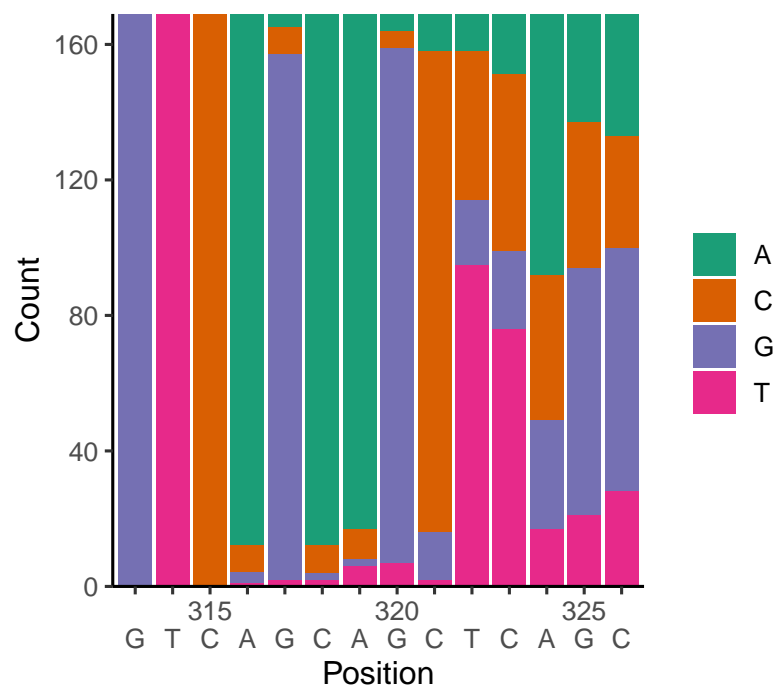
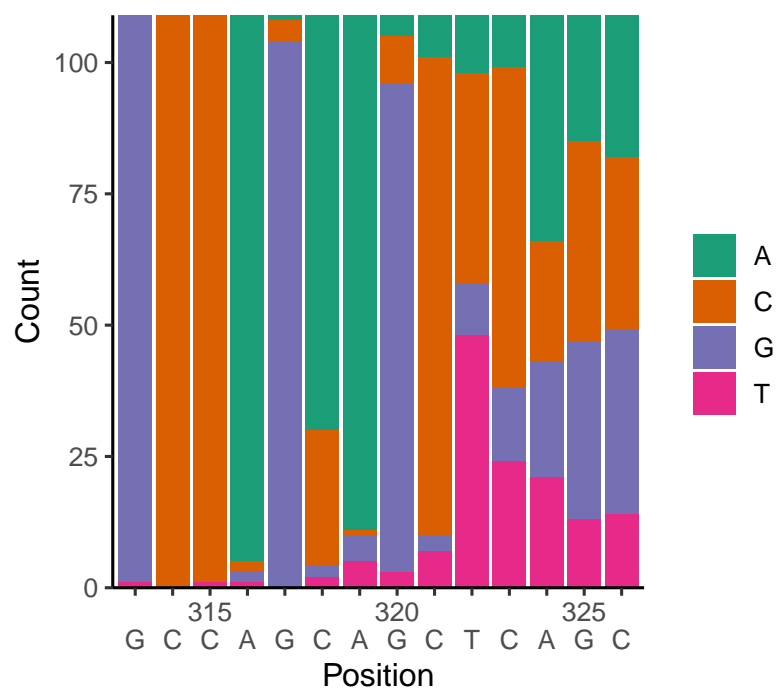


