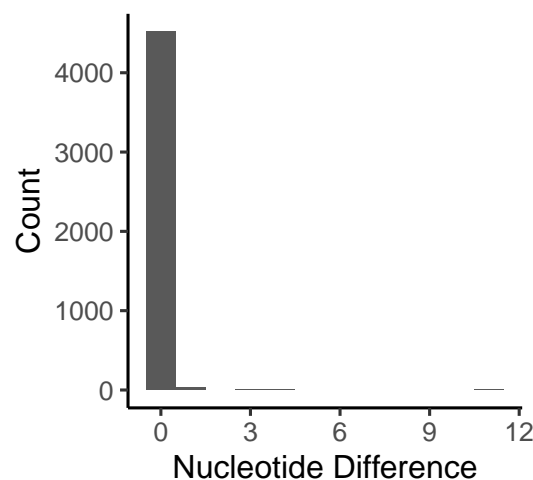
TRBV10-3*ap01

6977 sequences assigned
6903 (98.9%) exact matches, in which:
6763 unique CDR3
13 unique J



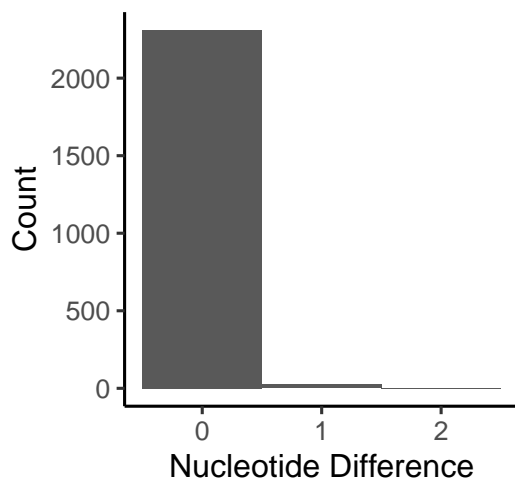
TRBV14*ap01

4552 sequences assigned
4517 (99.2%) exact matches, in which:
4461 unique CDR3
13 unique J



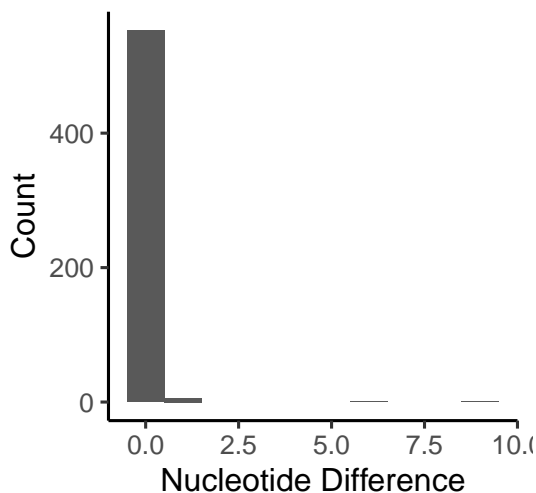
TRBV20-1*ap02

2335 sequences assigned
2310 (98.9%) exact matches, in which:
2276 unique CDR3
13 unique J



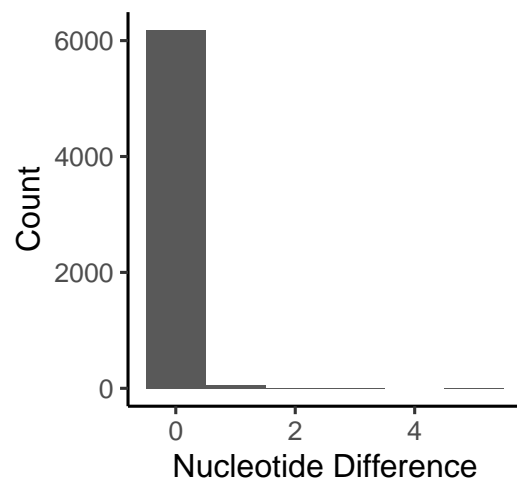
TRBV1*ap01

561 sequences assigned
553 (98.6%) exact matches, in which:
551 unique CDR3
13 unique J



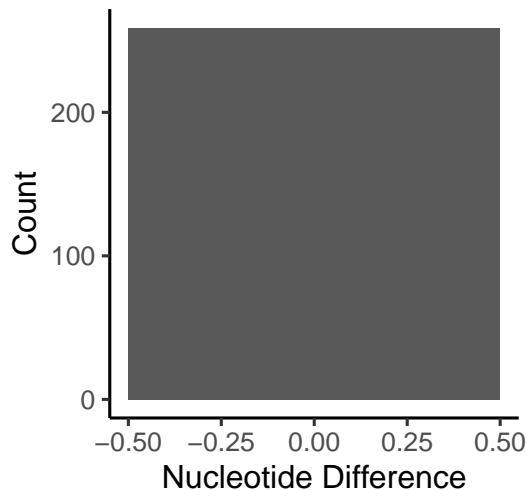
TRBV15*ap02

6244 sequences assigned
6182 (99%) exact matches, in which:
6044 unique CDR3
13 unique J



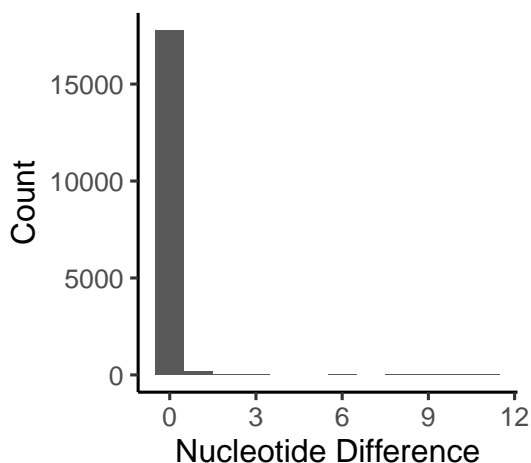
TRBV16*ap01

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



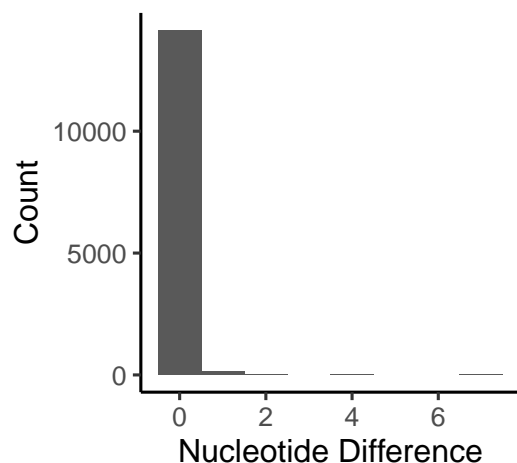
TRBV19*ap01

17952 sequences assigned
17781 (99%) exact matches, in which:
17618 unique CDR3
13 unique J



