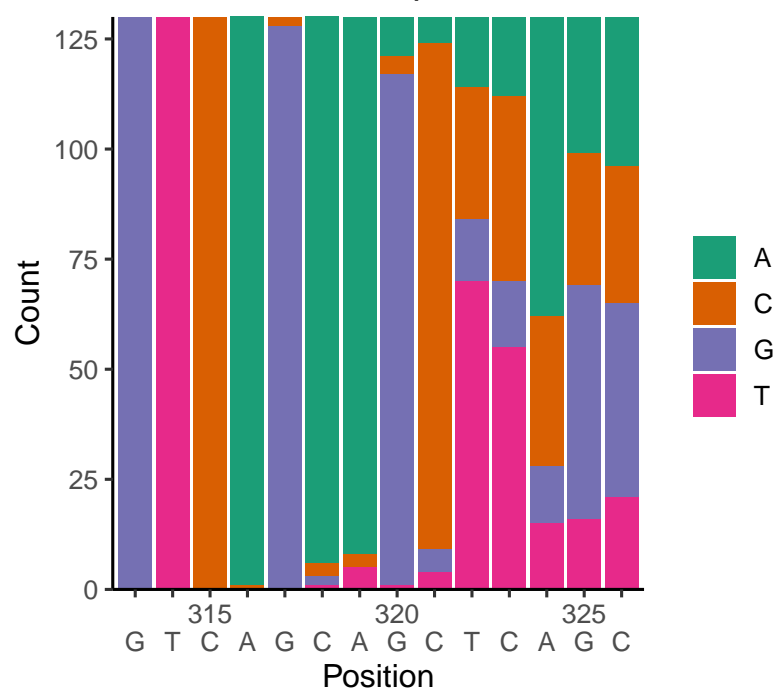
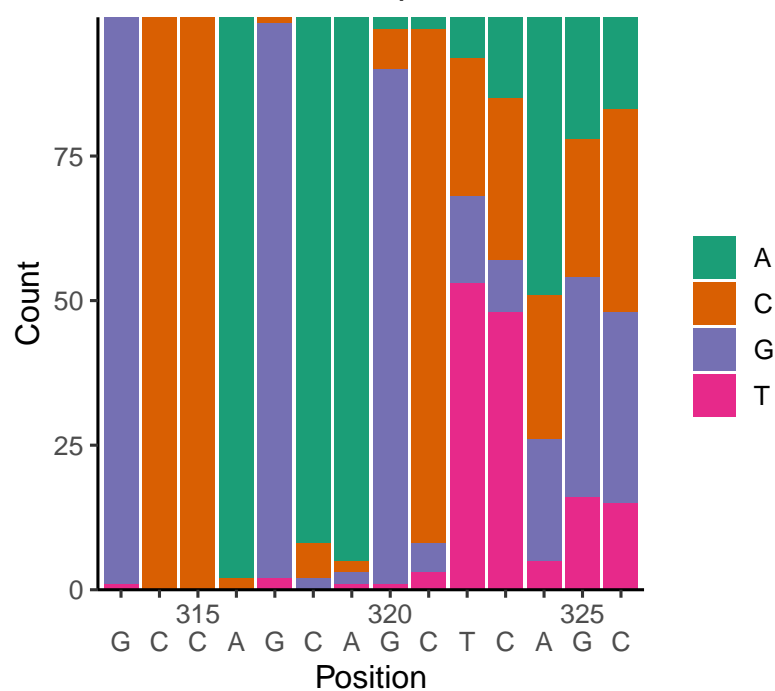