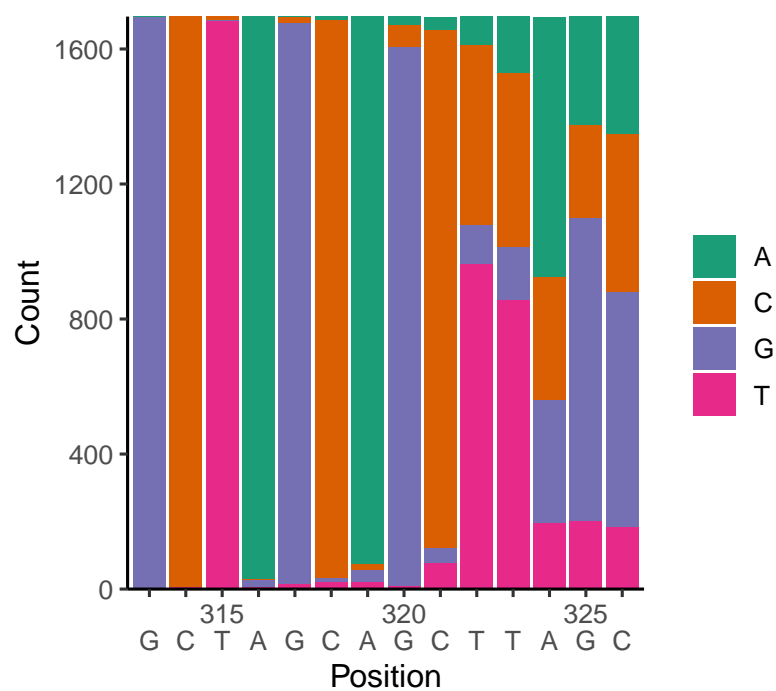
Gene TRBV7-1*ap01_T296C_C314T



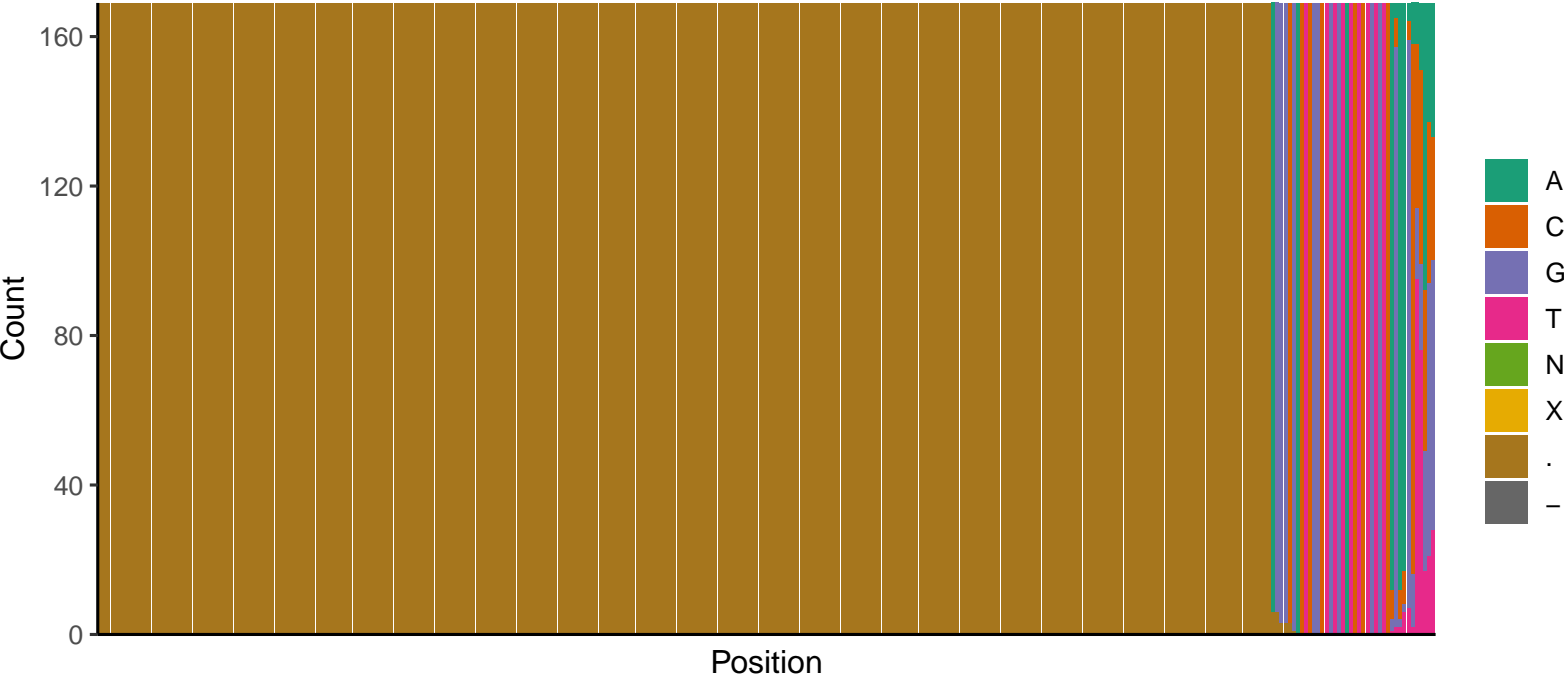
Gene TRBV7-1*ap01_T296C



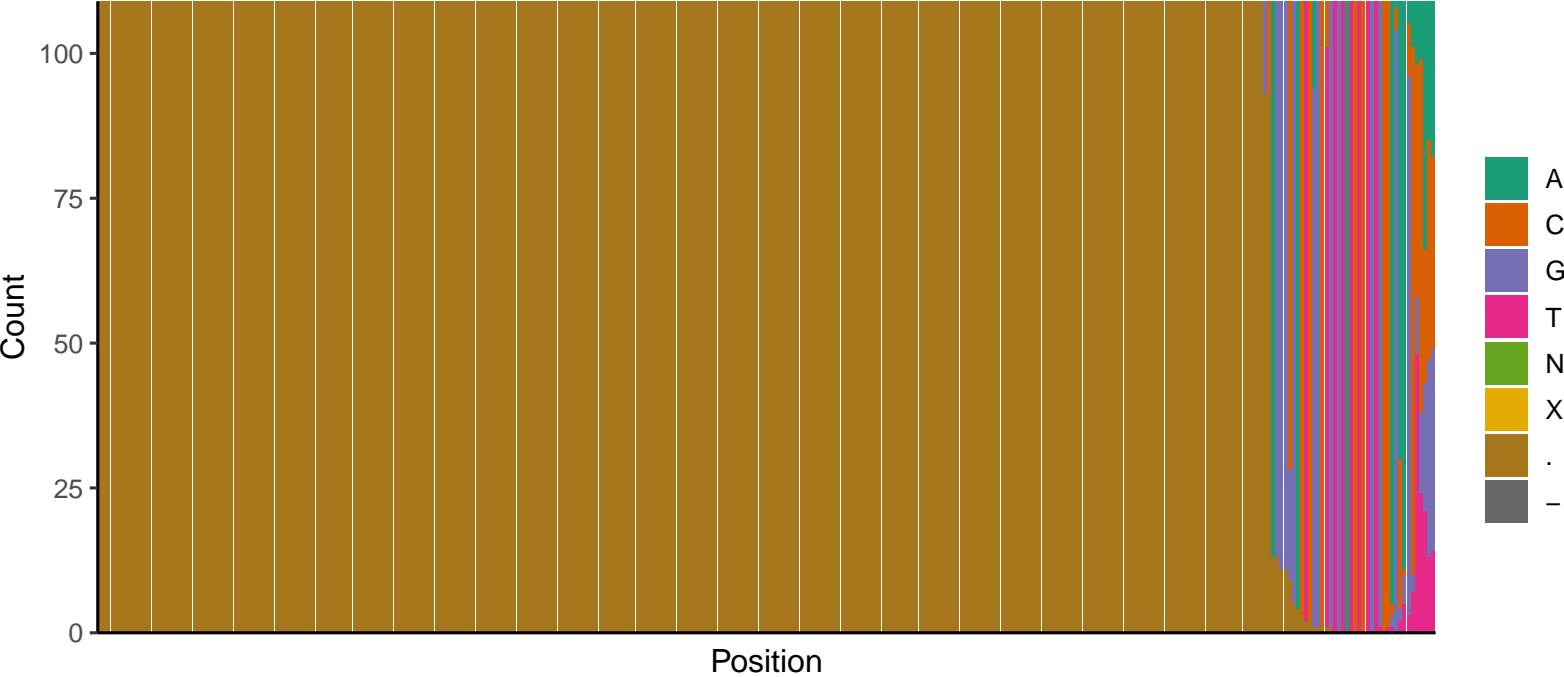
Gene TRBV7-7*ap01_C315T



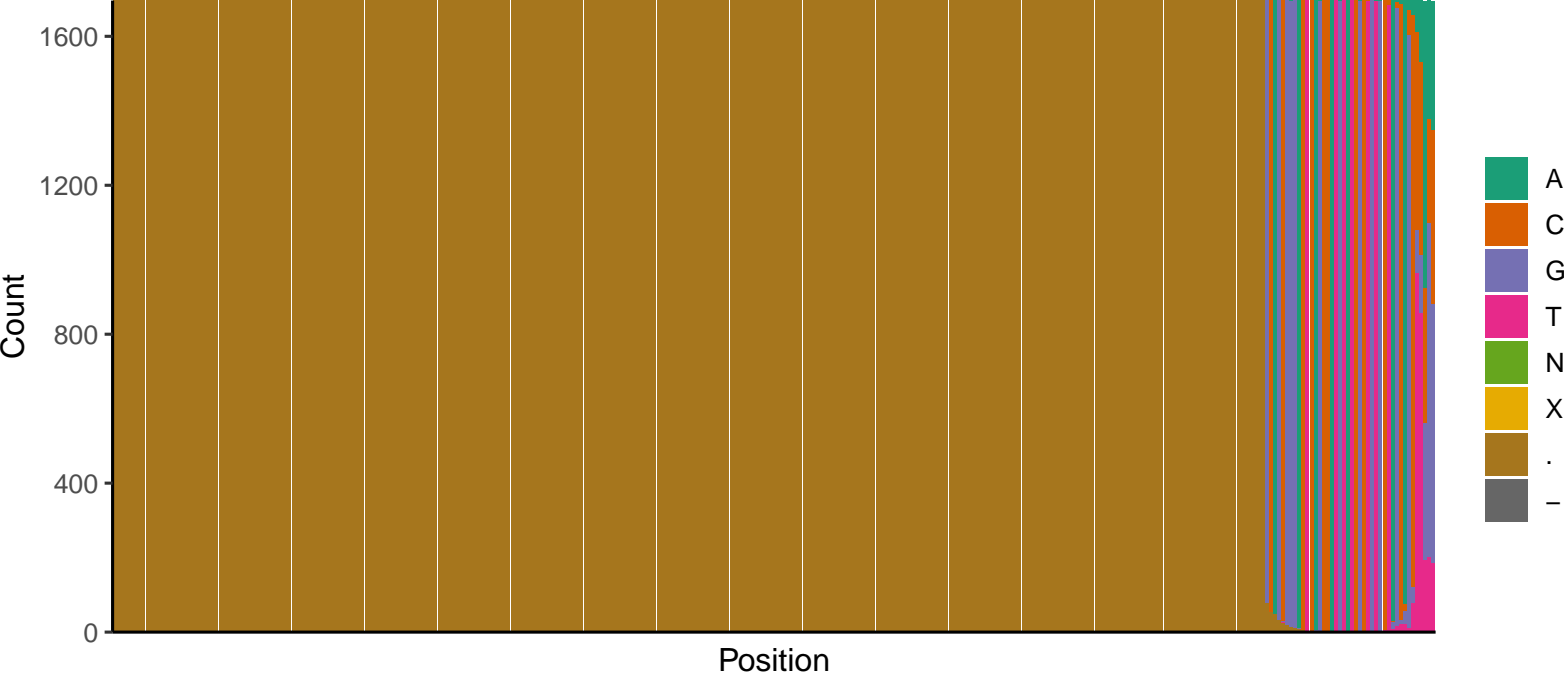
Gene TRBV7-1*ap01_T296C_C314T



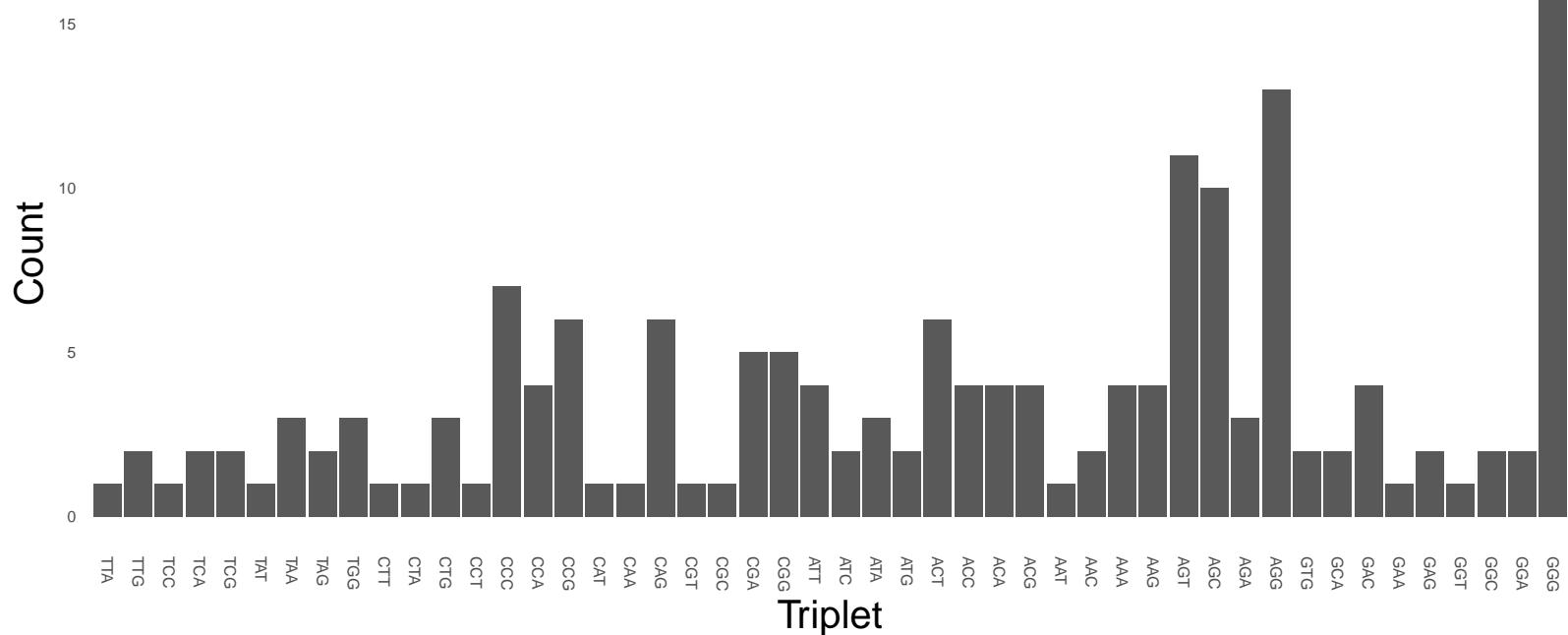
Gene TRBV7-1*ap01_T296C



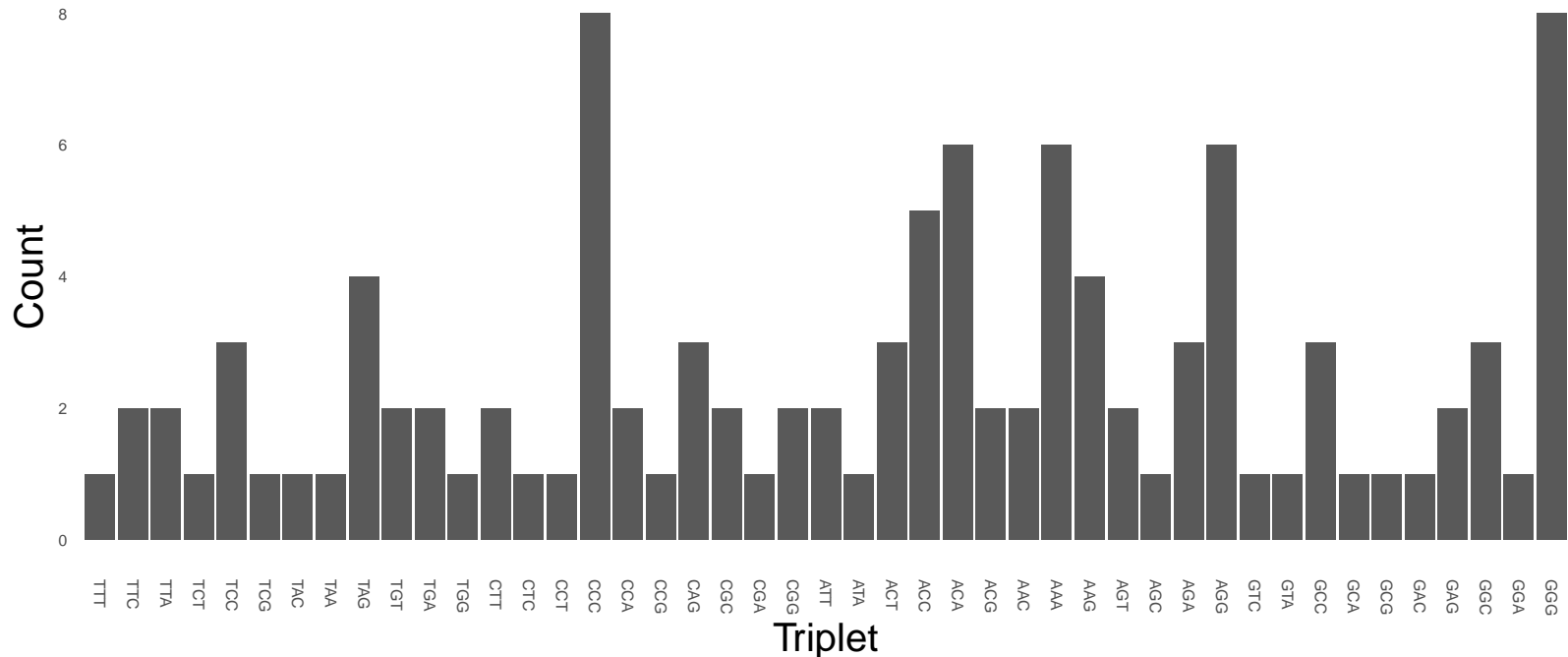
Gene TRBV7-7*ap01_C315T



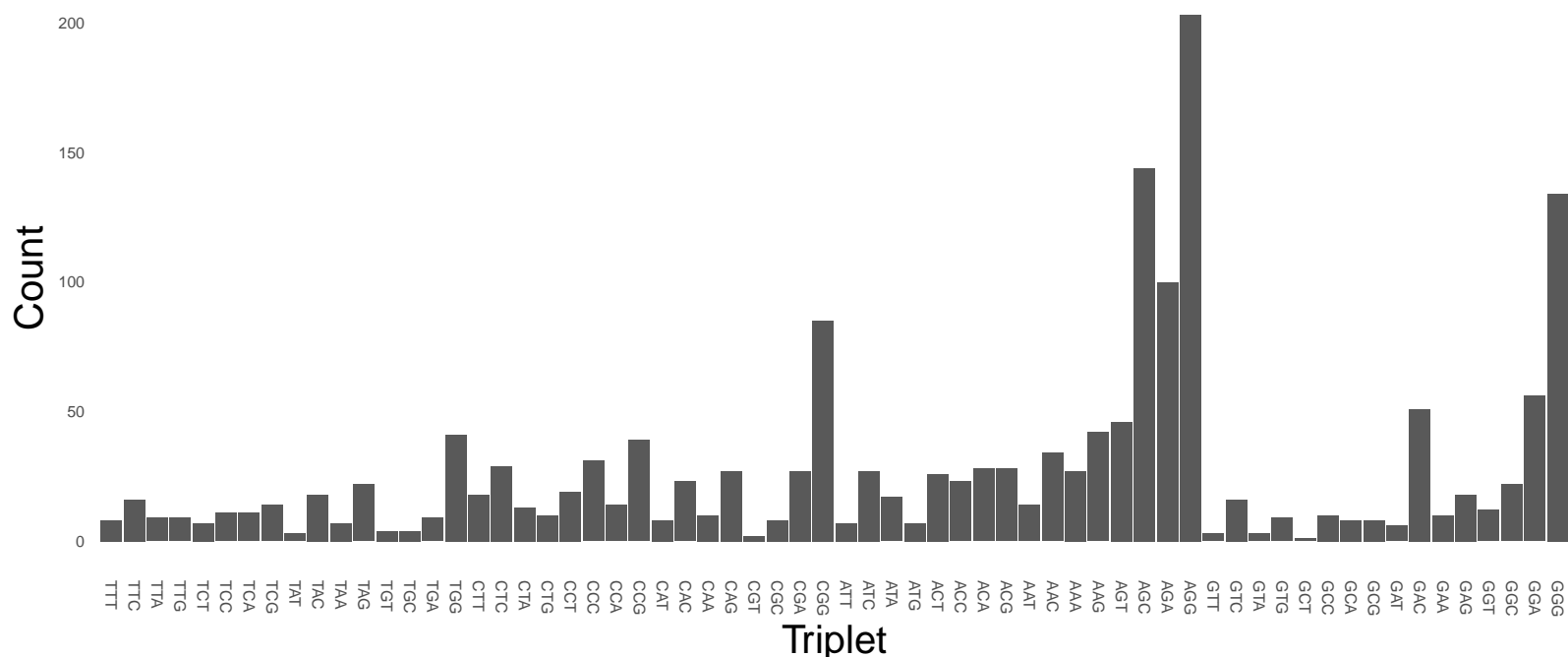