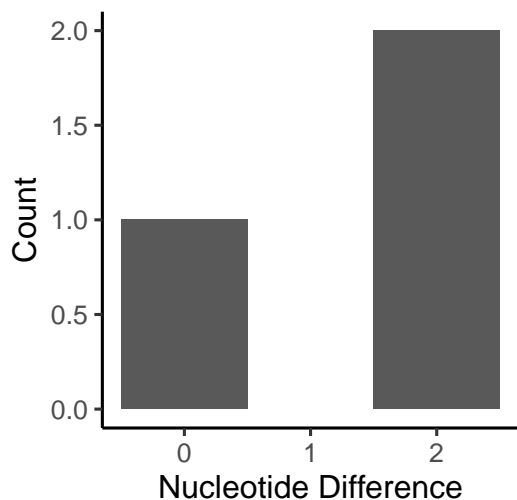
TRBV28*ap01

14305 sequences assigned
14146 (98.9%) exact matches, in which:
13867 unique CDR3
13 unique J



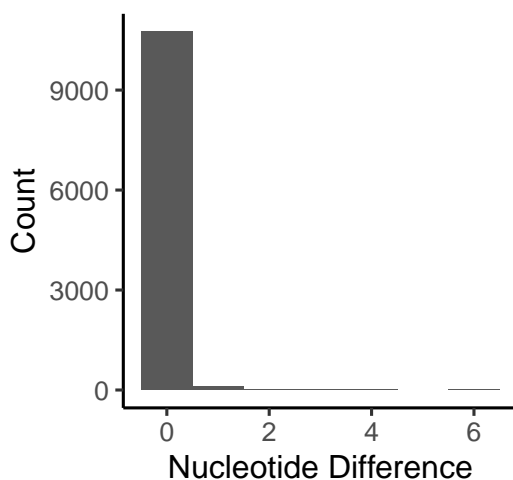
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



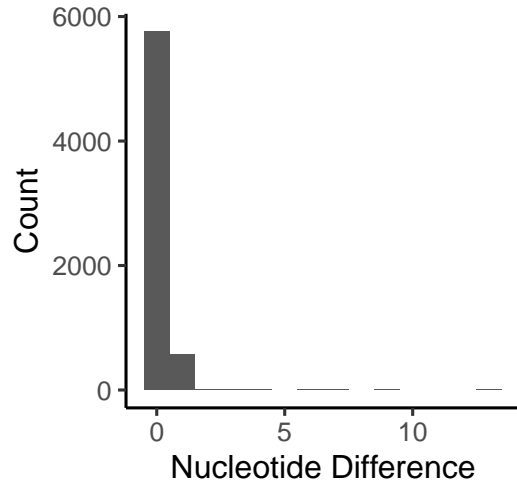
TRBV2*ap01

10879 sequences assigned
10751 (98.8%) exact matches, in which:
10568 unique CDR3
13 unique J



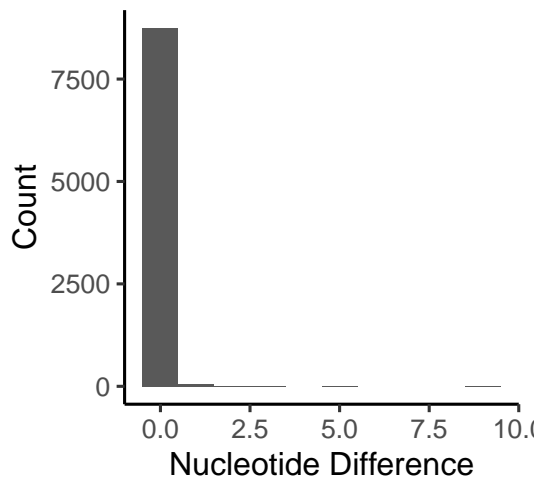
TRBV30*ap01

6356 sequences assigned
5756 (90.6%) exact matches, in which:
5662 unique CDR3
13 unique J



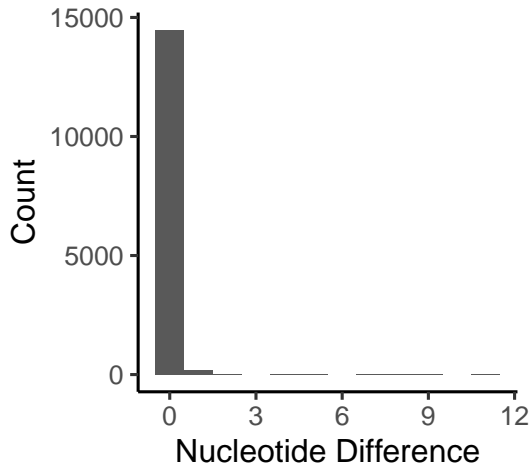
TRBV18*ap01

8805 sequences assigned
8745 (99.3%) exact matches, in which:
8656 unique CDR3
13 unique J



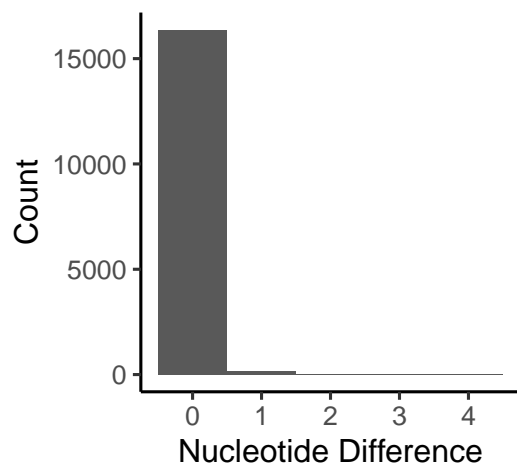
TRBV27*ap01

14663 sequences assigned
14482 (98.8%) exact matches, in which:
14149 unique CDR3
13 unique J



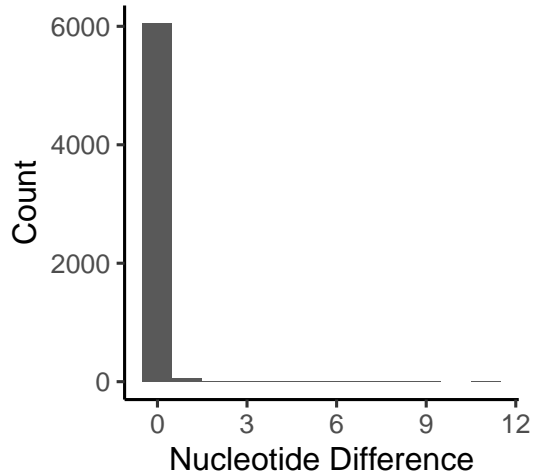
TRBV9*ap01

16557 sequences assigned
16369 (98.9%) exact matches, in which:
16111 unique CDR3
13 unique J



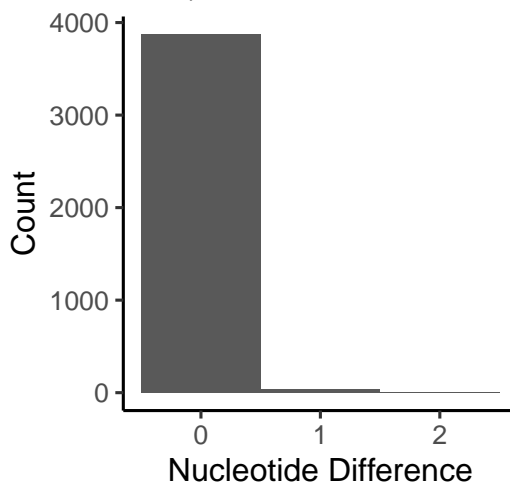
TRBV21-1*ap01

6140 sequences assigned
6049 (98.5%) exact matches, in which:
5971 unique CDR3
13 unique J



