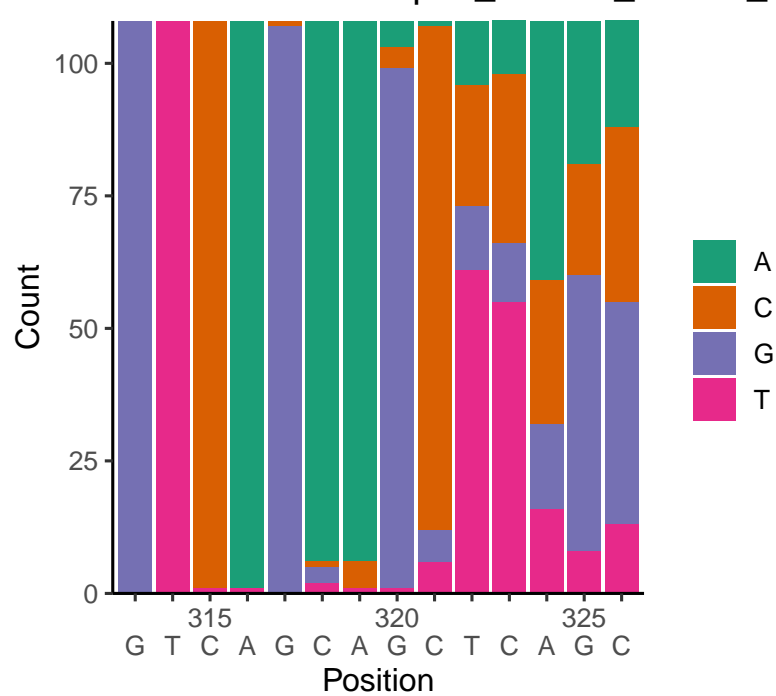
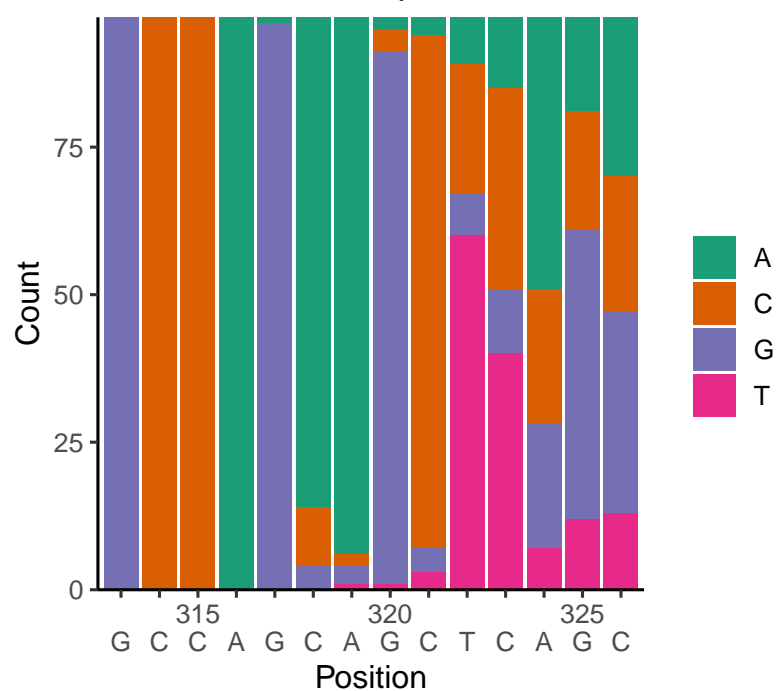


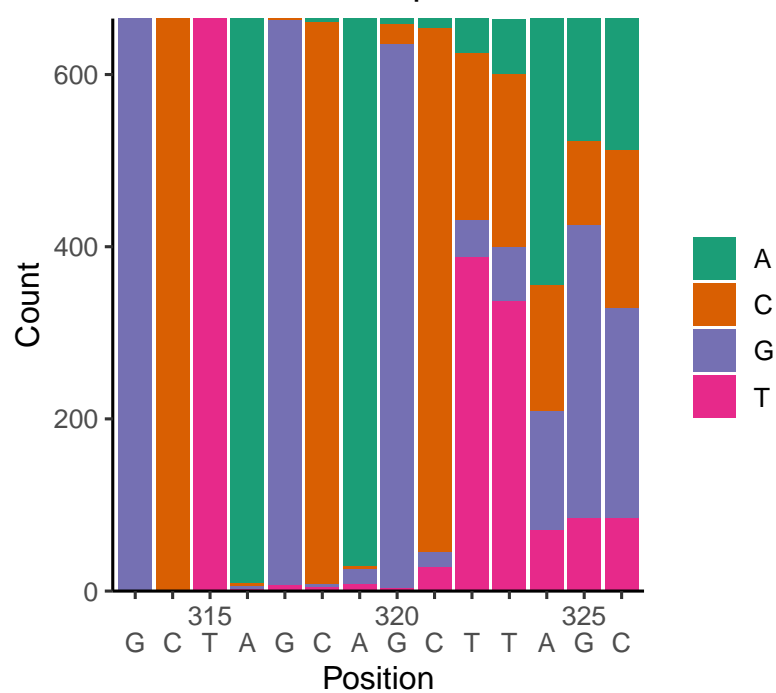
Gene TRBV7-1*ap01_G291C_T296C_C314T



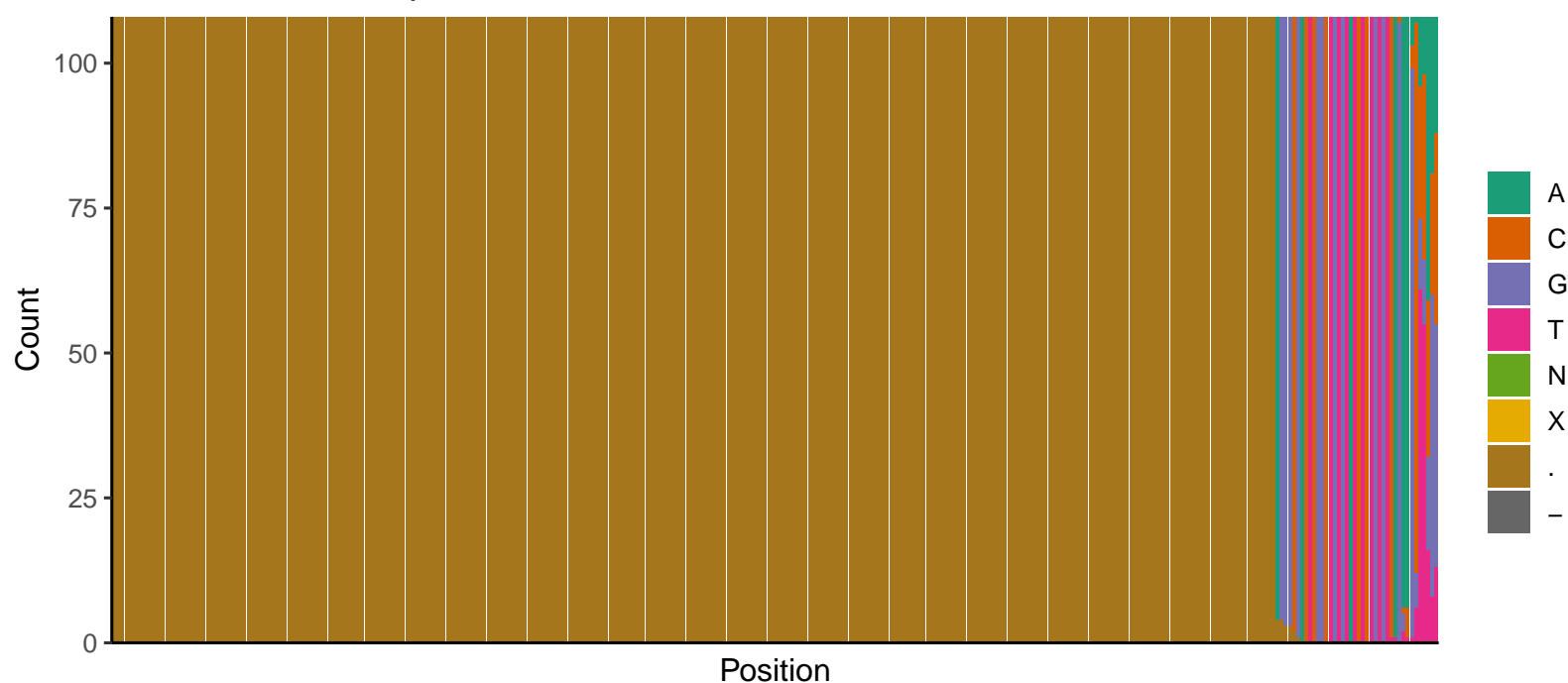
Gene TRBV7-1*ap01_G291C_T296C



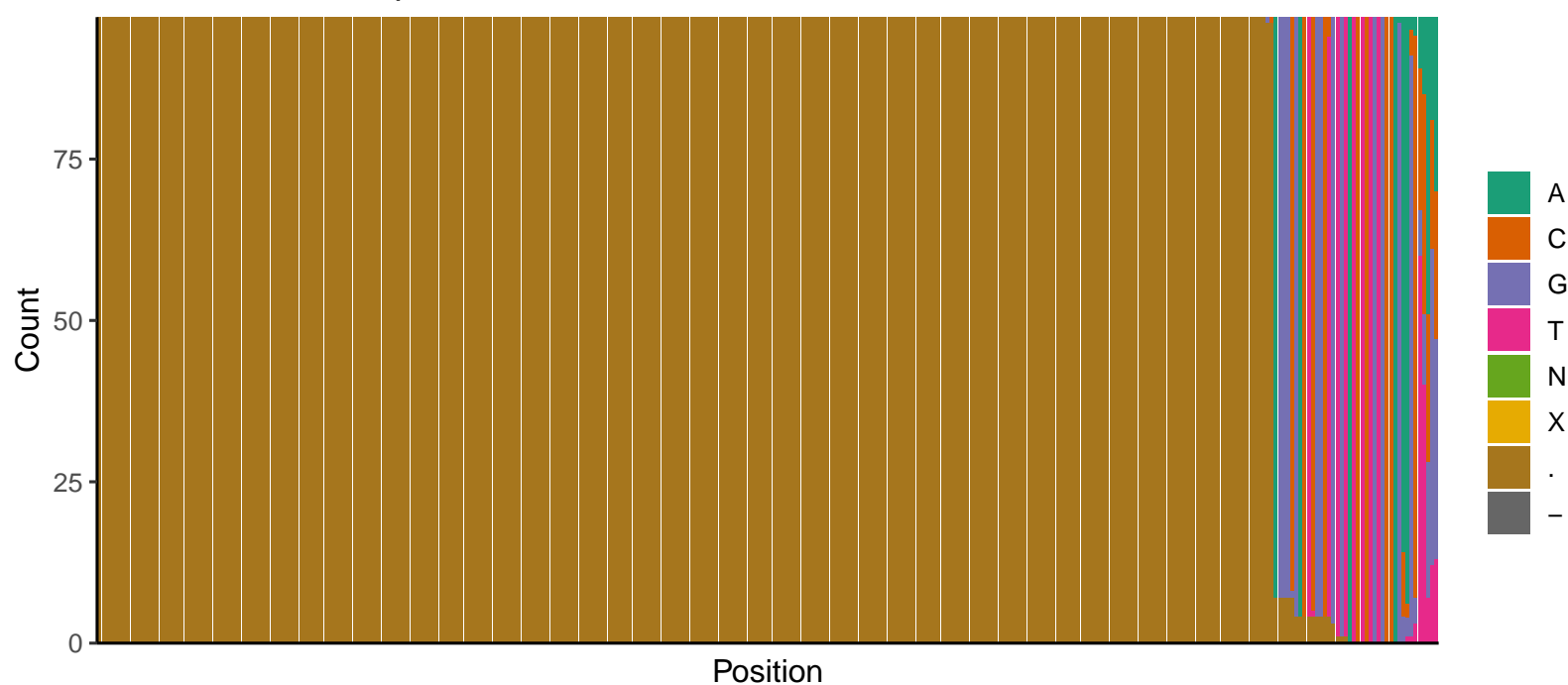
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