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



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

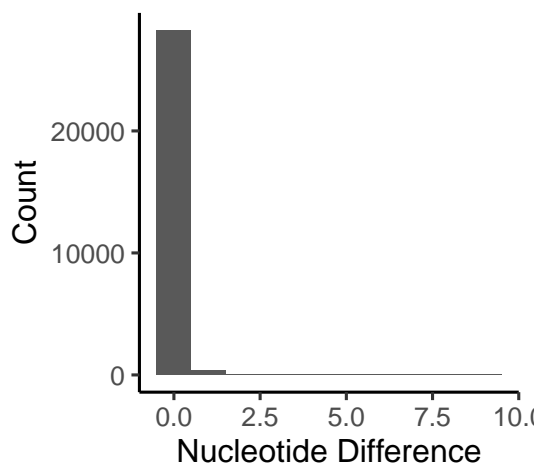


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



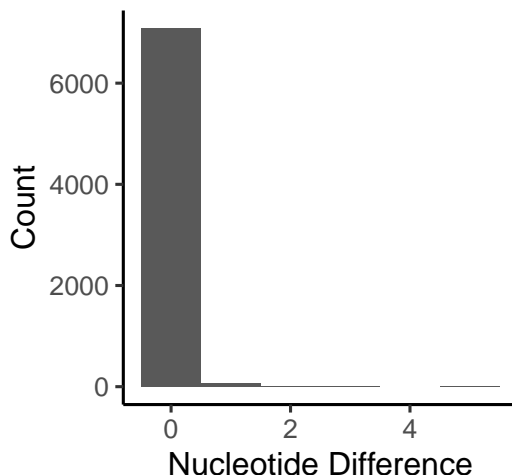
TRBV20-1*ap01

28662 sequences assigned
28261 (98.6%) exact matches, in which:
27790 unique CDR3
13 unique J



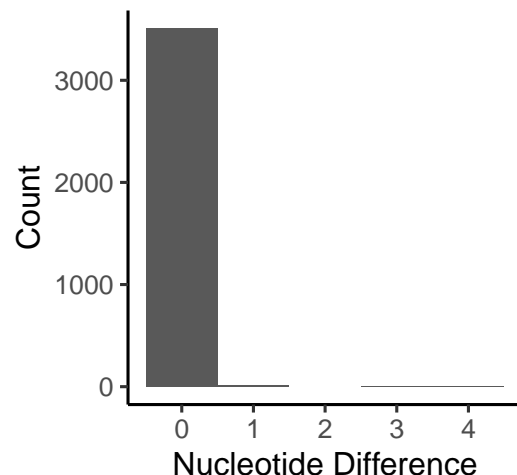
TRBV10-3*ap01

7160 sequences assigned
7082 (98.9%) exact matches, in which:
6946 unique CDR3
13 unique J



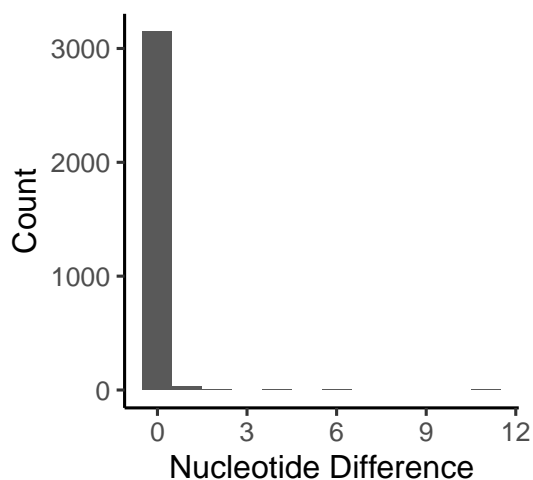
TRBV14*ap01

3527 sequences assigned
3508 (99.5%) exact matches, in which:
3464 unique CDR3
13 unique J



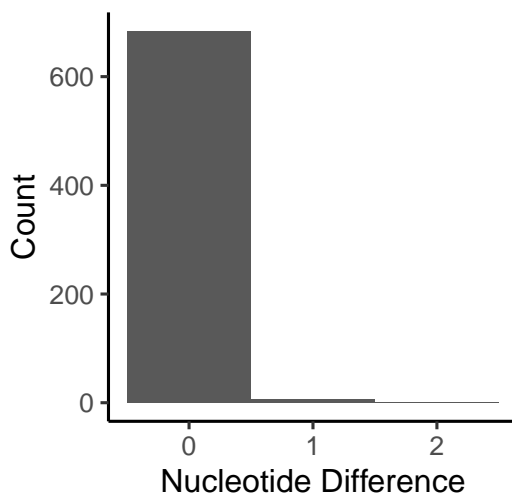
TRBV10-1*ap01

3178 sequences assigned
3147 (99%) exact matches, in which:
3095 unique CDR3
13 unique J



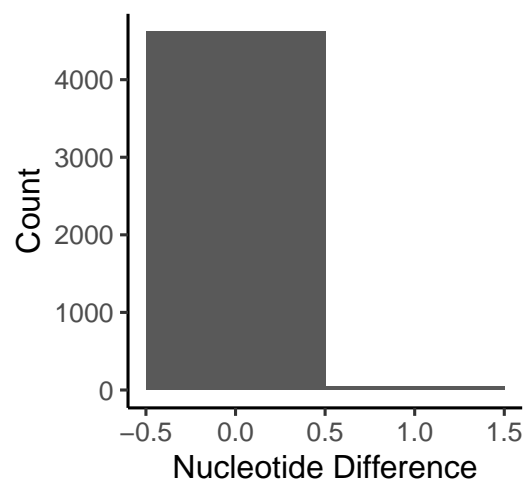
TRBV1*ap01

692 sequences assigned
684 (98.8%) exact matches, in which:
669 unique CDR3
13 unique J