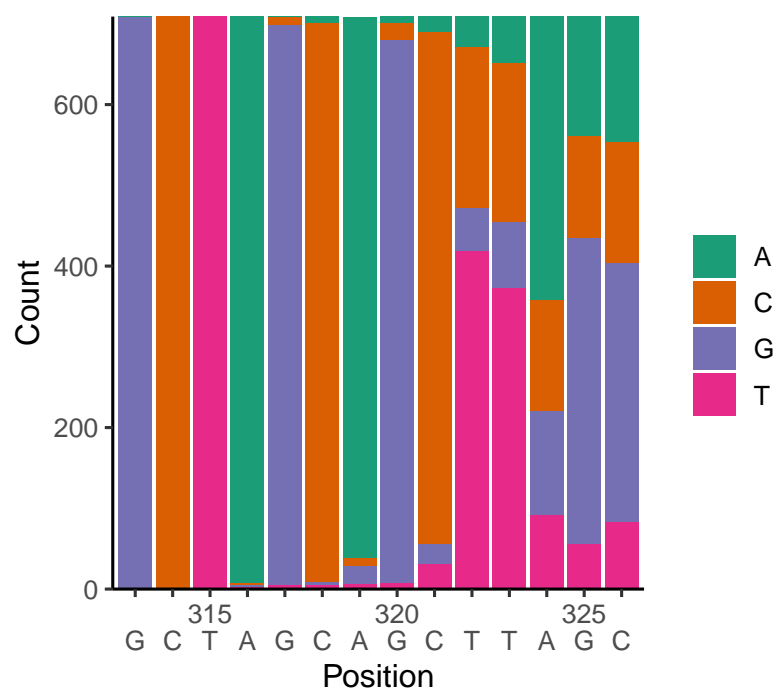
Gene TRBV7-1*ap01_G291C_T296C_C314T



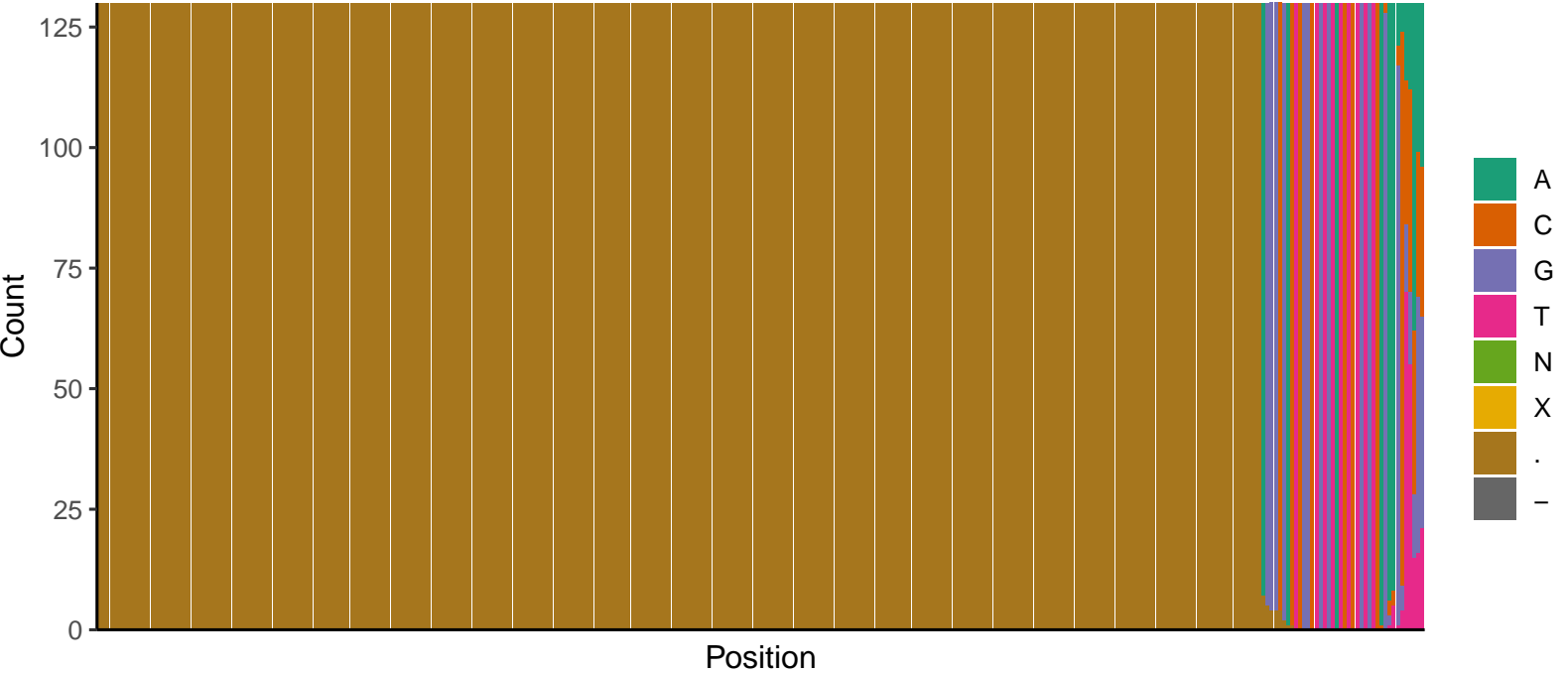
Gene TRBV7-1*ap01_G291C_T296C



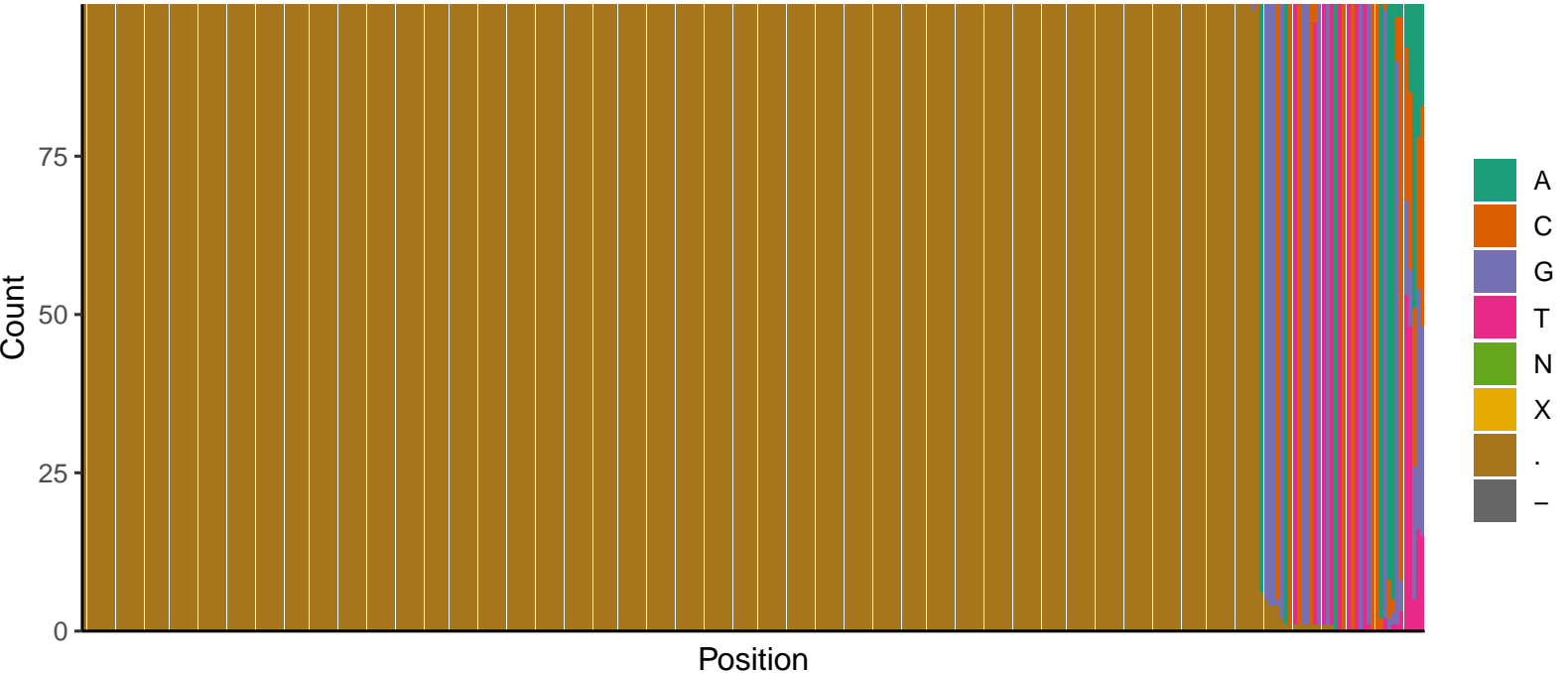
Gene TRBV7-7*ap01_C315T



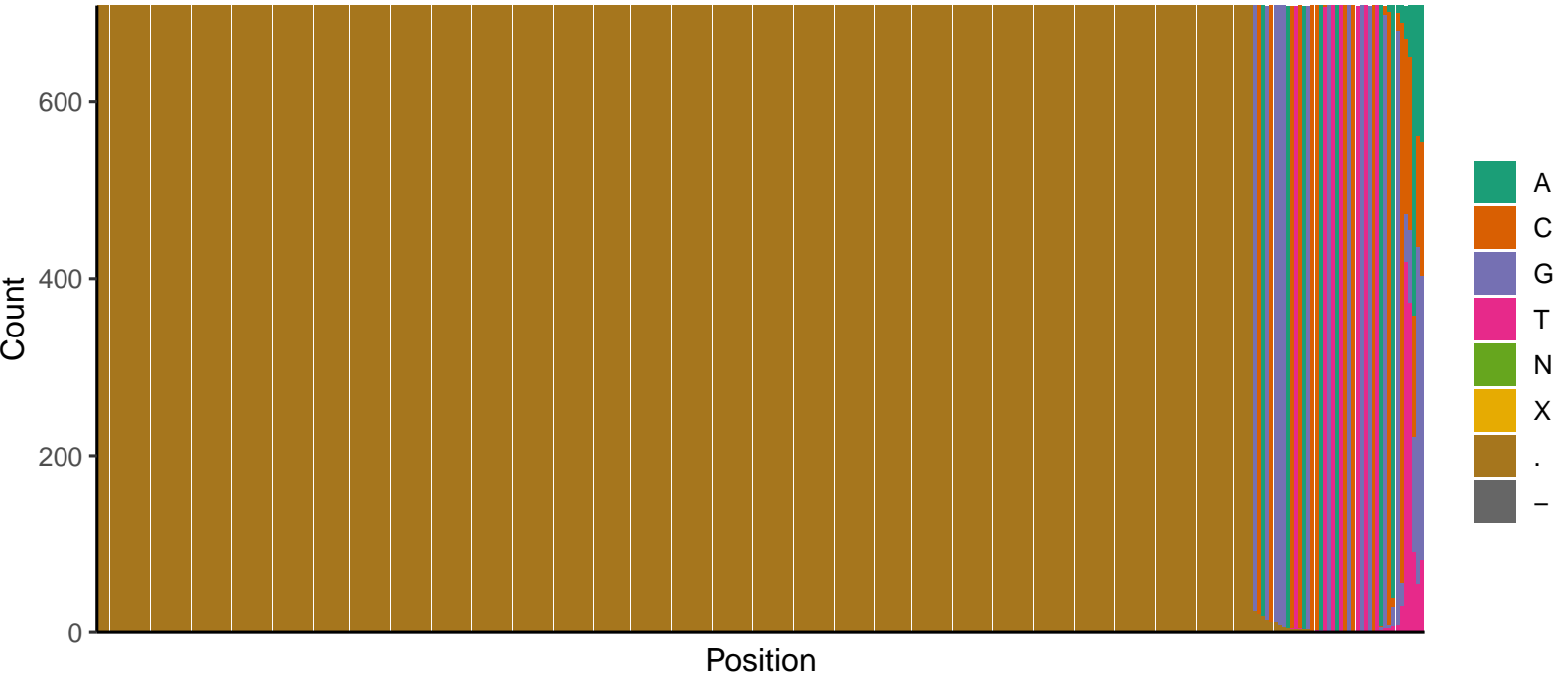
Gene TRBV7-1*ap01_G291C_T296C_C314T



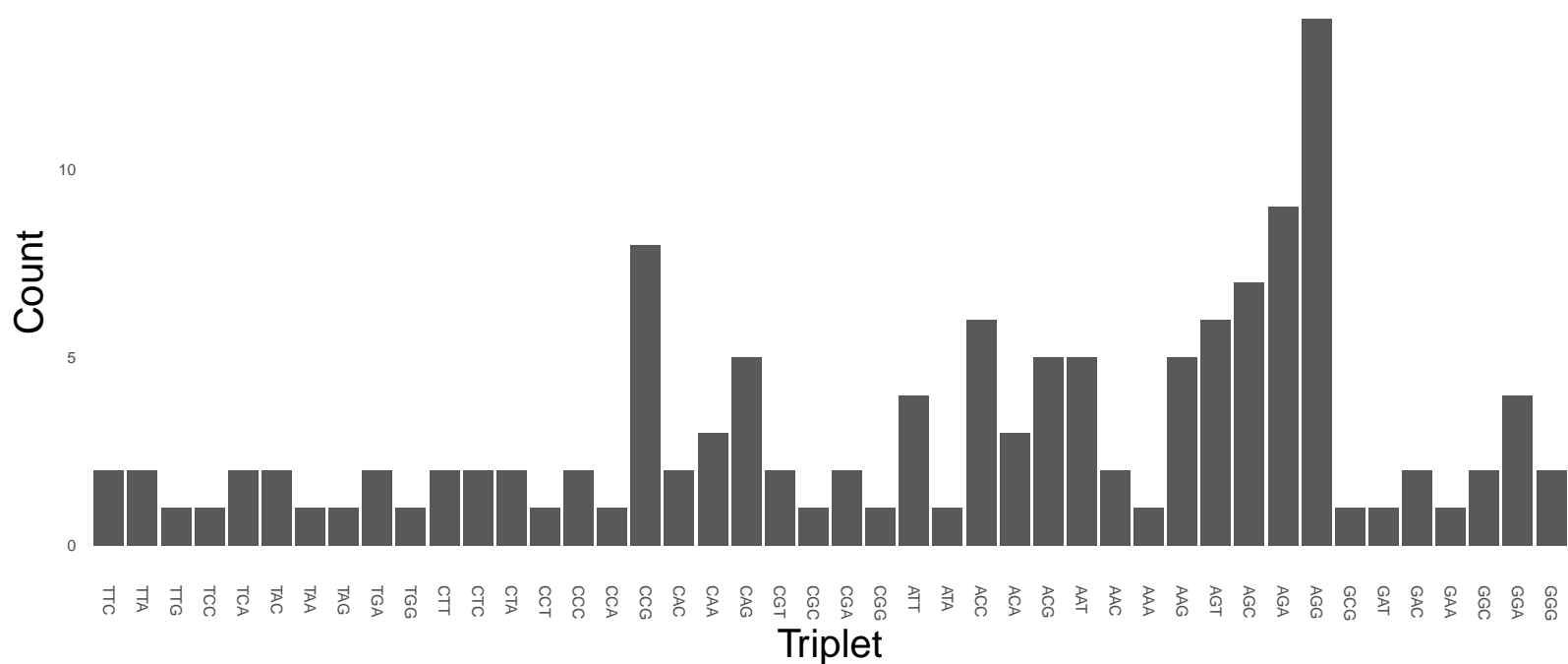
Gene TRBV7-1*ap01_G291C_T296C



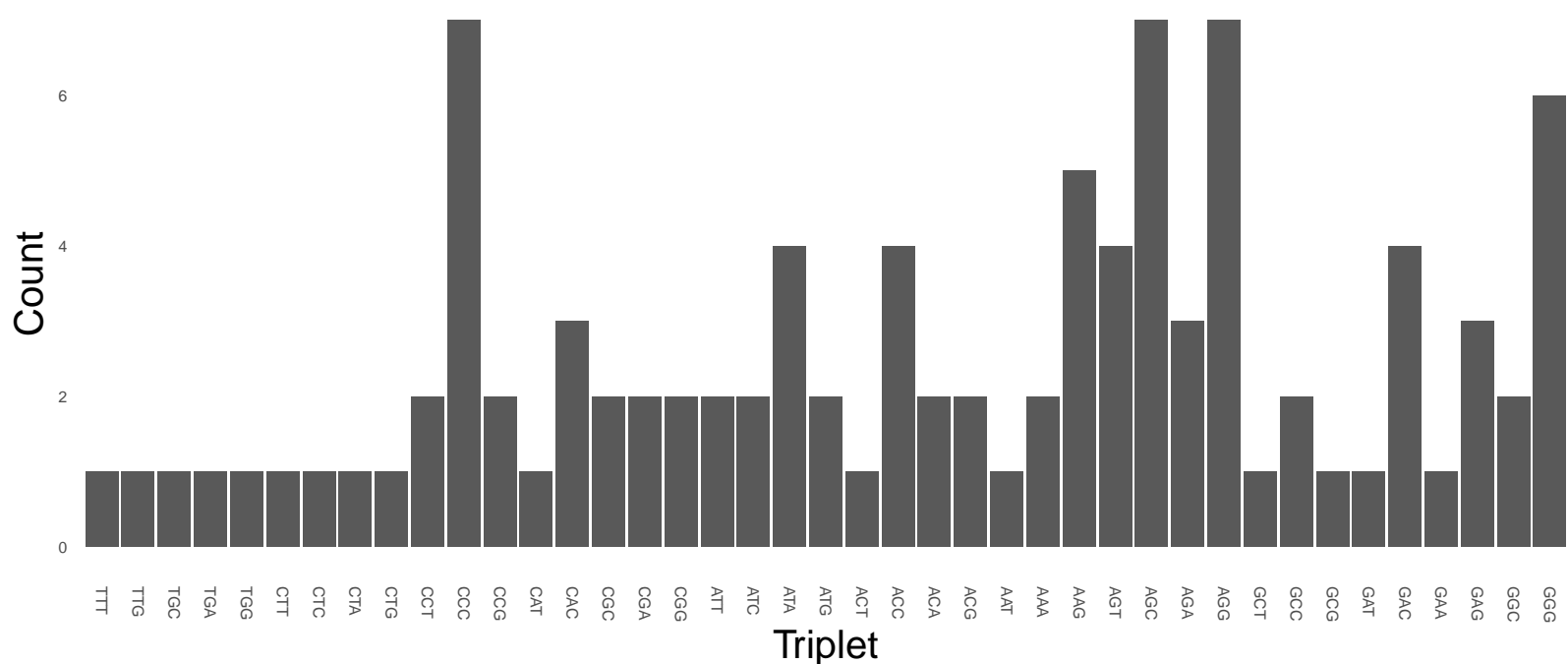
Gene TRBV7-7*ap01_C315T



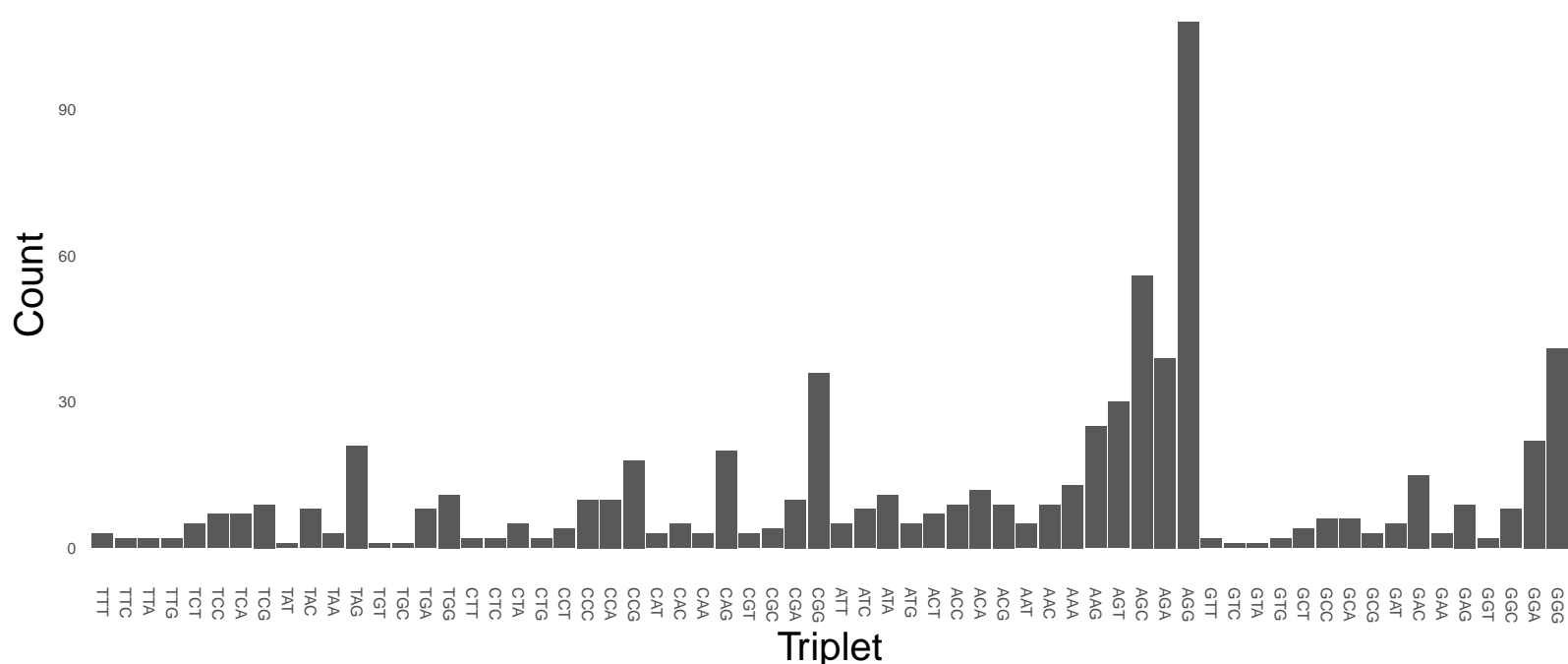
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

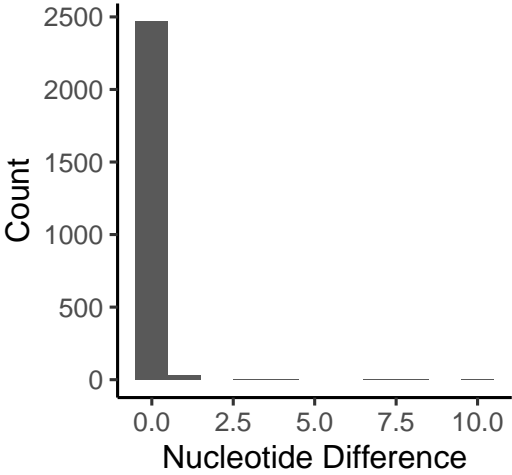


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



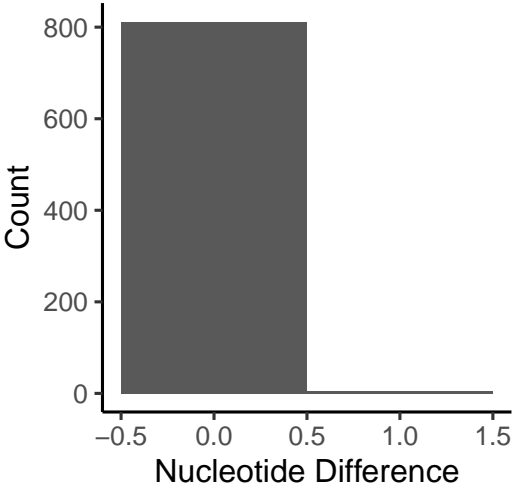
TRBV10-1*ap01

2508 sequences assigned
2469 (98.4%) exact matches, in which:
2407 unique CDR3
13 unique J



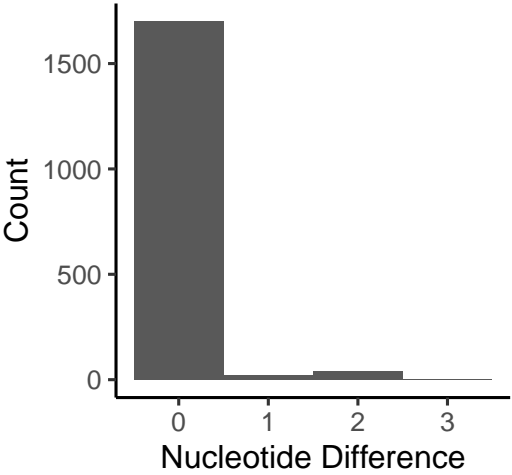
TRBV10-2*ap01

