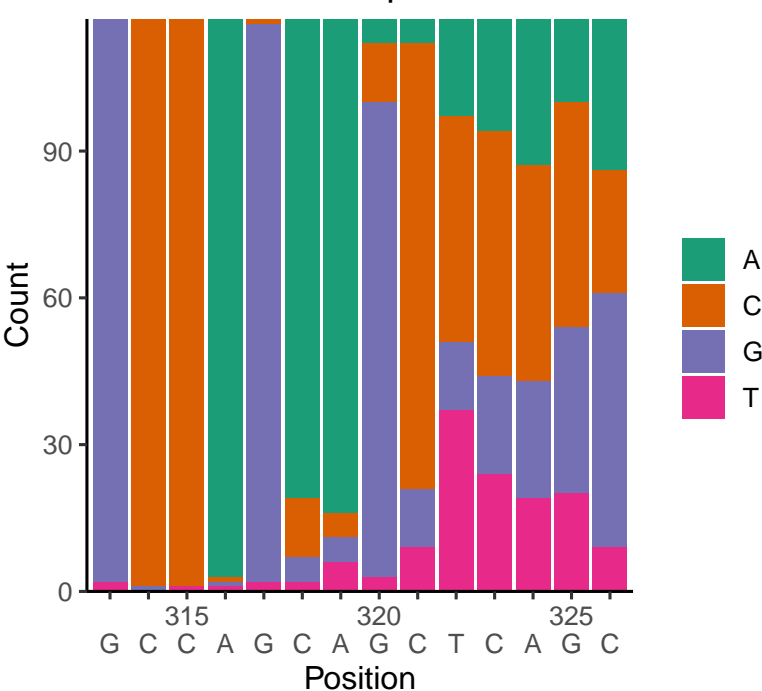
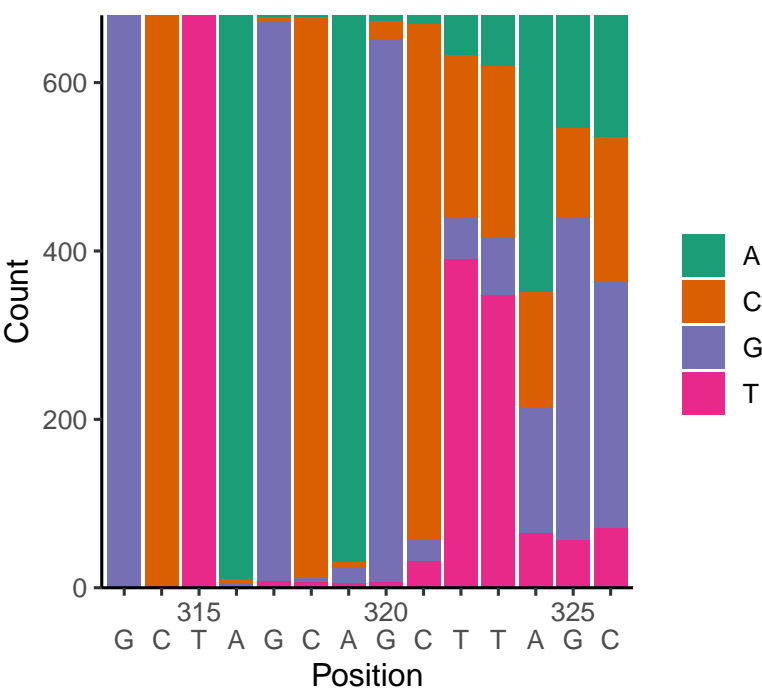


