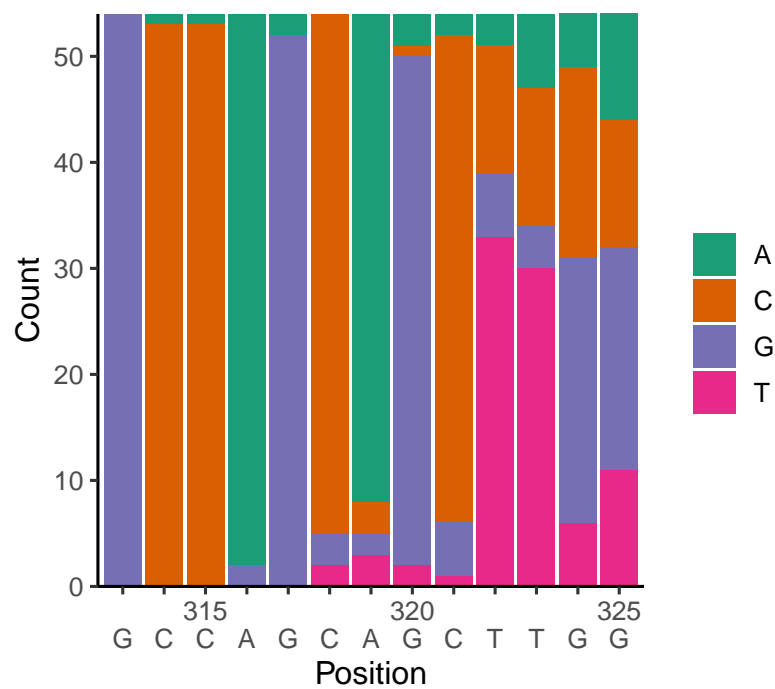
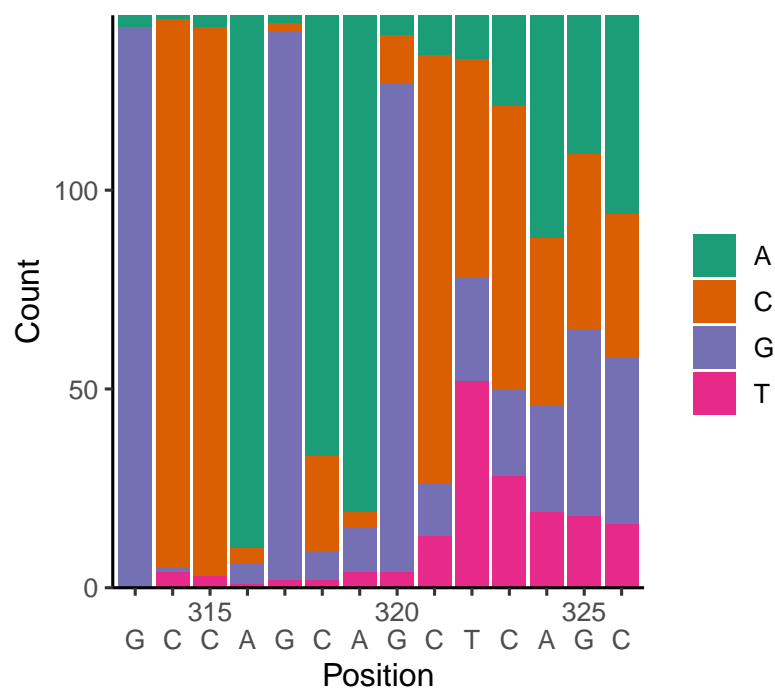