818 sequences assigned
812 (99.3%) exact matches, in which:
793 unique CDR3
13 unique J



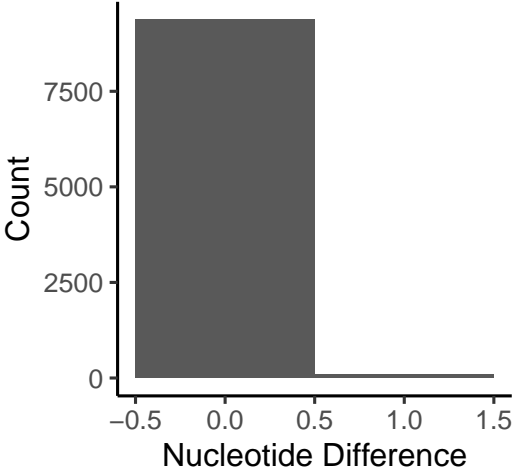
TRBV13*ap01

1764 sequences assigned
1700 (96.4%) exact matches, in which:
1651 unique CDR3
13 unique J



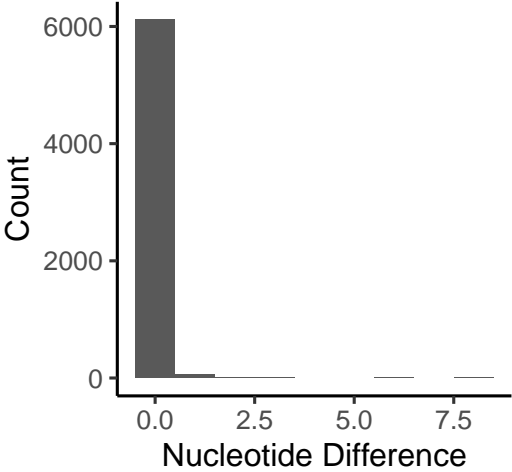
TRBV20-1*ap01

9461 sequences assigned
9372 (99.1%) exact matches, in which:
9236 unique CDR3
13 unique J



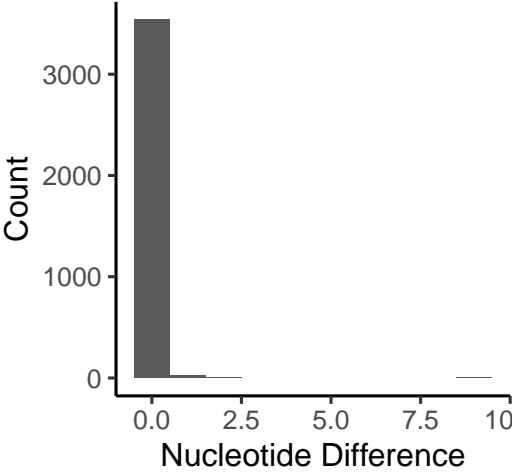
TRBV10-3*ap01

6193 sequences assigned
6115 (98.7%) exact matches, in which:
5991 unique CDR3
13 unique J



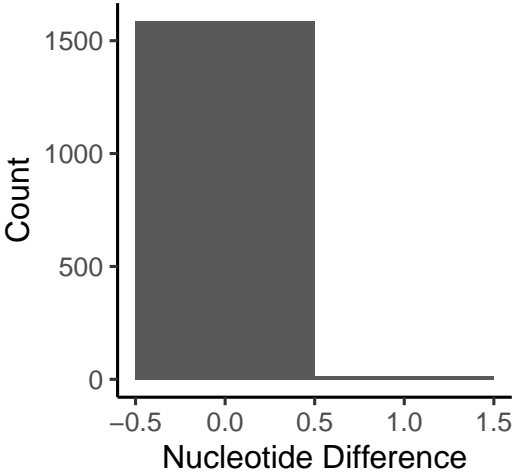
TRBV14*ap01

3569 sequences assigned
3538 (99.1%) exact matches, in which:
3484 unique CDR3
13 unique J



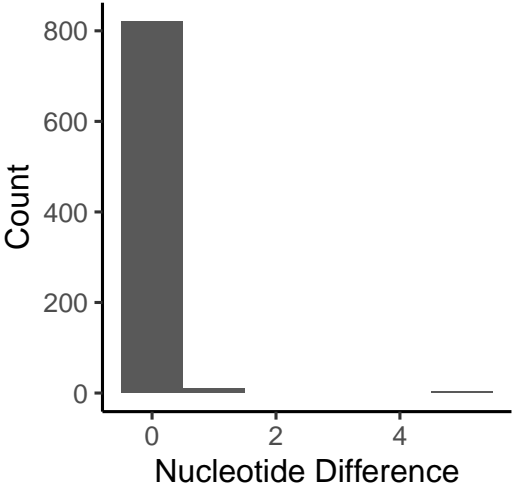
TRBV20-1*ap02

1602 sequences assigned
1587 (99.1%) exact matches, in which:
1556 unique CDR3
13 unique J