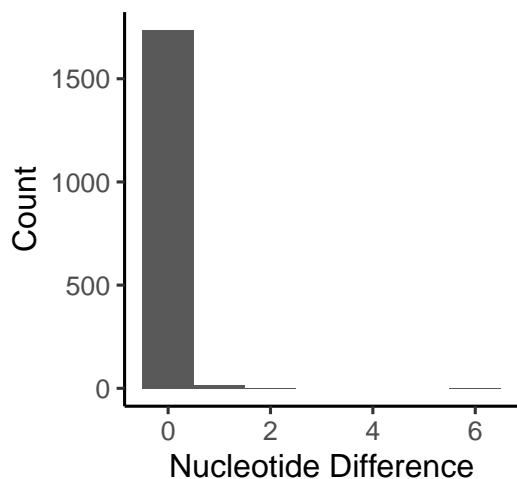
TRBV15*ap02

4667 sequences assigned
4618 (99%) exact matches, in which:
4509 unique CDR3
13 unique J



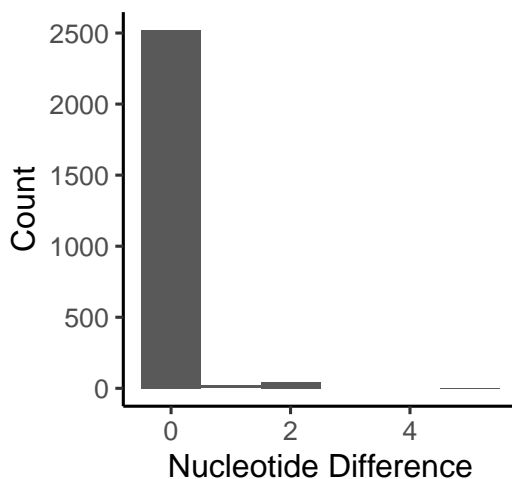
TRBV10-2*ap01

1755 sequences assigned
1736 (98.9%) exact matches, in which:
1712 unique CDR3
13 unique J



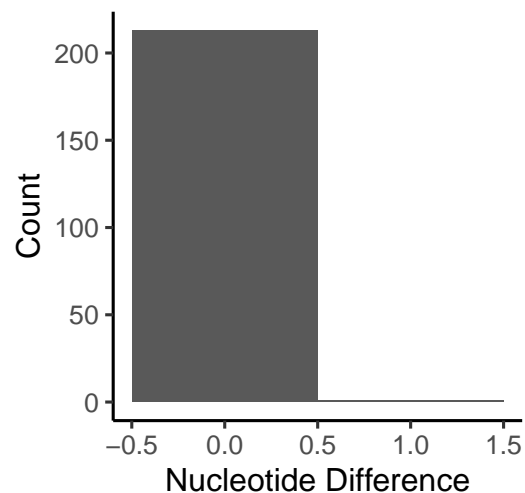
TRBV13*ap01

2589 sequences assigned
2521 (97.4%) exact matches, in which:
2446 unique CDR3
13 unique J



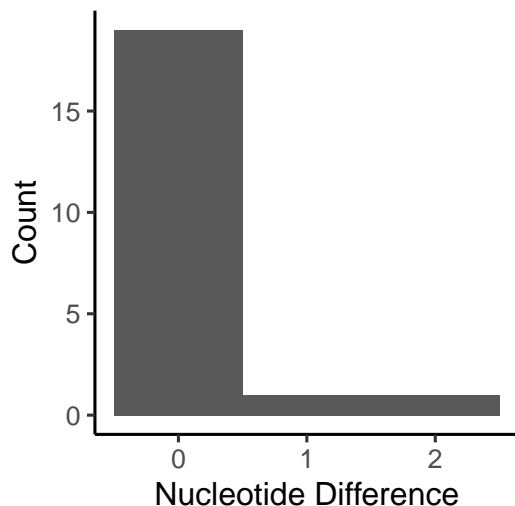
TRBV16*ap01

214 sequences assigned
213 (99.5%) exact matches, in which:
212 unique CDR3
13 unique J



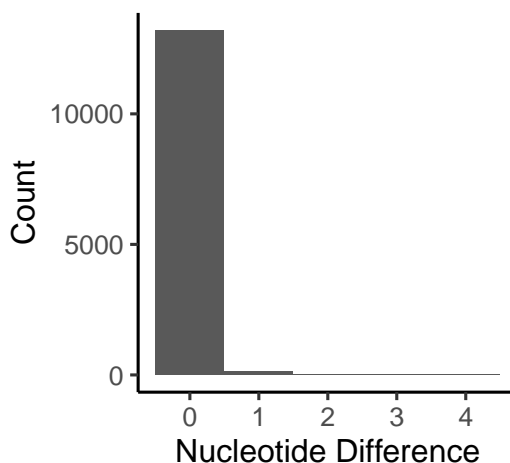
TRBV17*ap01

21 sequences assigned
19 (90.5%) exact matches, in which:
19 unique CDR3
10 unique J



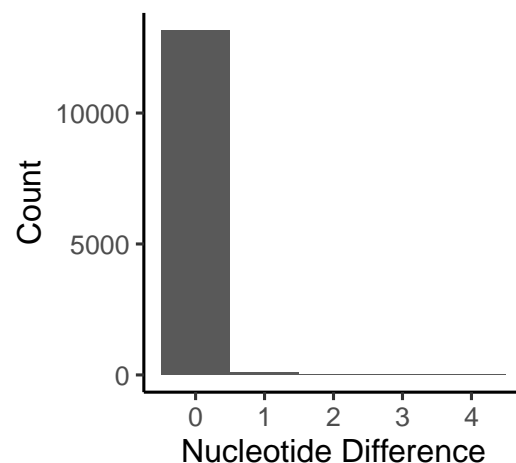
TRBV2*ap01

13370 sequences assigned
13207 (98.8%) exact matches, in which:
12942 unique CDR3
13 unique J



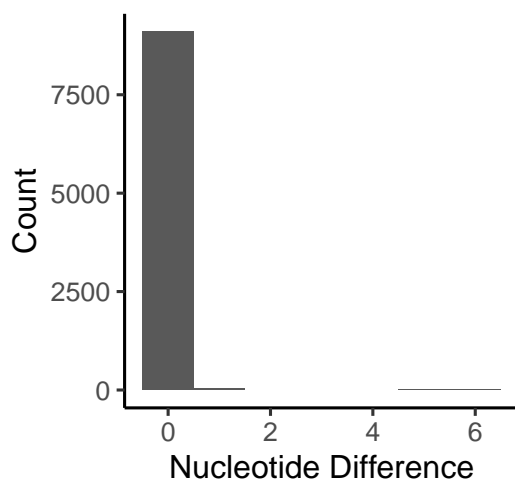
TRBV28*ap01

13272 sequences assigned
13165 (99.2%) exact matches, in which:
12978 unique CDR3
13 unique J



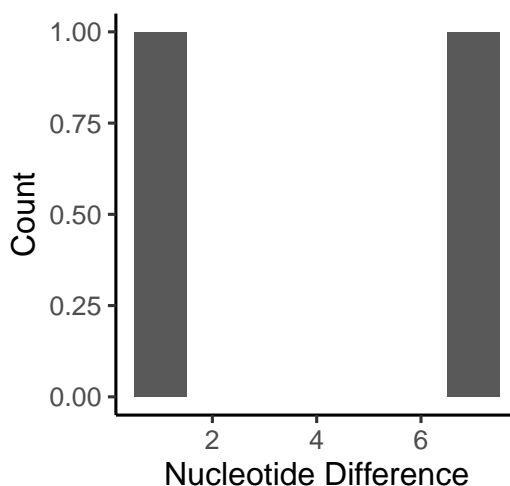
TRBV18*ap01

9142 sequences assigned
9101 (99.6%) exact matches, in which:
9033 unique CDR3
13 unique J