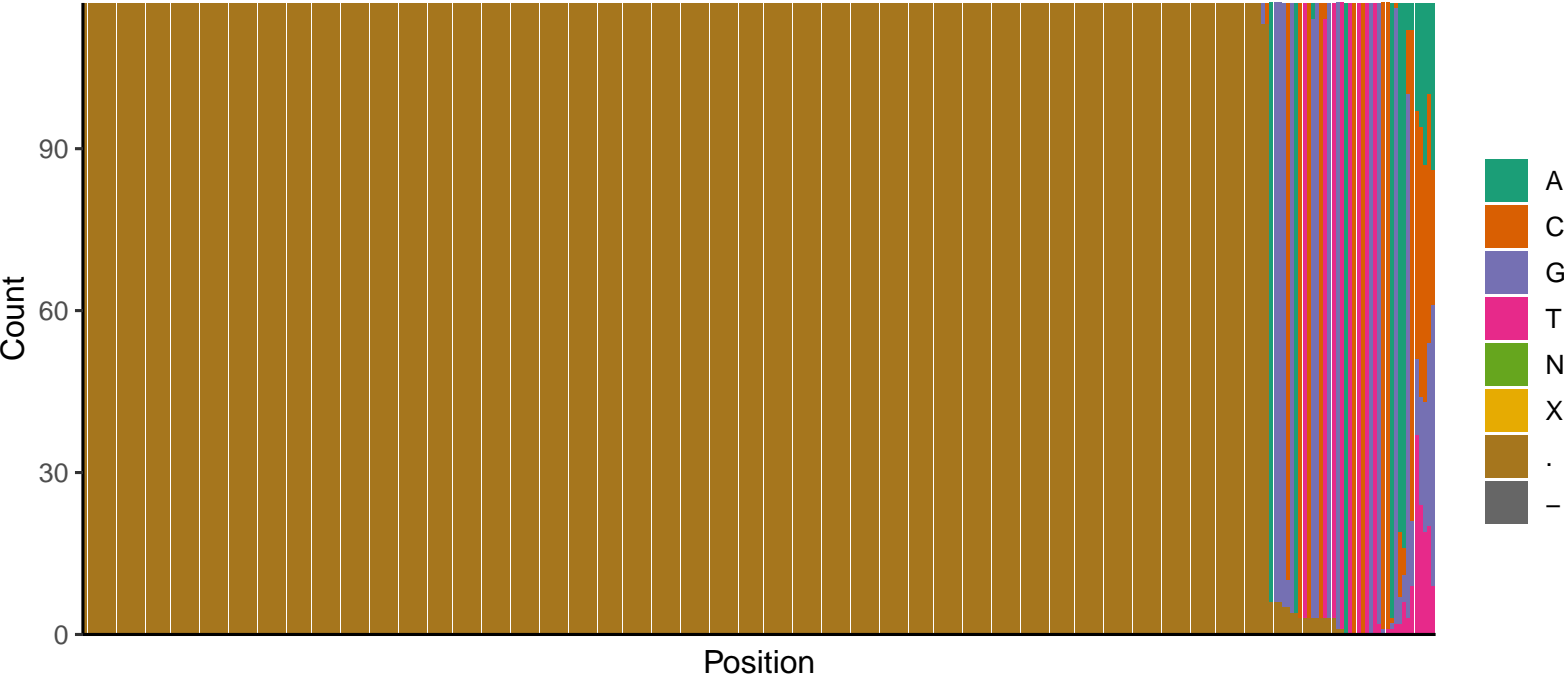
Gene TRBV7-1*ap01_T296C



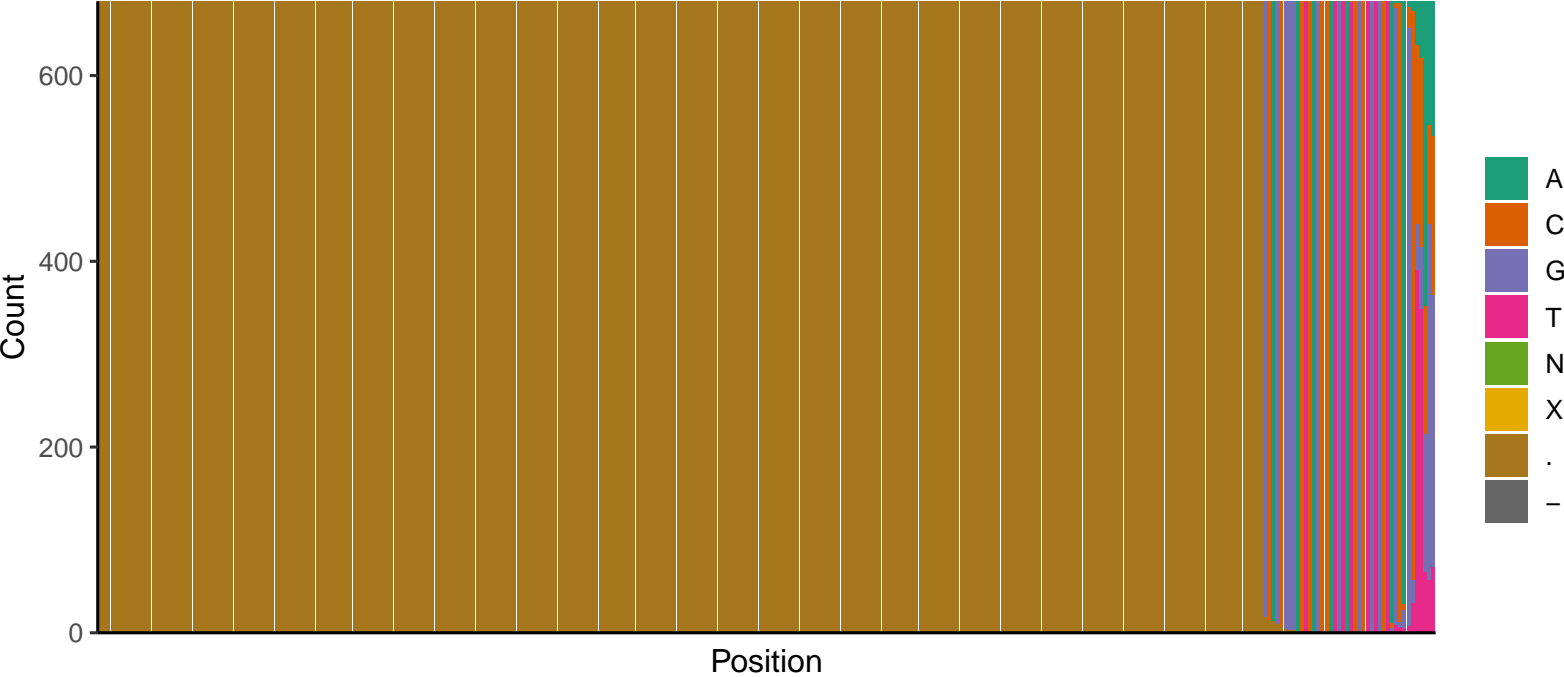
Gene TRBV7-7*ap01_C315T



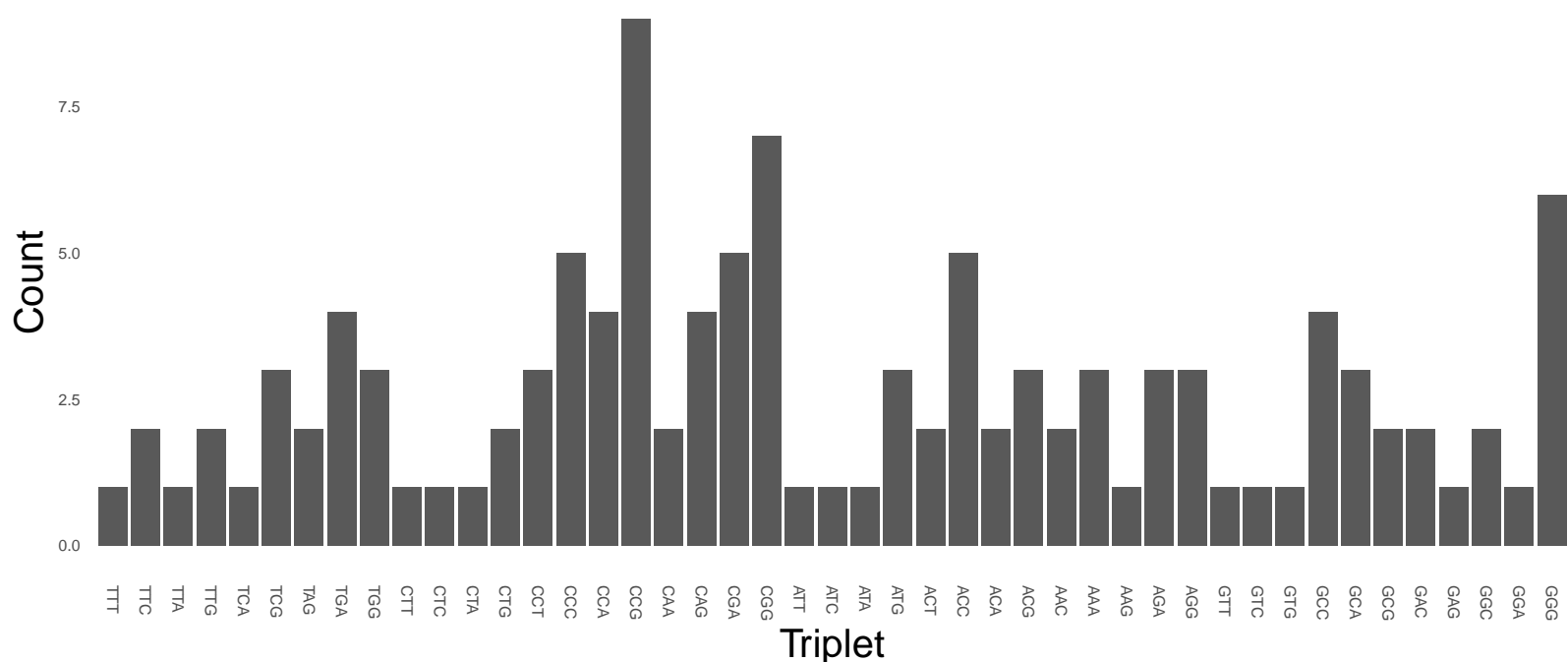
Gene TRBV7-1*ap01_T296C



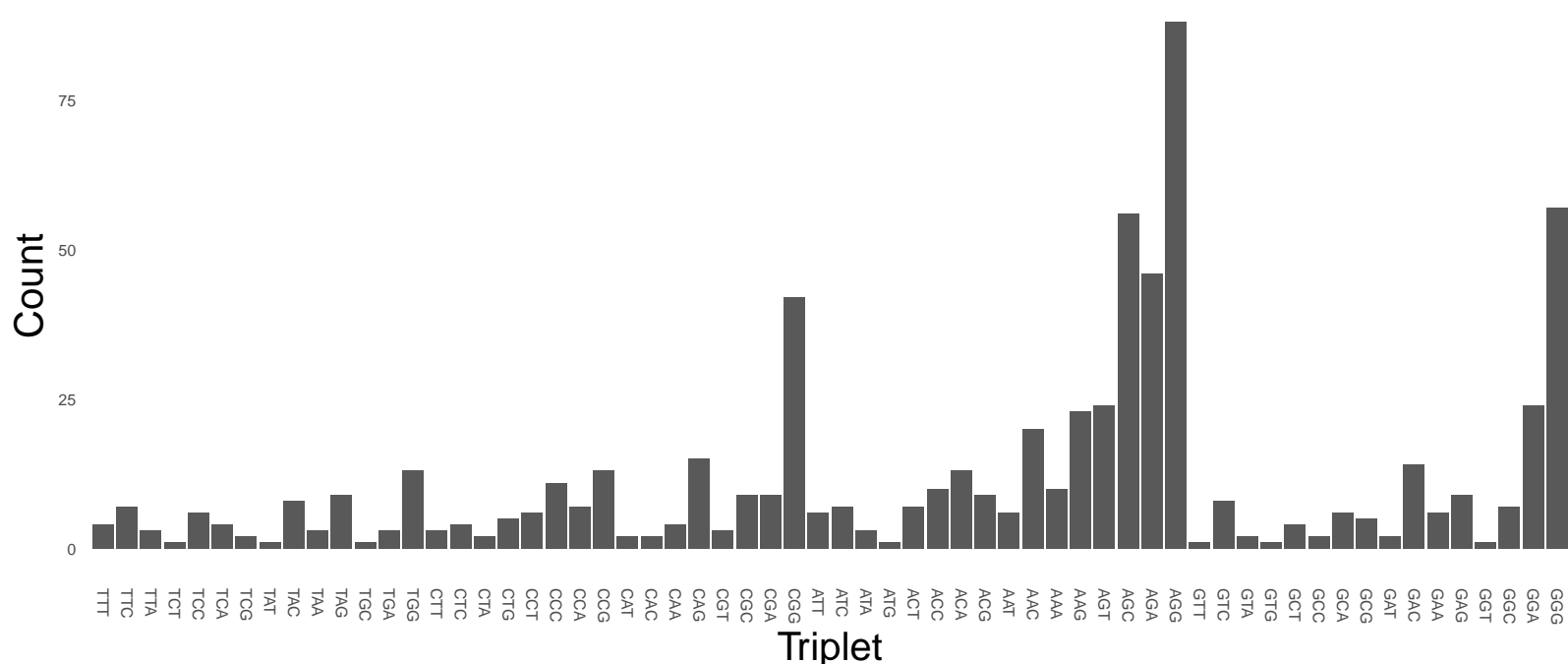
Gene TRBV7-7*ap01_C315T



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

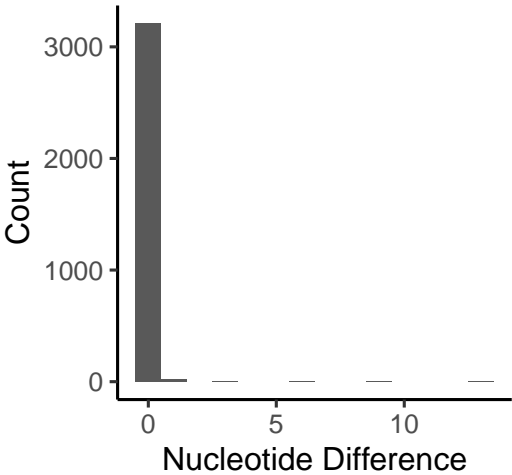


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



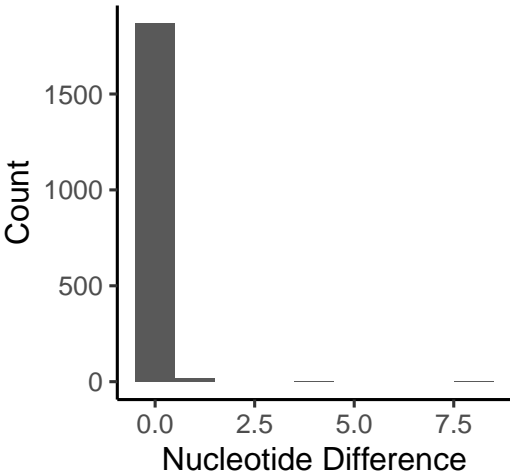
TRBV10-1*ap01

3242 sequences assigned
3210 (99%) exact matches, in which:
3161 unique CDR3
13 unique J