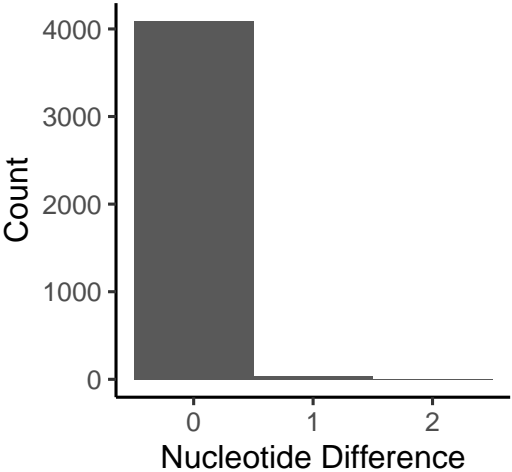
TRBV1*ap01

834 sequences assigned
821 (98.4%) exact matches, in which:
801 unique CDR3
13 unique J



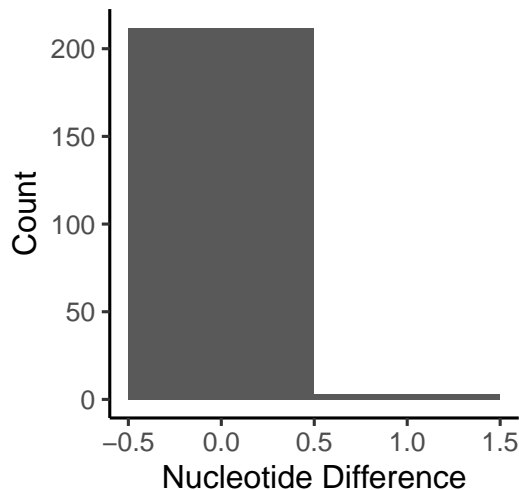
TRBV15*ap02

4132 sequences assigned
4090 (99%) exact matches, in which:
3996 unique CDR3
13 unique J



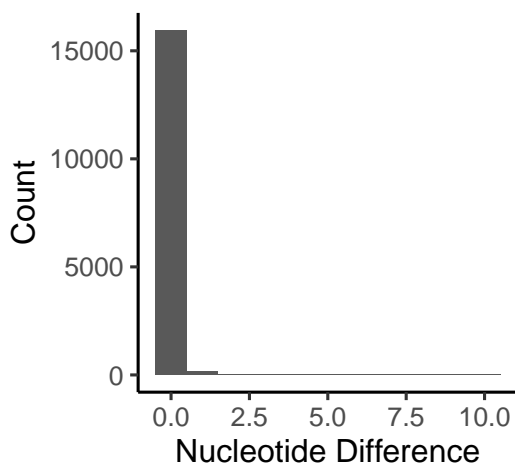
TRBV16*ap01

215 sequences assigned
212 (98.6%) exact matches, in which:
211 unique CDR3
13 unique J



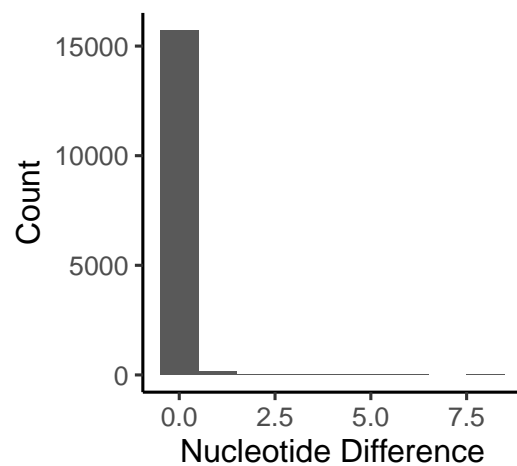
TRBV19*ap01

16129 sequences assigned
15956 (98.9%) exact matches, in which:
15769 unique CDR3
13 unique J



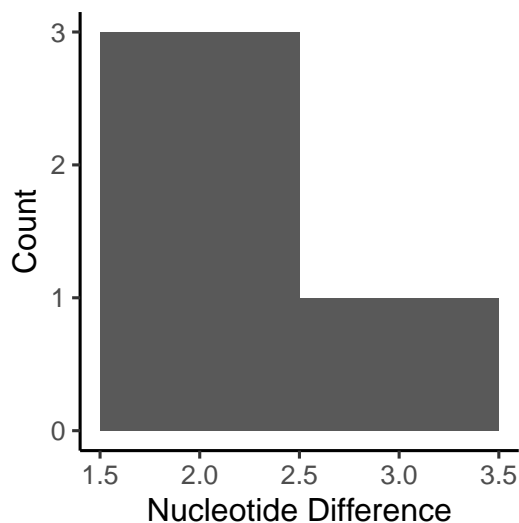
TRBV27*ap01

15917 sequences assigned
15726 (98.8%) exact matches, in which:
15338 unique CDR3
13 unique J



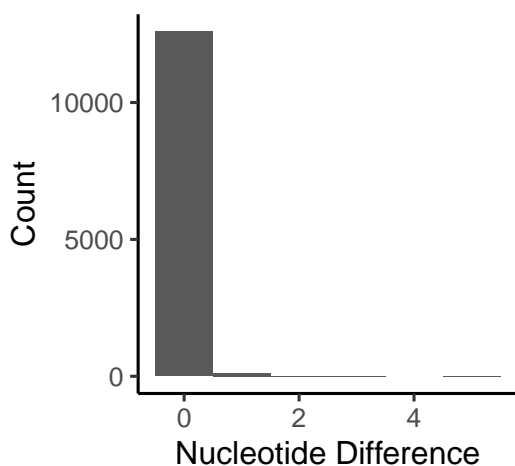
TRBV17*ap01

4 sequences assigned
No exact matches.



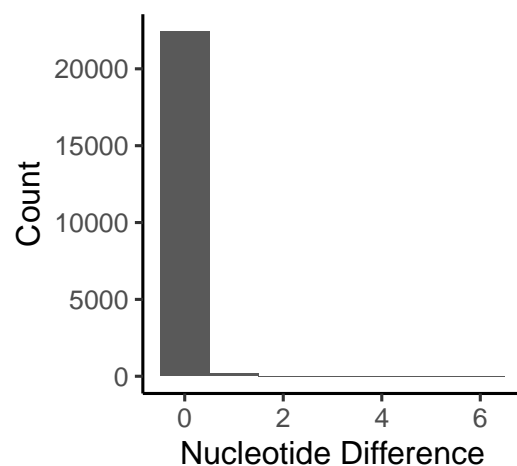
TRBV2*ap01

12731 sequences assigned
12596 (98.9%) exact matches, in which:
12315 unique CDR3
13 unique J



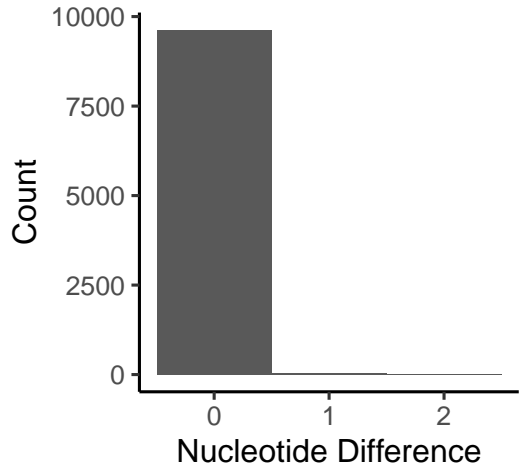
TRBV28*ap01

22630 sequences assigned
22430 (99.1%) exact matches, in which:
22108 unique CDR3
13 unique J



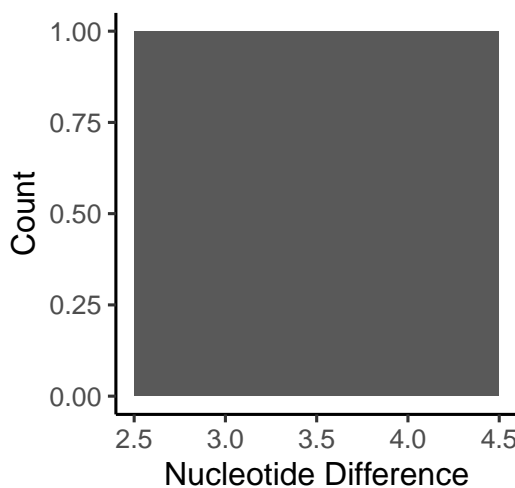
TRBV18*ap01

9689 sequences assigned
9631 (99.4%) exact matches, in which:
9518 unique CDR3
13 unique J



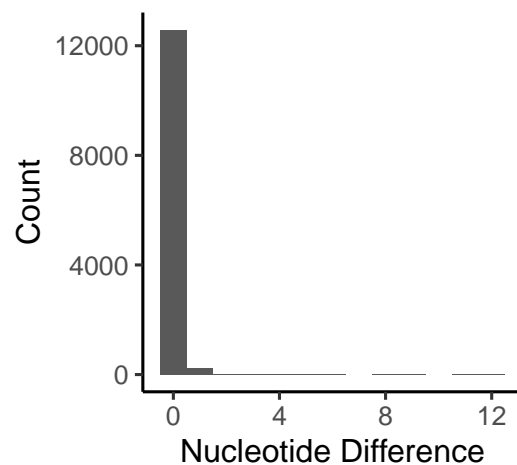
TRBV26*ap01

2 sequences assigned
No exact matches.