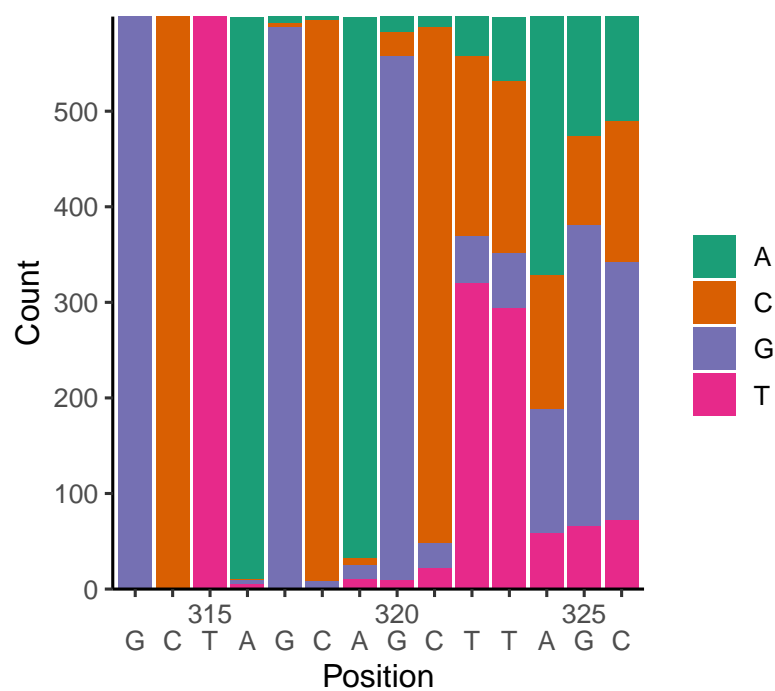
Gene TRBV5-7*ap01_G290A



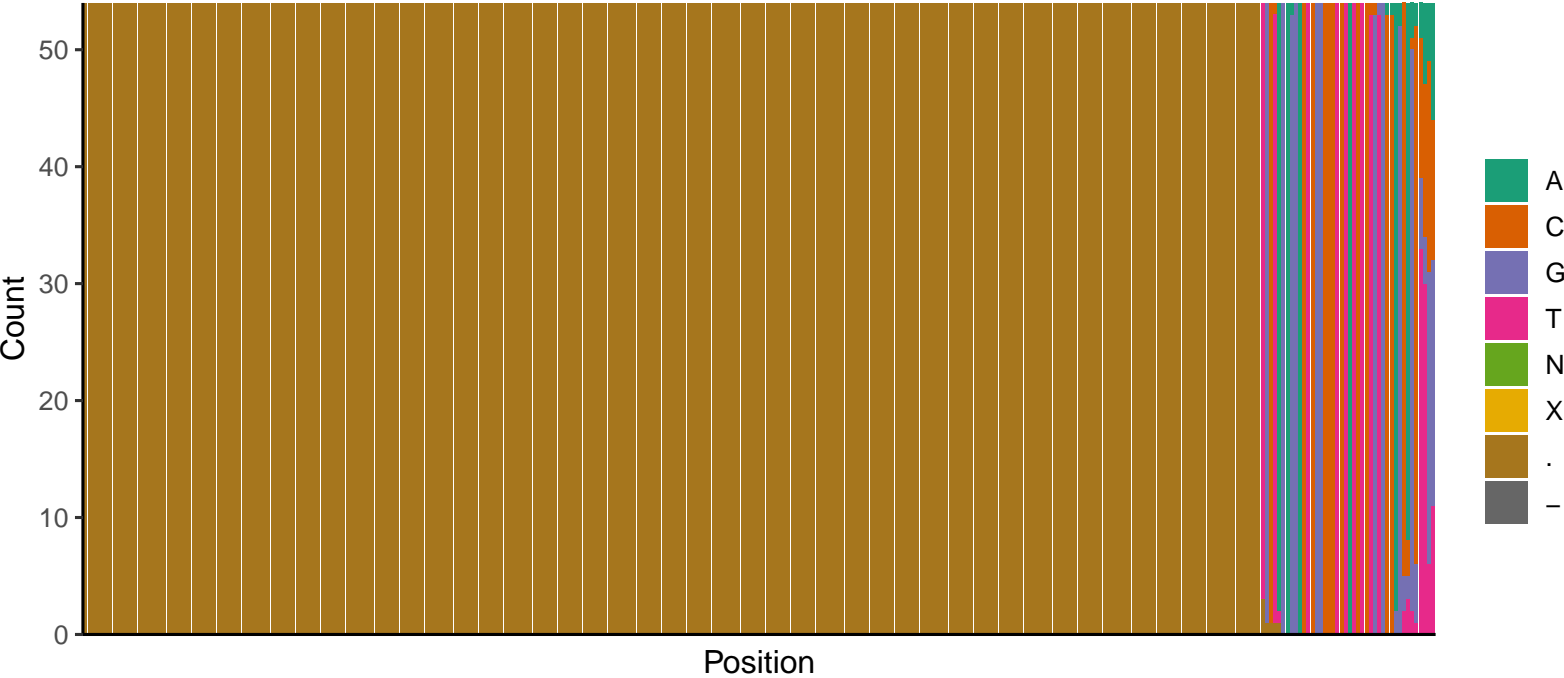
Gene TRBV7-1*ap01_T296C



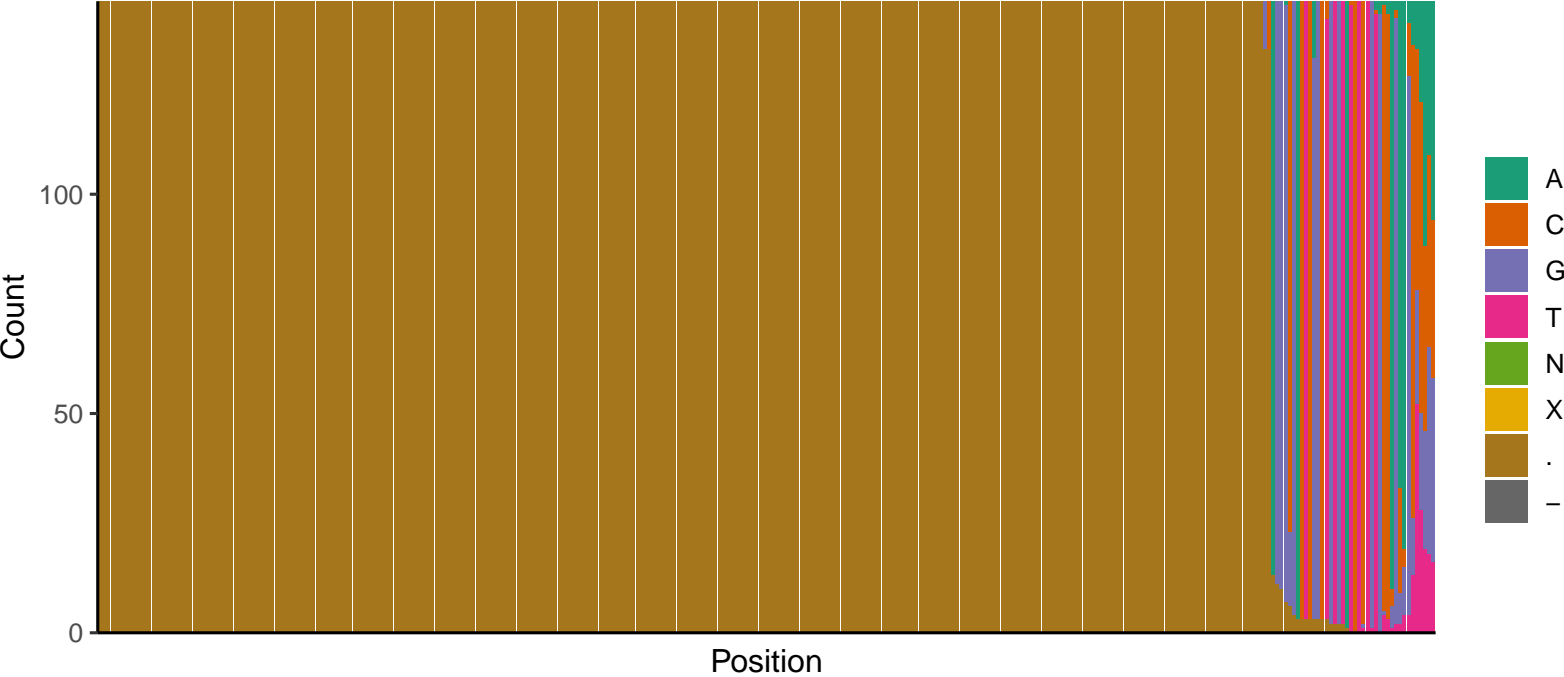
Gene TRBV7-7*ap01_C315T



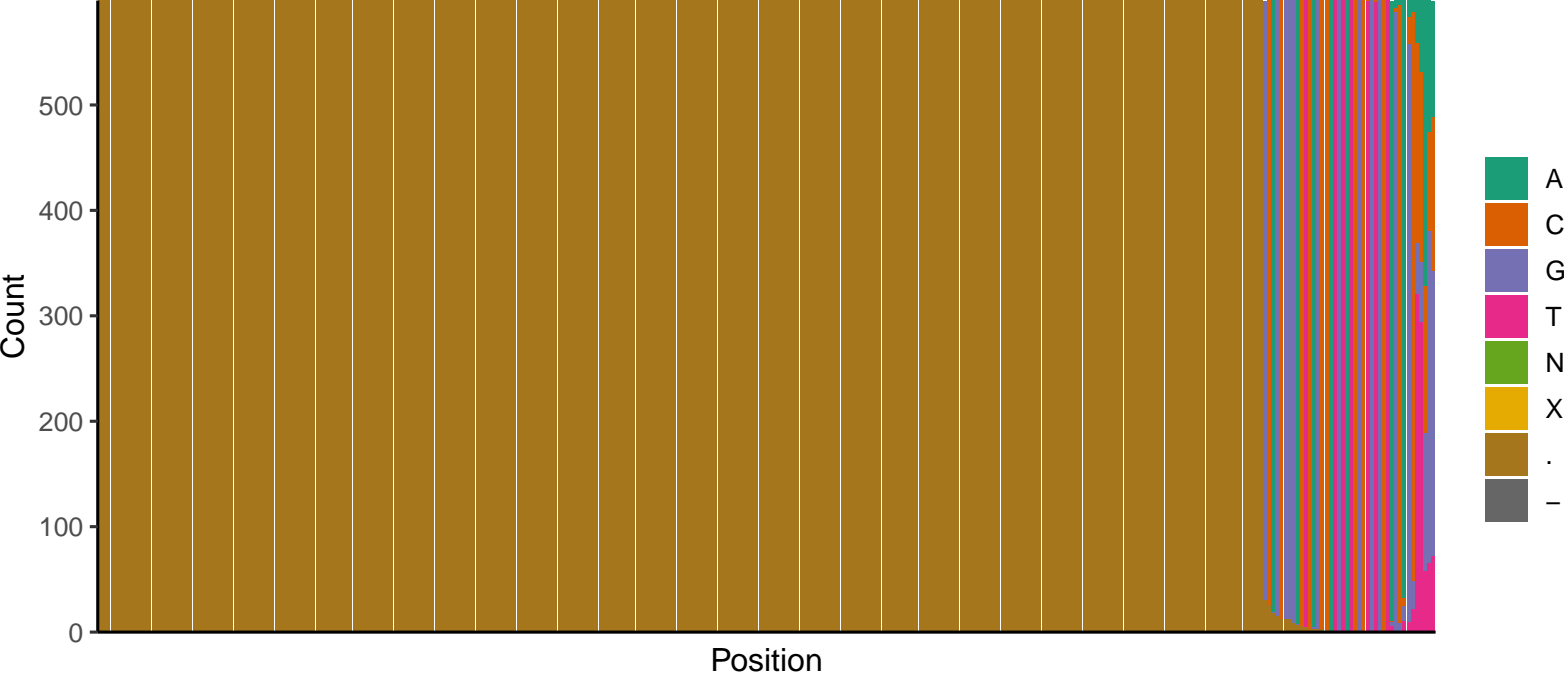
Gene TRBV5-7*ap01_G290A



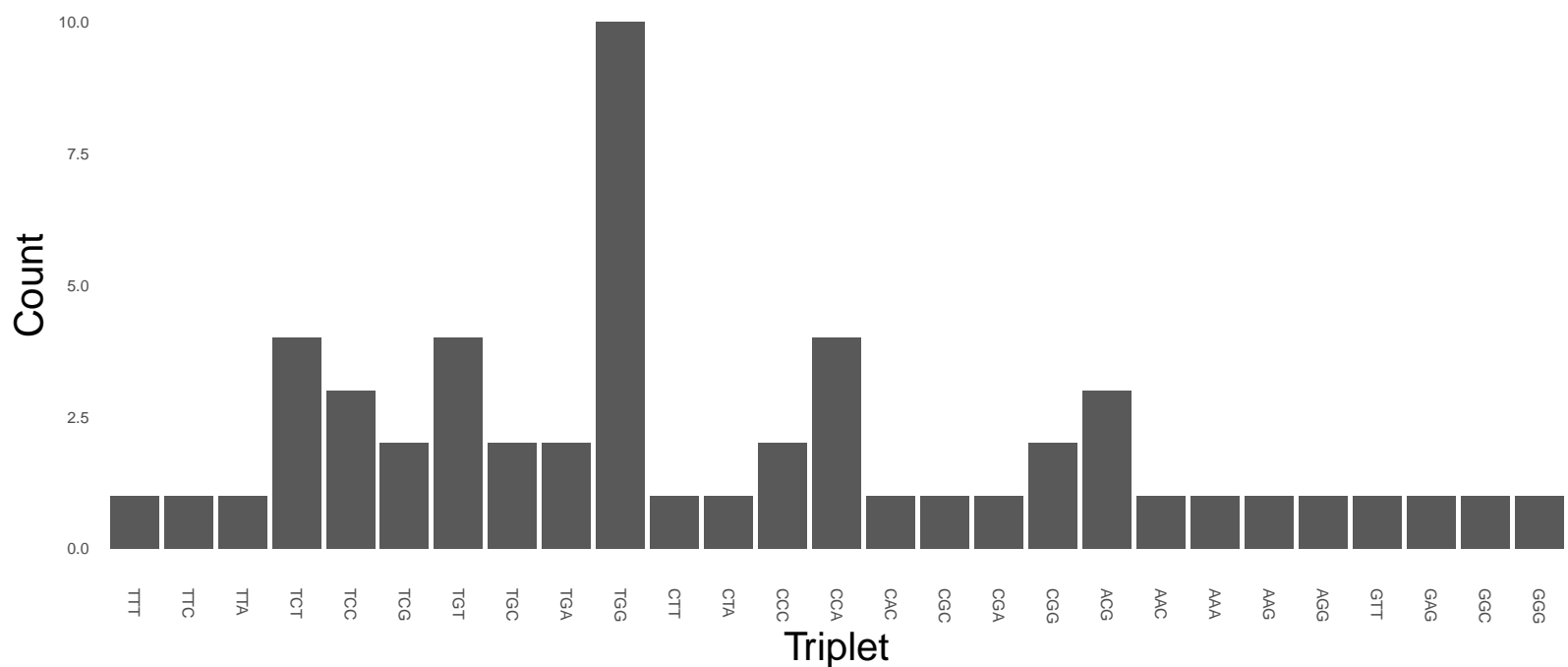
Gene TRBV7-1*ap01_T296C



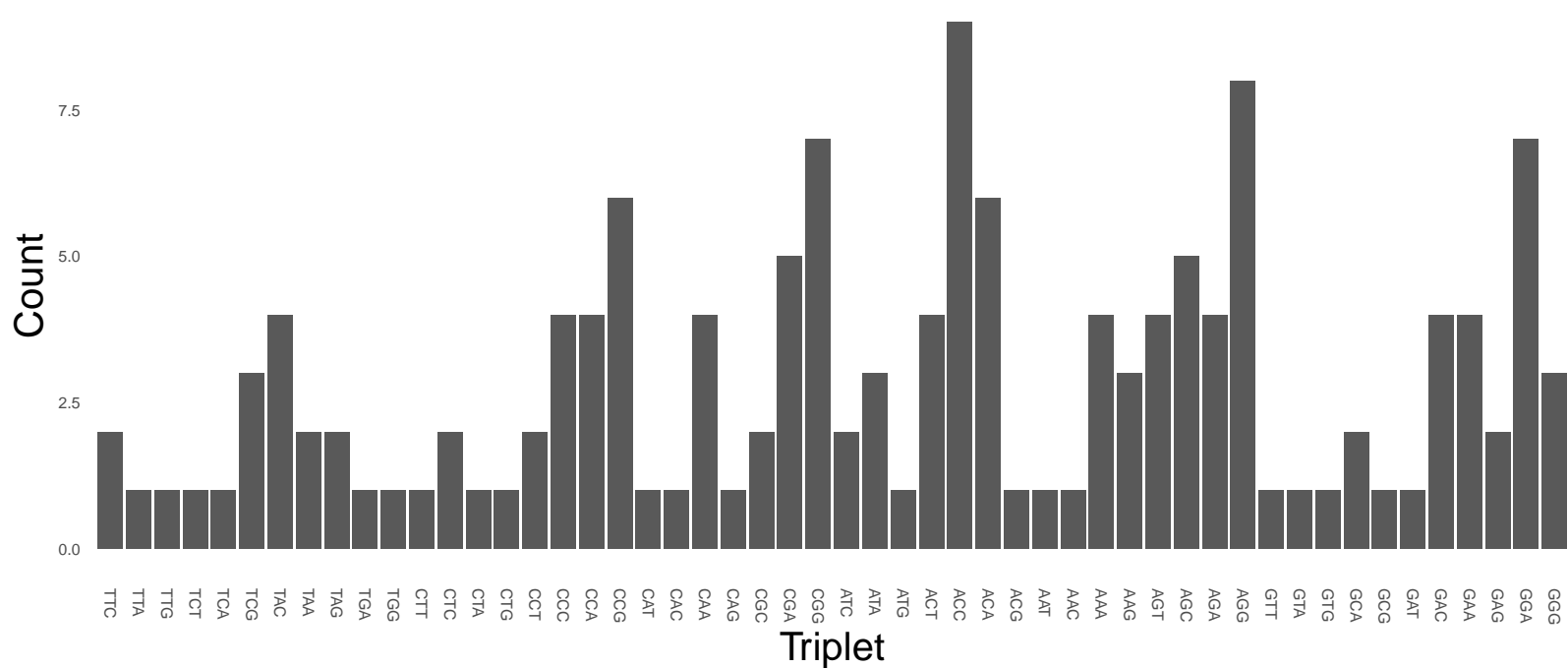
Gene TRBV7-7*ap01_C315T



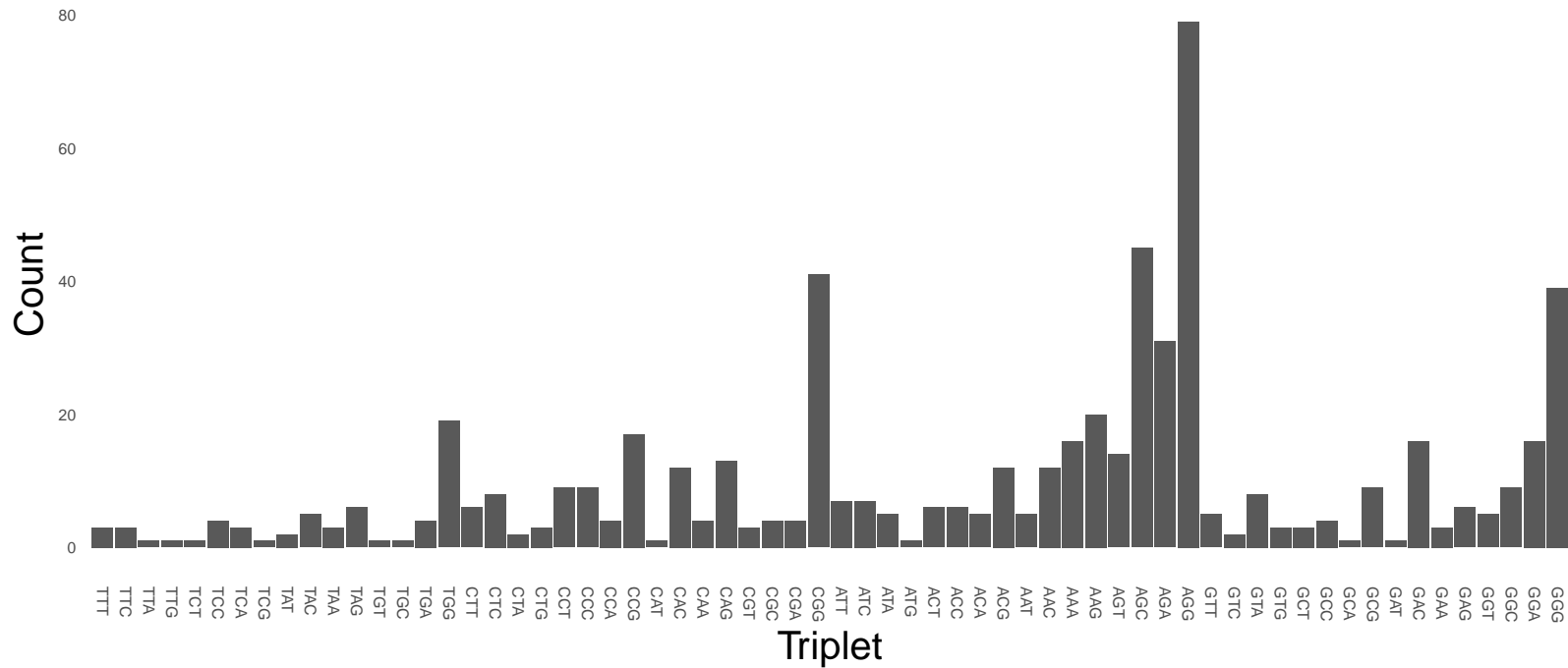
TRBV5-7*ap01_G290A- Final 3 nucleotides as a triplet



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

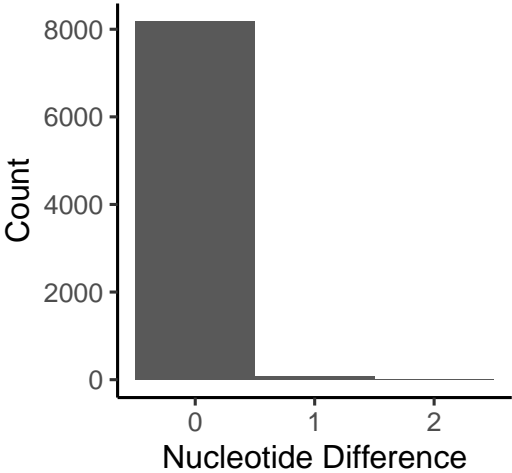


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



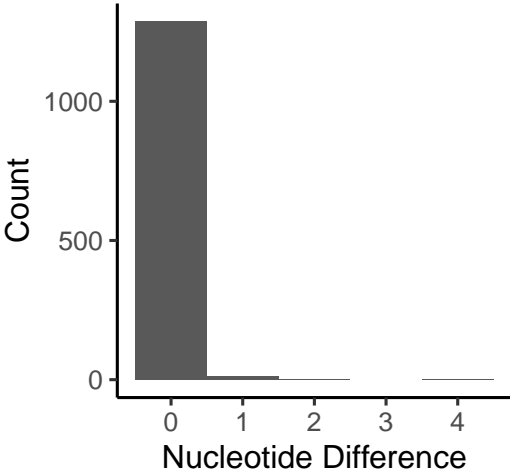
TRBV20-1*ap01

8268 sequences assigned
8179 (98.9%) exact matches, in which:
8042 unique CDR3
13 unique J



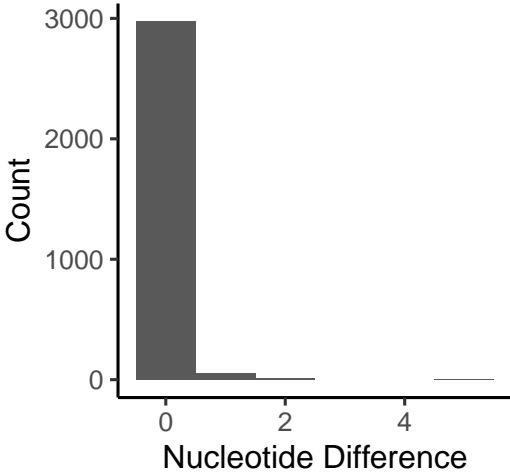