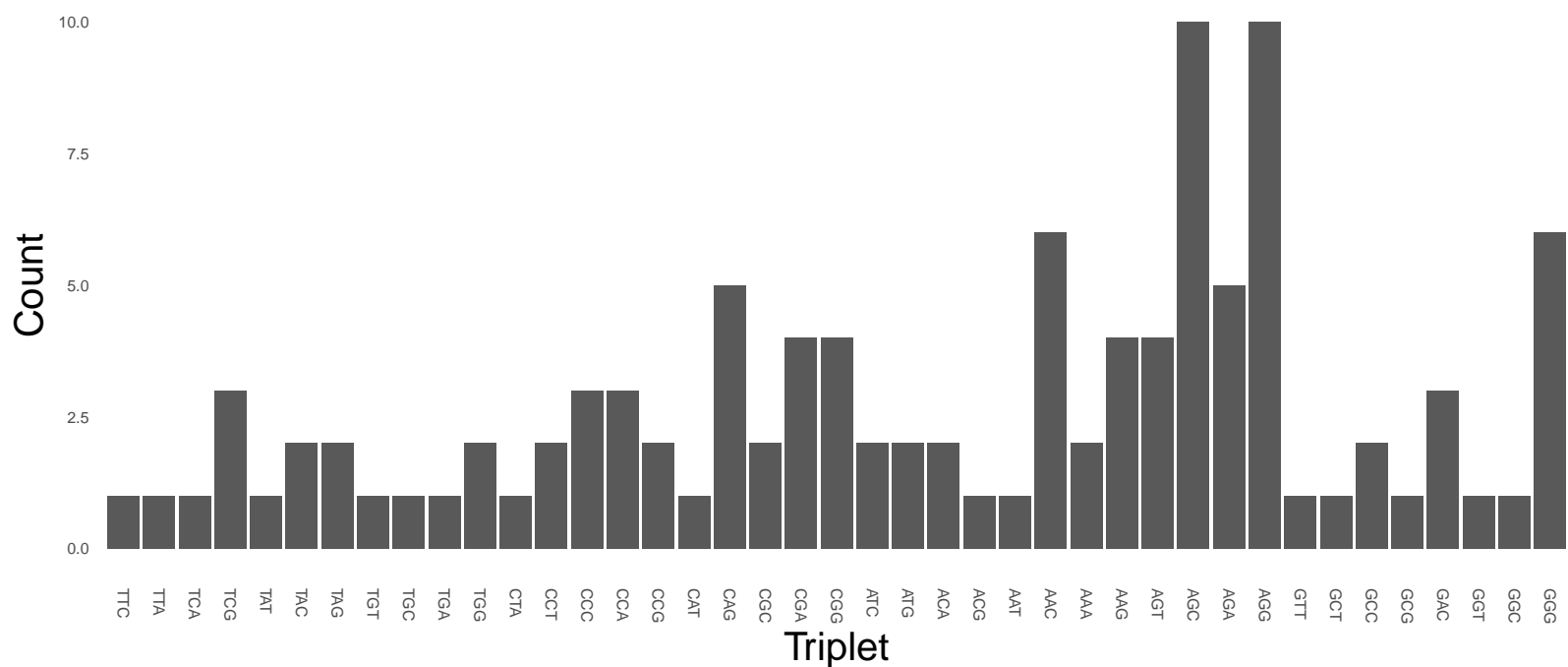
Gene TRBV7-1*ap01_G291C_T296C



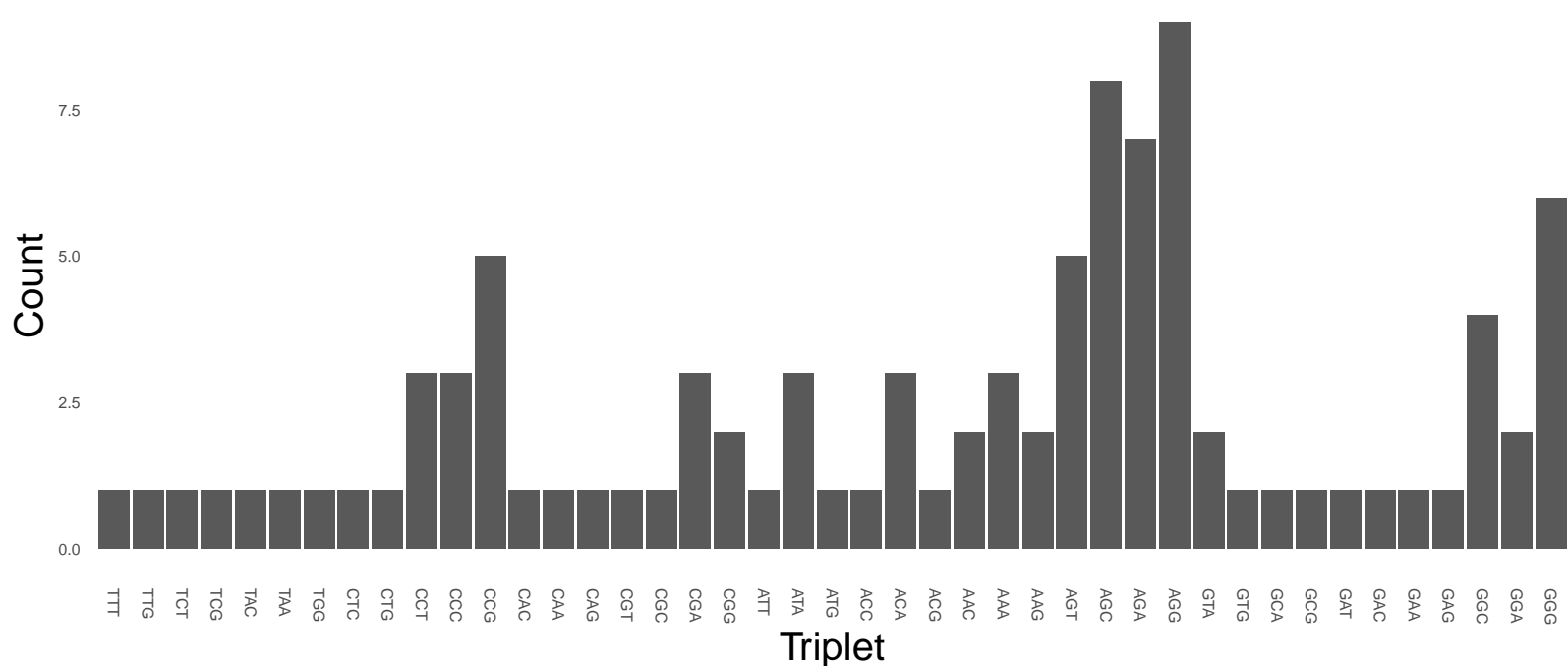
Gene TRBV7-7*ap01_C315T



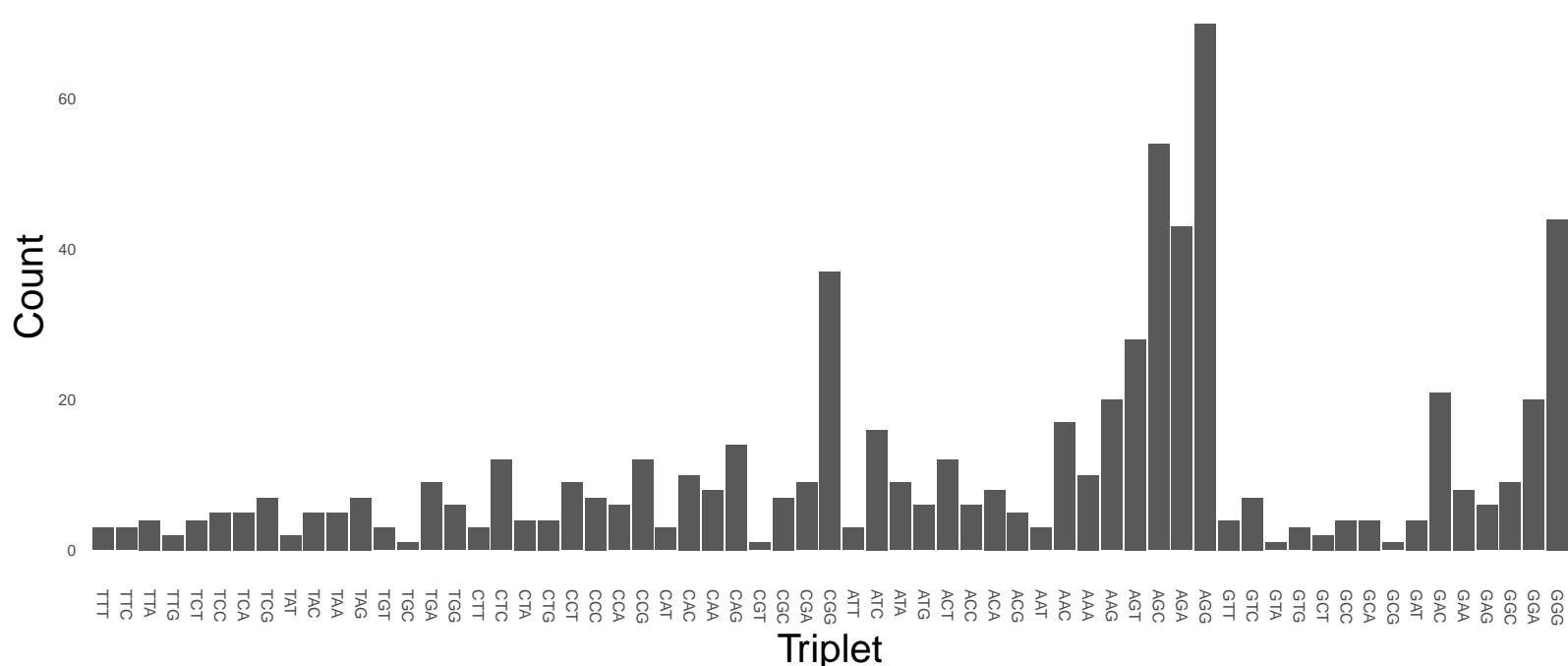
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