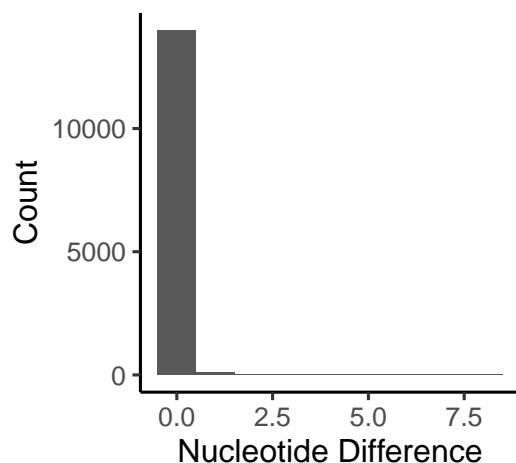
TRBV30*ap01

12827 sequences assigned
12581 (98.1%) exact matches, in which:
12365 unique CDR3
13 unique J



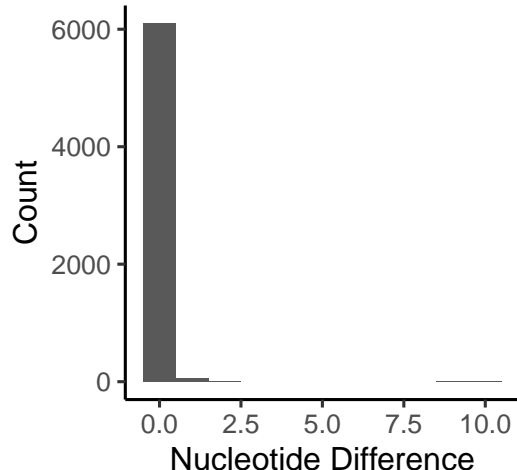
TRBV9*ap01

14127 sequences assigned
13993 (99.1%) exact matches, in which:
13766 unique CDR3
13 unique J



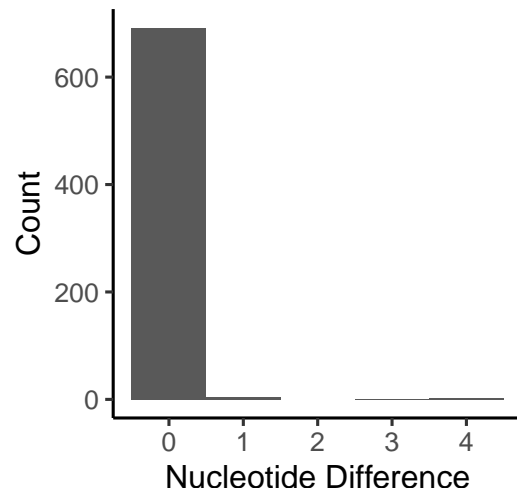
TRBV11-2*ap01

6158 sequences assigned
6099 (99%) exact matches, in which:
5969 unique CDR3
13 unique J



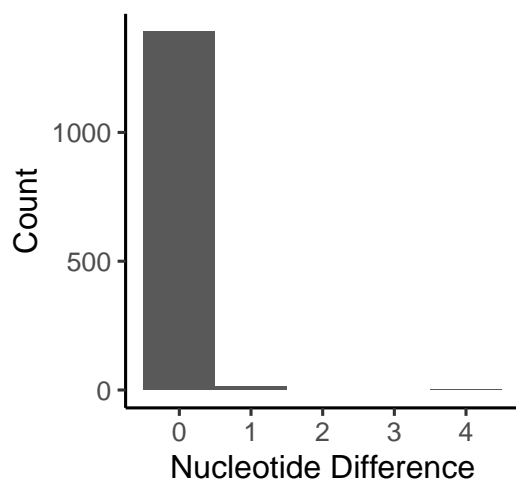
TRBV12-2*ap01

699 sequences assigned
692 (99%) exact matches, in which:
682 unique CDR3
13 unique J



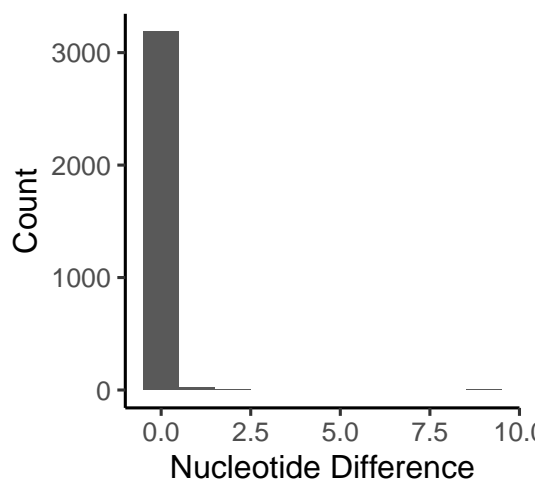
TRBV11-1*ap01

1404 sequences assigned
1391 (99.1%) exact matches, in which:
1360 unique CDR3
13 unique J



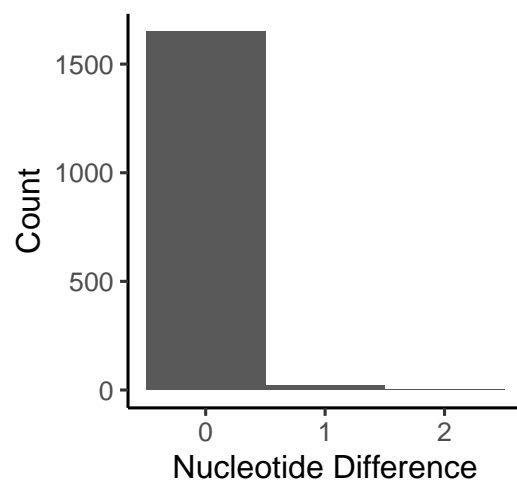
TRBV11-3*ap01

3212 sequences assigned
3186 (99.2%) exact matches, in which:
3129 unique CDR3
13 unique J



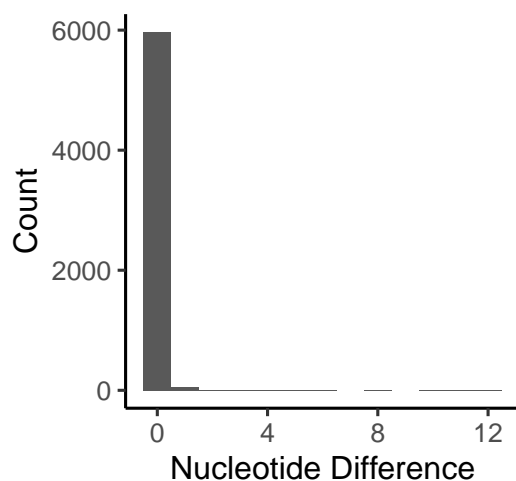
TRBV12-5*ap01

1669 sequences assigned
1649 (98.8%) exact matches, in which:
1625 unique CDR3
13 unique J



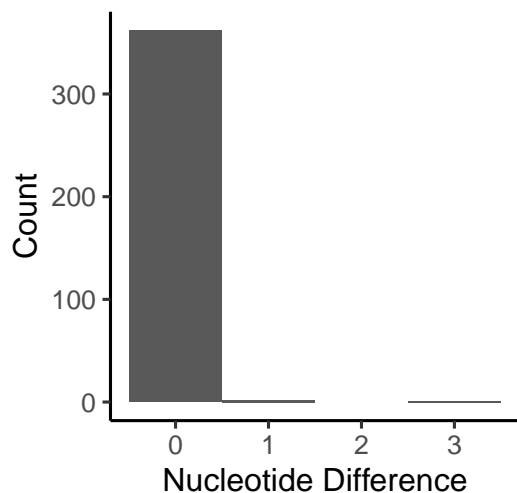
TRBV21-1*ap01

6059 sequences assigned
5968 (98.5%) exact matches, in which:
5886 unique CDR3
13 unique J



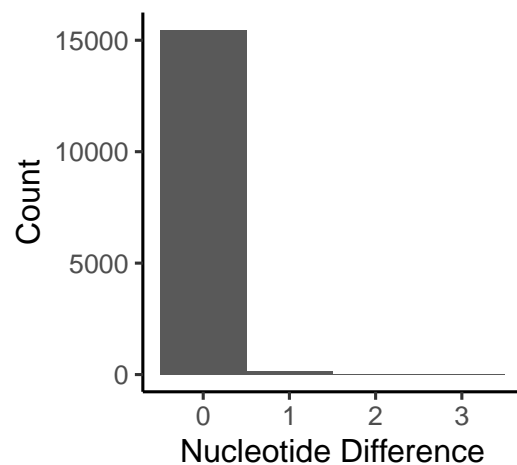
TRBV12-1*ap01

365 sequences assigned
362 (99.2%) exact matches, in which:
356 unique CDR3
13 unique J



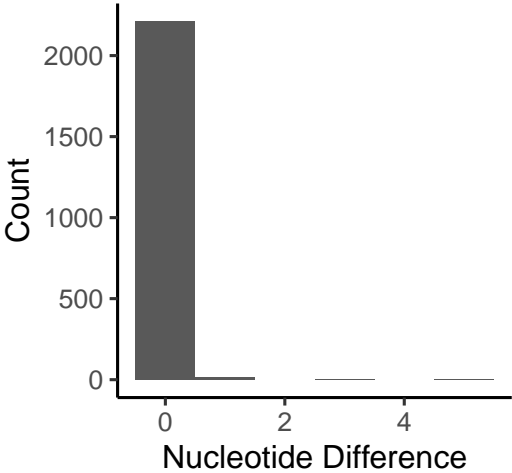
TRBV12-34*ap01

15634 sequences assigned
15469 (98.9%) exact matches, in which:
15231 unique CDR3
13 unique J



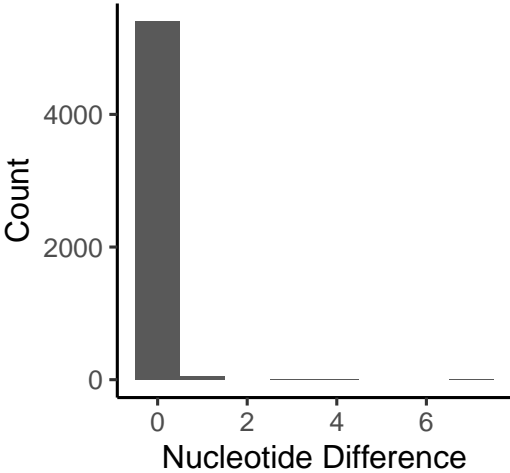
TRBV23-1*ap01

2231 sequences assigned
2211 (99.1%) exact matches, in which:
2175 unique CDR3
13 unique J



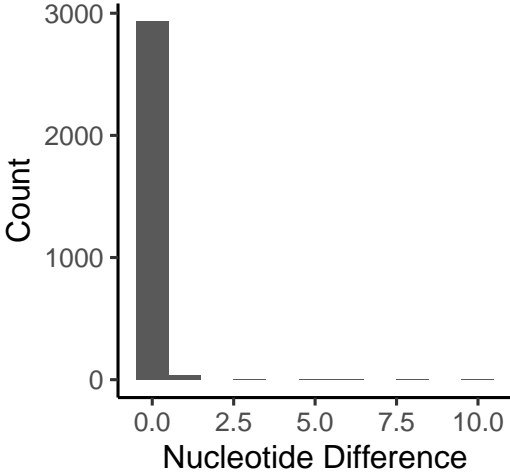
TRBV4-1*ap01

5457 sequences assigned
5402 (99%) exact matches, in which:
5305 unique CDR3
13 unique J



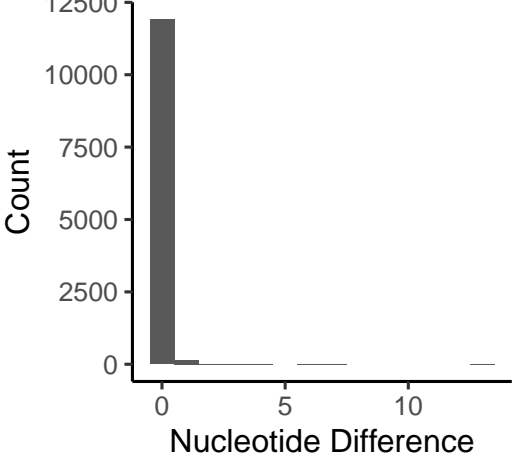
TRBV25-1*ap01

2976 sequences assigned
2933 (98.6%) exact matches, in which:
2876 unique CDR3
13 unique J