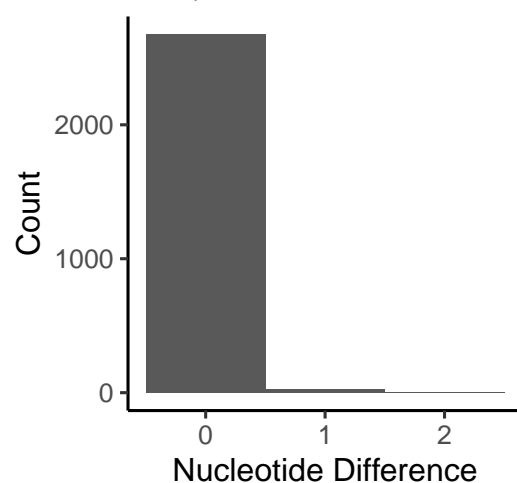
TRBV11-3*ap01

3908 sequences assigned
3872 (99.1%) exact matches, in which:
3806 unique CDR3
13 unique J



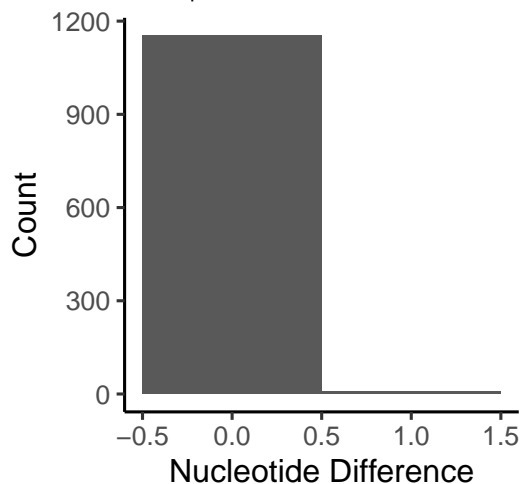
TRBV12-5*ap01

2702 sequences assigned
2675 (99%) exact matches, in which:
2635 unique CDR3
13 unique J



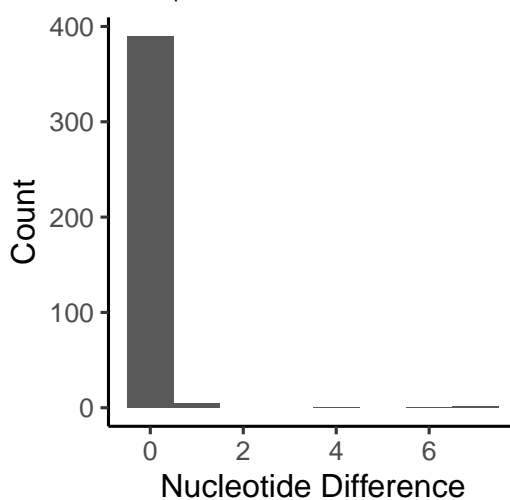
TRBV11-1*ap01

1162 sequences assigned
1153 (99.2%) exact matches, in which:
1125 unique CDR3
13 unique J



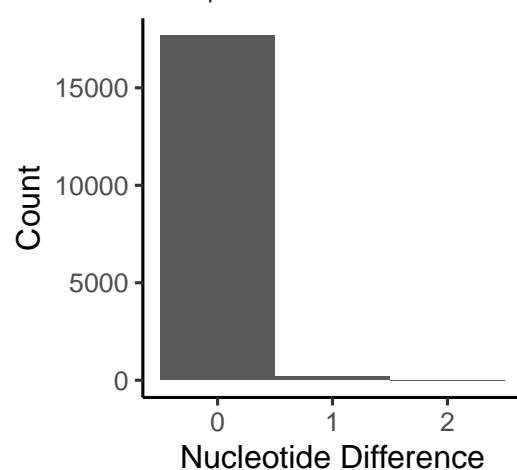
TRBV12-1*ap01

399 sequences assigned
390 (97.7%) exact matches, in which:
387 unique CDR3
13 unique J



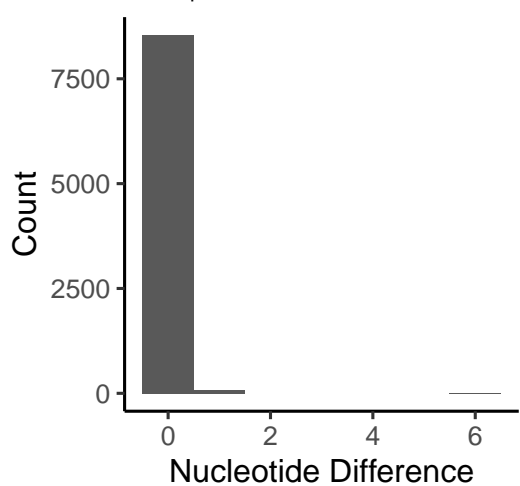
TRBV12-34*ap01

17878 sequences assigned
17685 (98.9%) exact matches, in which:
17391 unique CDR3
13 unique J



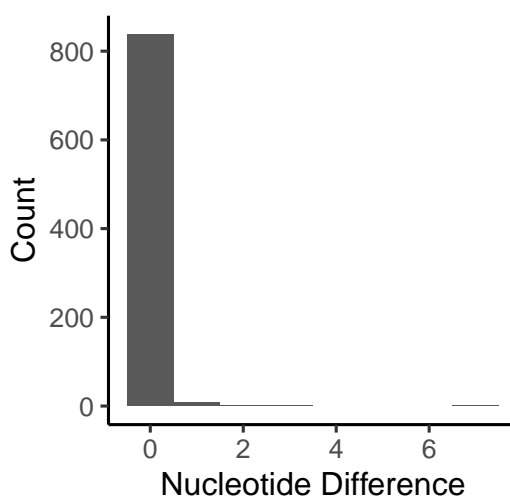
TRBV11-2*ap01

8622 sequences assigned
8543 (99.1%) exact matches, in which:
8376 unique CDR3
13 unique J



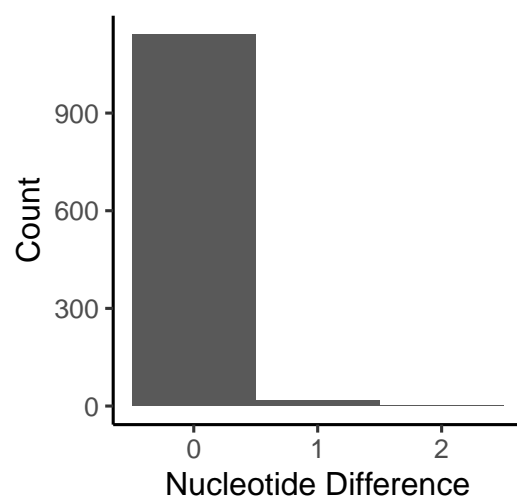
TRBV12-2*ap01

850 sequences assigned
838 (98.6%) exact matches, in which:
823 unique CDR3
13 unique J