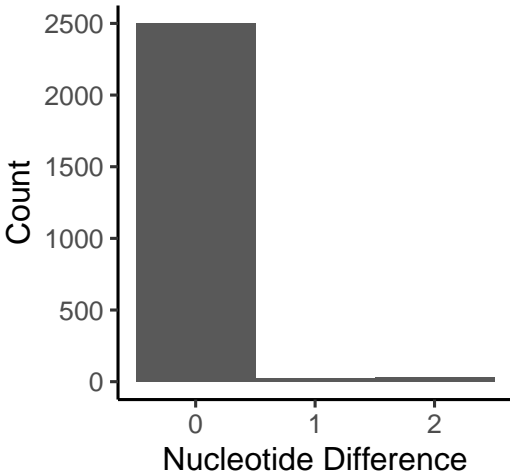
TRBV10-2*ap01

1887 sequences assigned
1868 (99%) exact matches, in which:
1842 unique CDR3
13 unique J



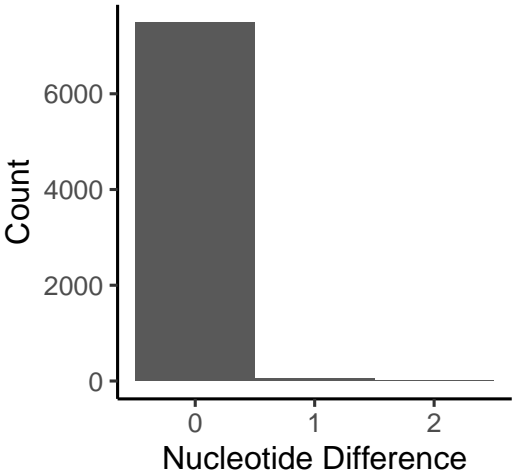
TRBV13*ap01

2557 sequences assigned
2500 (97.8%) exact matches, in which:
2447 unique CDR3
13 unique J



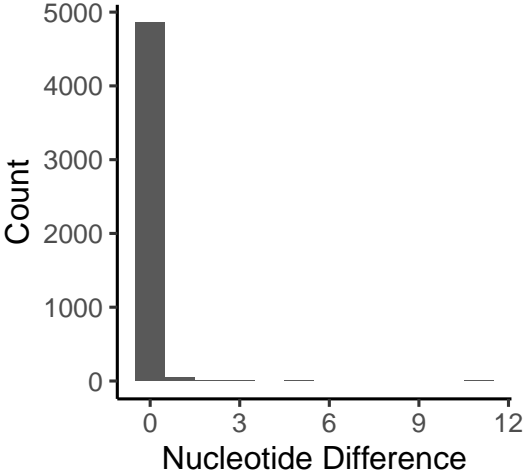
TRBV20-1*ap01

7547 sequences assigned
7484 (99.2%) exact matches, in which:
7400 unique CDR3
13 unique J



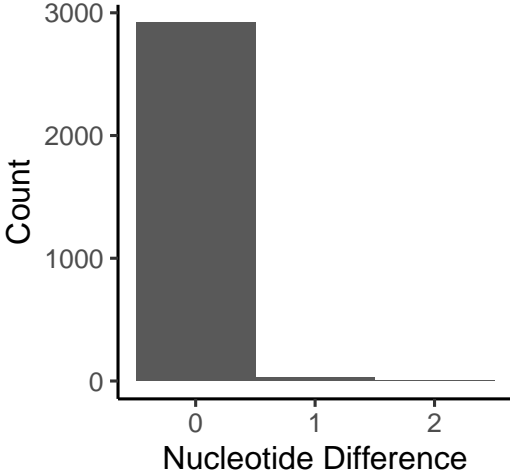
TRBV10-3*ap01

4905 sequences assigned
4856 (99%) exact matches, in which:
4788 unique CDR3
13 unique J



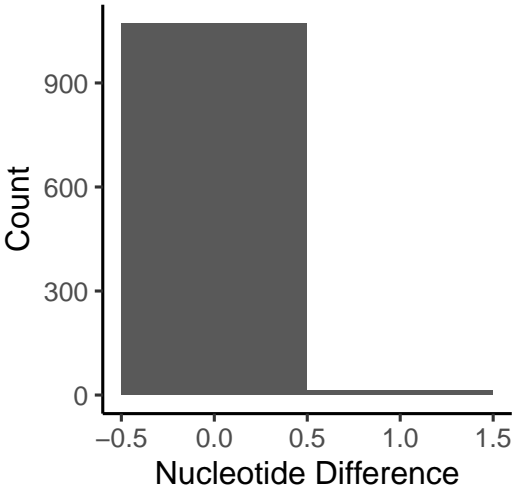
TRBV14*ap01

2950 sequences assigned
2919 (98.9%) exact matches, in which:
2892 unique CDR3
13 unique J



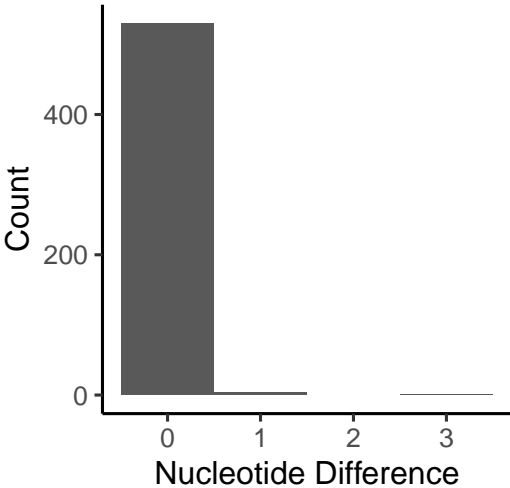
TRBV20-1*ap02

1085 sequences assigned
1072 (98.8%) exact matches, in which:
1058 unique CDR3
13 unique J



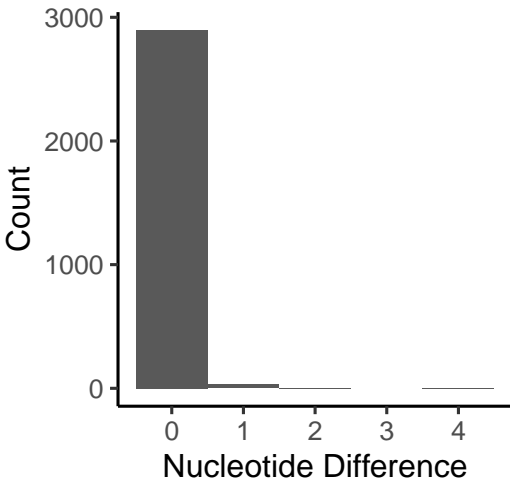
TRBV1*ap01

535 sequences assigned
530 (99.1%) exact matches, in which:
516 unique CDR3
13 unique J



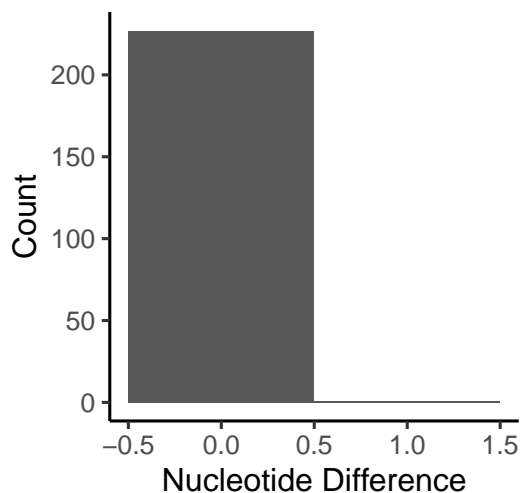
TRBV15*ap02

2929 sequences assigned
2897 (98.9%) exact matches, in which:
2840 unique CDR3
13 unique J



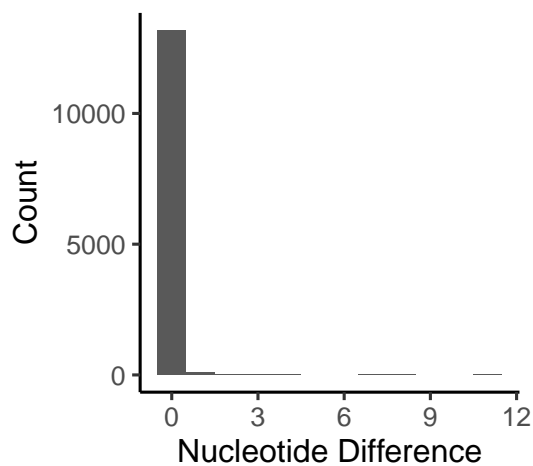
TRBV16*ap01

228 sequences assigned
227 (99.6%) exact matches, in which:
226 unique CDR3
13 unique J



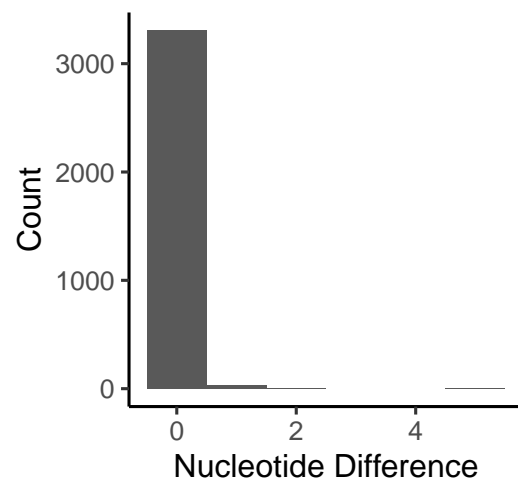
TRBV19*ap01

13303 sequences assigned
13185 (99.1%) exact matches, in which:
13061 unique CDR3
13 unique J