TRBV10-2*ap01

1300 sequences assigned
1287 (99%) exact matches, in which:
1258 unique CDR3
13 unique J



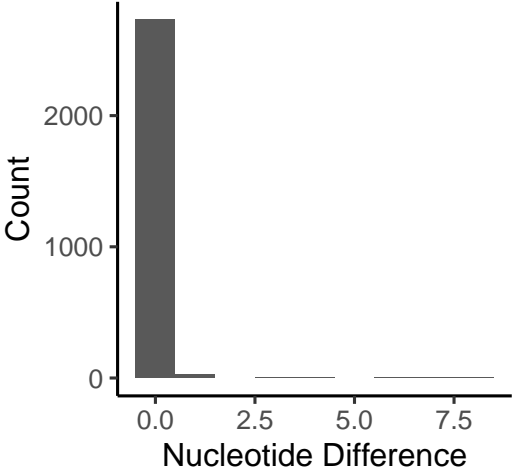
TRBV13*ap01

3043 sequences assigned
2975 (97.8%) exact matches, in which:
2870 unique CDR3
13 unique J



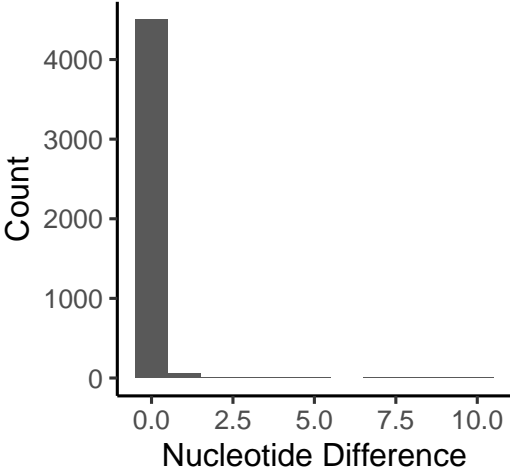
TRBV10-1*ap01

2762 sequences assigned
2731 (98.9%) exact matches, in which:
2661 unique CDR3
13 unique J



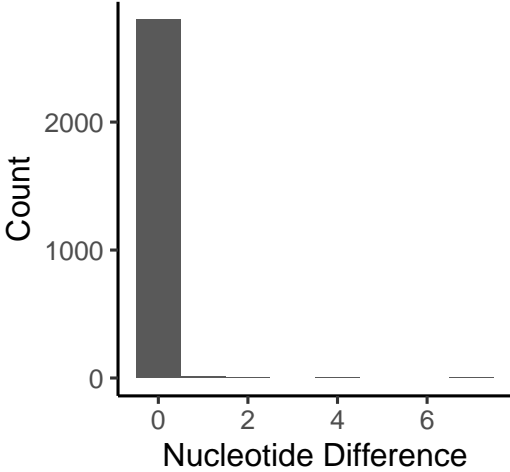
TRBV10-3*ap01

4562 sequences assigned
4500 (98.6%) exact matches, in which:
4403 unique CDR3
13 unique J



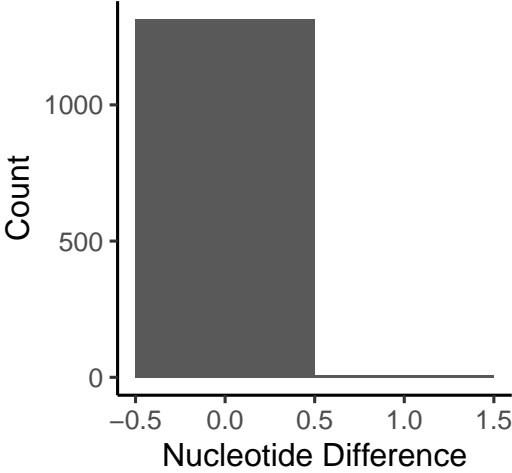
TRBV14*ap01

2817 sequences assigned
2800 (99.4%) exact matches, in which:
2772 unique CDR3
13 unique J



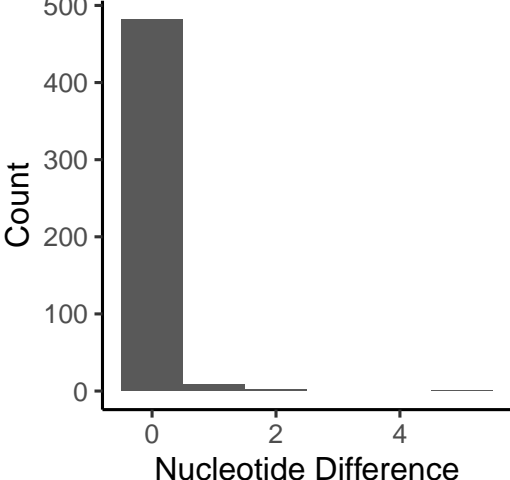
TRBV20-1*ap02

1323 sequences assigned
1315 (99.4%) exact matches, in which:
1295 unique CDR3
13 unique J