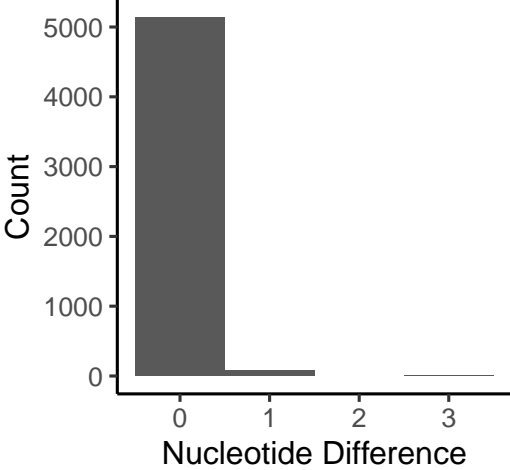
TRBV3-12*ap01

12056 sequences assigned
11909 (98.8%) exact matches, in which:
11669 unique CDR3
13 unique J



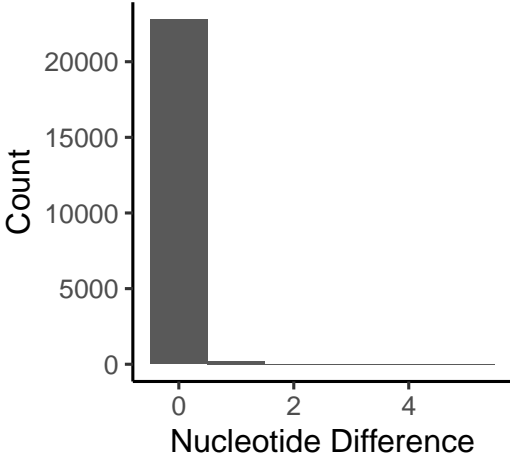
TRBV4-2*ap01

5213 sequences assigned
5133 (98.5%) exact matches, in which:
5026 unique CDR3
13 unique J



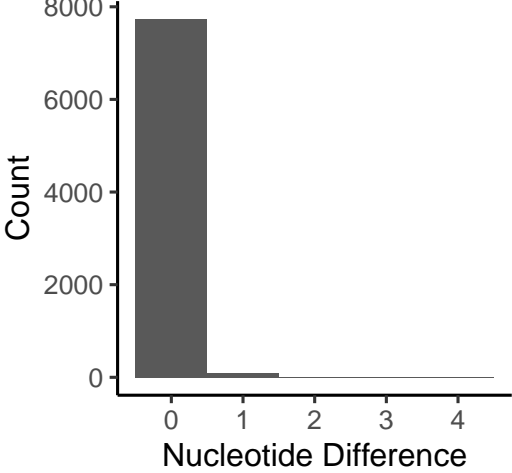
TRBV5-1*ap01

23034 sequences assigned
22793 (99%) exact matches, in which:
22254 unique CDR3
13 unique J



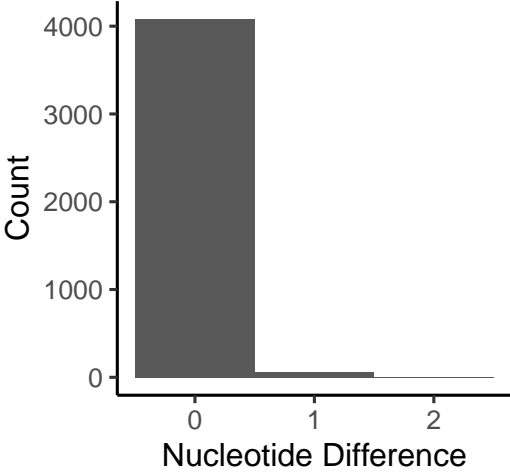
TRBV24-1*ap01

7834 sequences assigned
7735 (98.7%) exact matches, in which:
7598 unique CDR3
13 unique J



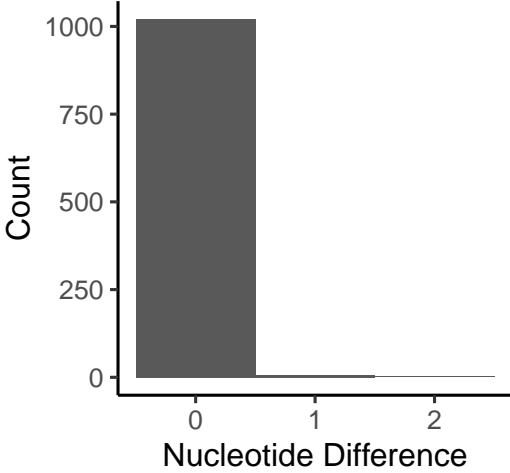
TRBV4-3*ap01

4144 sequences assigned
4081 (98.5%) exact matches, in which:
4012 unique CDR3
13 unique J



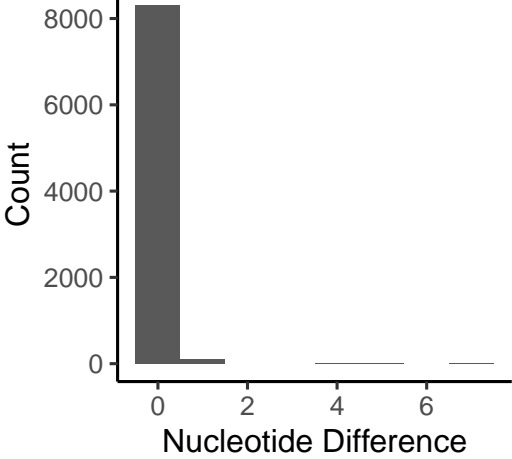
TRBV5-3*ap01

1030 sequences assigned
1021 (99.1%) exact matches, in which:
1005 unique CDR3
13 unique J



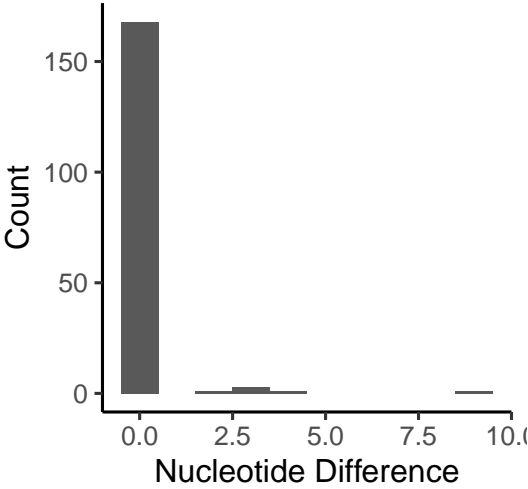
TRBV5-4*ap01

8406 sequences assigned
8304 (98.8%) exact matches, in which:
8111 unique CDR3
13 unique J



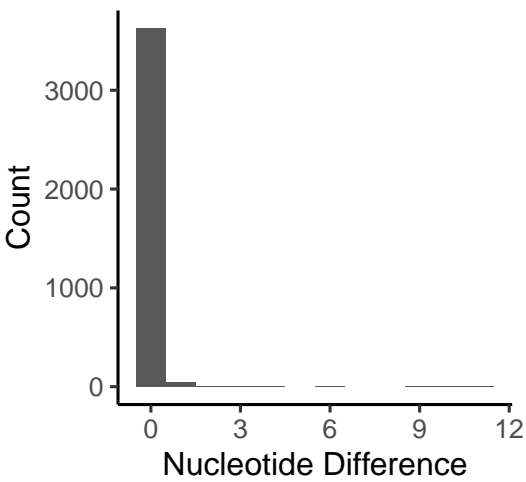
TRBV5-7*ap01

174 sequences assigned
168 (96.6%) exact matches, in which:
166 unique CDR3
13 unique J



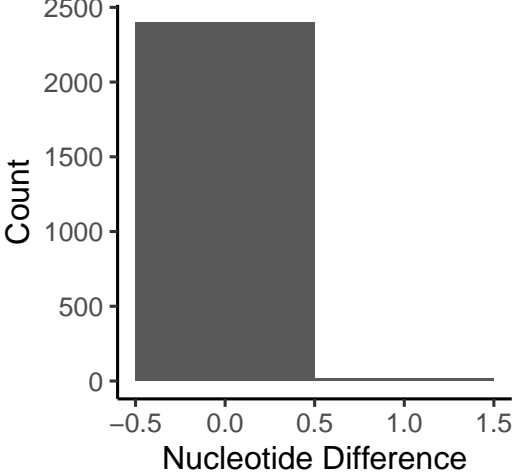
TRBV6-4*ap01

3686 sequences assigned
3626 (98.4%) exact matches, in which:
3561 unique CDR3
13 unique J



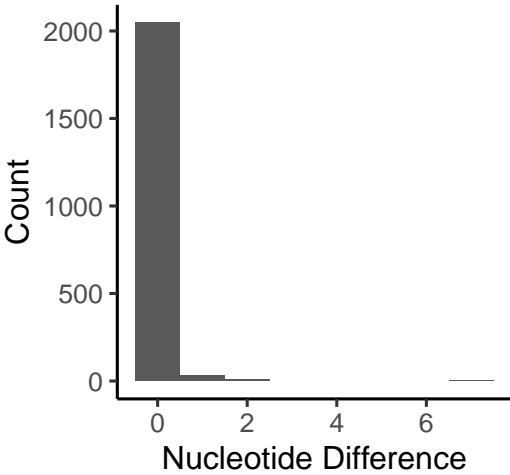
TRBV5-5*ap01

2411 sequences assigned
2397 (99.4%) exact matches, in which:
2369 unique CDR3
13 unique J



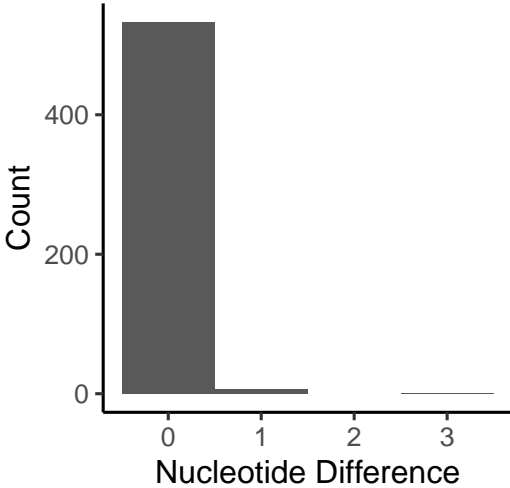
TRBV5-8*ap01

2088 sequences assigned
2047 (98%) exact matches, in which:
2008 unique CDR3
13 unique J