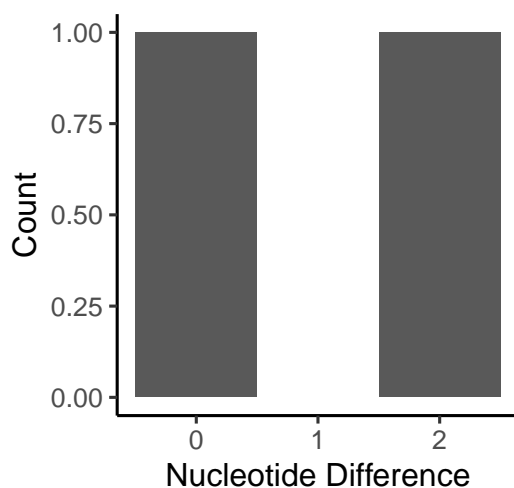
TRBV28*ap01

3340 sequences assigned
3307 (99%) exact matches, in which:
3273 unique CDR3
13 unique J



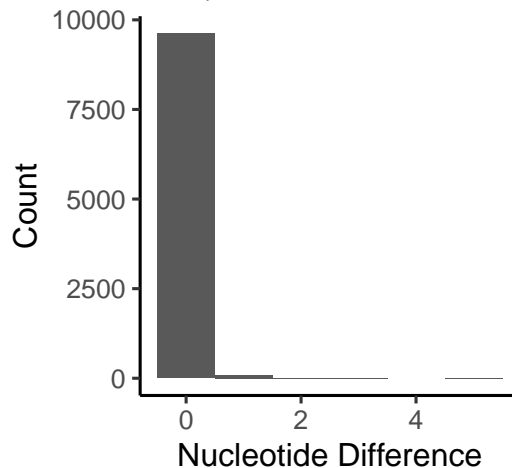
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



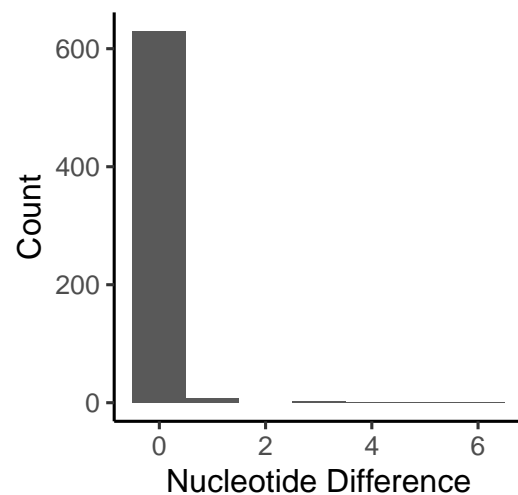
TRBV2*ap01

9717 sequences assigned
9620 (99%) exact matches, in which:
9475 unique CDR3
13 unique J



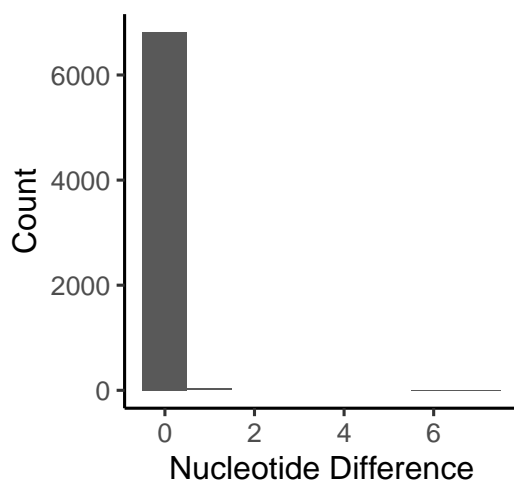
TRBV30*ap02

643 sequences assigned
630 (98%) exact matches, in which:
616 unique CDR3
13 unique J



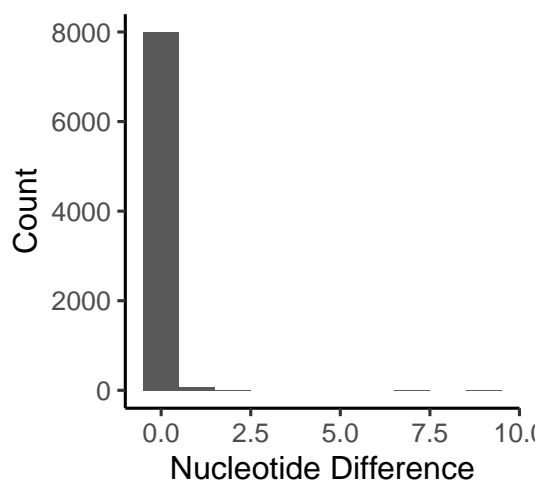
TRBV18*ap01

6856 sequences assigned
6817 (99.4%) exact matches, in which:
6754 unique CDR3
13 unique J



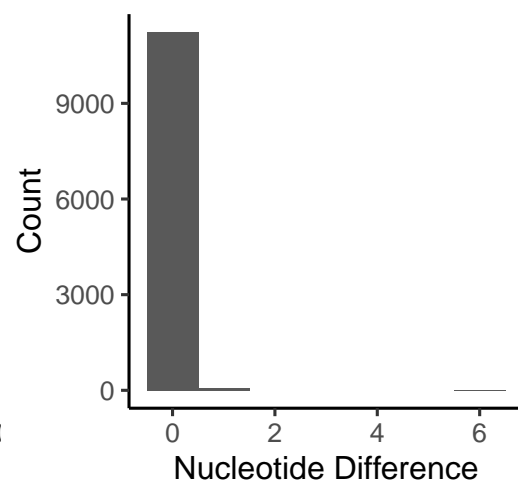
TRBV27*ap01

8072 sequences assigned
7998 (99.1%) exact matches, in which:
7879 unique CDR3
13 unique J



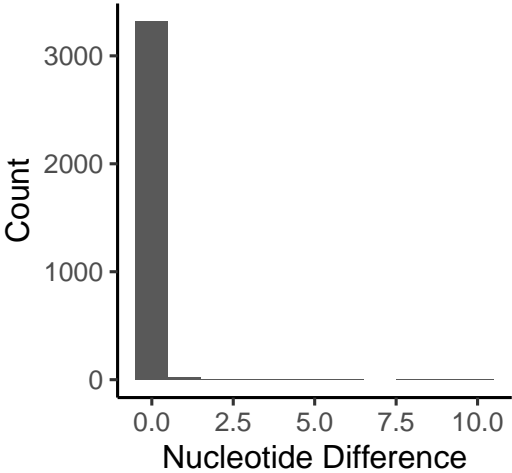
TRBV9*ap01

11311 sequences assigned
11236 (99.3%) exact matches, in which:
11089 unique CDR3
13 unique J



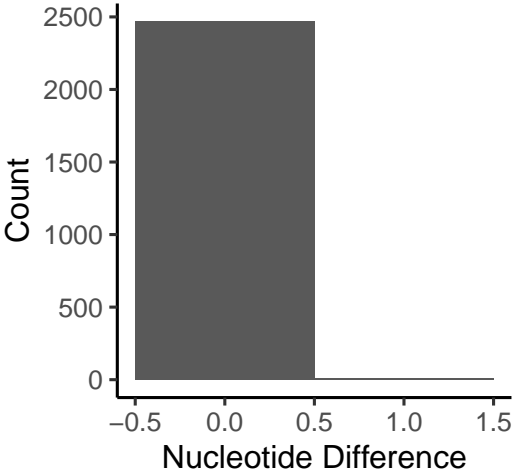
TRBV21-1*ap01

3362 sequences assigned
3319 (98.7%) exact matches, in which:
3285 unique CDR3
13 unique J



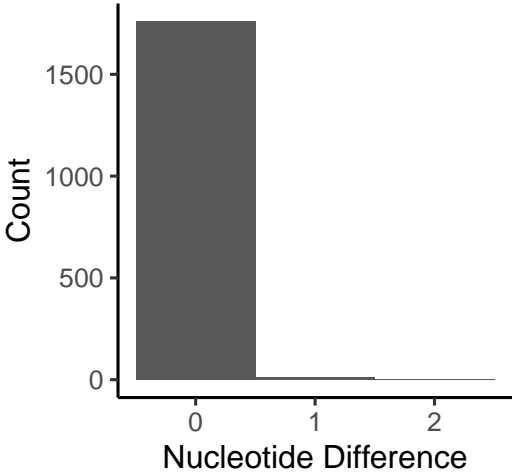
TRBV11-3*ap01

2481 sequences assigned
2469 (99.5%) exact matches, in which:
2449 unique CDR3
13 unique J