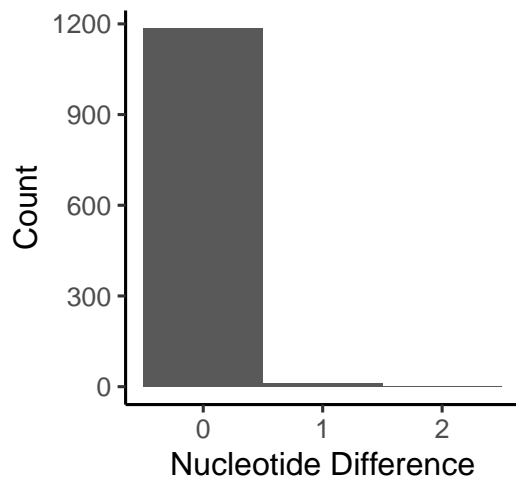
TRBV23-1*ap01

1160 sequences assigned
1142 (98.4%) exact matches, in which:
1126 unique CDR3
13 unique J



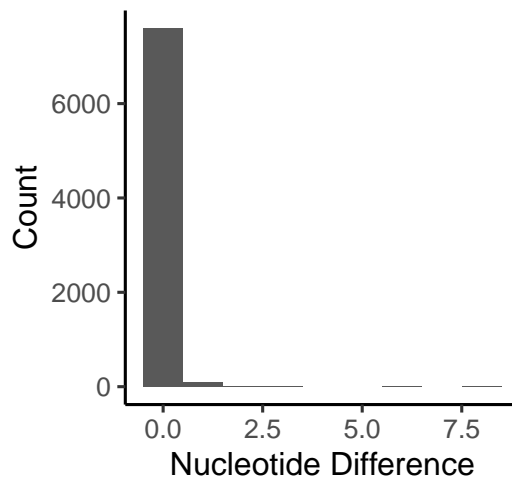
TRBV23-1*ap01_T304C

1199 sequences assigned
1185 (98.8%) exact matches, in which:
1165 unique CDR3
13 unique J



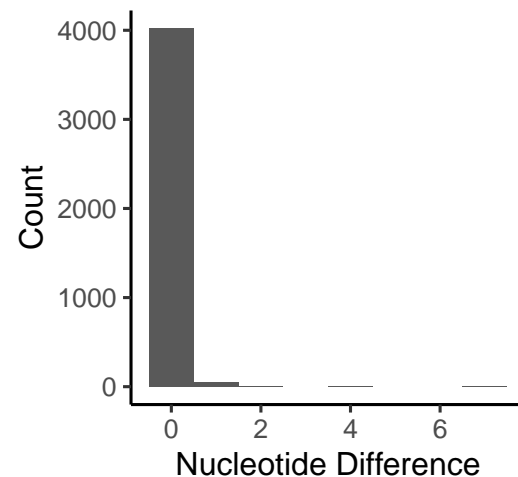
TRBV24-1*ap01

7693 sequences assigned
7594 (98.7%) exact matches, in which:
7485 unique CDR3
13 unique J



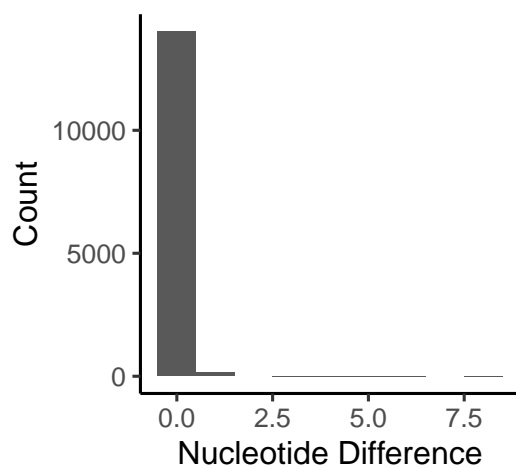
TRBV25-1*ap01

4075 sequences assigned
4021 (98.7%) exact matches, in which:
3951 unique CDR3
13 unique J



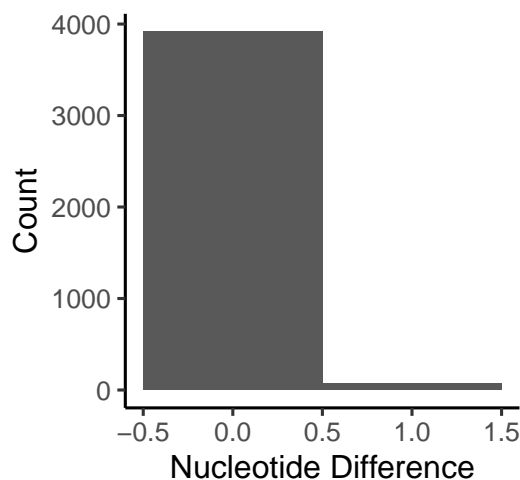
TRBV3-12*ap01

14189 sequences assigned
14018 (98.8%) exact matches, in which:
13749 unique CDR3
13 unique J



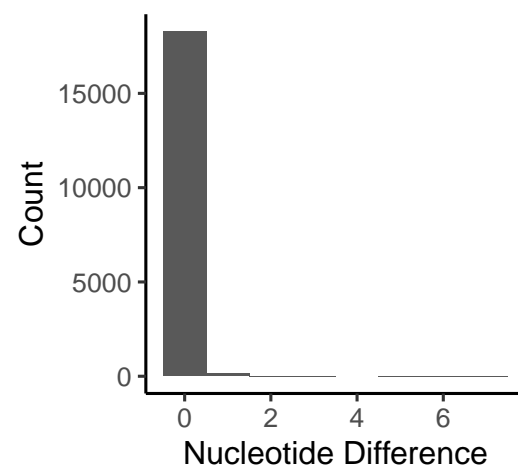
TRBV4-2*ap01

3986 sequences assigned
3916 (98.2%) exact matches, in which:
3828 unique CDR3
13 unique J



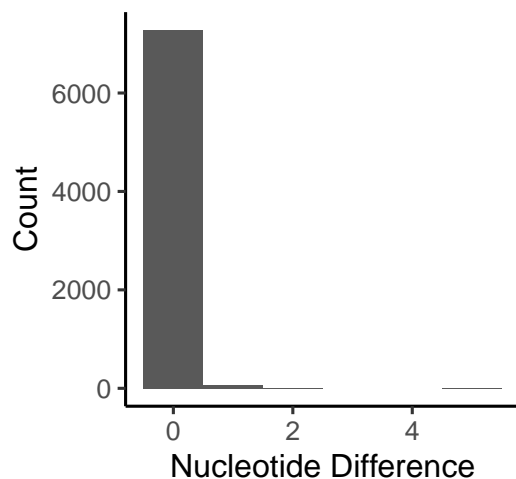
TRBV5-1*ap01

18449 sequences assigned
18283 (99.1%) exact matches, in which:
17881 unique CDR3
13 unique J