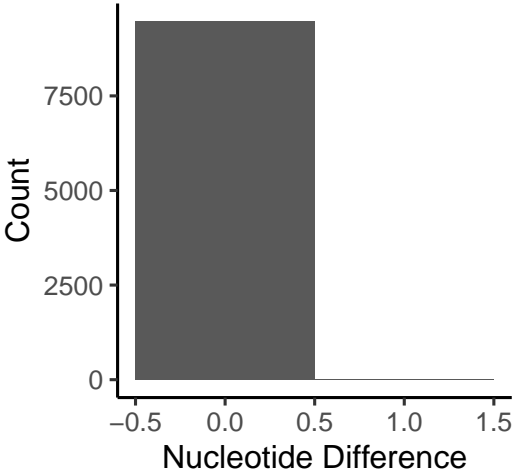


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



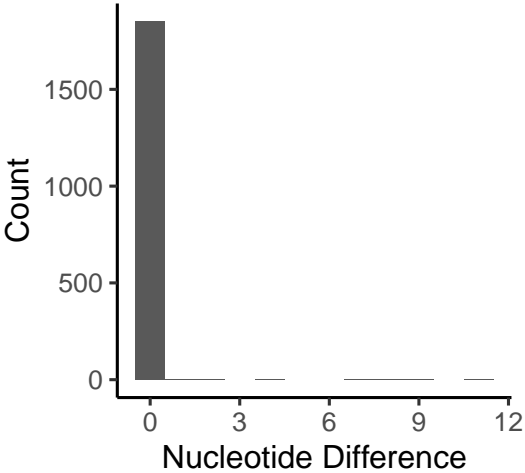
TRBV20-1*ap01

9487 sequences assigned
9468 (99.8%) exact matches, in which:
9453 unique CDR3
13 unique J



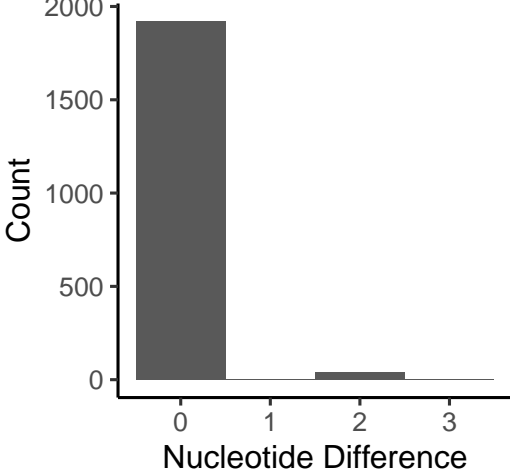
TRBV10-2*ap01

1858 sequences assigned
1851 (99.6%) exact matches, in which:
1848 unique CDR3
13 unique J



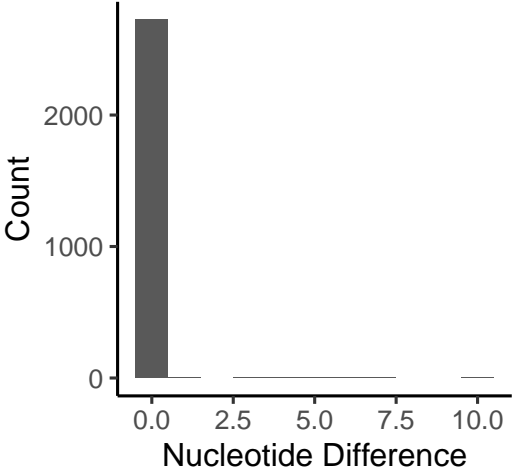
TRBV13*ap01

1963 sequences assigned
1920 (97.8%) exact matches, in which:
1918 unique CDR3
13 unique J



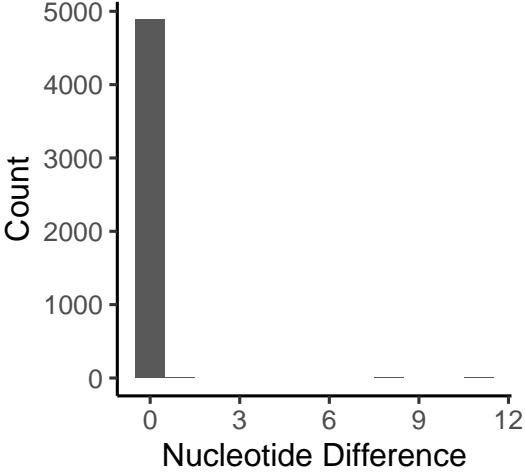
TRBV10-1*ap01

2742 sequences assigned
2725 (99.4%) exact matches, in which:
2723 unique CDR3
13 unique J



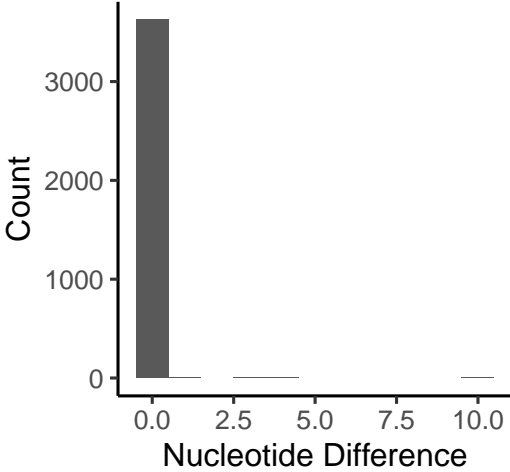
TRBV10-3*ap01

4895 sequences assigned
4885 (99.8%) exact matches, in which:
4879 unique CDR3
13 unique J



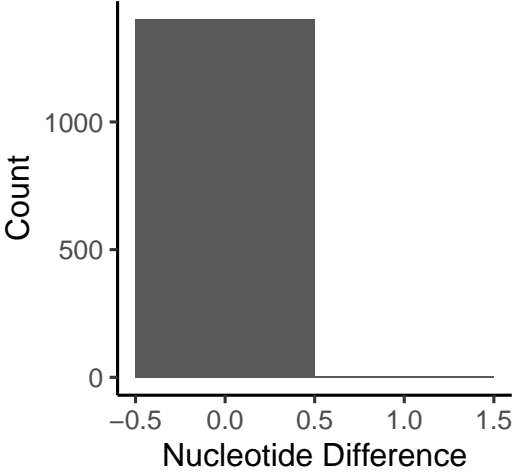
TRBV14*ap01

3631 sequences assigned
3626 (99.9%) exact matches, in which:
3625 unique CDR3
13 unique J



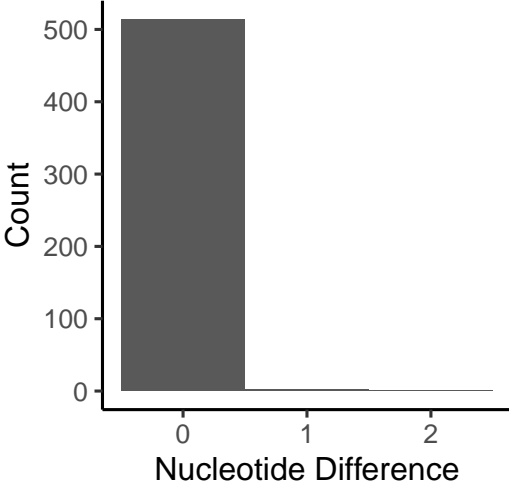
TRBV20-1*ap02

1407 sequences assigned
1403 (99.7%) exact matches, in which:
1403 unique CDR3
13 unique J



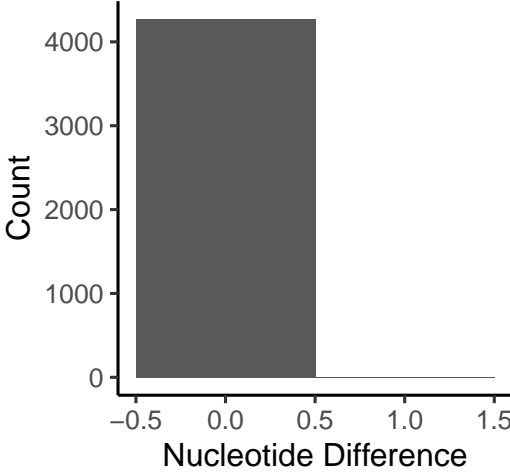
TRBV1*ap01

517 sequences assigned
514 (99.4%) exact matches, in which:
514 unique CDR3
13 unique J



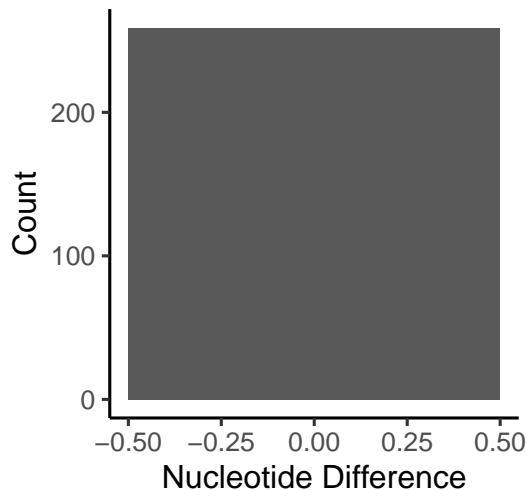
TRBV15*ap02

4278 sequences assigned
4272 (99.9%) exact matches, in which:
4261 unique CDR3
13 unique J