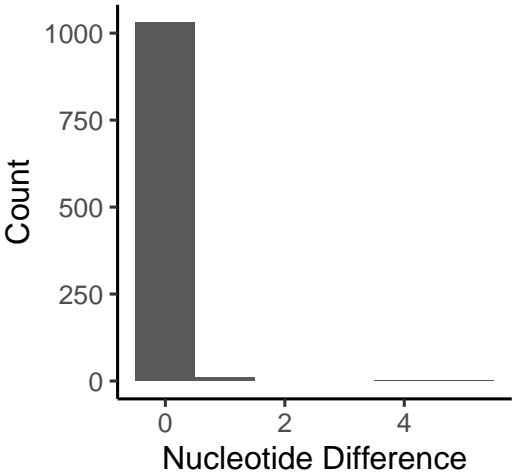
TRBV12-5*ap01

1774 sequences assigned
1760 (99.2%) exact matches, in which:
1743 unique CDR3
13 unique J



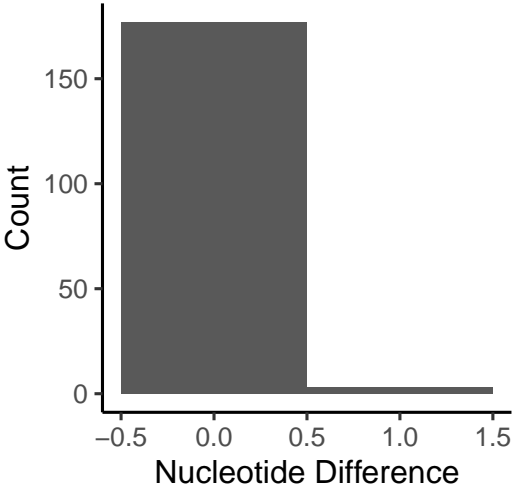
TRBV11-1*ap01

1043 sequences assigned
1030 (98.8%) exact matches, in which:
1024 unique CDR3
13 unique J



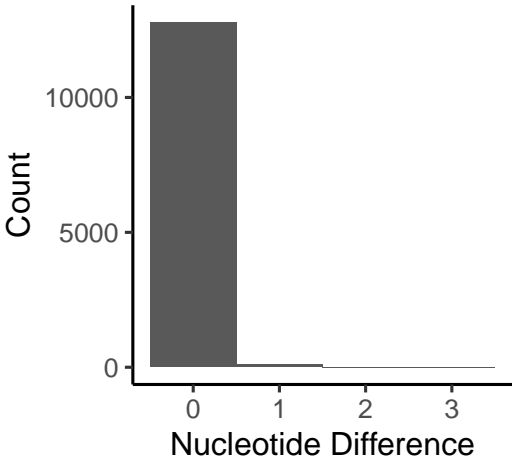
TRBV12-1*ap01

180 sequences assigned
177 (98.3%) exact matches, in which:
177 unique CDR3
13 unique J



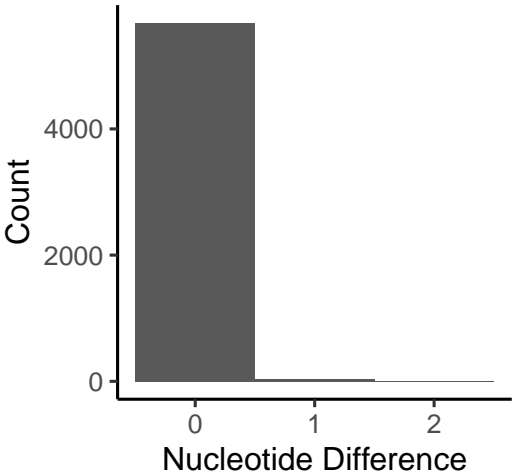
TRBV12-34*ap01

12882 sequences assigned
12779 (99.2%) exact matches, in which:
12608 unique CDR3
13 unique J



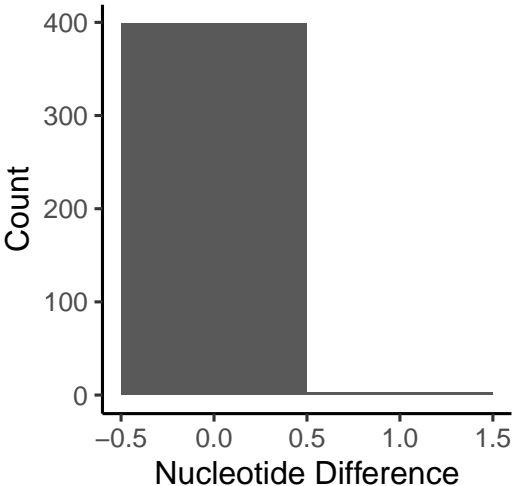
TRBV11-2*ap01

5720 sequences assigned
5678 (99.3%) exact matches, in which:
5629 unique CDR3
13 unique J



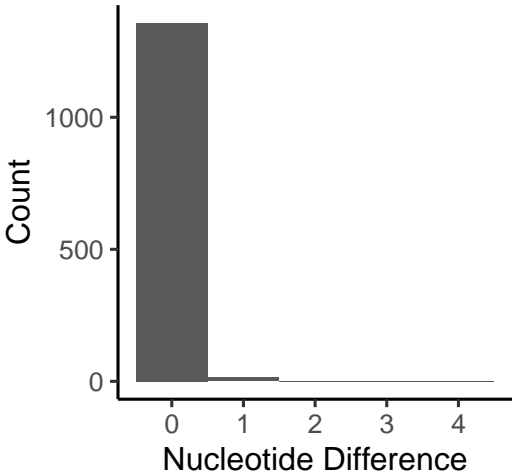
TRBV12-2*ap01

402 sequences assigned
399 (99.3%) exact matches, in which:
394 unique CDR3
13 unique J



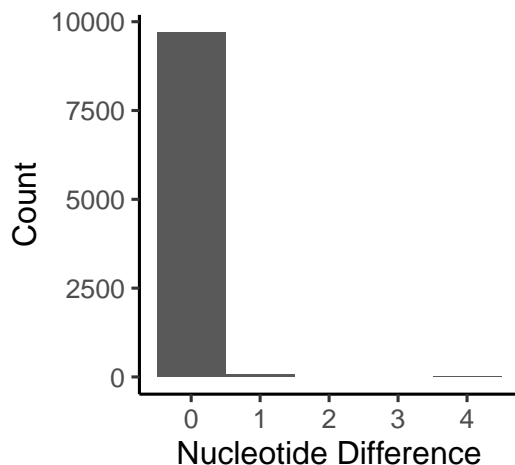
TRBV23-1*ap01

1375 sequences assigned
1357 (98.7%) exact matches, in which:
1343 unique CDR3
13 unique J



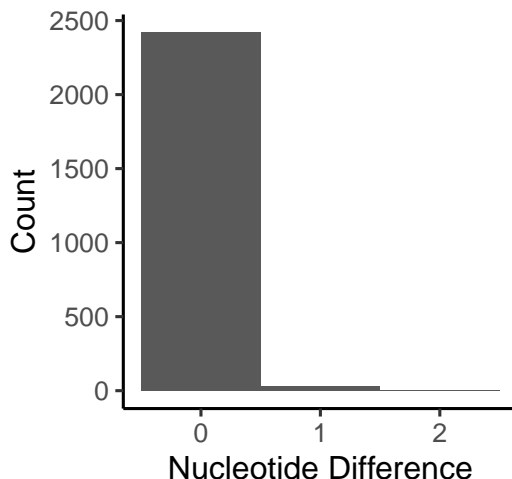
TRBV3–12*ap01

9776 sequences assigned
9706 (99.3%) exact matches, in which:
9624 unique CDR3
13 unique J



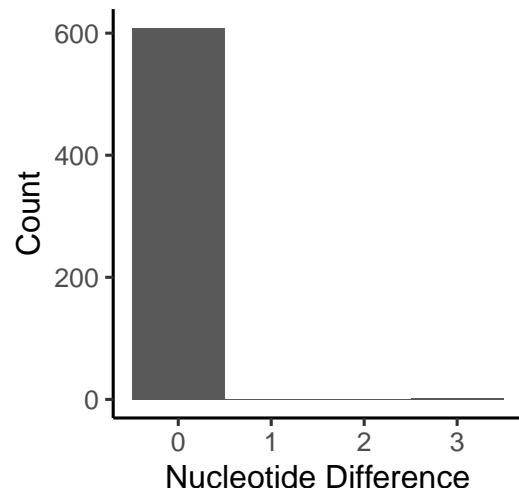
TRBV4–2*ap01

2450 sequences assigned
2420 (98.8%) exact matches, in which:
2382 unique CDR3
14 unique J



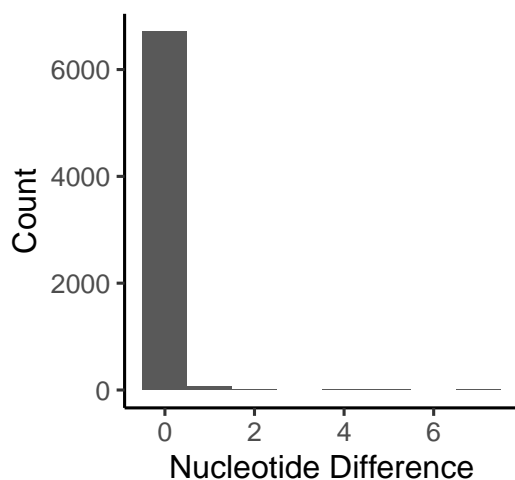
TRBV5–3*ap01

613 sequences assigned
609 (99.3%) exact matches, in which:
600 unique CDR3
13 unique J