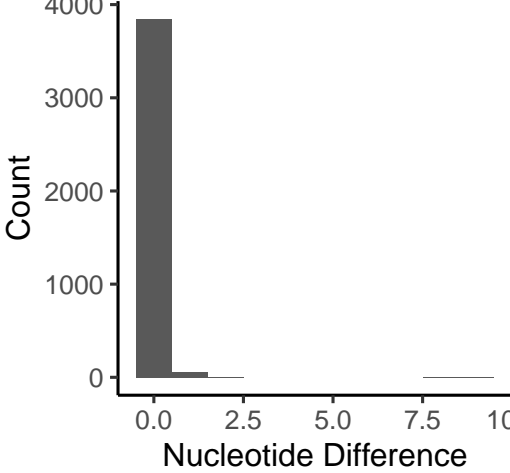
TRBV1*ap01

493 sequences assigned
482 (97.8%) exact matches, in which:
468 unique CDR3
13 unique J



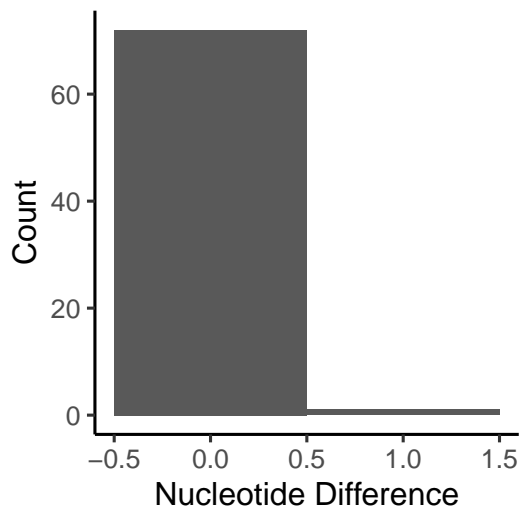
TRBV15*ap02

3904 sequences assigned
3845 (98.5%) exact matches, in which:
3762 unique CDR3
13 unique J



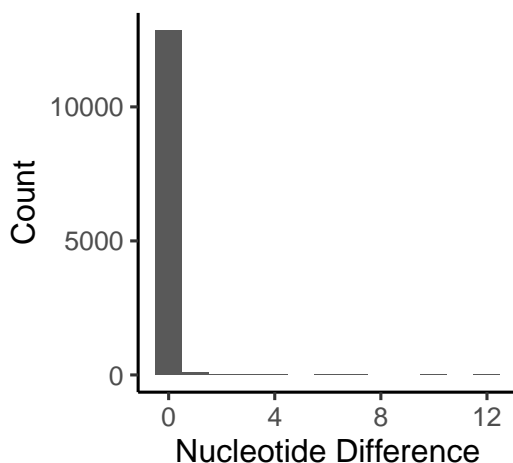
TRBV16*ap01

73 sequences assigned
72 (98.6%) exact matches, in which:
72 unique CDR3
12 unique J



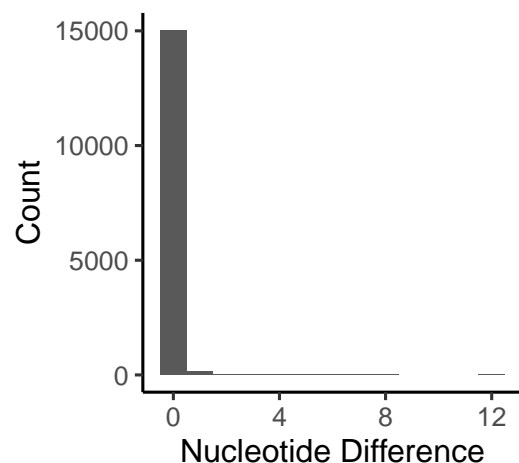
TRBV19*ap01

12979 sequences assigned
12862 (99.1%) exact matches, in which:
12768 unique CDR3
13 unique J



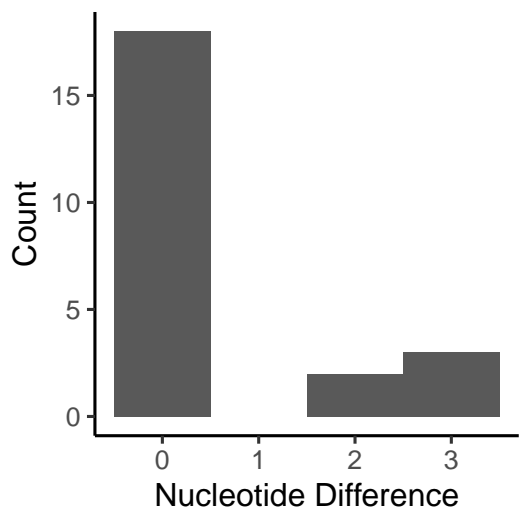
TRBV27*ap01

15213 sequences assigned
15031 (98.8%) exact matches, in which:
14636 unique CDR3
13 unique J



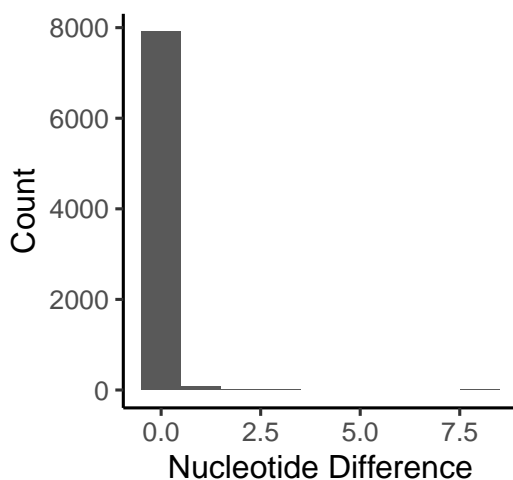
TRBV17*ap01

23 sequences assigned
18 (78.3%) exact matches, in which:
18 unique CDR3
8 unique J



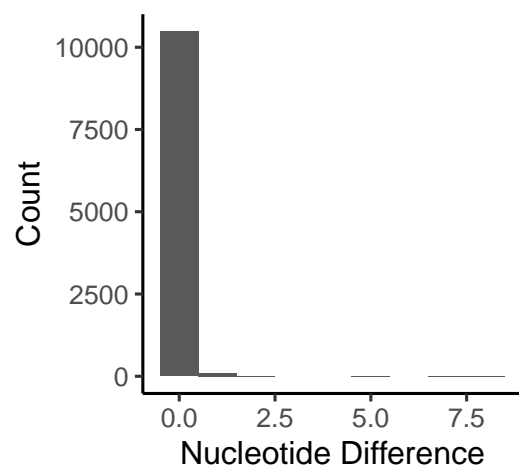
TRBV2*ap01

7992 sequences assigned
7910 (99%) exact matches, in which:
7725 unique CDR3
13 unique J



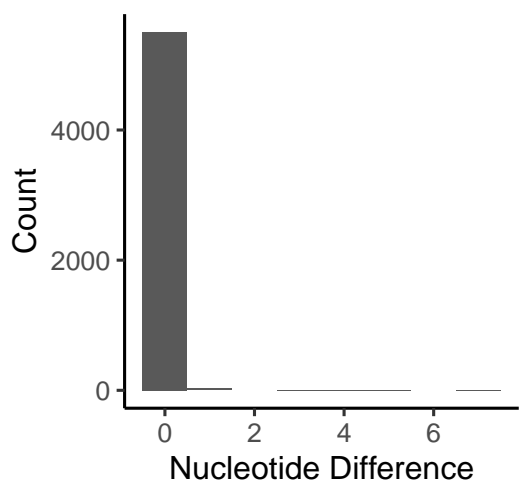
TRBV28*ap01

10595 sequences assigned
10479 (98.9%) exact matches, in which:
10329 unique CDR3
13 unique J



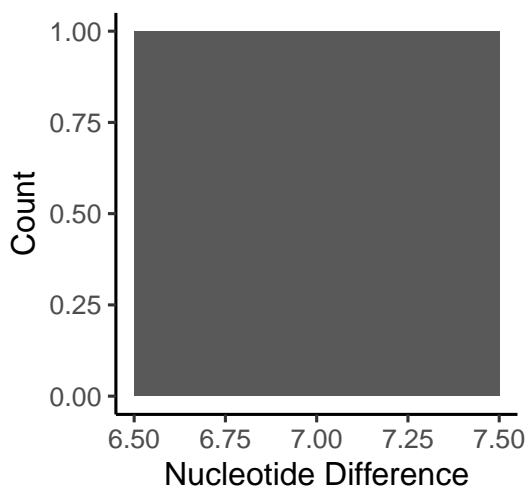
TRBV18*ap01

5536 sequences assigned
5505 (99.4%) exact matches, in which:
5469 unique CDR3
13 unique J



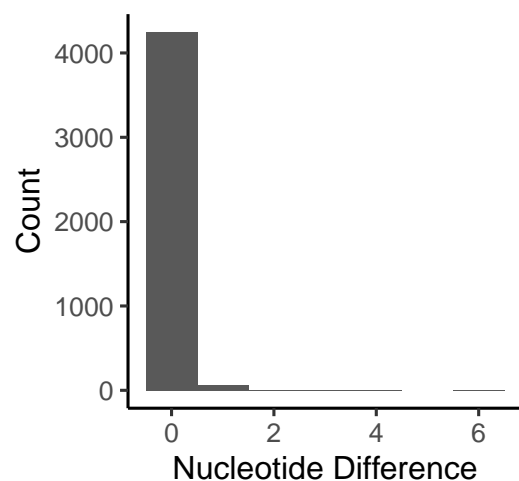
TRBV26*ap01

1 sequences assigned
No exact matches.



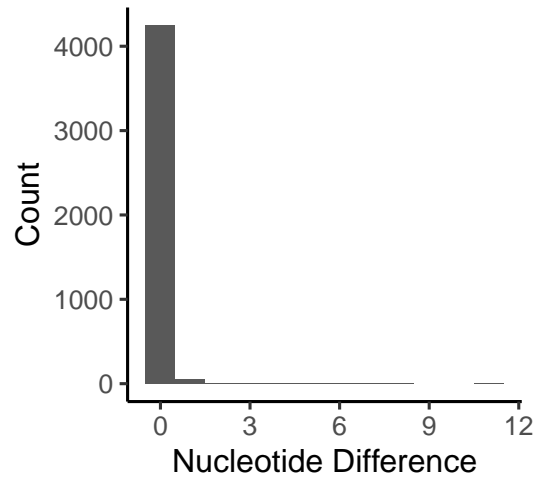
TRBV30*ap01

4319 sequences assigned
4248 (98.4%) exact matches, in which:
4123 unique CDR3
13 unique J



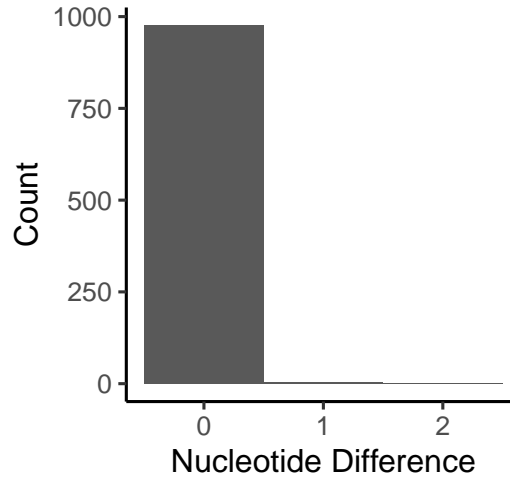
TRBV30*ap02

4315 sequences assigned
4247 (98.4%) exact matches, in which:
4135 unique CDR3
13 unique J