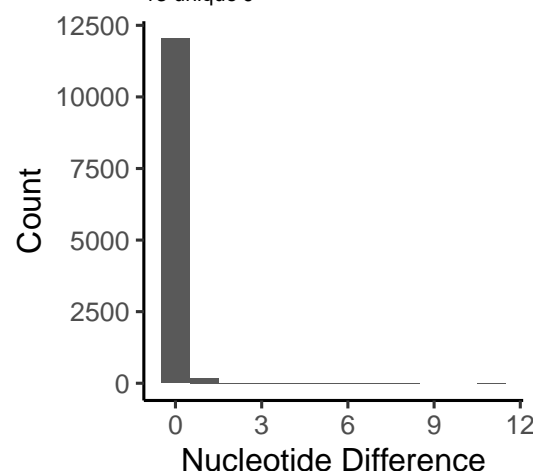
TRBV26*ap01

2 sequences assigned
No exact matches.



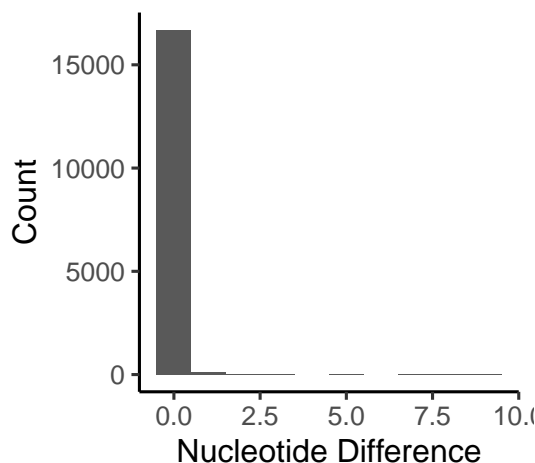
TRBV30*ap01

12246 sequences assigned
12041 (98.3%) exact matches, in which:
11807 unique CDR3
13 unique J



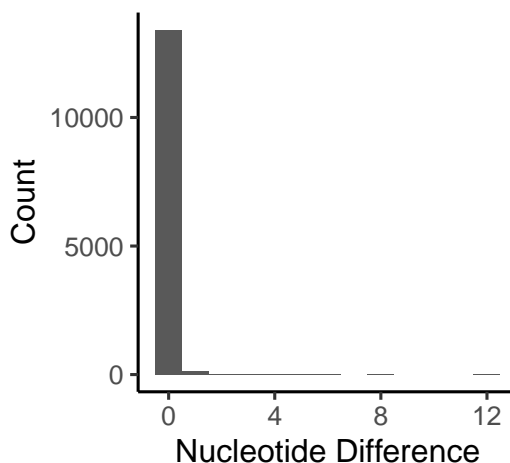
TRBV19*ap01

16831 sequences assigned
16696 (99.2%) exact matches, in which:
16578 unique CDR3
13 unique J



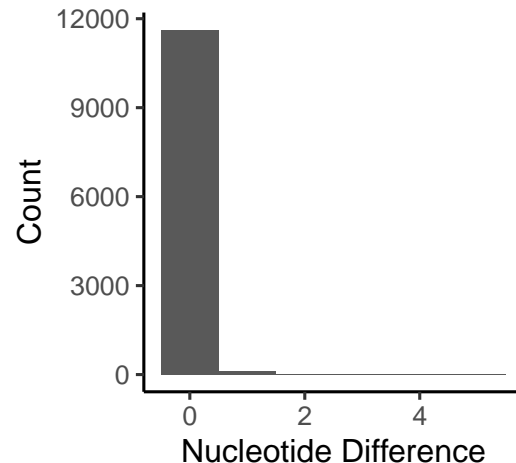
TRBV27*ap01

13559 sequences assigned
13411 (98.9%) exact matches, in which:
13094 unique CDR3
13 unique J



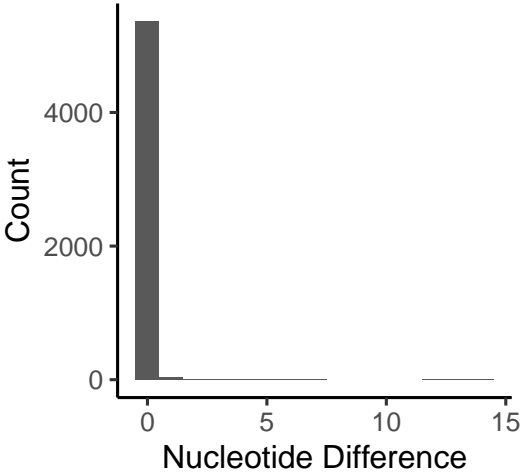
TRBV9*ap01

11745 sequences assigned
11626 (99%) exact matches, in which:
11445 unique CDR3
13 unique J



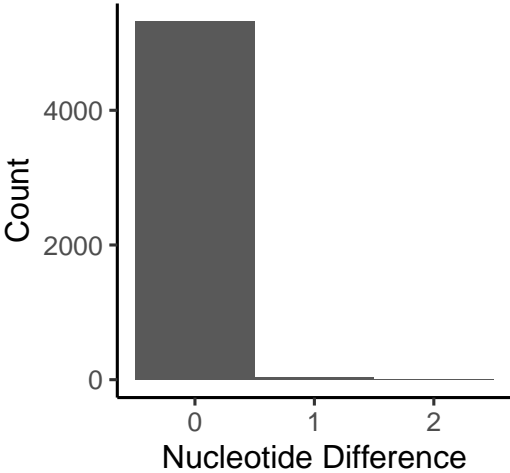
TRBV21-1*ap01

5434 sequences assigned
5363 (98.7%) exact matches, in which:
5313 unique CDR3
13 unique J



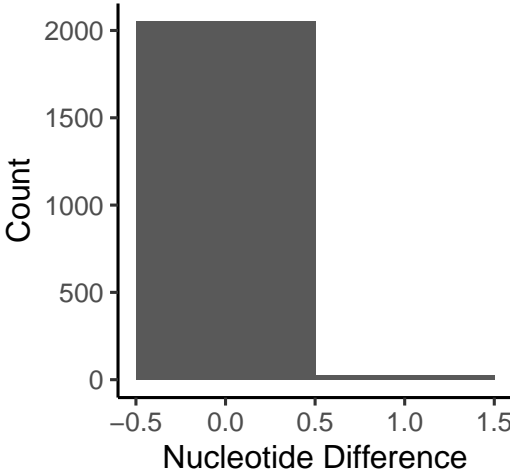
TRBV11-3*ap01

5352 sequences assigned
5320 (99.4%) exact matches, in which:
5251 unique CDR3
13 unique J



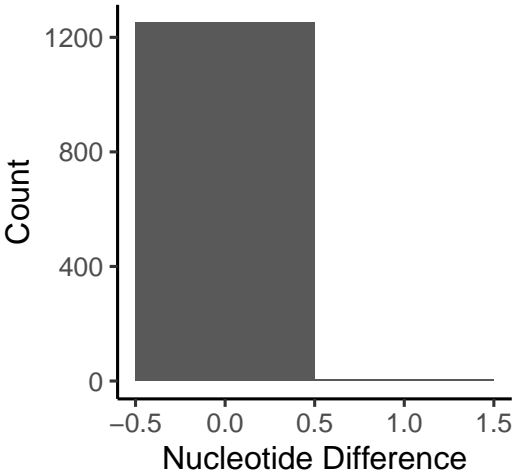
TRBV12-5*ap01

2076 sequences assigned
2052 (98.8%) exact matches, in which:
2015 unique CDR3
13 unique J