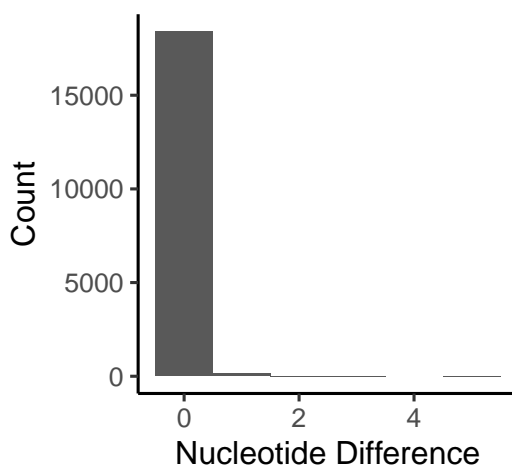
TRBV4–1*ap01

6783 sequences assigned
6708 (98.9%) exact matches, in which:
6561 unique CDR3
13 unique J



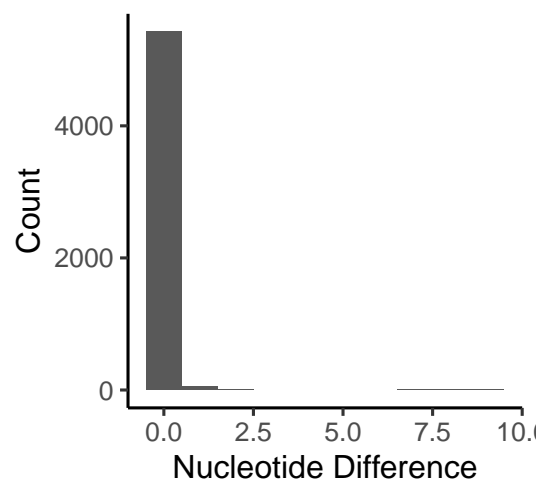
TRBV5–1*ap01

18570 sequences assigned
18404 (99.1%) exact matches, in which:
18072 unique CDR3
13 unique J



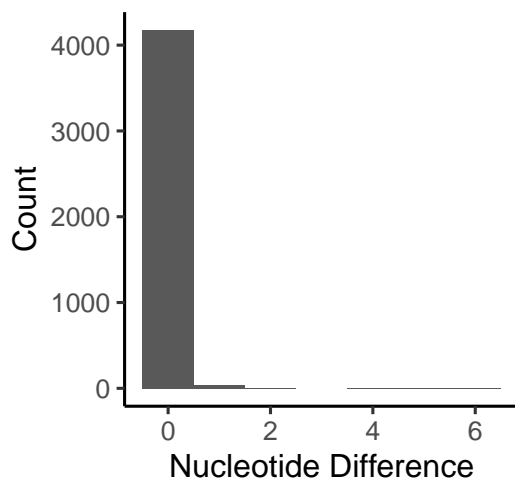
TRBV5–4*ap01

5489 sequences assigned
5425 (98.8%) exact matches, in which:
5318 unique CDR3
13 unique J



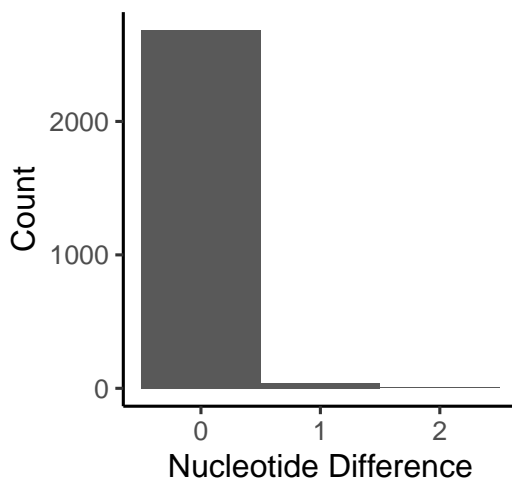
TRBV24–1*ap01

4218 sequences assigned
4176 (99%) exact matches, in which:
4117 unique CDR3
13 unique J



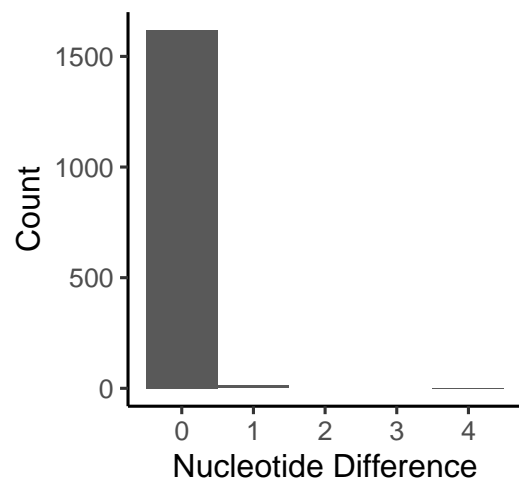
TRBV25–1*ap01

2732 sequences assigned
2685 (98.3%) exact matches, in which:
2622 unique CDR3
13 unique J



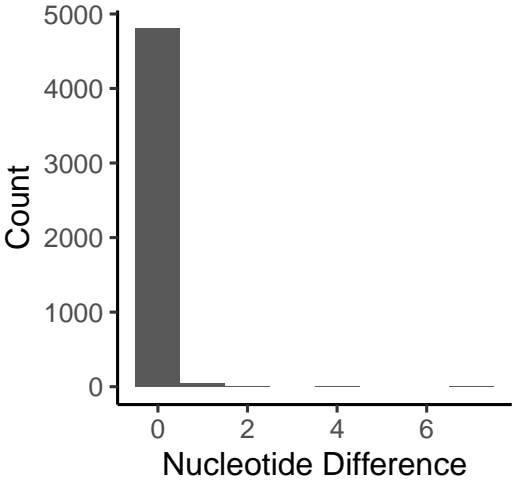
TRBV5–5*ap01

1632 sequences assigned
1619 (99.2%) exact matches, in which:
1610 unique CDR3
13 unique J



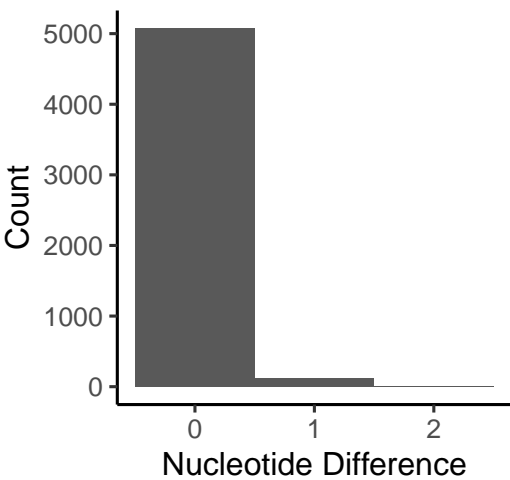
TRBV5-6*ap01

4859 sequences assigned
4806 (98.9%) exact matches, in which:
4678 unique CDR3
13 unique J



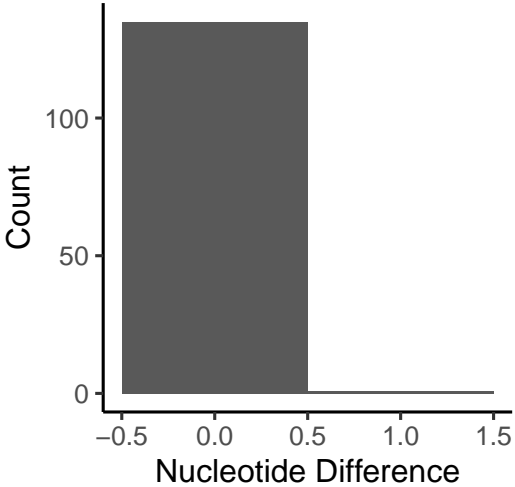
TRBV6-1*ap01

5197 sequences assigned
5074 (97.6%) exact matches, in which:
4960 unique CDR3
13 unique J



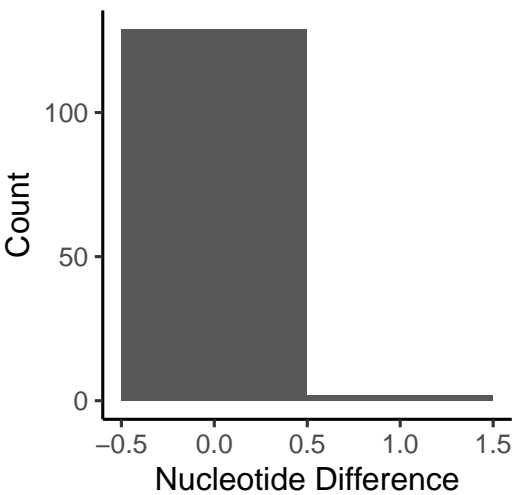
TRBV6-8*ap01

136 sequences assigned
135 (99.3%) exact matches, in which:
134 unique CDR3
13 unique J



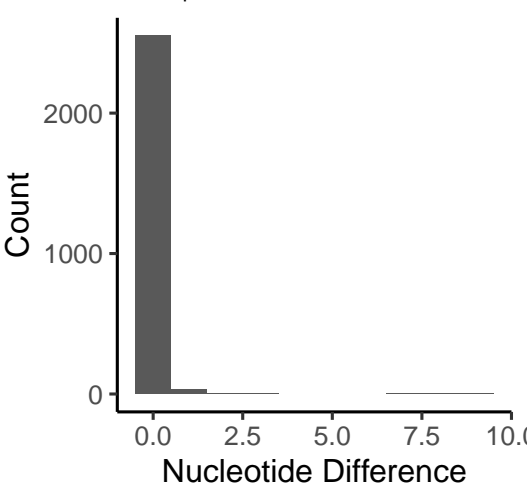
TRBV5-7*ap01

131 sequences assigned
129 (98.5%) exact matches, in which:
128 unique CDR3
13 unique J