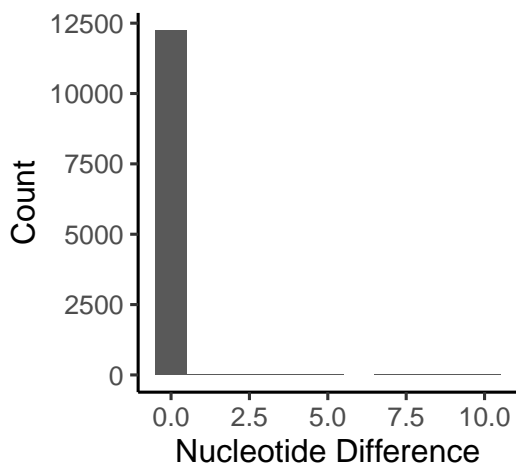
TRBV16*ap01

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



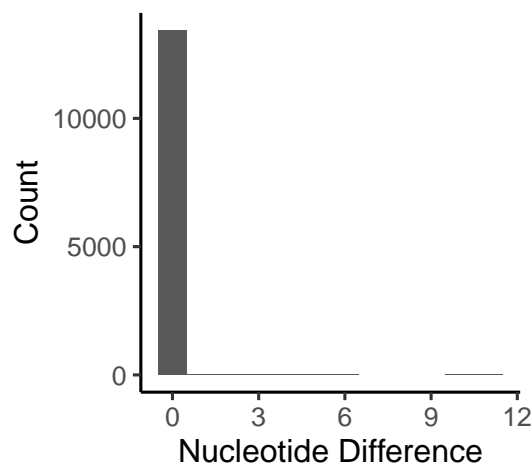
TRBV19*ap01

12300 sequences assigned
12252 (99.6%) exact matches, in which:
12249 unique CDR3
13 unique J



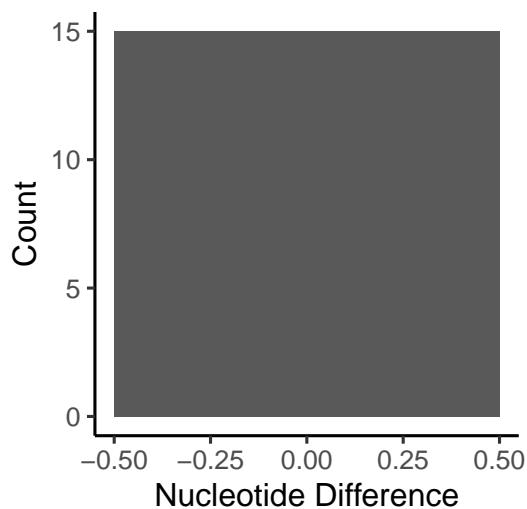
TRBV27*ap01

13485 sequences assigned
13439 (99.7%) exact matches, in which:
13392 unique CDR3
13 unique J



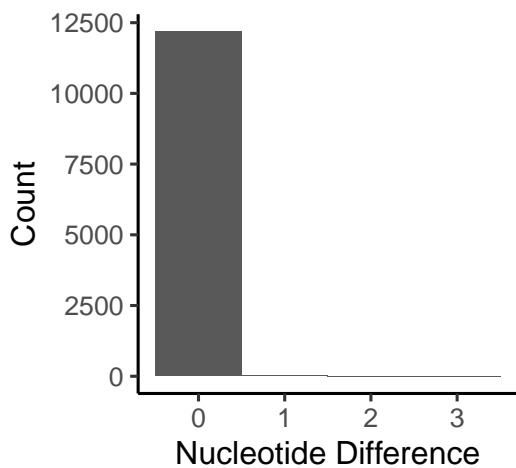
TRBV17*ap01

15 sequences assigned
15 (100%) exact matches, in which:
15 unique CDR3
8 unique J



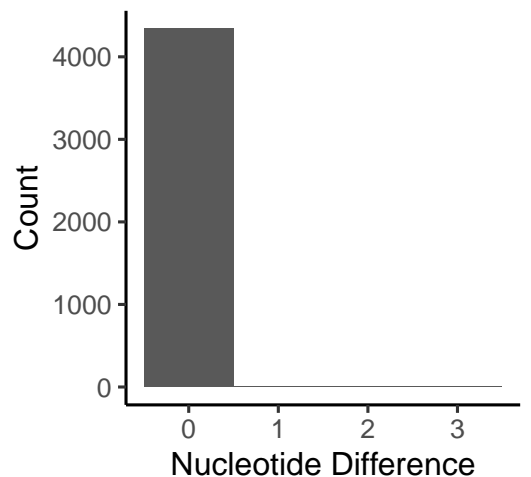
TRBV2*ap01

12223 sequences assigned
12189 (99.7%) exact matches, in which:
12159 unique CDR3
13 unique J



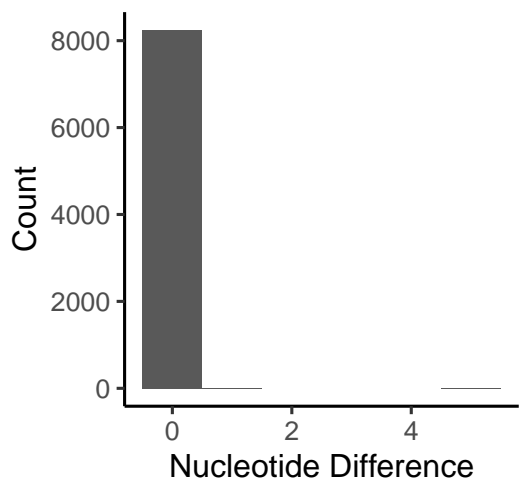
TRBV28*ap01

4346 sequences assigned
4340 (99.9%) exact matches, in which:
4337 unique CDR3
13 unique J



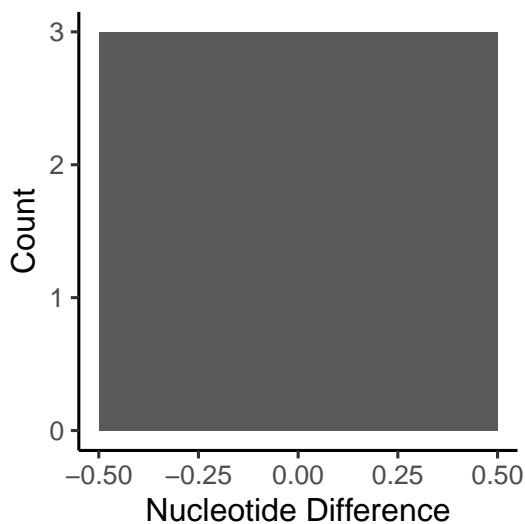
TRBV18*ap01

8251 sequences assigned
8244 (99.9%) exact matches, in which:
8244 unique CDR3
14 unique J



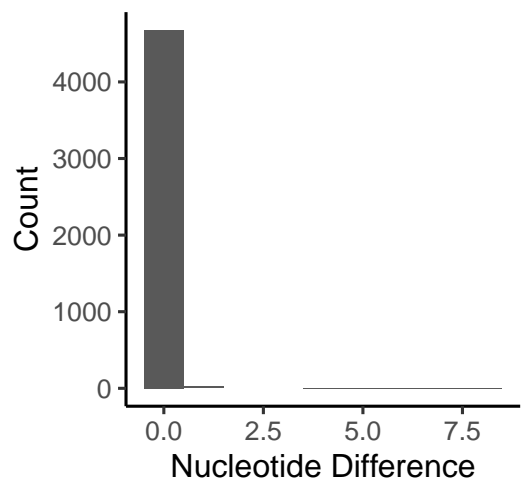
TRBV26*ap01

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



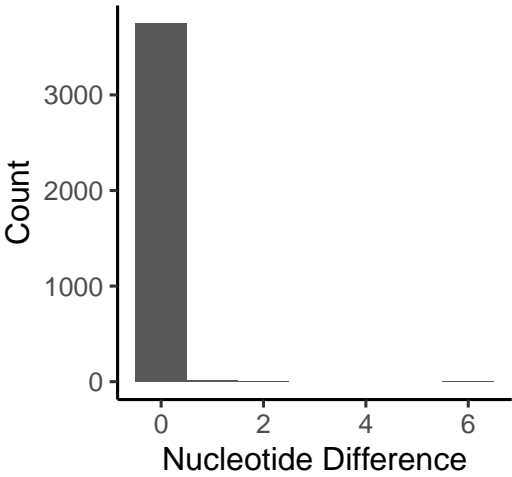
TRBV30*ap01

4708 sequences assigned
4677 (99.3%) exact matches, in which:
4662 unique CDR3
13 unique J



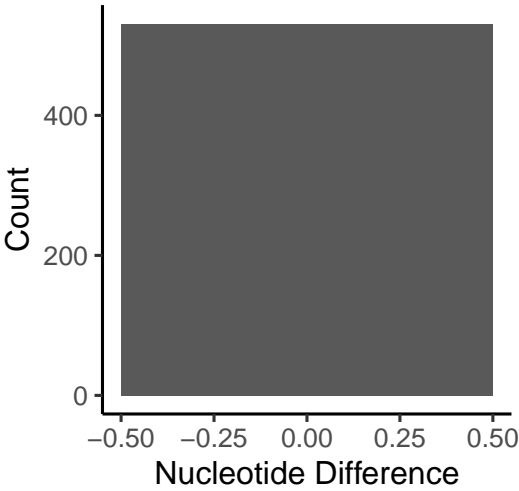
TRBV30*ap02

3766 sequences assigned
3748 (99.5%) exact matches, in which:
3743 unique CDR3
13 unique J



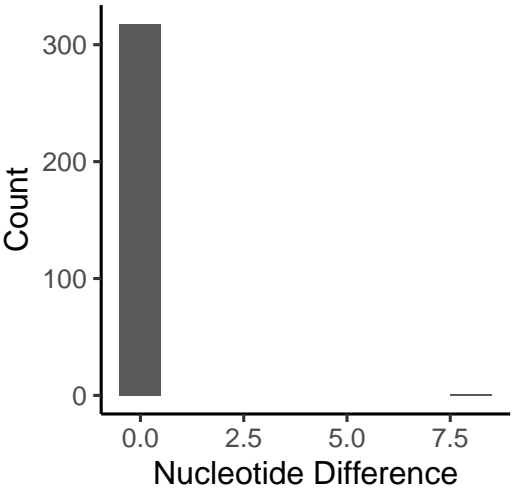
TRBV11-1*ap01

531 sequences assigned
531 (100%) exact matches, in which:
531 unique CDR3
13 unique J