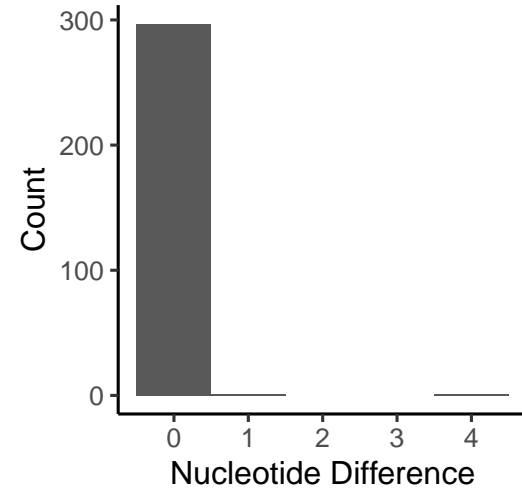
TRBV11-1*ap01

982 sequences assigned
976 (99.4%) exact matches, in which:
968 unique CDR3
13 unique J



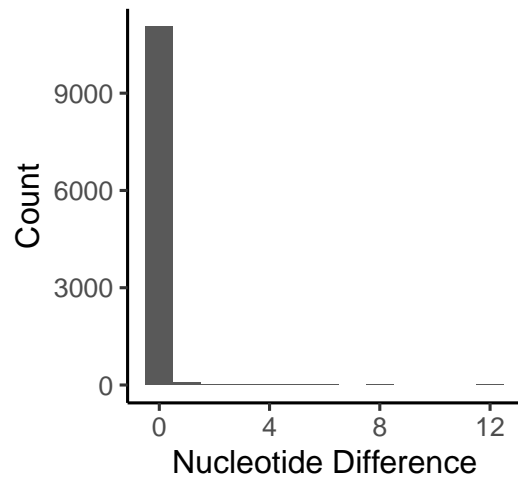
TRBV12-1*ap01

299 sequences assigned
297 (99.3%) exact matches, in which:
294 unique CDR3
13 unique J



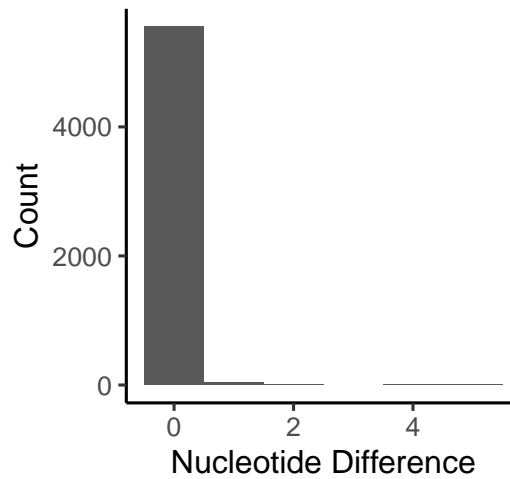
TRBV9*ap01

11152 sequences assigned
11050 (99.1%) exact matches, in which:
10902 unique CDR3
13 unique J



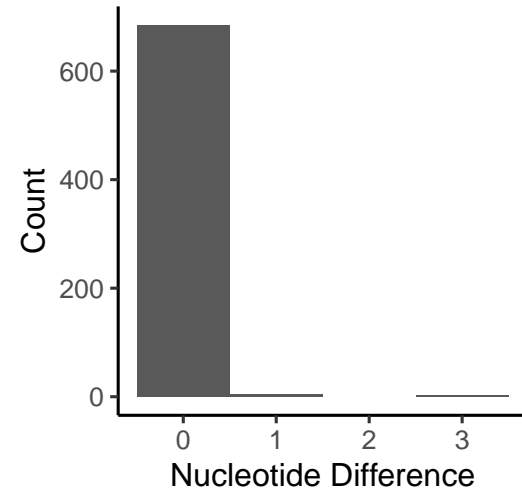
TRBV11-2*ap01

5590 sequences assigned
5552 (99.3%) exact matches, in which:
5503 unique CDR3
13 unique J



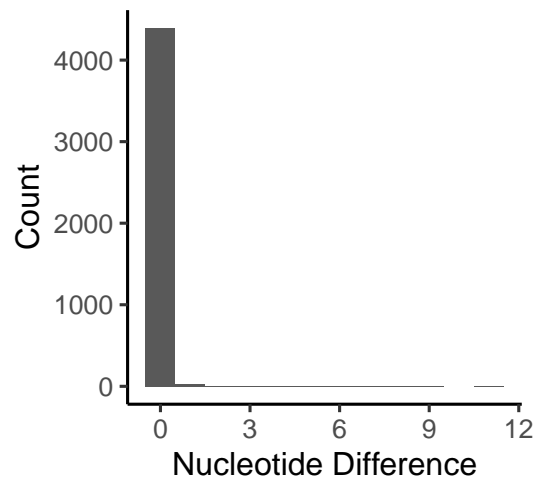
TRBV12-2*ap01

692 sequences assigned
685 (99%) exact matches, in which:
680 unique CDR3
13 unique J



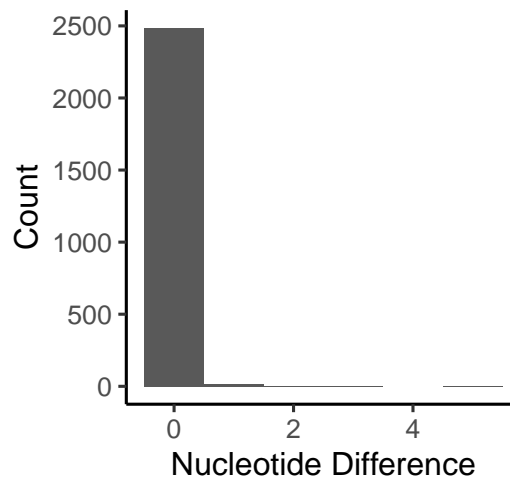
TRBV21-1*ap01

4457 sequences assigned
4393 (98.6%) exact matches, in which:
4366 unique CDR3
13 unique J



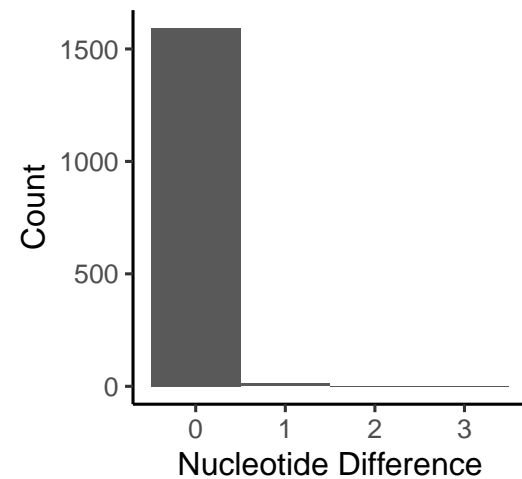
TRBV11-3*ap01

2506 sequences assigned
2485 (99.2%) exact matches, in which:
2475 unique CDR3
13 unique J



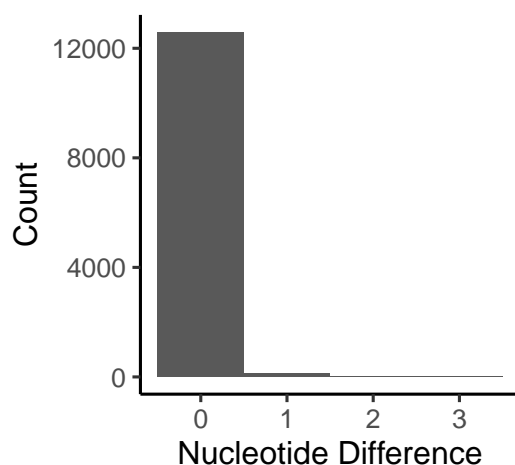
TRBV12-5*ap01

1607 sequences assigned
1593 (99.1%) exact matches, in which:
1570 unique CDR3
13 unique J



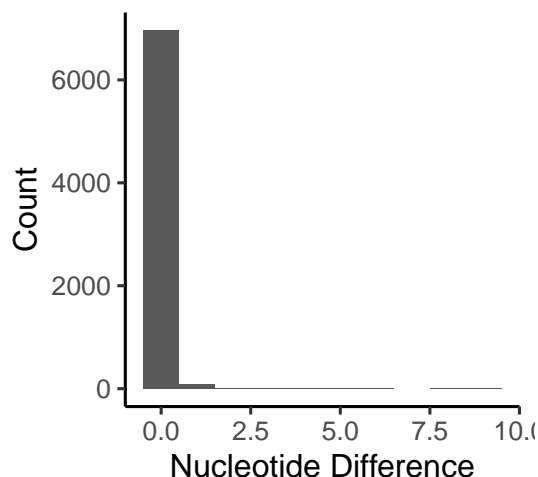
TRBV12–34*ap01

12718 sequences assigned
12589 (99%) exact matches, in which:
12371 unique CDR3
13 unique J



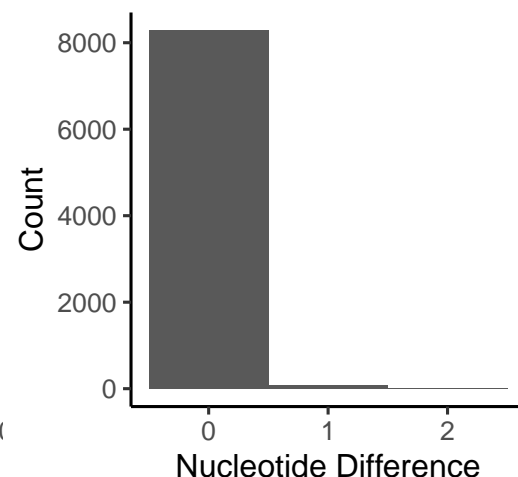
TRBV24–1*ap01

7064 sequences assigned
6962 (98.6%) exact matches, in which:
6801 unique CDR3
13 unique J



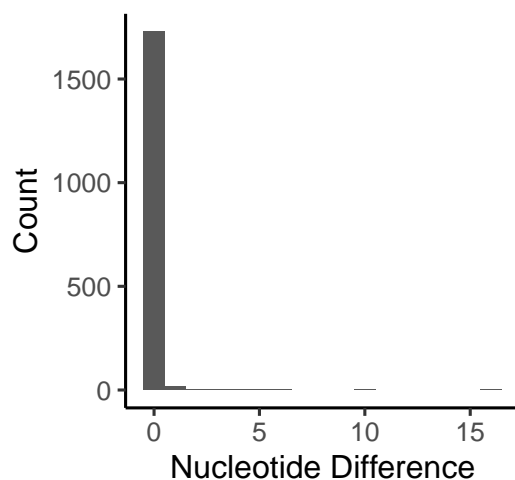
TRBV4–3*ap01

8359 sequences assigned
8285 (99.1%) exact matches, in which:
8084 unique CDR3
13 unique J