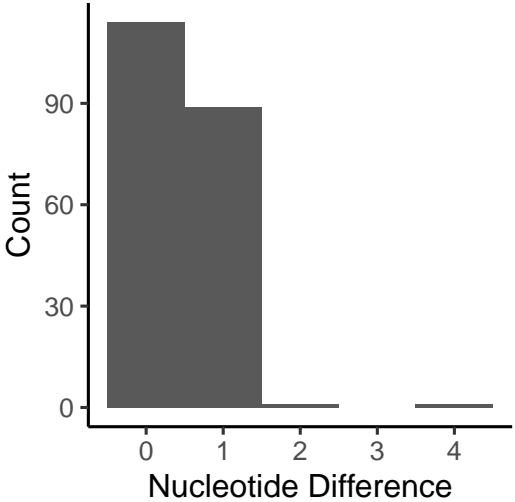
TRBV6-4*ap01

2588 sequences assigned
2551 (98.6%) exact matches, in which:
2520 unique CDR3
13 unique J



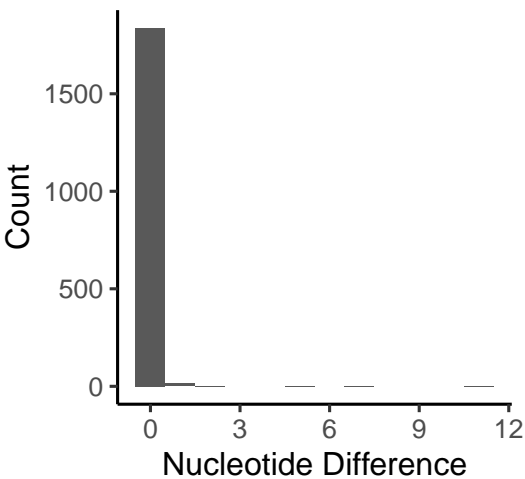
TRBV6-9*ap01

205 sequences assigned
114 (55.6%) exact matches, in which:
113 unique CDR3
12 unique J



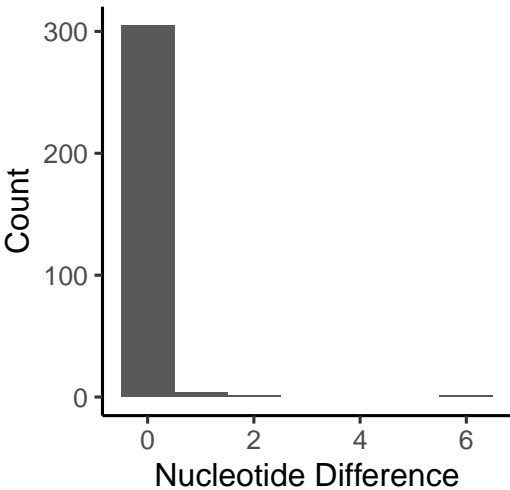
TRBV5-8*ap01

1857 sequences assigned
1837 (98.9%) exact matches, in which:
1808 unique CDR3
13 unique J



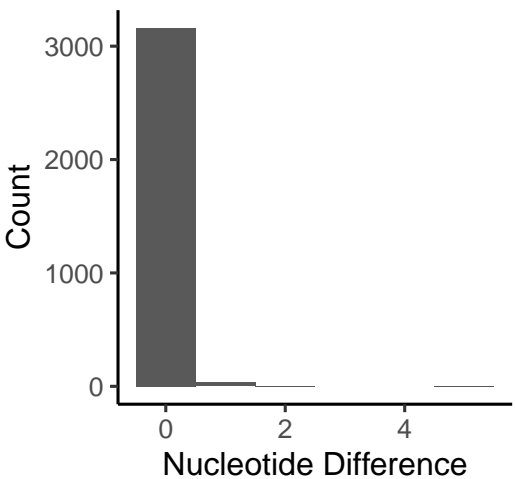
TRBV6-7*ap01

311 sequences assigned
305 (98.1%) exact matches, in which:
295 unique CDR3
13 unique J



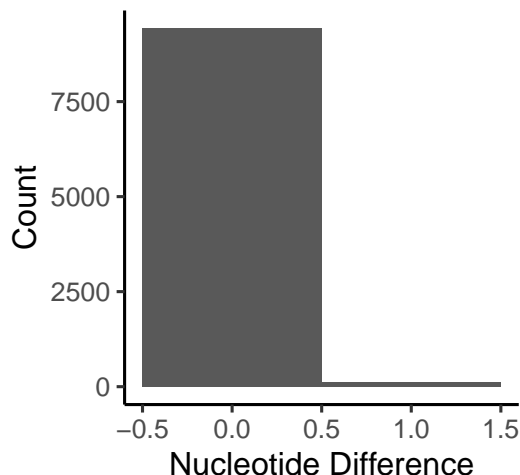
TRBV6-23*ap01

3196 sequences assigned
3160 (98.9%) exact matches, in which:
3080 unique CDR3
13 unique J



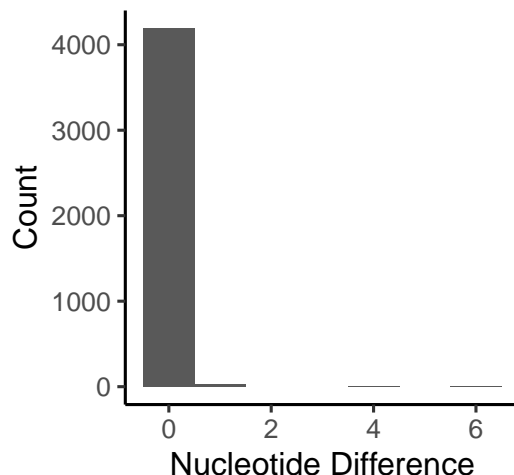
TRBV6-56*ap01

9533 sequences assigned
9426 (98.9%) exact matches, in which:
9192 unique CDR3
13 unique J



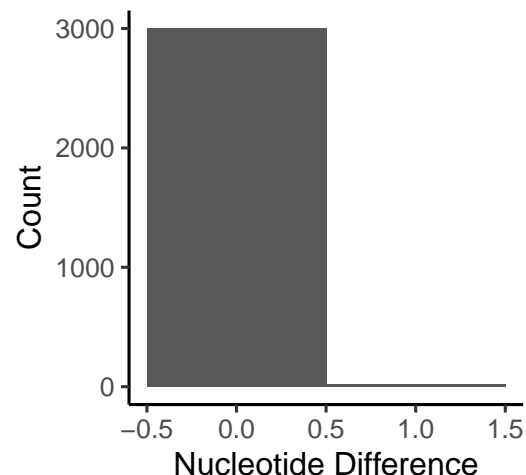
TRBV7-2*ap01

4219 sequences assigned
4191 (99.3%) exact matches, in which:
4147 unique CDR3
13 unique J



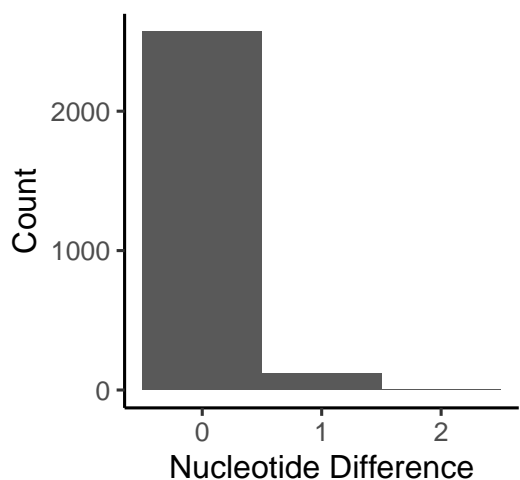
TRBV7-6*ap01

3019 sequences assigned
3001 (99.4%) exact matches, in which:
2962 unique CDR3
13 unique J



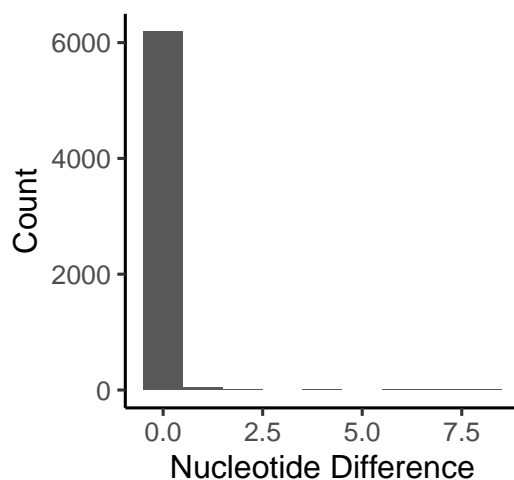
TRBV6-56*ap02

2690 sequences assigned
2570 (95.5%) exact matches, in which:
2498 unique CDR3
13 unique J