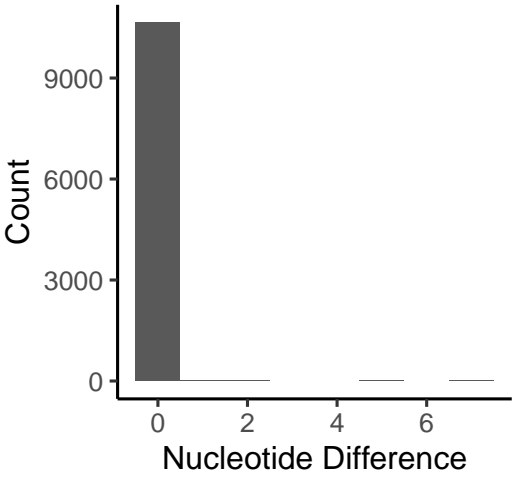
TRBV12-1*ap01

319 sequences assigned
318 (99.7%) exact matches, in which:
318 unique CDR3
13 unique J



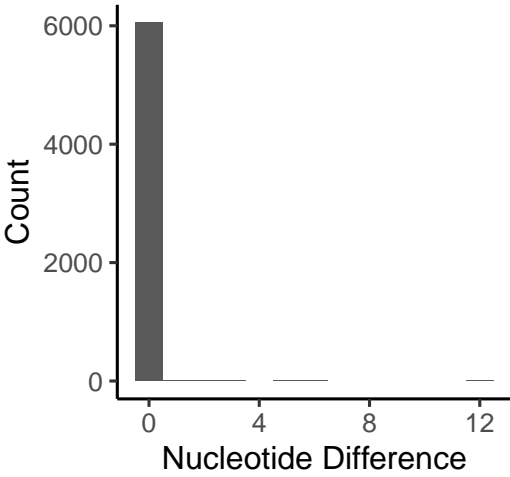
TRBV9*ap01

10661 sequences assigned
10643 (99.8%) exact matches, in which:
10631 unique CDR3
13 unique J



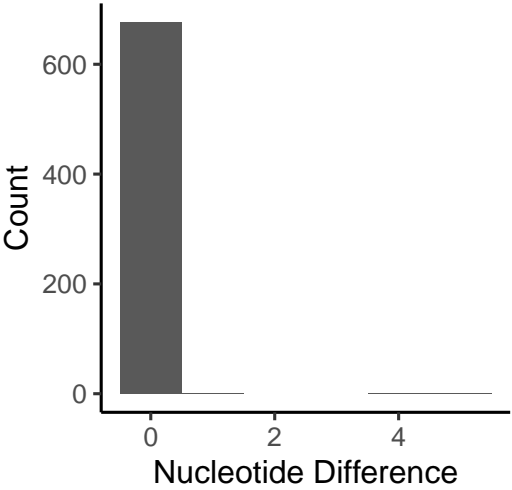
TRBV11-2*ap01

6069 sequences assigned
6052 (99.7%) exact matches, in which:
6052 unique CDR3
13 unique J



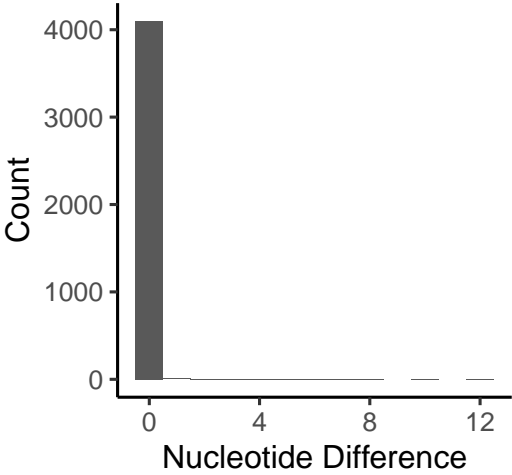
TRBV12-2*ap01

680 sequences assigned
677 (99.6%) exact matches, in which:
676 unique CDR3
13 unique J



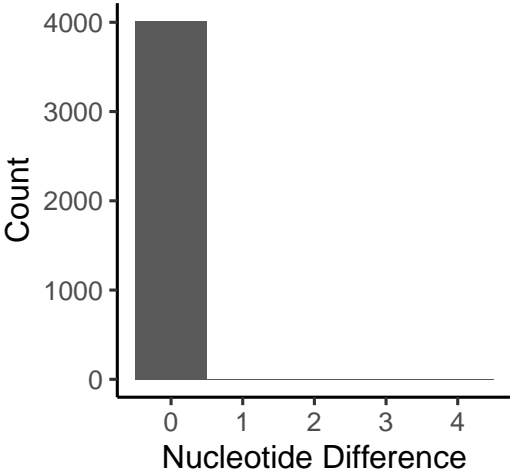
TRBV21-1*ap01

4131 sequences assigned
4099 (99.2%) exact matches, in which:
4099 unique CDR3
13 unique J



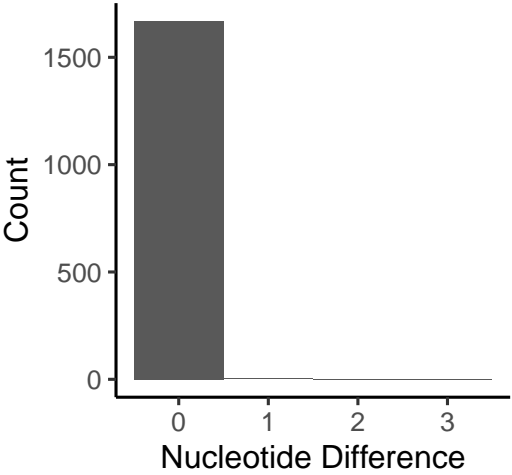
TRBV11-3*ap01

4024 sequences assigned
4014 (99.8%) exact matches, in which:
4011 unique CDR3
13 unique J



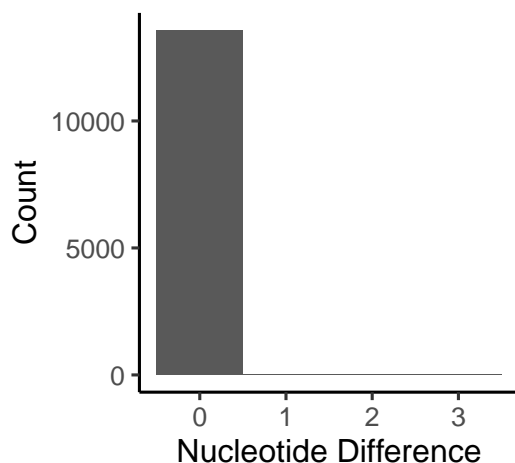
TRBV12-5*ap01

1675 sequences assigned
1669 (99.6%) exact matches, in which:
1669 unique CDR3
13 unique J



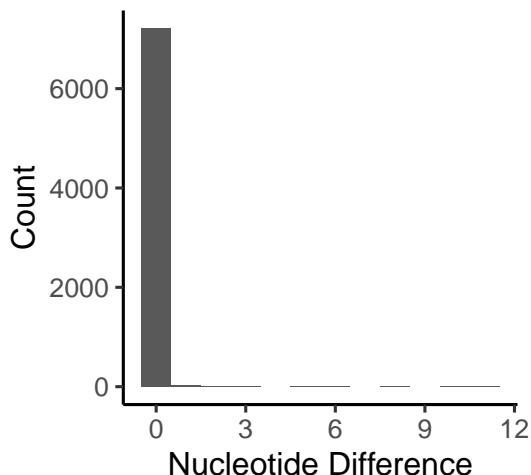
TRBV12–34*ap01

13601 sequences assigned
13575 (99.8%) exact matches, in which:
13563 unique CDR3
13 unique J



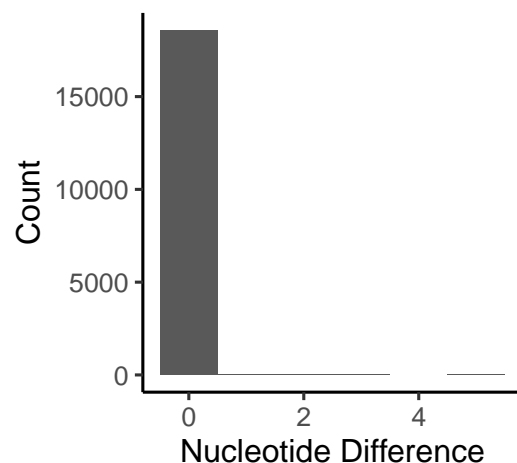
TRBV24–1*ap01

7256 sequences assigned
7212 (99.4%) exact matches, in which:
7198 unique CDR3
13 unique J



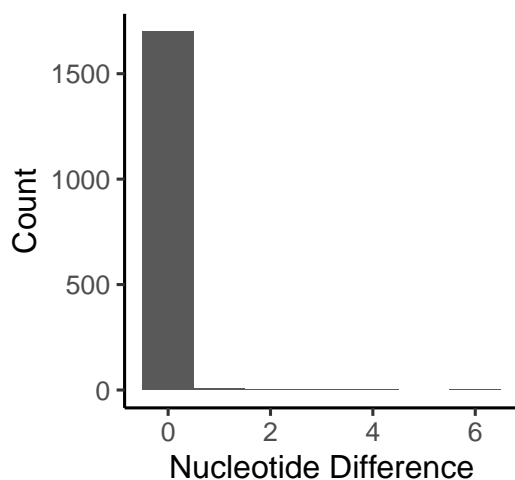
TRBV5–1*ap01

18630 sequences assigned
18582 (99.7%) exact matches, in which:
18539 unique CDR3
13 unique J



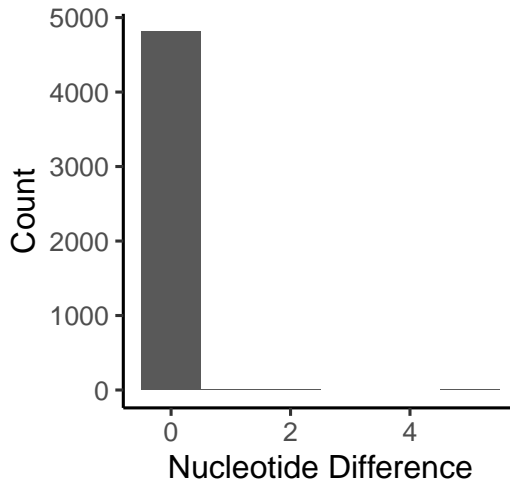
TRBV23–1*ap01

1714 sequences assigned
1699 (99.1%) exact matches, in which:
1699 unique CDR3
13 unique J



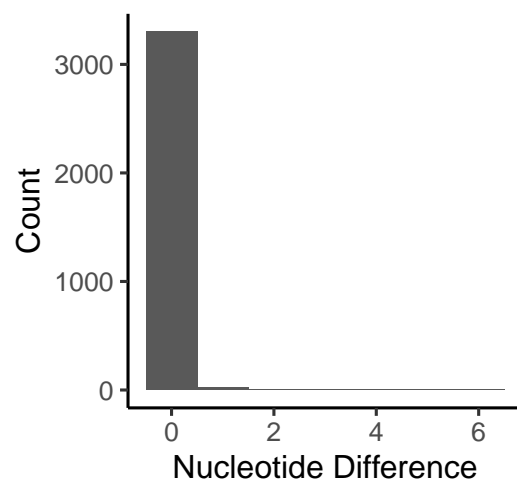
TRBV4–1*ap01

4822 sequences assigned
4810 (99.8%) exact matches, in which:
4805 unique CDR3
13 unique J