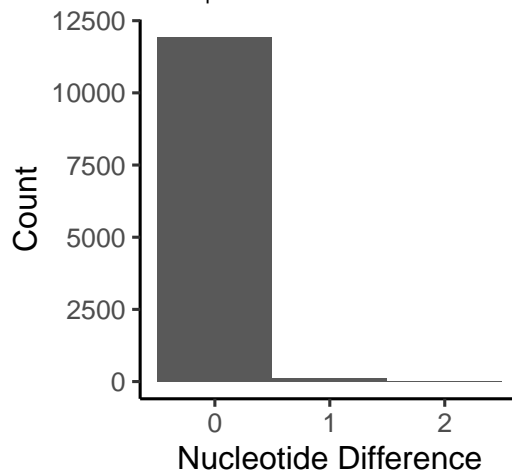
TRBV4-1*ap01

7349 sequences assigned
7279 (99%) exact matches, in which:
7152 unique CDR3
13 unique J



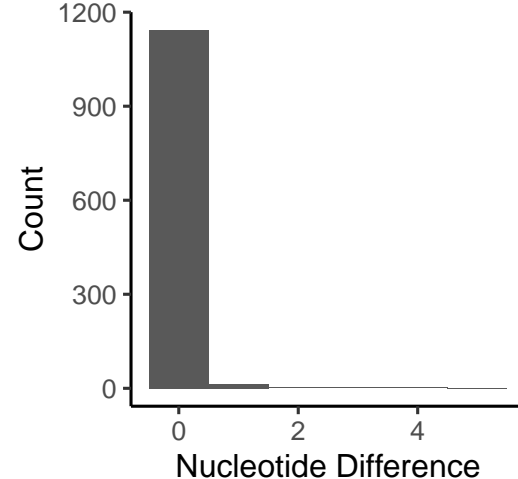
TRBV4-3*ap01

12057 sequences assigned
11942 (99%) exact matches, in which:
11712 unique CDR3
13 unique J



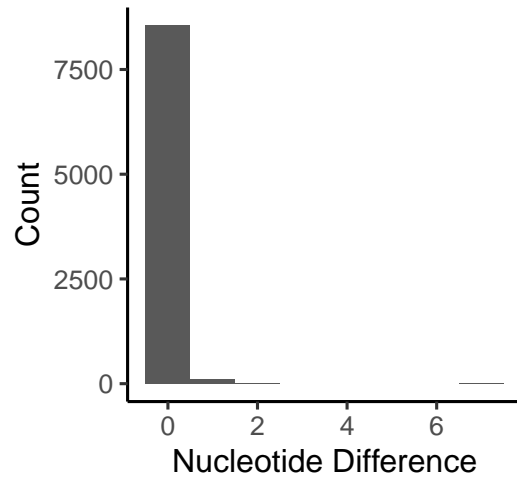
TRBV5-3*ap01

1166 sequences assigned
1143 (98%) exact matches, in which:
1121 unique CDR3
13 unique J



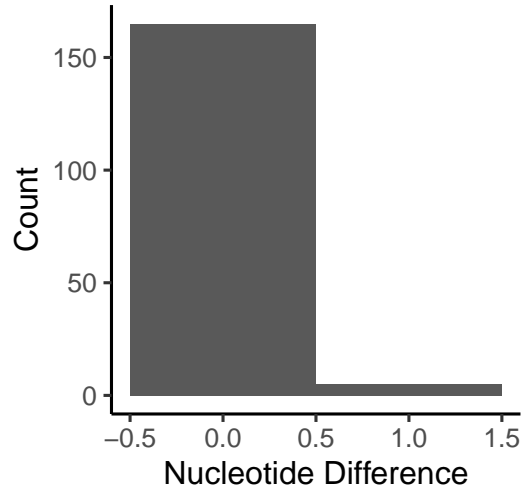
TRBV5-4*ap01

8667 sequences assigned
8552 (98.7%) exact matches, in which:
8372 unique CDR3
13 unique J



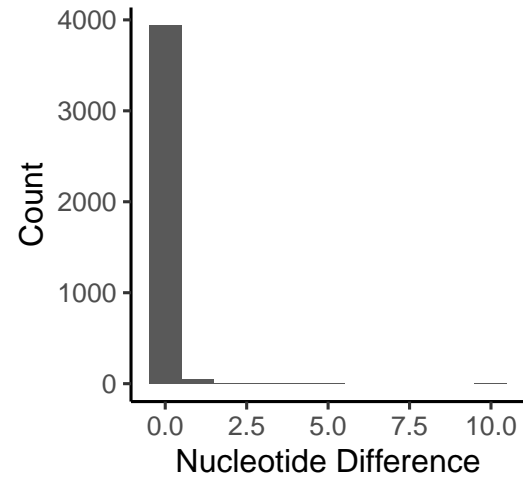
TRBV5-7*ap01

170 sequences assigned
165 (97.1%) exact matches, in which:
161 unique CDR3
13 unique J



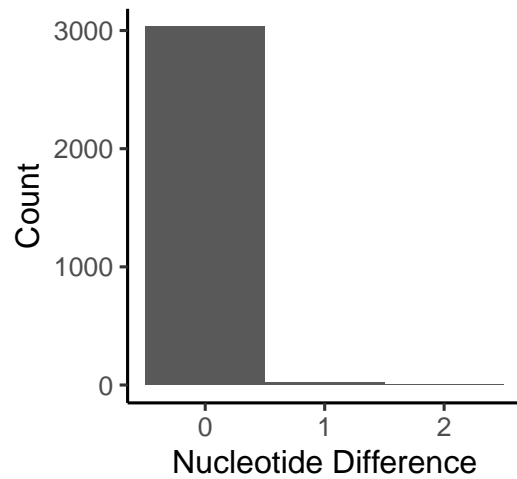
TRBV6-4*ap01

4003 sequences assigned
3939 (98.4%) exact matches, in which:
3880 unique CDR3
13 unique J



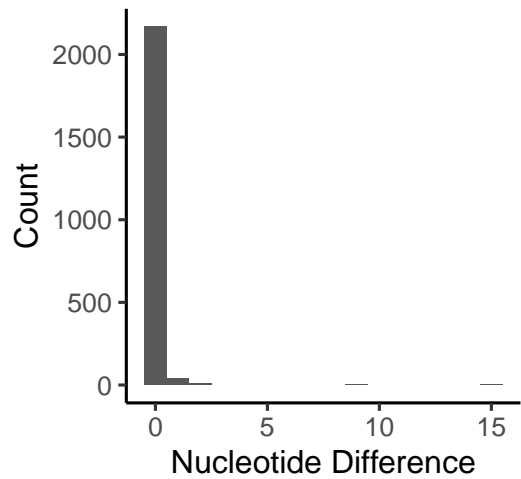
TRBV5-5*ap01

3057 sequences assigned
3032 (99.2%) exact matches, in which:
2995 unique CDR3
13 unique J