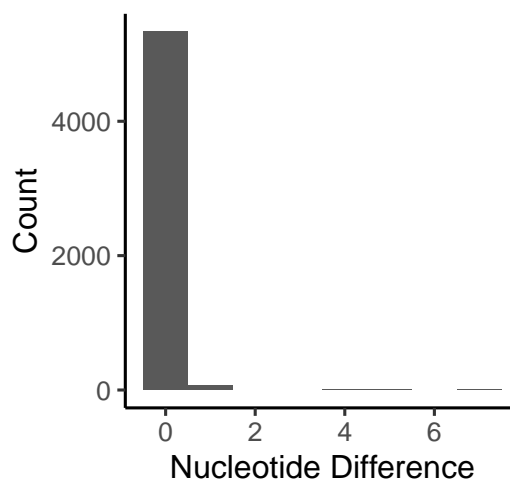
TRBV23–1*ap01

1754 sequences assigned
1728 (98.5%) exact matches, in which:
1708 unique CDR3
13 unique J



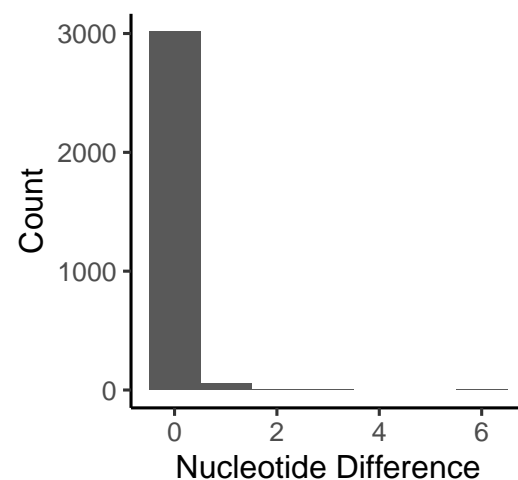
TRBV4–1*ap01

5397 sequences assigned
5333 (98.8%) exact matches, in which:
5175 unique CDR3
13 unique J



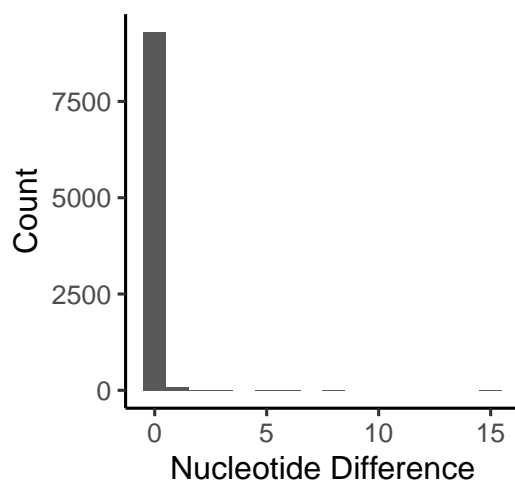
TRBV25–1*ap01

3077 sequences assigned
3015 (98%) exact matches, in which:
2925 unique CDR3
13 unique J



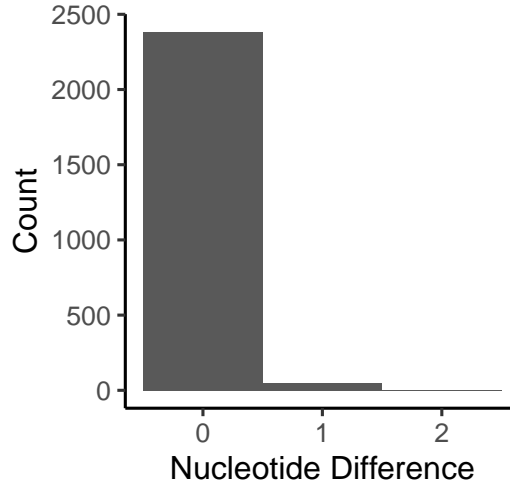
TRBV3–12*ap01

9402 sequences assigned
9301 (98.9%) exact matches, in which:
9143 unique CDR3
13 unique J



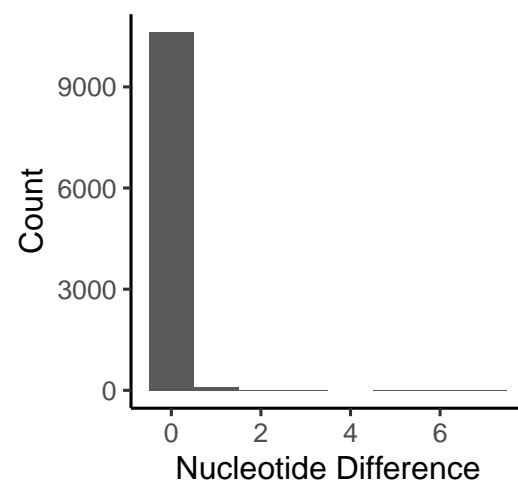
TRBV4–2*ap01

2433 sequences assigned
2382 (97.9%) exact matches, in which:
2314 unique CDR3
13 unique J



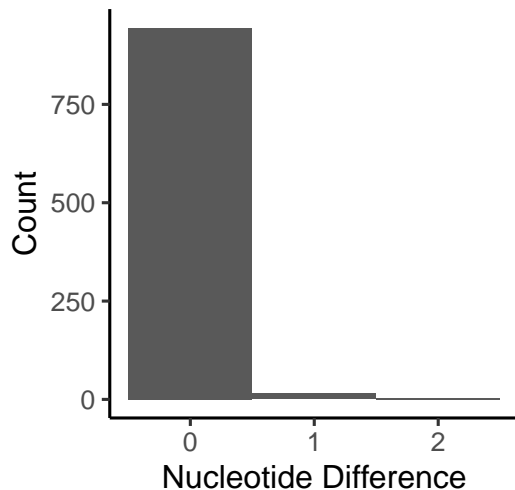
TRBV5–1*ap01

10736 sequences assigned
10627 (99%) exact matches, in which:
10330 unique CDR3
13 unique J



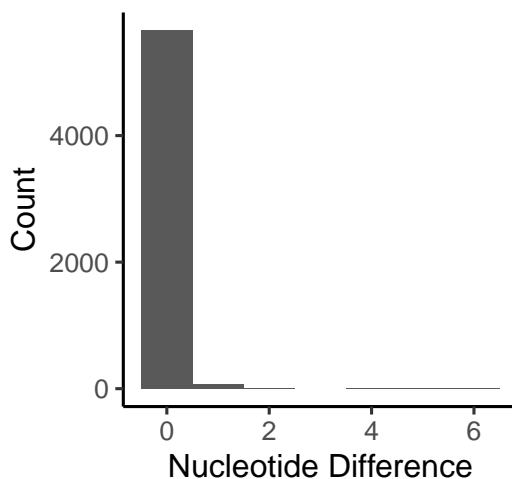
TRBV5-3*ap01

963 sequences assigned
945 (98.1%) exact matches, in which:
934 unique CDR3
13 unique J



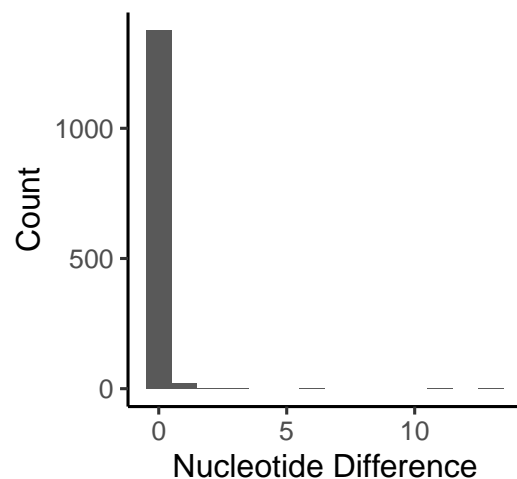
TRBV5-6*ap01

5734 sequences assigned
5663 (98.8%) exact matches, in which:
5430 unique CDR3
13 unique J



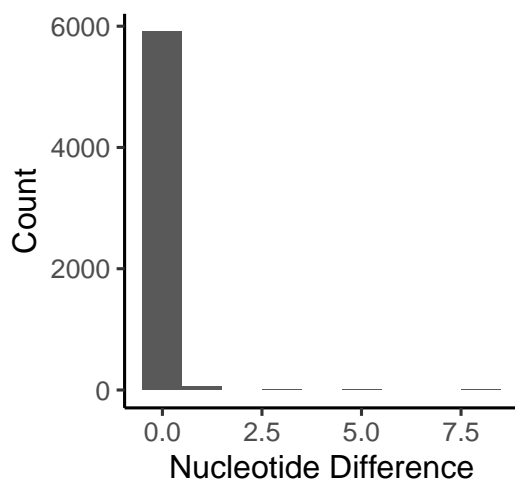
TRBV5-8*ap01

1404 sequences assigned
1376 (98%) exact matches, in which:
1360 unique CDR3
13 unique J



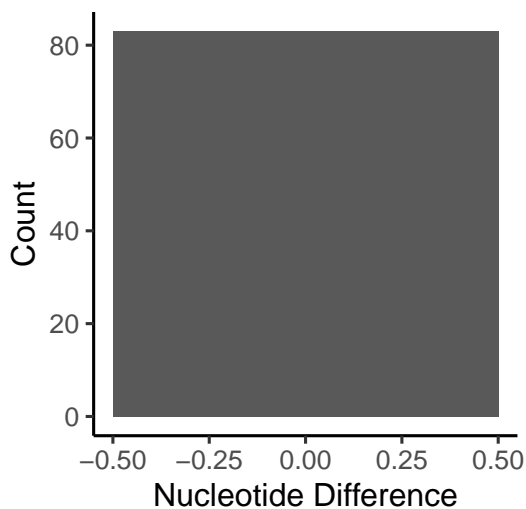
TRBV5-4*ap01

5977 sequences assigned
5909 (98.9%) exact matches, in which:
5774 unique CDR3
13 unique J



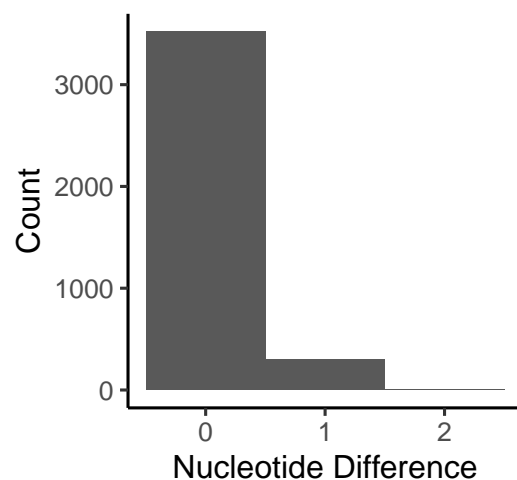
TRBV5-7*ap01

83 sequences assigned
83 (100%) exact matches, in which:
80 unique CDR3
13 unique J