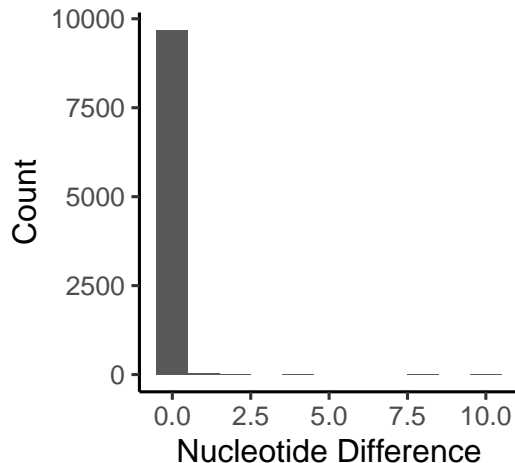
TRBV25–1*ap01

3328 sequences assigned
3301 (99.2%) exact matches, in which:
3290 unique CDR3
13 unique J



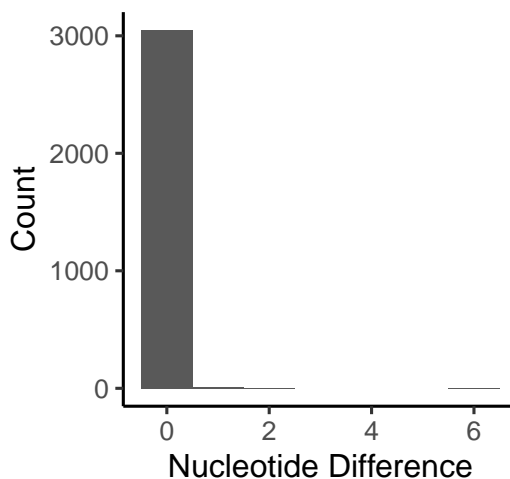
TRBV3–12*ap01

9729 sequences assigned
9690 (99.6%) exact matches, in which:
9664 unique CDR3
13 unique J



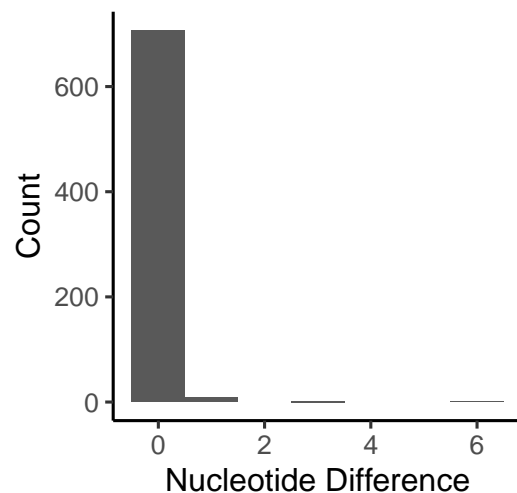
TRBV4–2*ap01

3063 sequences assigned
3049 (99.5%) exact matches, in which:
3046 unique CDR3
13 unique J



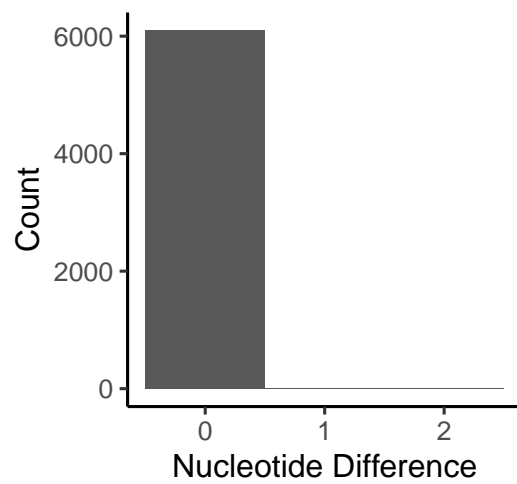
TRBV5–3*ap01

719 sequences assigned
707 (98.3%) exact matches, in which:
706 unique CDR3
13 unique J



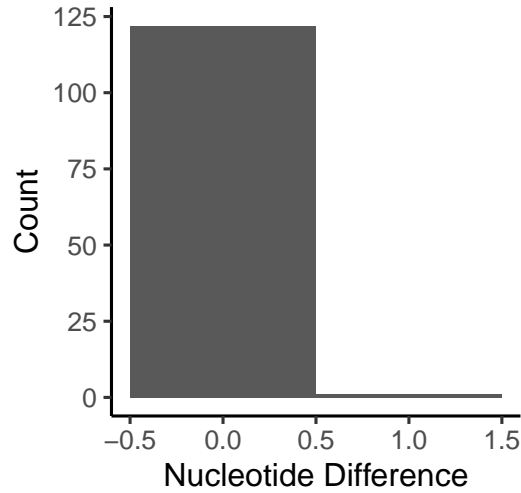
TRBV5-4*ap01

6110 sequences assigned
6098 (99.8%) exact matches, in which:
6093 unique CDR3
13 unique J



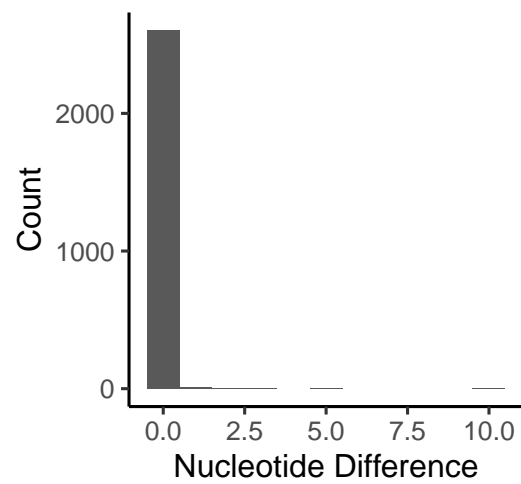
TRBV5-7*ap01

123 sequences assigned
122 (99.2%) exact matches, in which:
122 unique CDR3
12 unique J



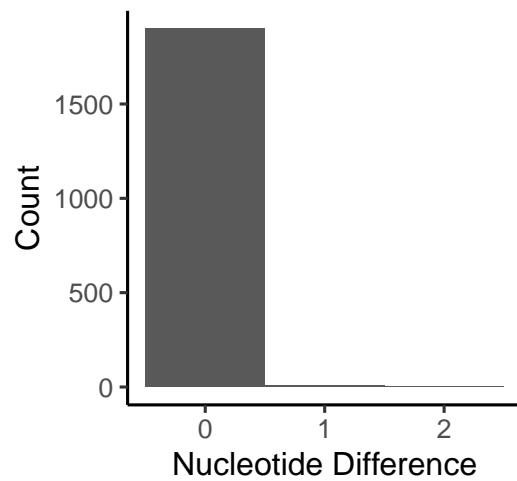
TRBV6-4*ap01

2619 sequences assigned
2603 (99.4%) exact matches, in which:
2602 unique CDR3
13 unique J



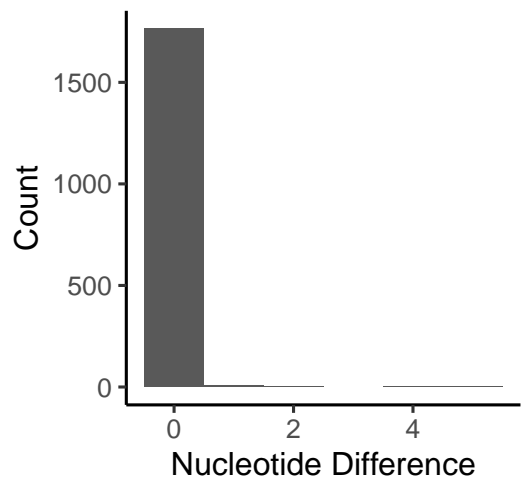
TRBV5-5*ap01

1909 sequences assigned
1899 (99.5%) exact matches, in which:
1894 unique CDR3
13 unique J



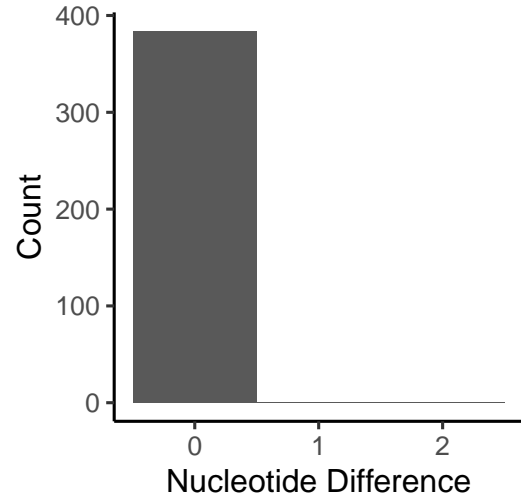
TRBV5-8*ap01

1774 sequences assigned
1764 (99.4%) exact matches, in which:
1764 unique CDR3
13 unique J



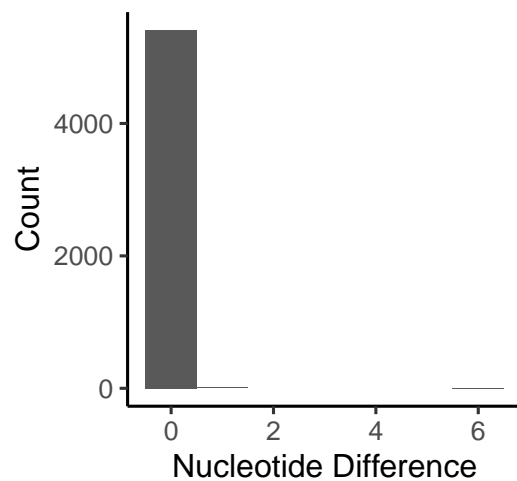
TRBV6-7*ap01

386 sequences assigned
384 (99.5%) exact matches, in which:
384 unique CDR3
13 unique J