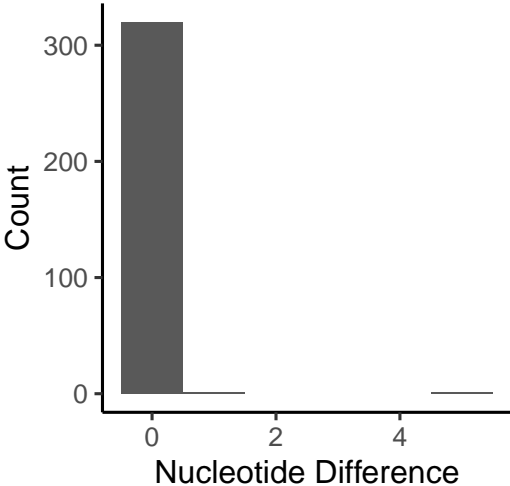
TRBV11-1*ap01

1256 sequences assigned
1251 (99.6%) exact matches, in which:
1242 unique CDR3
13 unique J



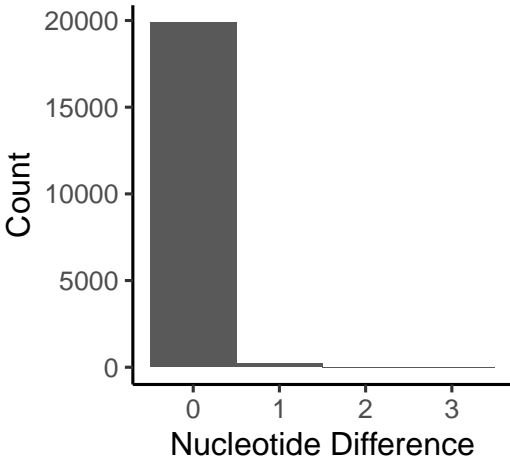
TRBV12-1*ap01

322 sequences assigned
320 (99.4%) exact matches, in which:
317 unique CDR3
13 unique J



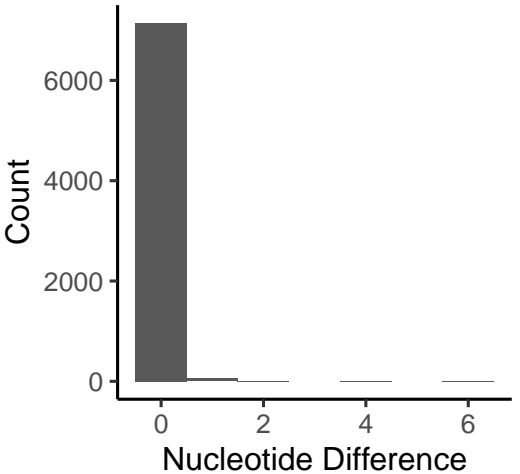
TRBV12-34*ap01

20101 sequences assigned
19887 (98.9%) exact matches, in which:
19537 unique CDR3
13 unique J



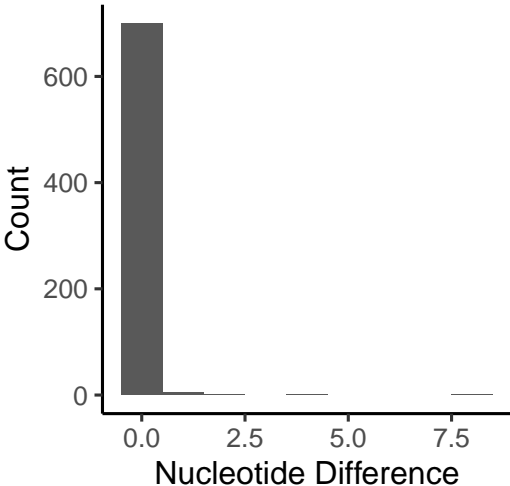
TRBV11-2*ap01

7203 sequences assigned
7144 (99.2%) exact matches, in which:
7037 unique CDR3
13 unique J



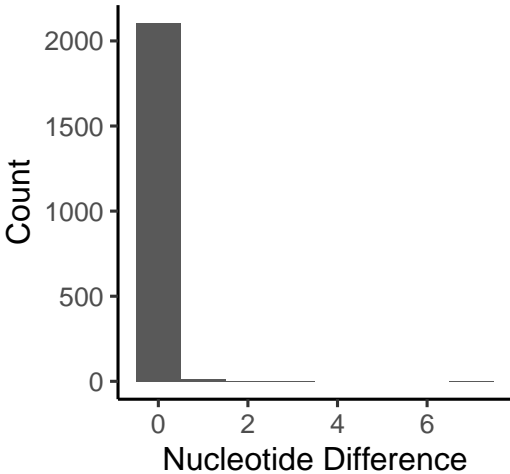
TRBV12-2*ap01

708 sequences assigned
700 (98.9%) exact matches, in which:
688 unique CDR3
13 unique J



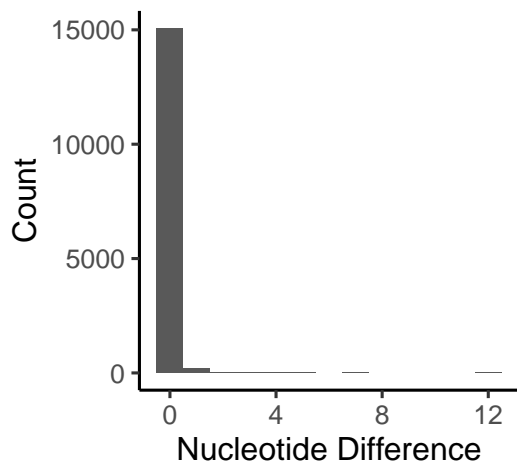
TRBV23-1*ap01

2124 sequences assigned
2105 (99.1%) exact matches, in which:
2079 unique CDR3
13 unique J



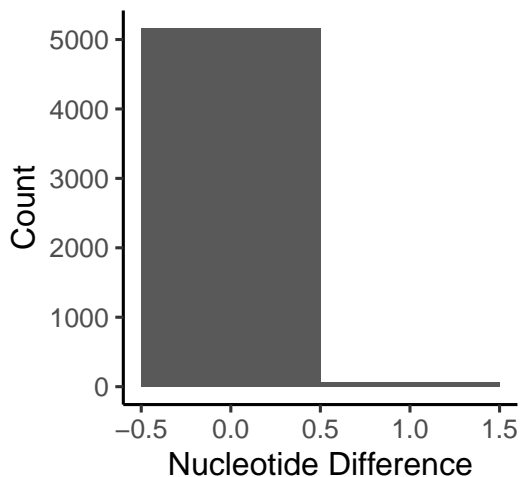
TRBV3–12*ap01

15269 sequences assigned
15074 (98.7%) exact matches, in which:
14804 unique CDR3
13 unique J



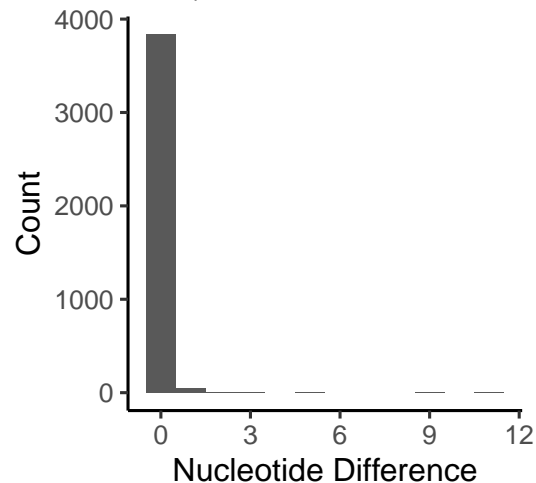
TRBV4–2*ap01

5229 sequences assigned
5160 (98.7%) exact matches, in which:
5047 unique CDR3
13 unique J