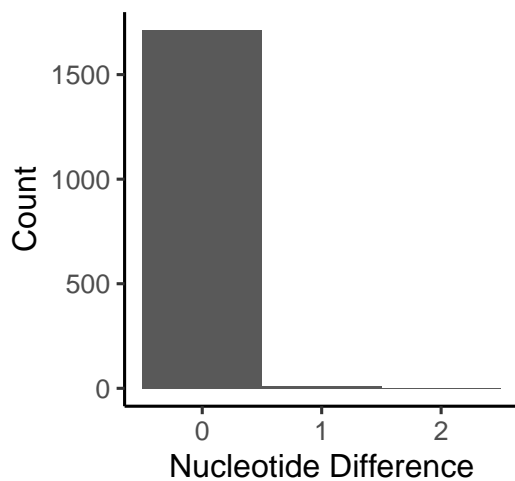
TRBV6-1*ap01

3824 sequences assigned
3520 (92.1%) exact matches, in which:
3426 unique CDR3
13 unique J



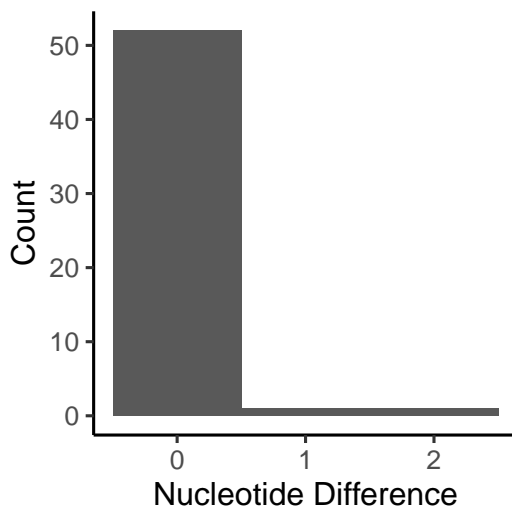
TRBV5-5*ap01

1726 sequences assigned
1713 (99.2%) exact matches, in which:
1702 unique CDR3
13 unique J



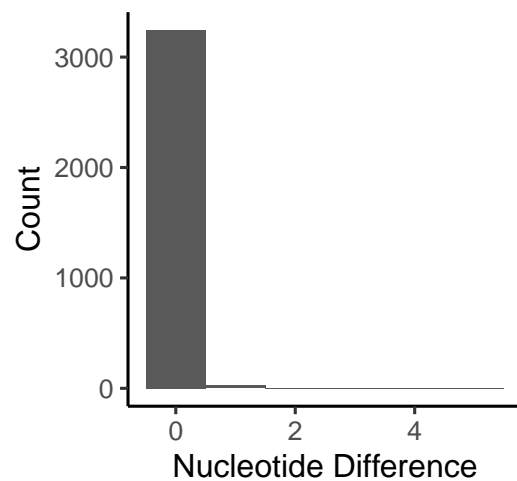
TRBV5-7*ap01_G290A

54 sequences assigned
52 (96.3%) exact matches, in which:
50 unique CDR3
11 unique J



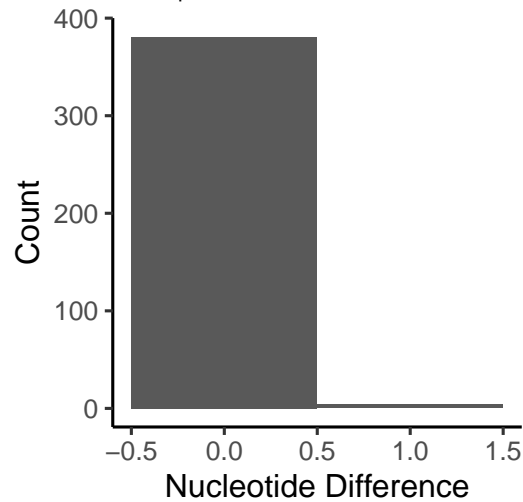
TRBV6-4*ap01

3279 sequences assigned
3245 (99%) exact matches, in which:
3209 unique CDR3
13 unique J



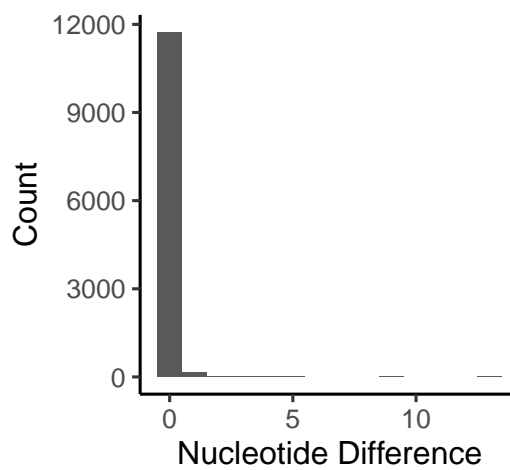
TRBV6-7*ap01

385 sequences assigned
381 (99%) exact matches, in which:
372 unique CDR3
13 unique J



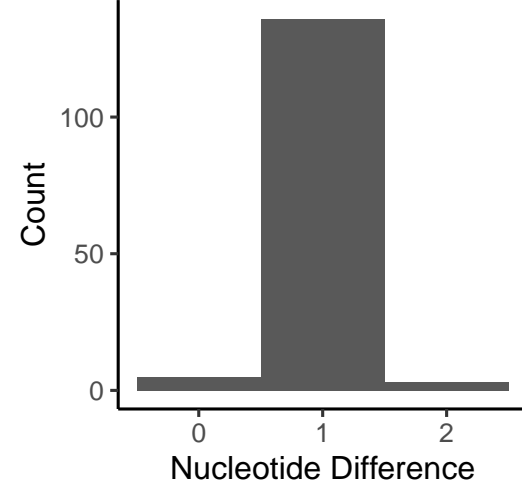
TRBV6-23*ap01

11896 sequences assigned
11735 (98.6%) exact matches, in which:
11330 unique CDR3
13 unique J



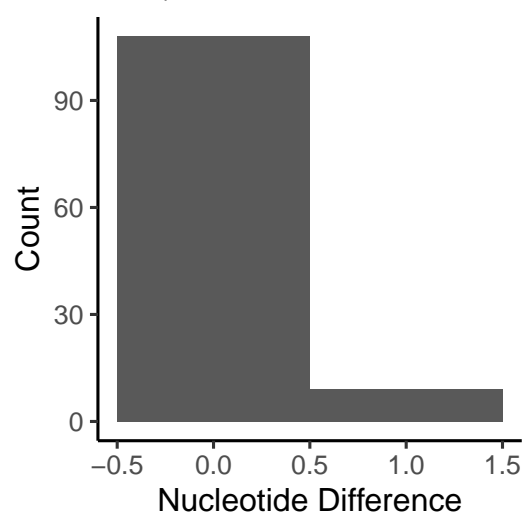
TRBV7-1*ap01_T296C

144 sequences assigned
5 (3.5%) exact matches, in which:
5 unique CDR3
4 unique J



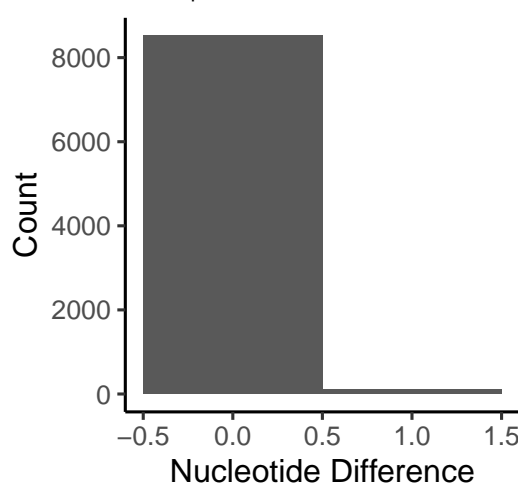
TRBV6-8*ap01

117 sequences assigned
108 (92.3%) exact matches, in which:
105 unique CDR3
13 unique J



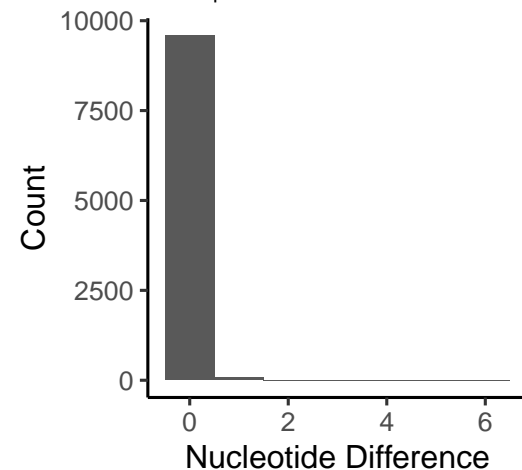
TRBV6-56*ap01

8618 sequences assigned
8521 (98.9%) exact matches, in which:
8212 unique CDR3
13 unique J



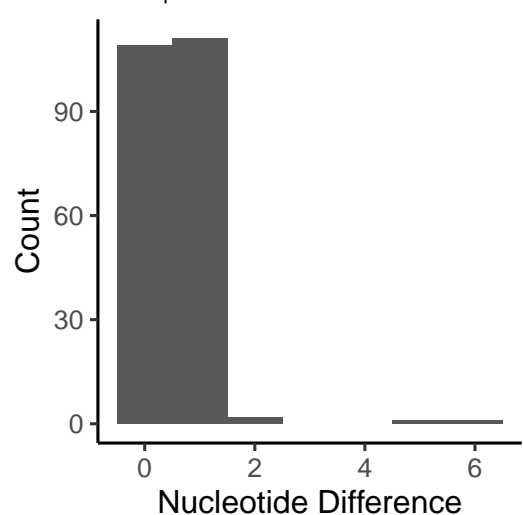
TRBV7-2*ap01

9680 sequences assigned
9589 (99.1%) exact matches, in which:
9455 unique CDR3
13 unique J



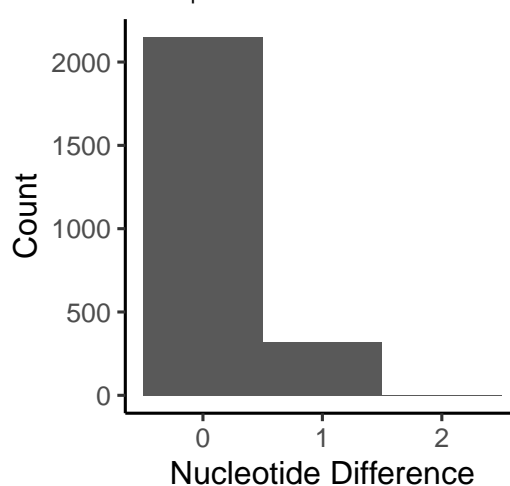
TRBV6-9*ap01

224 sequences assigned
109 (48.7%) exact matches, in which:
106 unique CDR3
12 unique J



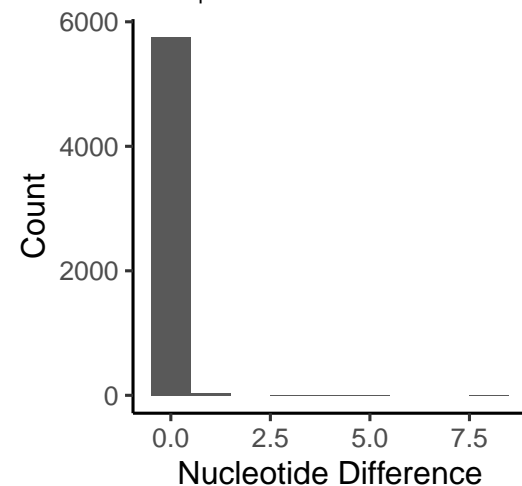
TRBV6-56*ap02

2473 sequences assigned
2150 (86.9%) exact matches, in which:
2082 unique CDR3
13 unique J