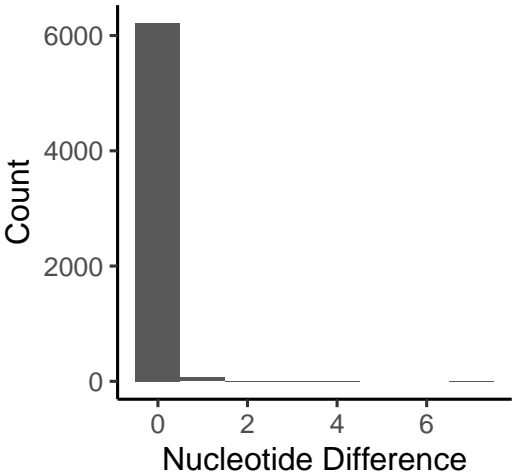
TRBV6-7*ap01

540 sequences assigned
533 (98.7%) exact matches, in which:
520 unique CDR3
13 unique J



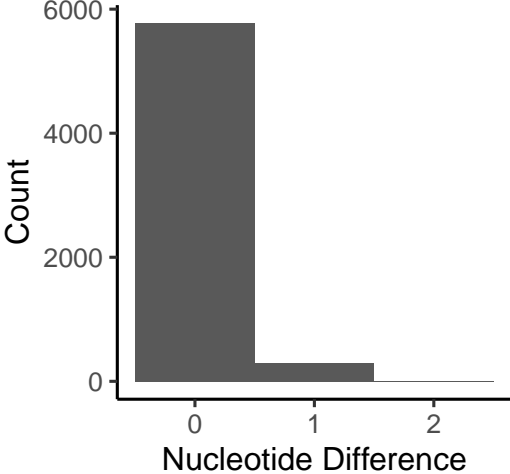
TRBV5-6*ap01

6289 sequences assigned
6217 (98.9%) exact matches, in which:
6071 unique CDR3
13 unique J



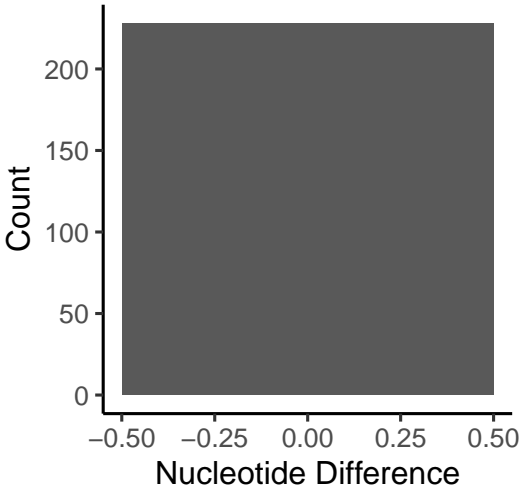
TRBV6-1*ap01

6071 sequences assigned
5776 (95.1%) exact matches, in which:
5645 unique CDR3
13 unique J



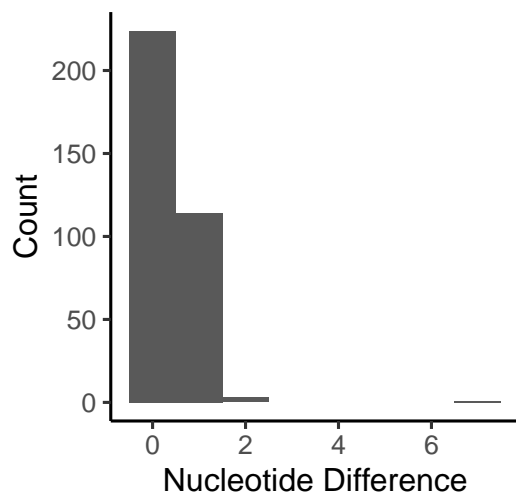
TRBV6-8*ap01

228 sequences assigned
228 (100%) exact matches, in which:
224 unique CDR3
13 unique J



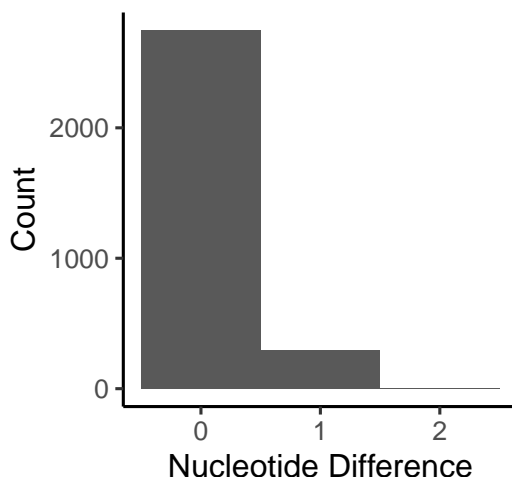
TRBV6–9*ap01

342 sequences assigned
224 (65.5%) exact matches, in which:
222 unique CDR3
13 unique J



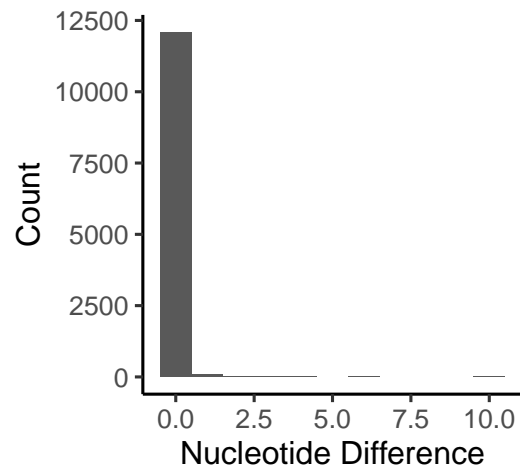
TRBV6–56*ap02

3049 sequences assigned
2747 (90.1%) exact matches, in which:
2687 unique CDR3
13 unique J



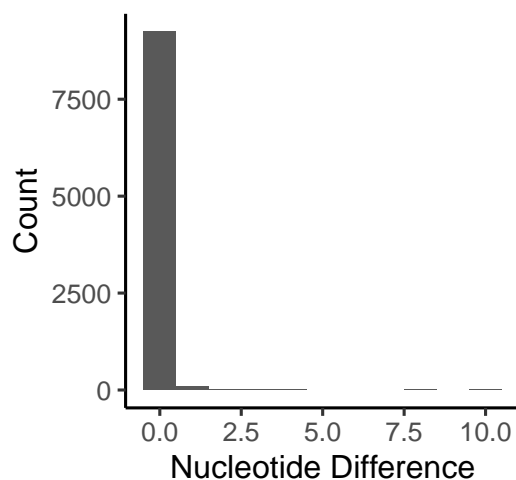
TRBV7–2*ap01

12174 sequences assigned
12090 (99.3%) exact matches, in which:
11919 unique CDR3
13 unique J



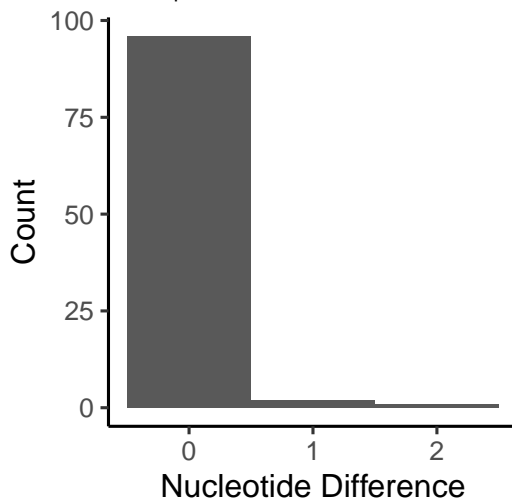
TRBV6–23*ap01

9344 sequences assigned
9241 (98.9%) exact matches, in which:
9004 unique CDR3
13 unique J



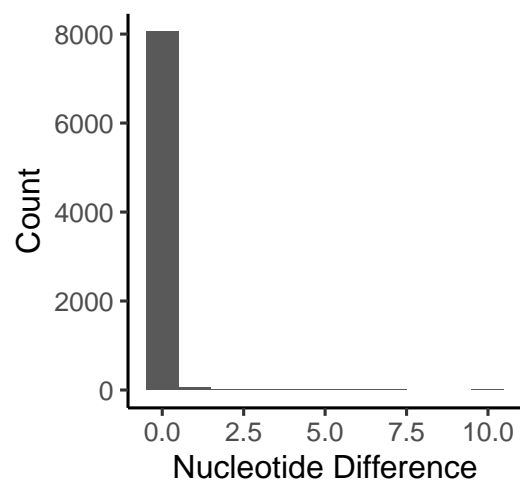
TRBV7–1*ap01_G291C_

99 sequences assigned
96 (97%) exact matches, in which:
95 unique CDR3
12 unique J



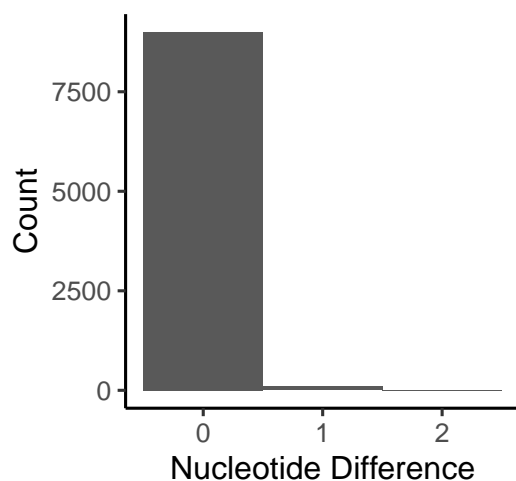
TRBV7–3*ap01

8127 sequences assigned
8053 (99.1%) exact matches, in which:
7934 unique CDR3
13 unique J



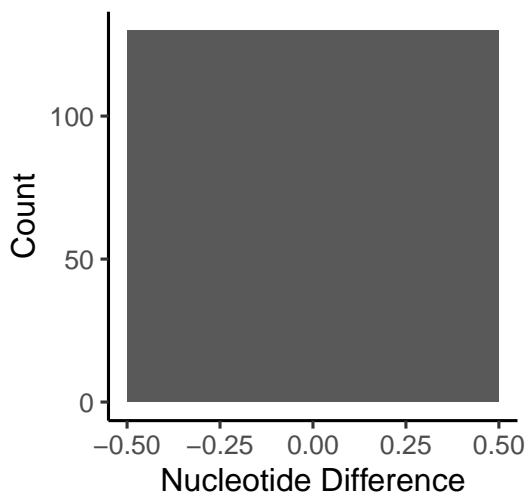
TRBV6–56*ap01

9103 sequences assigned
9000 (98.9%) exact matches, in which:
8781 unique CDR3
13 unique J