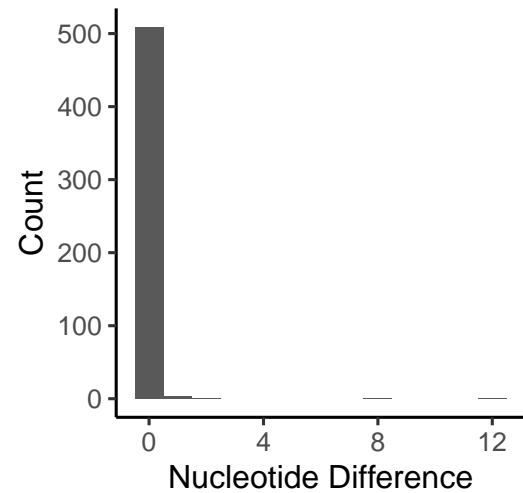
TRBV5-8*ap01

2218 sequences assigned
2168 (97.7%) exact matches, in which:
2141 unique CDR3
13 unique J



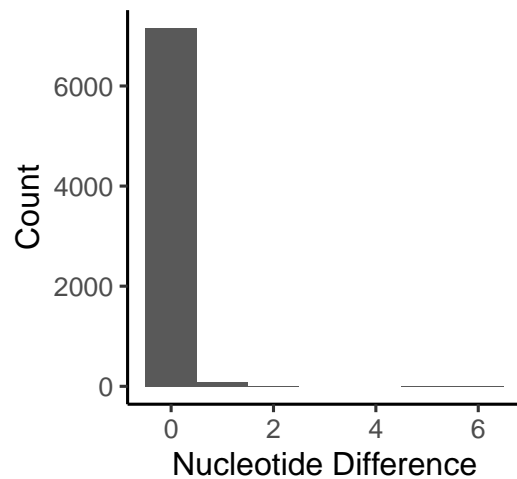
TRBV6-7*ap01

515 sequences assigned
509 (98.8%) exact matches, in which:
500 unique CDR3
13 unique J



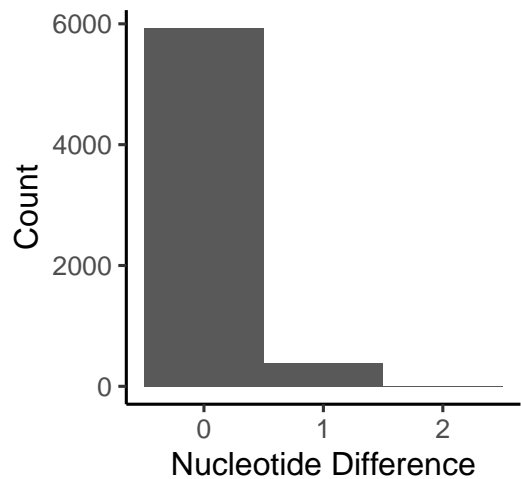
TRBV5-6*ap01

7253 sequences assigned
7157 (98.7%) exact matches, in which:
7014 unique CDR3
13 unique J



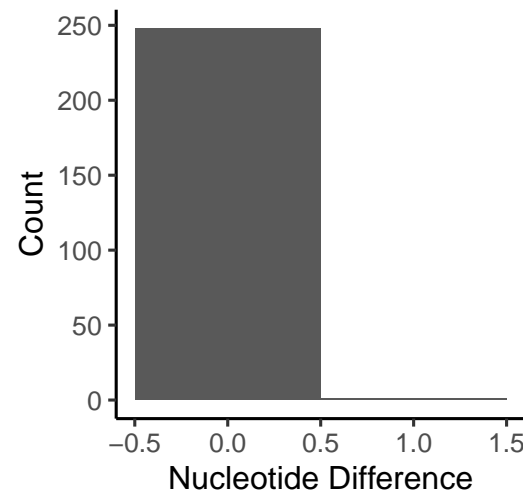
TRBV6-1*ap01

6325 sequences assigned
5930 (93.8%) exact matches, in which:
5802 unique CDR3
13 unique J



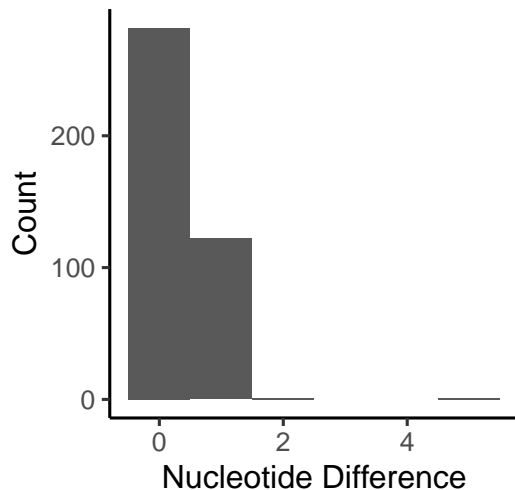
TRBV6-8*ap01

249 sequences assigned
248 (99.6%) exact matches, in which:
242 unique CDR3
13 unique J



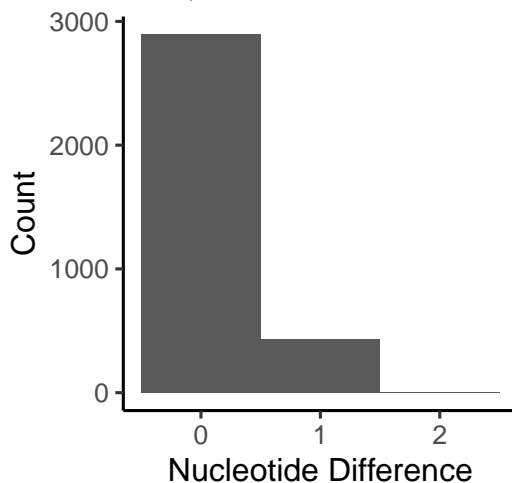
TRBV6-9*ap01

406 sequences assigned
282 (69.5%) exact matches, in which:
279 unique CDR3
13 unique J



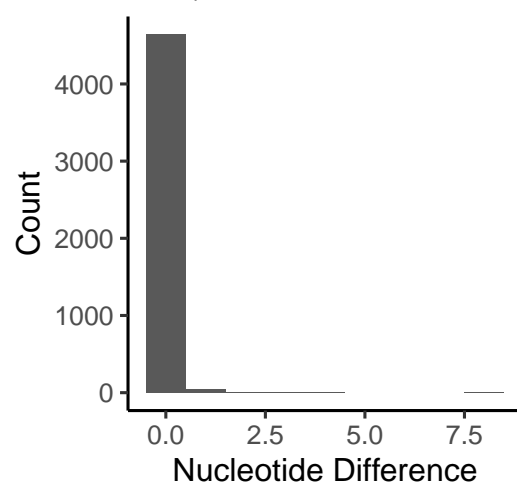
TRBV6-56*ap02

3330 sequences assigned
2895 (86.9%) exact matches, in which:
2831 unique CDR3
13 unique J



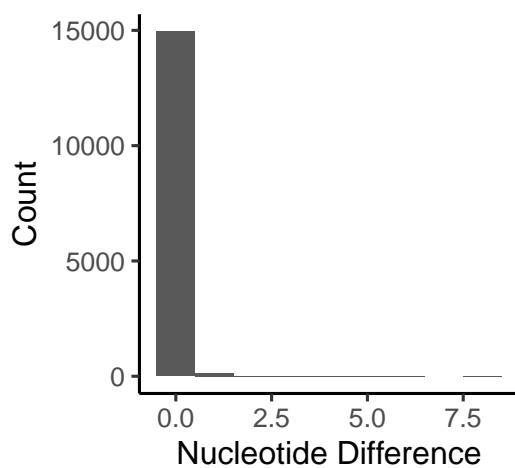
TRBV7-3*ap01

4686 sequences assigned
4642 (99.1%) exact matches, in which:
4572 unique CDR3
13 unique J