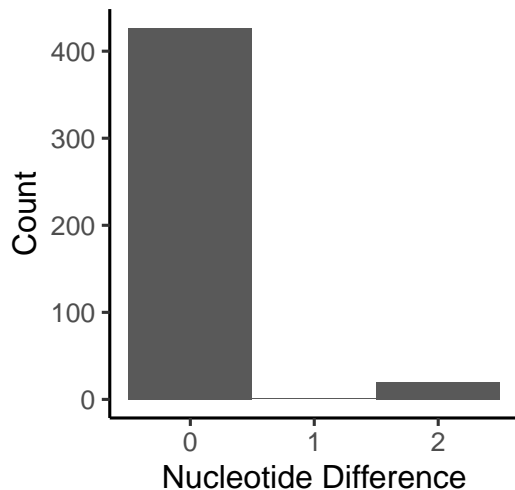
TRBV7-3*ap01

5800 sequences assigned
5755 (99.2%) exact matches, in which:
5698 unique CDR3
13 unique J



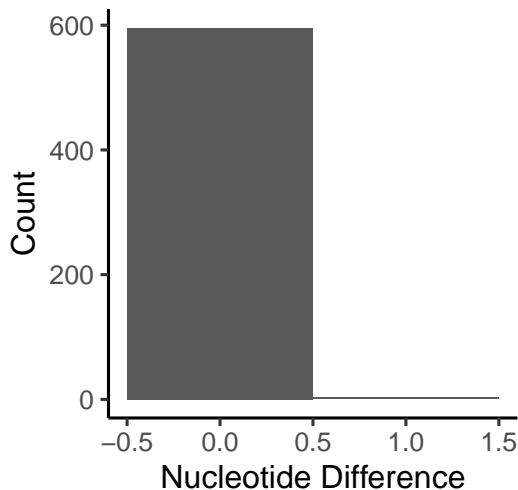
TRBV7-4*ap01

448 sequences assigned
427 (95.3%) exact matches, in which:
414 unique CDR3
13 unique J



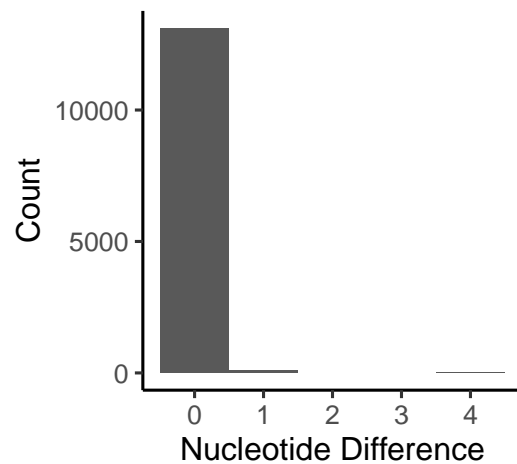
TRBV7-7*ap01_C315T

599 sequences assigned
596 (99.5%) exact matches, in which:
588 unique CDR3
13 unique J



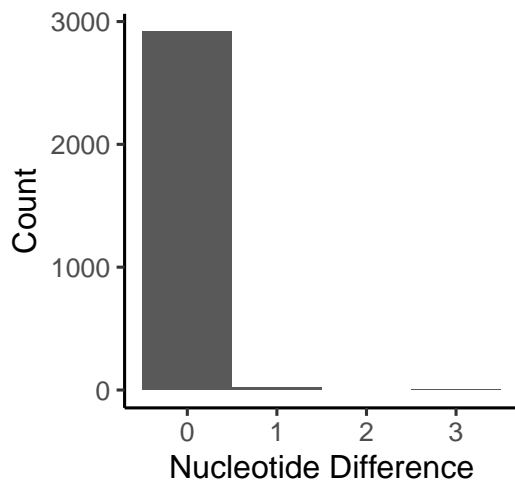
TRBV7-9*ap01

13216 sequences assigned
13114 (99.2%) exact matches, in which:
12904 unique CDR3
13 unique J



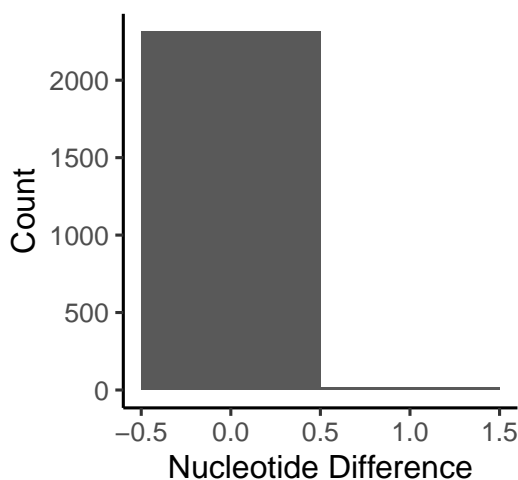
TRBV7-6*ap01

2942 sequences assigned
2917 (99.2%) exact matches, in which:
2857 unique CDR3
13 unique J



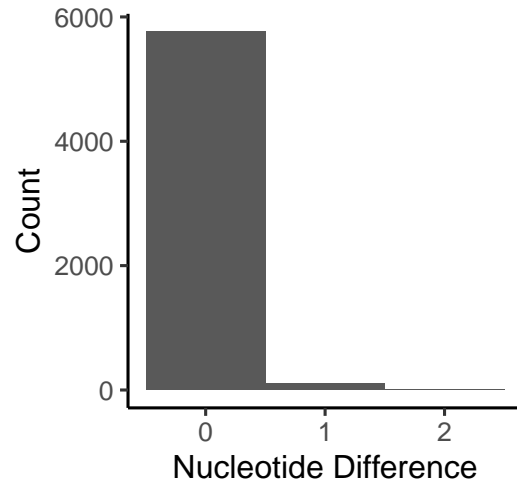
TRBV7-8*ap01

2331 sequences assigned
2313 (99.2%) exact matches, in which:
2268 unique CDR3
13 unique J



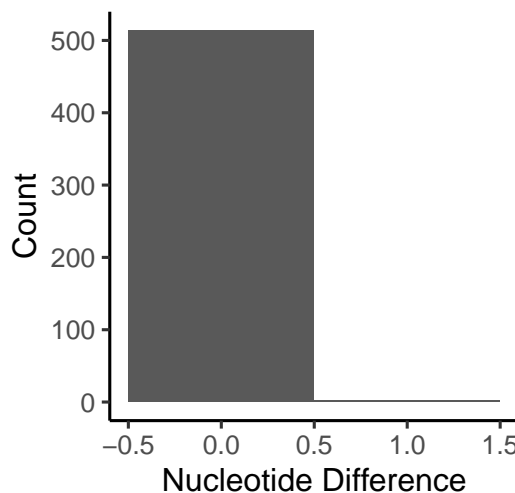
TRBV29-1*ap01

5870 sequences assigned
5762 (98.2%) exact matches, in which:
5564 unique CDR3
13 unique J



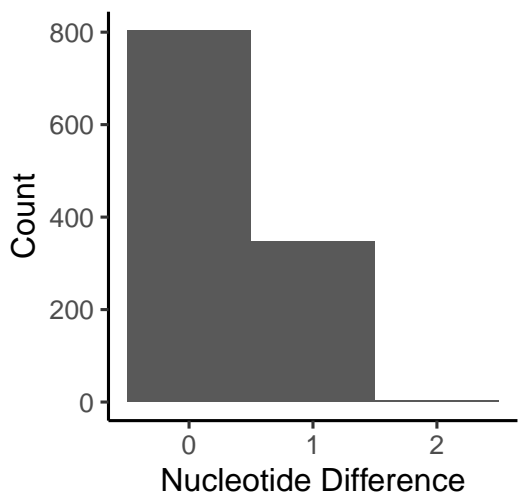
TRBV7-7*ap01

516 sequences assigned
514 (99.6%) exact matches, in which:
508 unique CDR3
13 unique J



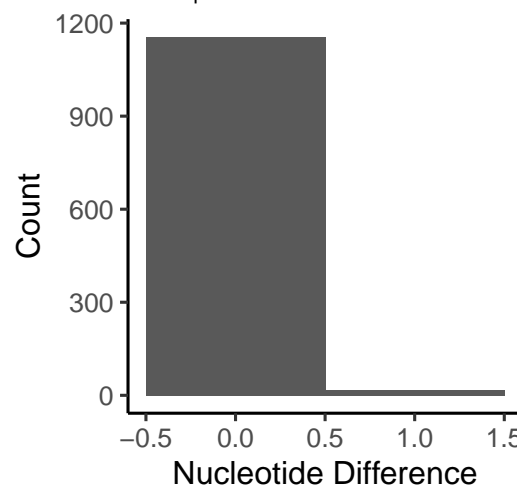
TRBV7-8*ap03

1155 sequences assigned
804 (69.6%) exact matches, in which:
794 unique CDR3
13 unique J

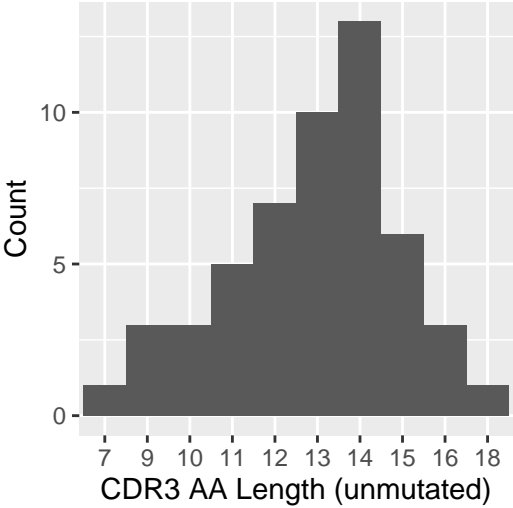


TRBV29-1*ap02

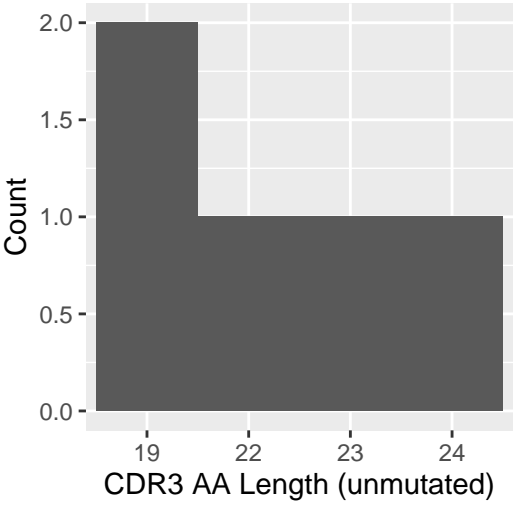
1173 sequences assigned
1155 (98.5%) exact matches, in which:
1126 unique CDR3
13 unique J



TRBV5-7*ap01_G290A



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