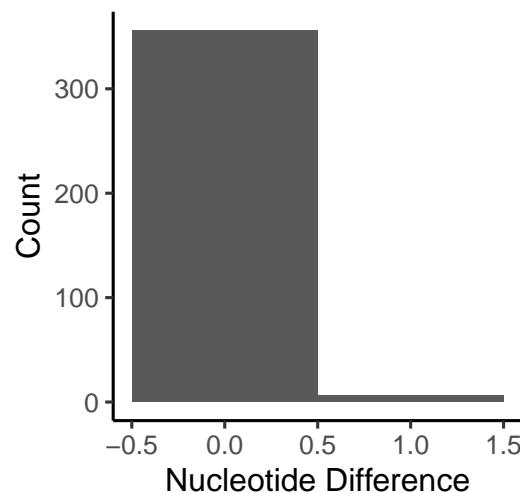
TRBV7–1*ap01_G291C_

130 sequences assigned
130 (100%) exact matches, in which:
129 unique CDR3
12 unique J



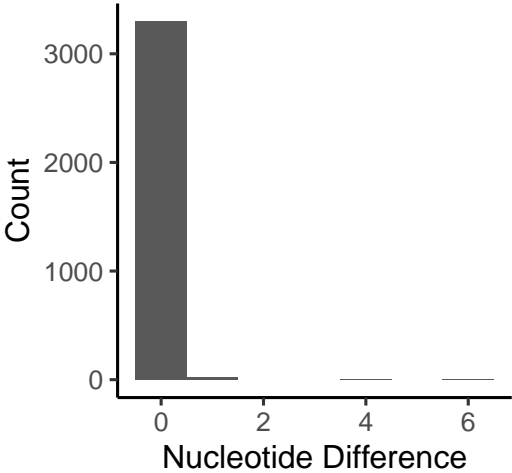
TRBV7–4*ap01

362 sequences assigned
356 (98.3%) exact matches, in which:
346 unique CDR3
13 unique J



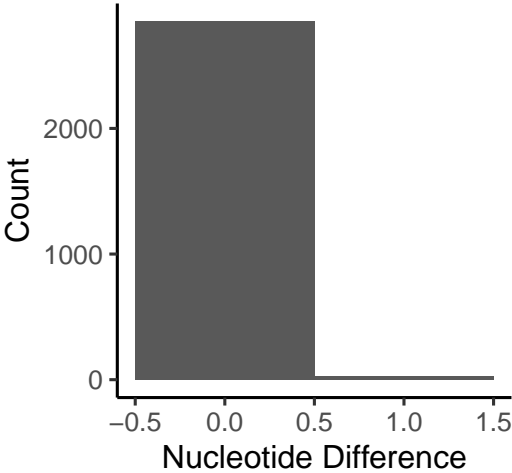
TRBV7-6*ap01

3327 sequences assigned
3298 (99.1%) exact matches, in which:
3246 unique CDR3
13 unique J



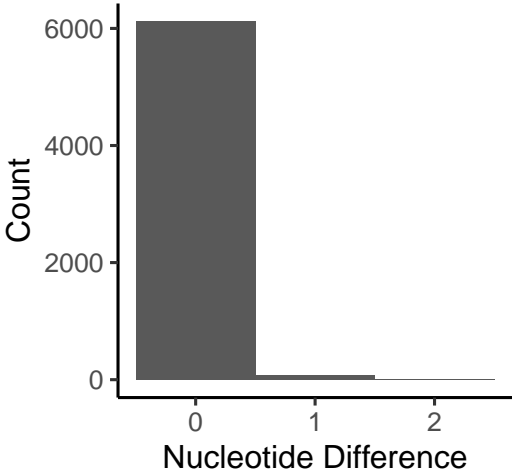
TRBV7-8*ap01

2877 sequences assigned
2852 (99.1%) exact matches, in which:
2788 unique CDR3
13 unique J



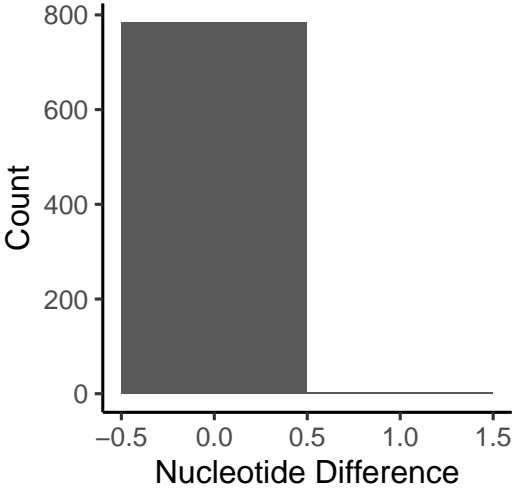
TRBV29-1*ap01

6201 sequences assigned
6120 (98.7%) exact matches, in which:
5992 unique CDR3
13 unique J



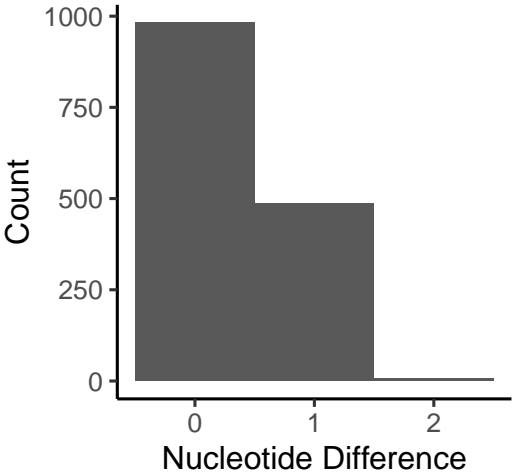
TRBV7-7*ap01

789 sequences assigned
785 (99.5%) exact matches, in which:
770 unique CDR3
13 unique J



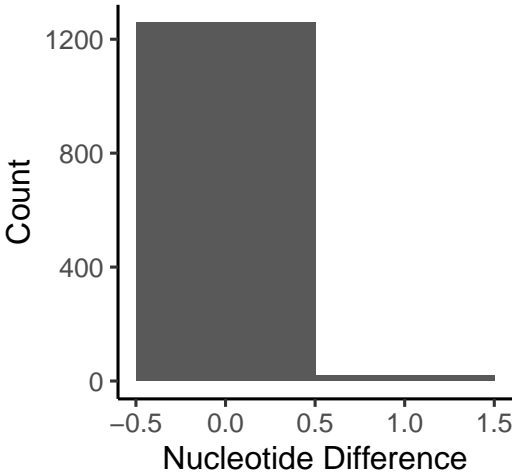
TRBV7-8*ap03

1475 sequences assigned
982 (66.6%) exact matches, in which:
958 unique CDR3
13 unique J



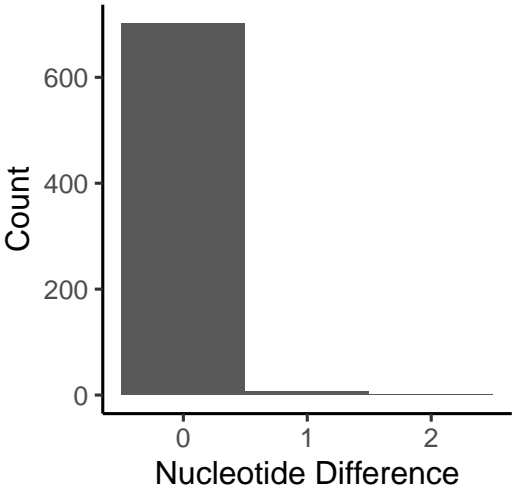
TRBV29-1*ap02

1279 sequences assigned
1258 (98.4%) exact matches, in which:
1226 unique CDR3
13 unique J



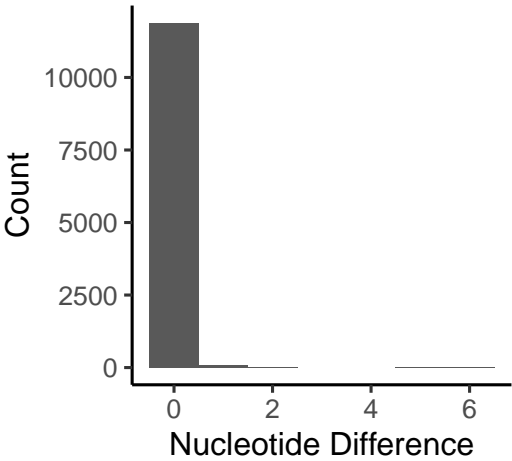
TRBV7-7*ap01_C315T

709 sequences assigned
702 (99%) exact matches, in which:
690 unique CDR3
13 unique J

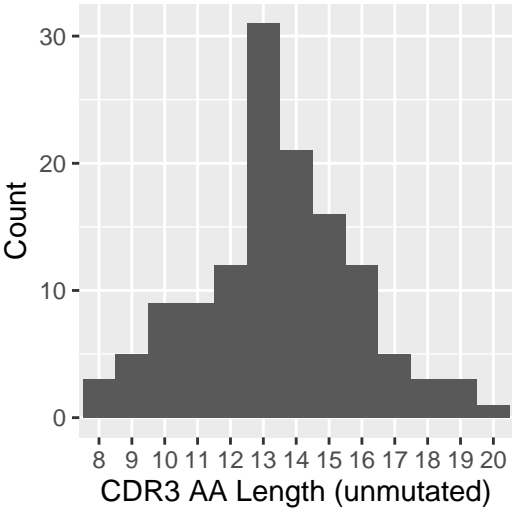


TRBV7-9*ap01

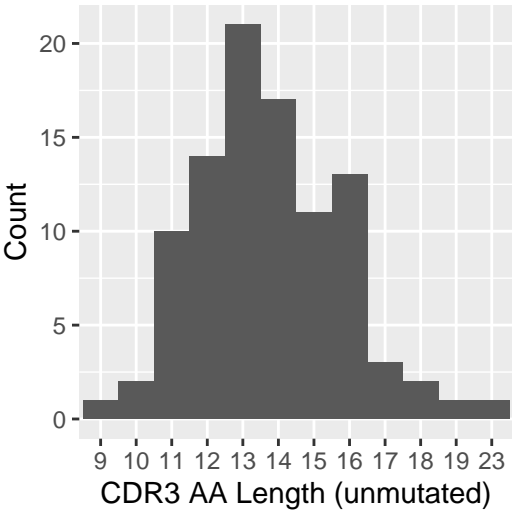
11993 sequences assigned
11885 (99.1%) exact matches, in which:
11691 unique CDR3
13 unique J



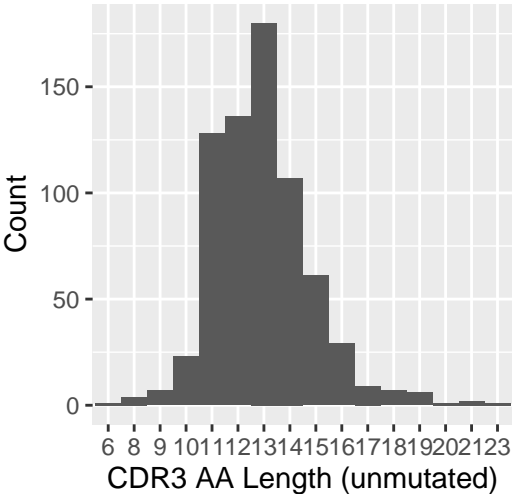
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]