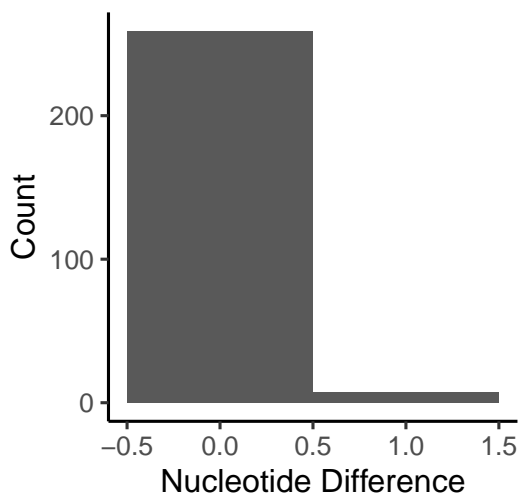
TRBV6-23*ap01

15127 sequences assigned
14952 (98.8%) exact matches, in which:
14661 unique CDR3
14 unique J



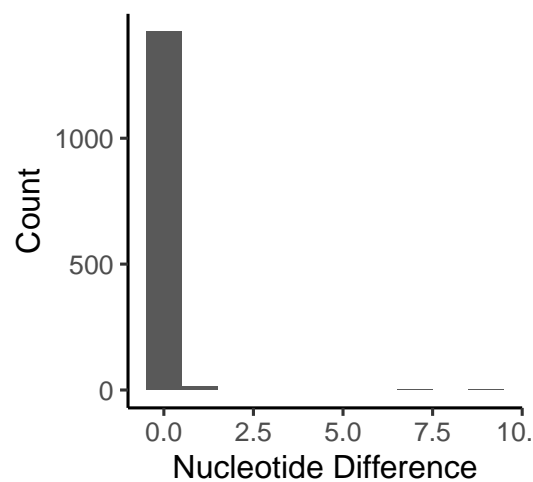
TRBV7-1*ap01_G291C_

266 sequences assigned
259 (97.4%) exact matches, in which:
256 unique CDR3
13 unique J



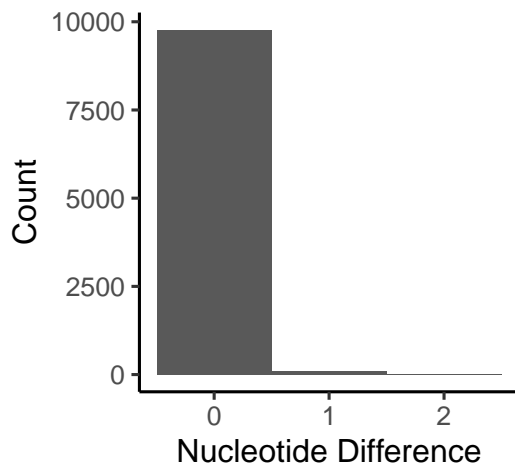
TRBV7-3*ap02

1439 sequences assigned
1423 (98.9%) exact matches, in which:
1404 unique CDR3
13 unique J



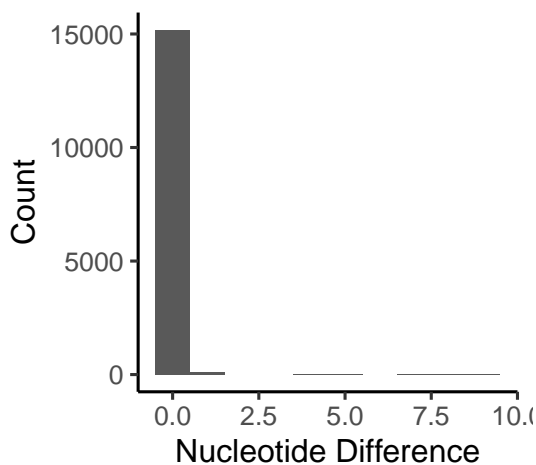
TRBV6-56*ap01

9876 sequences assigned
9773 (99%) exact matches, in which:
9567 unique CDR3
13 unique J



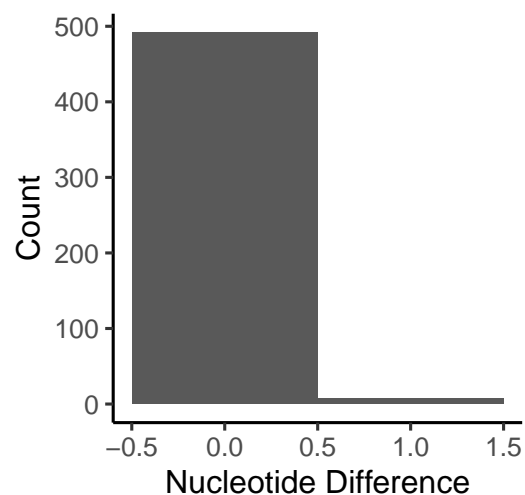
TRBV7-2*ap01

15307 sequences assigned
15185 (99.2%) exact matches, in which:
14965 unique CDR3
13 unique J



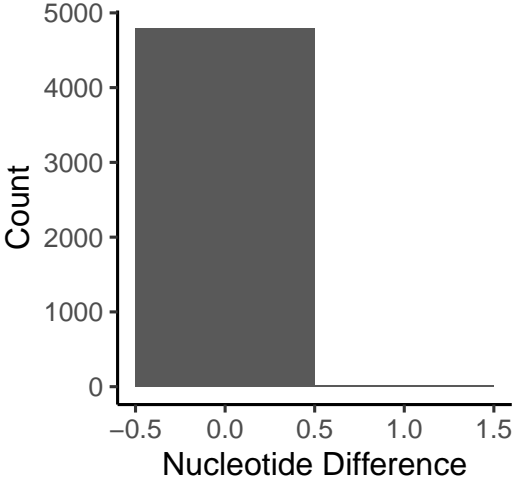
TRBV7-4*ap01

499 sequences assigned
492 (98.6%) exact matches, in which:
481 unique CDR3
13 unique J



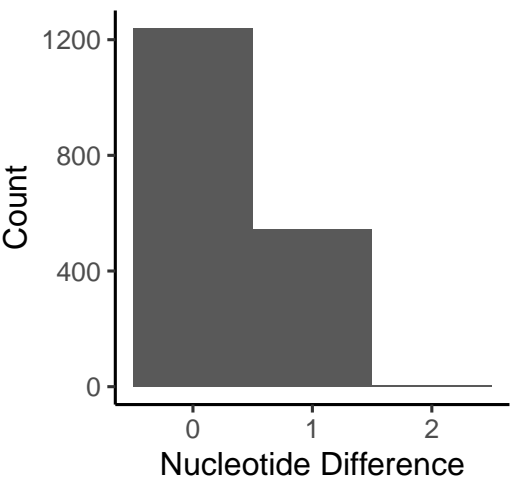
TRBV7-6*ap01

4817 sequences assigned
4792 (99.5%) exact matches, in which:
4695 unique CDR3
13 unique J