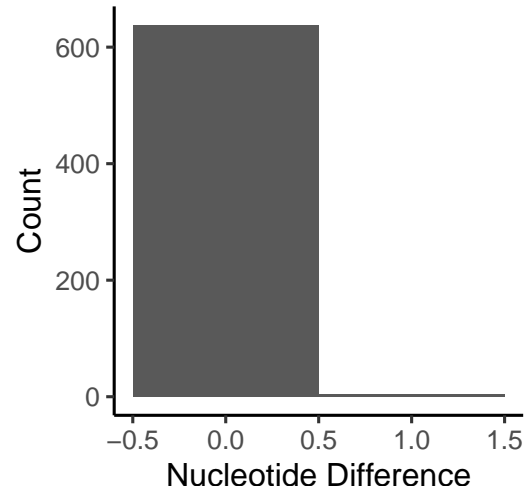
TRBV7-3*ap01

6230 sequences assigned
6188 (99.3%) exact matches, in which:
6137 unique CDR3
13 unique J



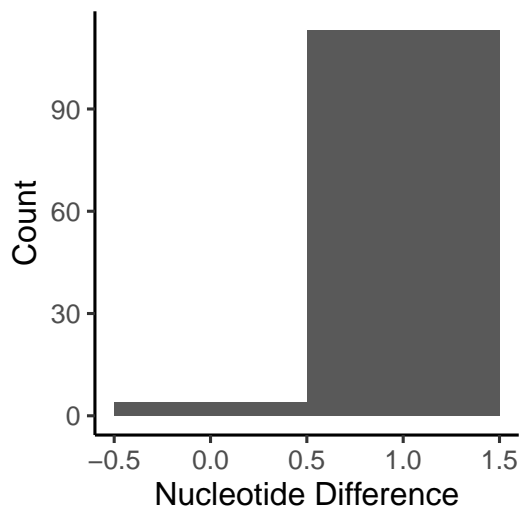
TRBV7-7*ap01

642 sequences assigned
638 (99.4%) exact matches, in which:
629 unique CDR3
13 unique J



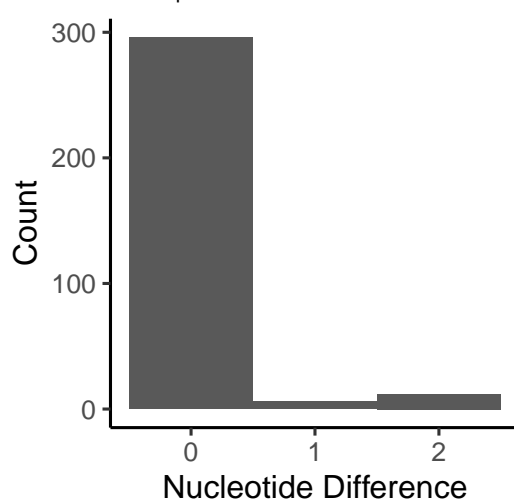
TRBV7-1*ap01_T296C

117 sequences assigned
4 (3.4%) exact matches, in which:
4 unique CDR3
2 unique J



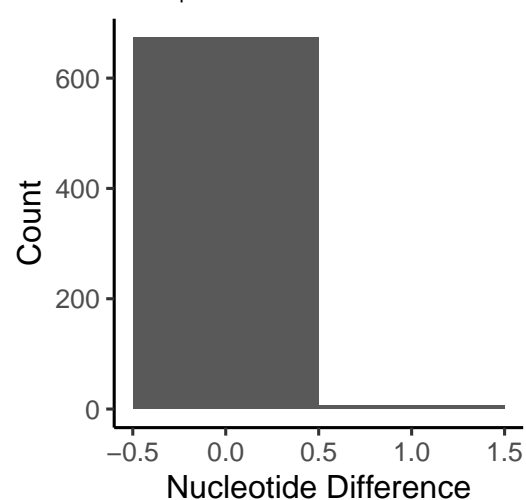
TRBV7-4*ap01

314 sequences assigned
296 (94.3%) exact matches, in which:
294 unique CDR3
13 unique J



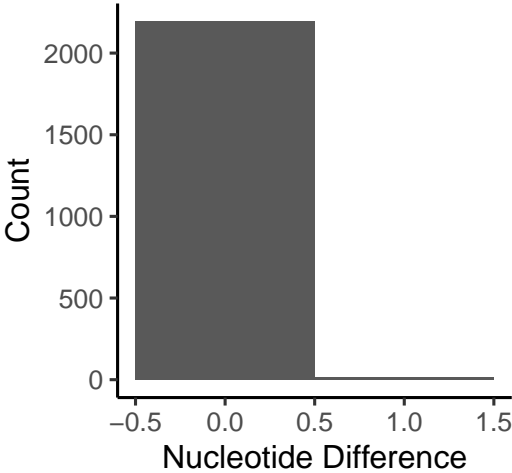
TRBV7-7*ap01_C315T

680 sequences assigned
674 (99.1%) exact matches, in which:
666 unique CDR3
13 unique J



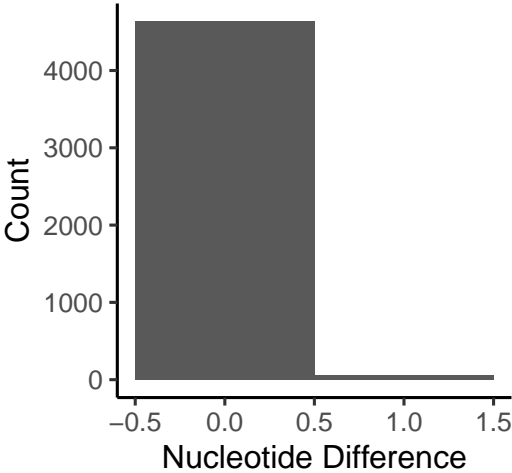
TRBV7-8*ap01

2208 sequences assigned
2194 (99.4%) exact matches, in which:
2161 unique CDR3
13 unique J



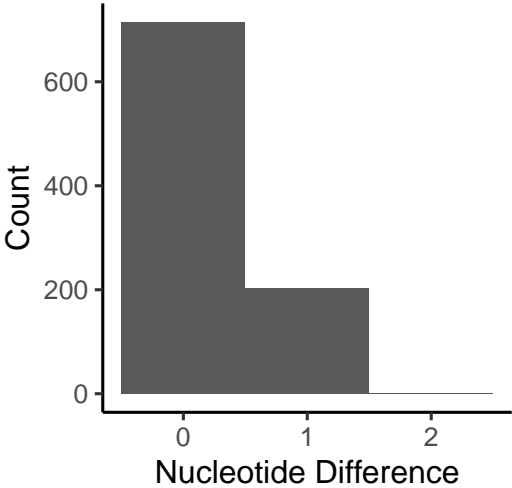
TRBV29-1*ap01

4695 sequences assigned
4635 (98.7%) exact matches, in which:
4532 unique CDR3
13 unique J



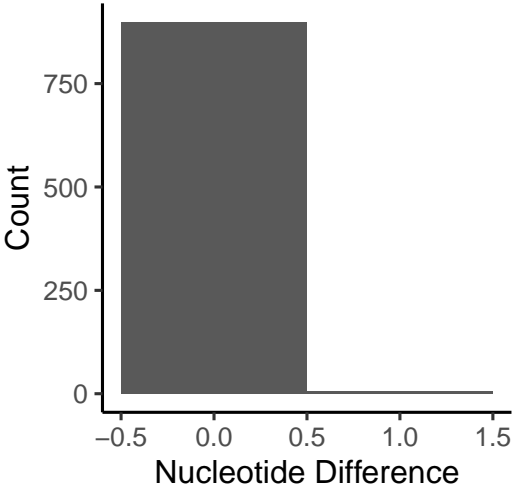
TRBV7-8*ap03

919 sequences assigned
715 (77.8%) exact matches, in which:
705 unique CDR3
13 unique J



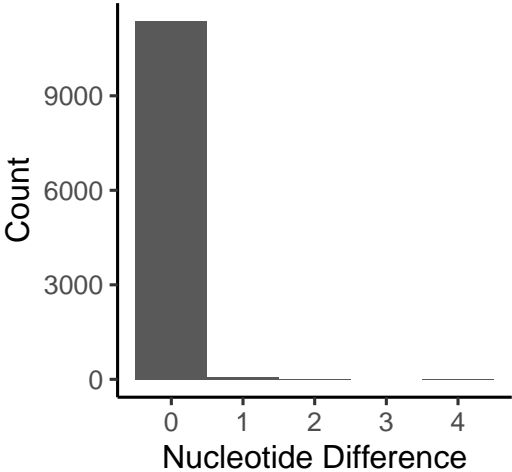
TRBV29-1*ap02

906 sequences assigned
899 (99.2%) exact matches, in which:
883 unique CDR3
13 unique J

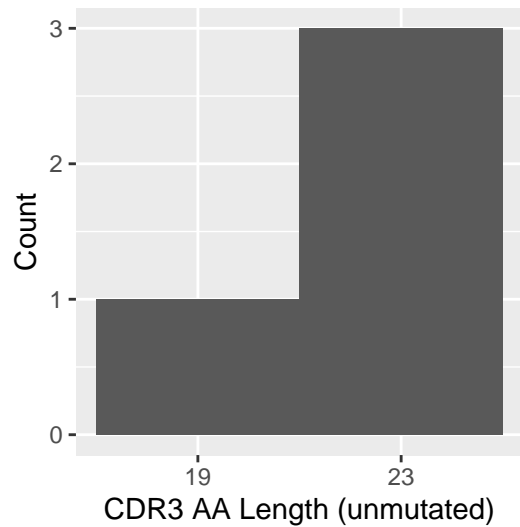


TRBV7-9*ap01

11460 sequences assigned
11373 (99.2%) exact matches, in which:
11233 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