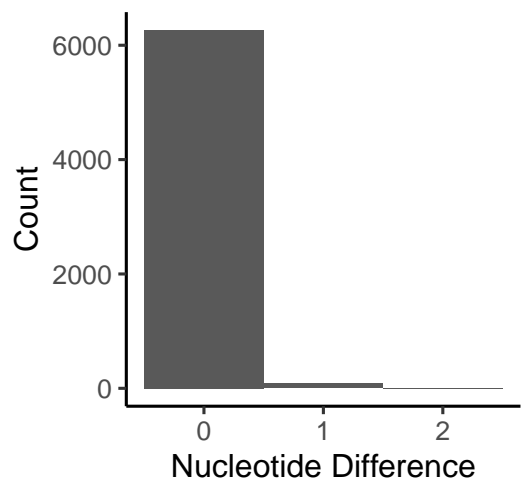
TRBV5-6*ap01

5424 sequences assigned
5411 (99.8%) exact matches, in which:
5399 unique CDR3
13 unique J



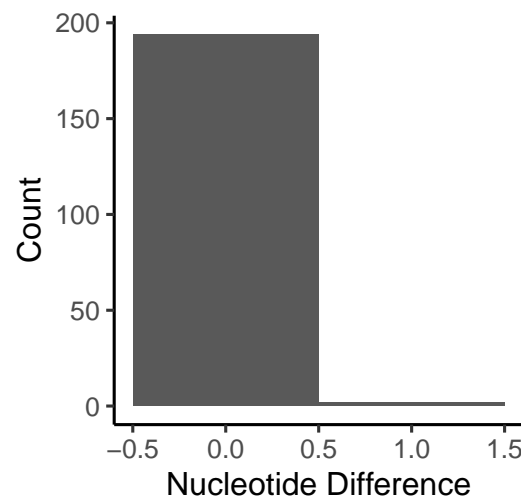
TRBV6-1*ap01

6350 sequences assigned
6266 (98.7%) exact matches, in which:
6253 unique CDR3
13 unique J



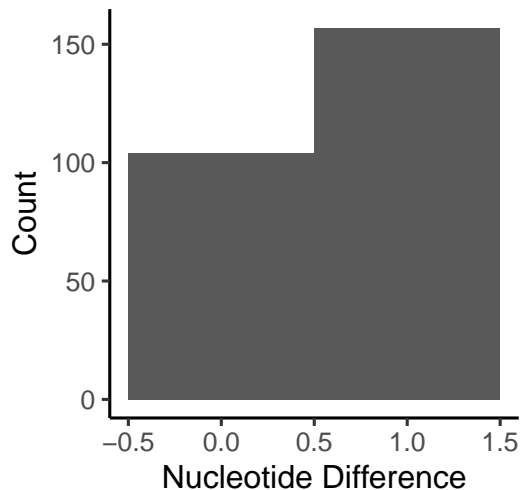
TRBV6-8*ap01

196 sequences assigned
194 (99%) exact matches, in which:
194 unique CDR3
11 unique J



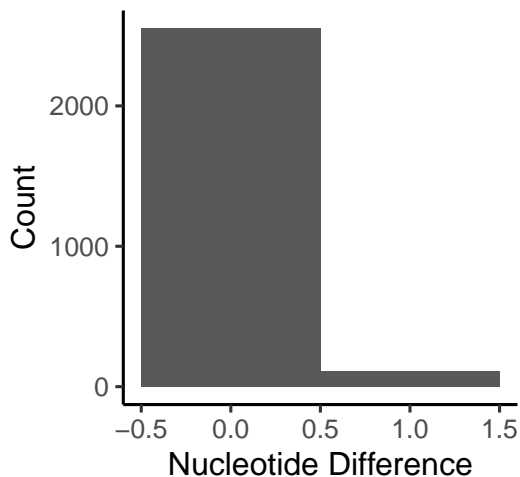
TRBV6–9*ap01

261 sequences assigned
104 (39.8%) exact matches, in which:
104 unique CDR3
12 unique J



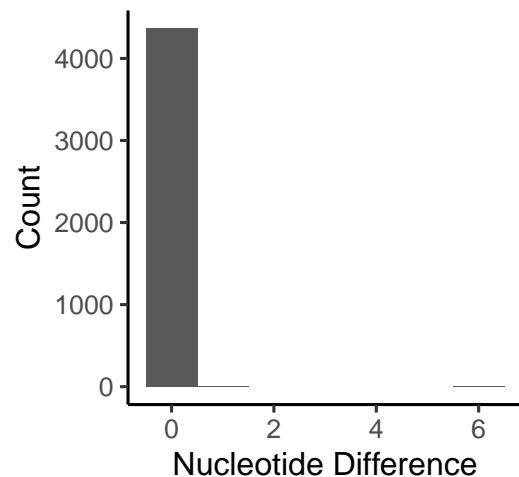
TRBV6–56*ap02

2661 sequences assigned
2552 (95.9%) exact matches, in which:
2551 unique CDR3
13 unique J



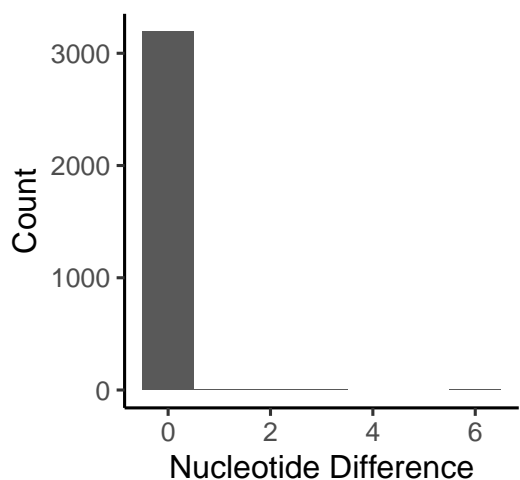
TRBV7–2*ap01

4373 sequences assigned
4366 (99.8%) exact matches, in which:
4365 unique CDR3
13 unique J



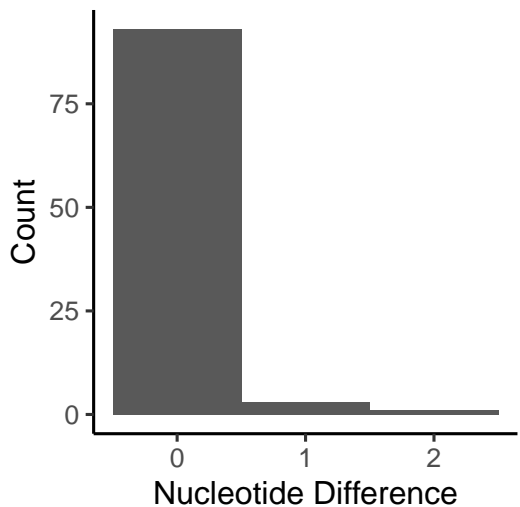
TRBV6–23*ap01

3199 sequences assigned
3192 (99.8%) exact matches, in which:
3184 unique CDR3
13 unique J



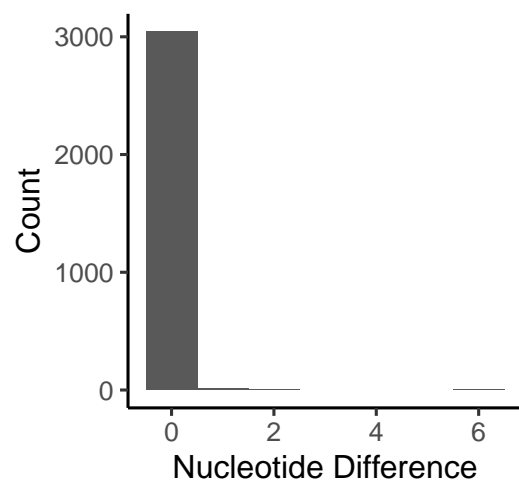
TRBV7–1*ap01_G291C_T

97 sequences assigned
93 (95.9%) exact matches, in which:
93 unique CDR3
12 unique J



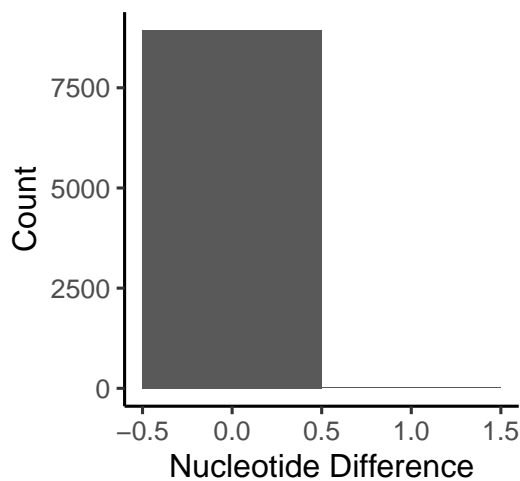
TRBV7–3*ap01

3058 sequences assigned
3043 (99.5%) exact matches, in which:
3040 unique CDR3
13 unique J



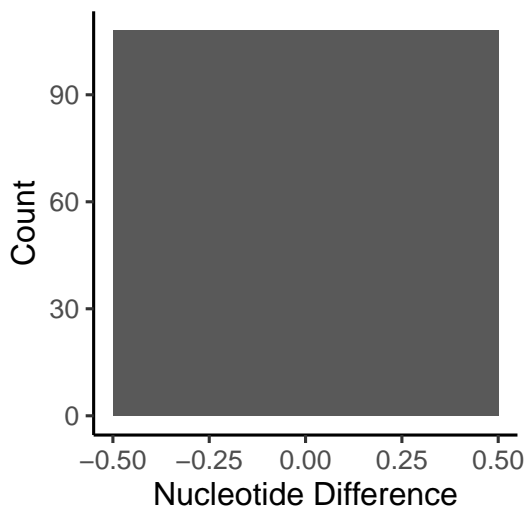
TRBV6–56*ap01

8958 sequences assigned
8941 (99.8%) exact matches, in which:
8924 unique CDR3
13 unique J



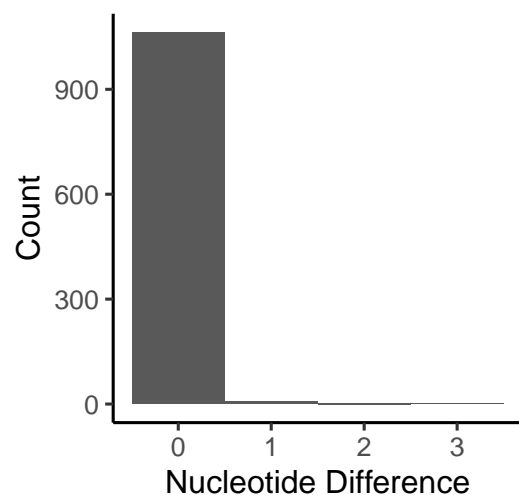
TRBV7–1*ap01_G291C_T

108 sequences assigned
108 (100%) exact matches, in which:
108 unique CDR3
12 unique J