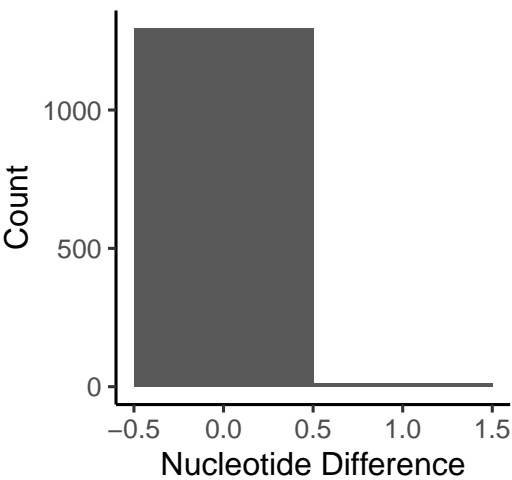
TRBV7-8*ap03

1789 sequences assigned
1239 (69.3%) exact matches, in which:
1207 unique CDR3
13 unique J



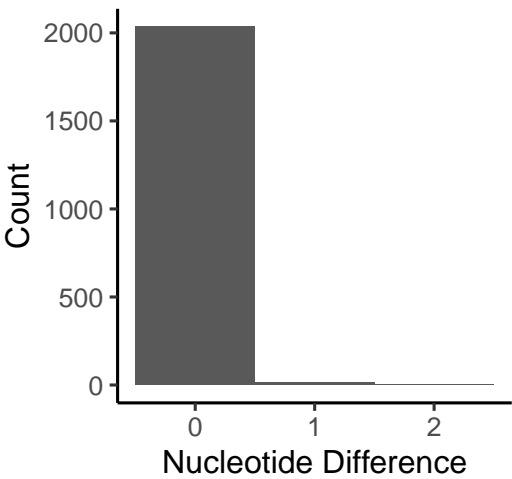
TRBV29-1*ap02

1308 sequences assigned
1295 (99%) exact matches, in which:
1266 unique CDR3
13 unique J



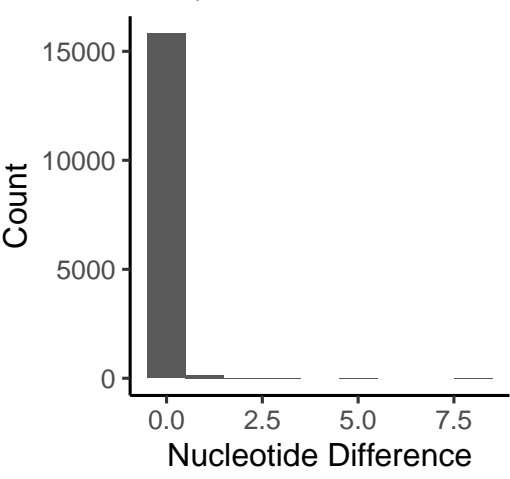
TRBV7-7*ap01_C315T

2052 sequences assigned
2035 (99.2%) exact matches, in which:
2010 unique CDR3
13 unique J



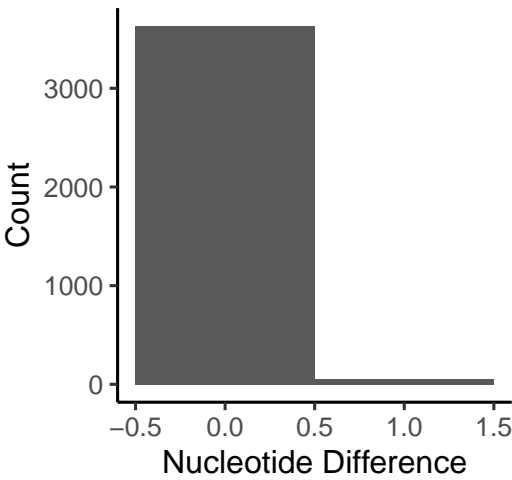
TRBV7-9*ap01

15976 sequences assigned
15820 (99%) exact matches, in which:
15603 unique CDR3
13 unique J



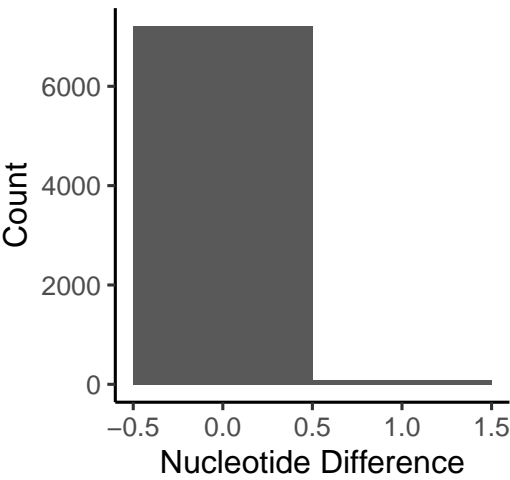
TRBV7-8*ap01

3686 sequences assigned
3631 (98.5%) exact matches, in which:
3542 unique CDR3
13 unique J

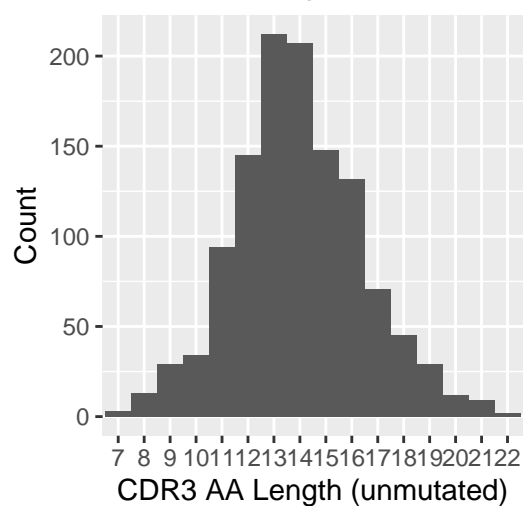


TRBV29-1*ap01

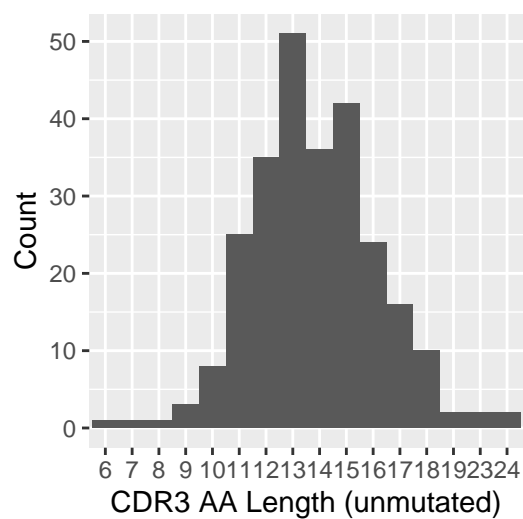
7295 sequences assigned
7213 (98.9%) exact matches, in which:
7067 unique CDR3
13 unique J



TRBV23-1*ap01_T304C



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