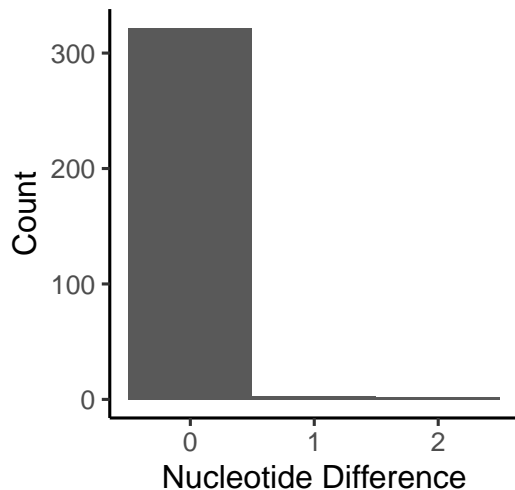
TRBV7–3*ap02

1073 sequences assigned
1063 (99.1%) exact matches, in which:
1063 unique CDR3
14 unique J



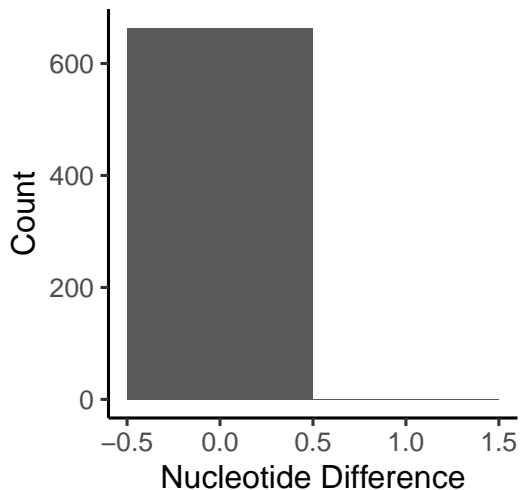
TRBV7-4*ap01

327 sequences assigned
322 (98.5%) exact matches, in which:
322 unique CDR3
13 unique J



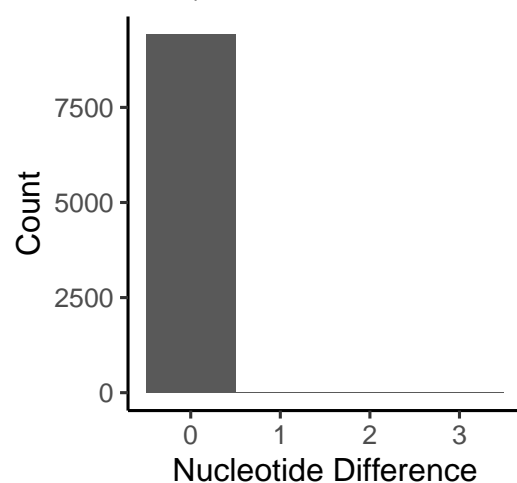
TRBV7-7*ap01_C315T

665 sequences assigned
664 (99.8%) exact matches, in which:
662 unique CDR3
12 unique J



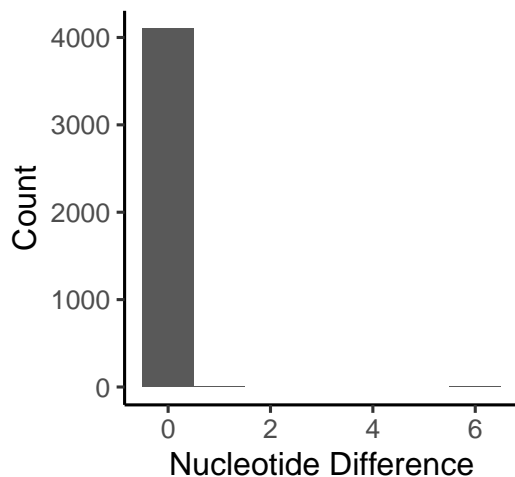
TRBV7-9*ap01

9434 sequences assigned
9419 (99.8%) exact matches, in which:
9415 unique CDR3
13 unique J



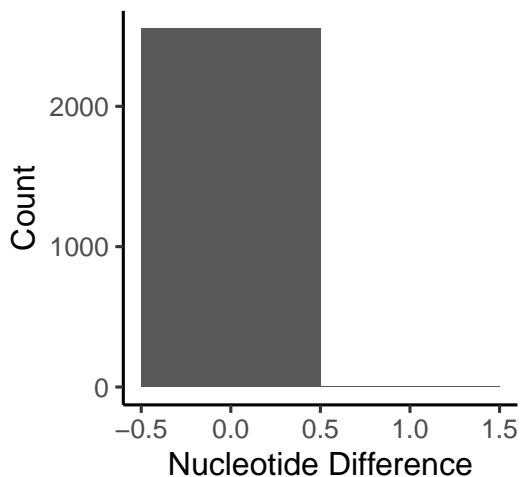
TRBV7-6*ap01

4110 sequences assigned
4100 (99.8%) exact matches, in which:
4098 unique CDR3
13 unique J



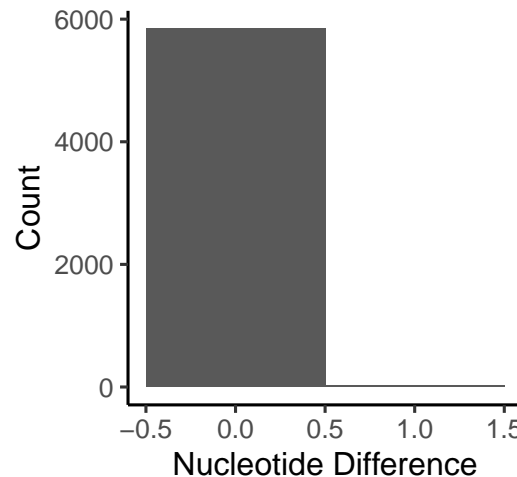
TRBV7-8*ap01

2554 sequences assigned
2553 (100%) exact matches, in which:
2552 unique CDR3
13 unique J



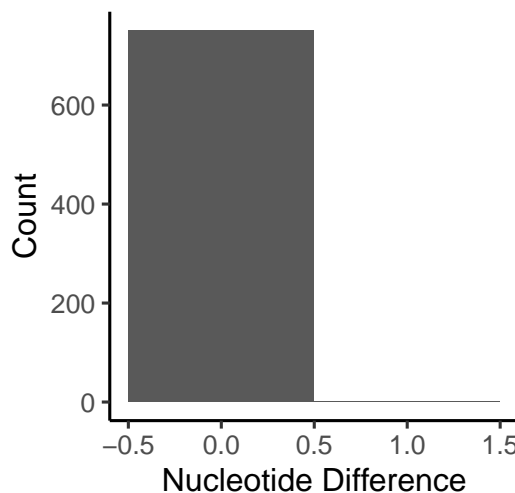
TRBV29-1*ap01

5871 sequences assigned
5844 (99.5%) exact matches, in which:
5833 unique CDR3
13 unique J



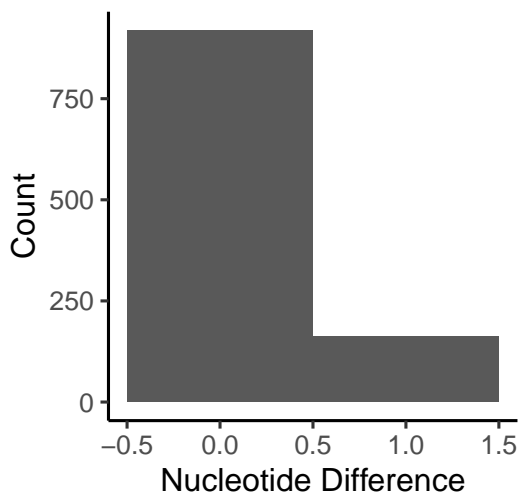
TRBV7-7*ap01

752 sequences assigned
751 (99.9%) exact matches, in which:
751 unique CDR3
13 unique J



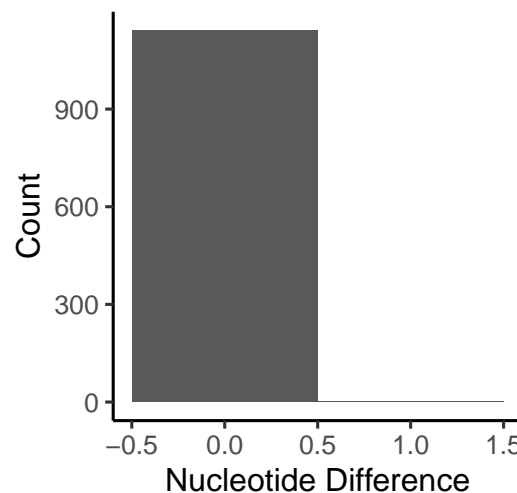
TRBV7-8*ap03

1082 sequences assigned
919 (84.9%) exact matches, in which:
919 unique CDR3
13 unique J

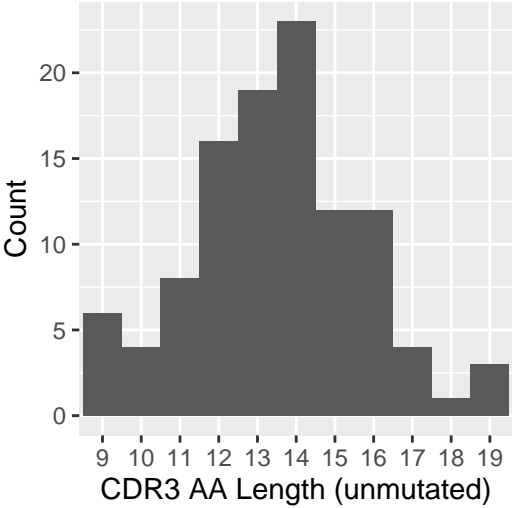


TRBV29-1*ap02

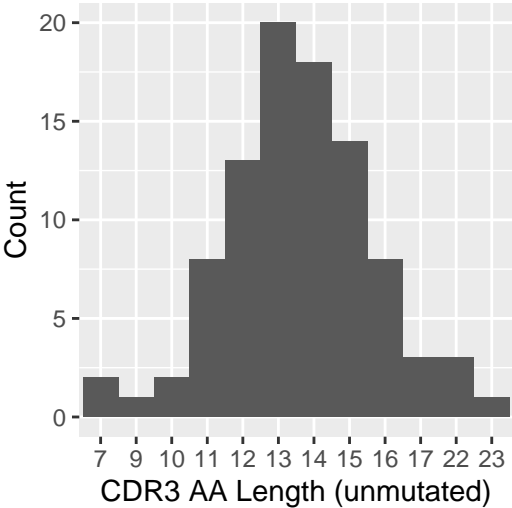
1144 sequences assigned
1142 (99.8%) exact matches, in which:
1140 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