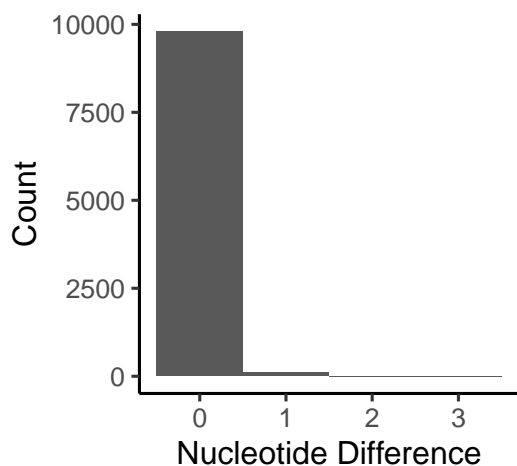
TRBV25–1*ap01

3892 sequences assigned
3836 (98.6%) exact matches, in which:
3733 unique CDR3
13 unique J



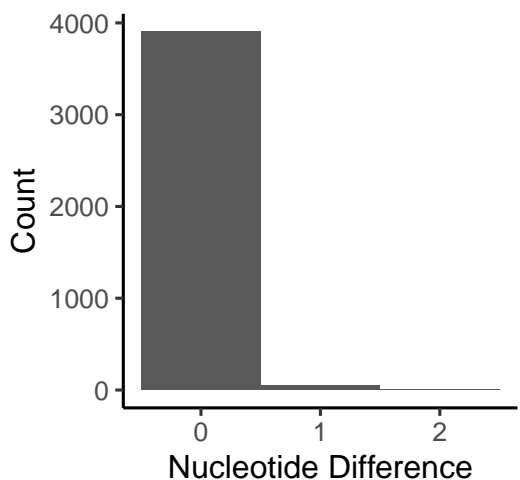
TRBV4–1*ap01

9903 sequences assigned
9798 (98.9%) exact matches, in which:
9559 unique CDR3
13 unique J



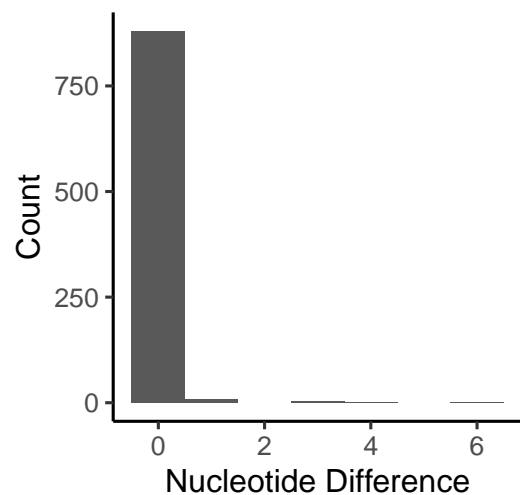
TRBV4–3*ap01

3954 sequences assigned
3904 (98.7%) exact matches, in which:
3822 unique CDR3
13 unique J



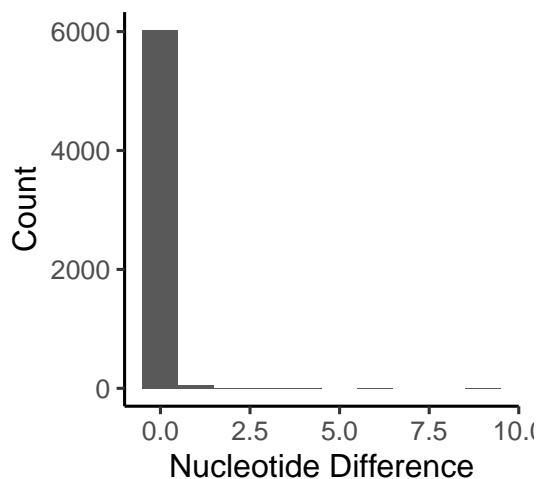
TRBV5–3*ap01

894 sequences assigned
880 (98.4%) exact matches, in which:
864 unique CDR3
13 unique J



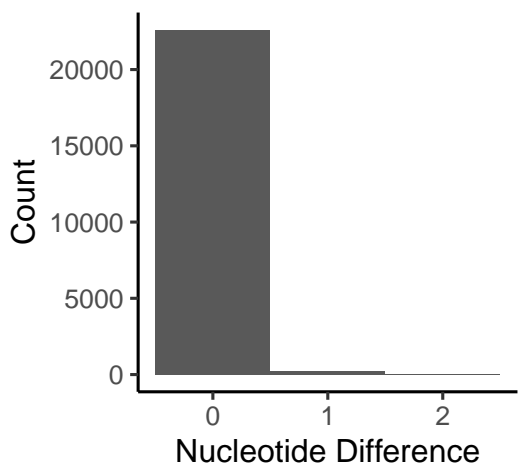
TRBV24–1*ap01

6102 sequences assigned
6026 (98.8%) exact matches, in which:
5898 unique CDR3
13 unique J



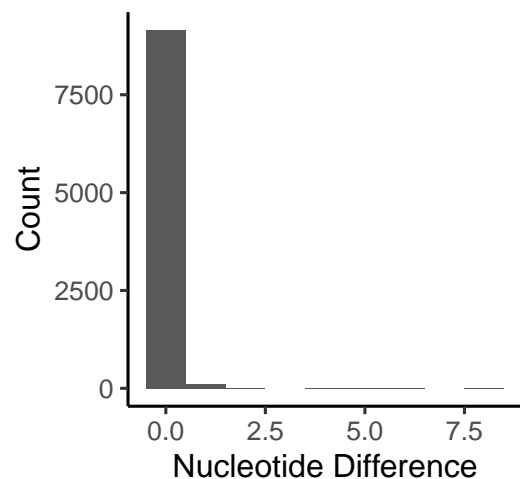
TRBV5–1*ap01

22860 sequences assigned
22608 (98.9%) exact matches, in which:
22095 unique CDR3
13 unique J



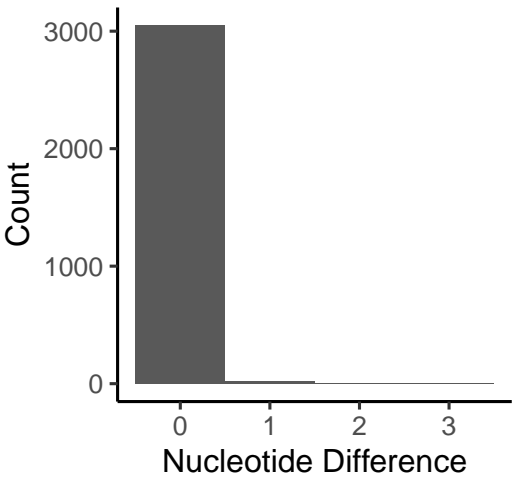
TRBV5–4*ap01

9266 sequences assigned
9154 (98.8%) exact matches, in which:
8968 unique CDR3
13 unique J



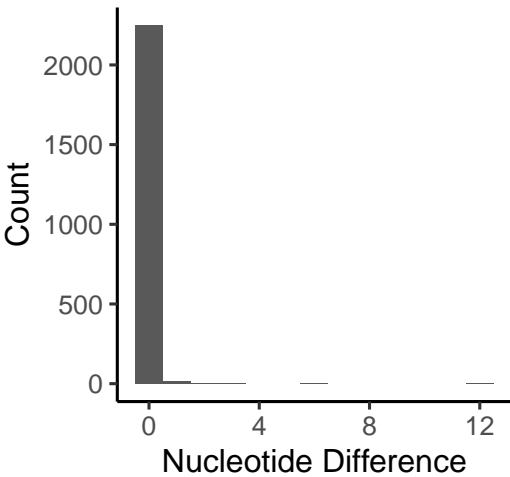
TRBV5-5*ap01

3074 sequences assigned
3049 (99.2%) exact matches, in which:
3029 unique CDR3
13 unique J



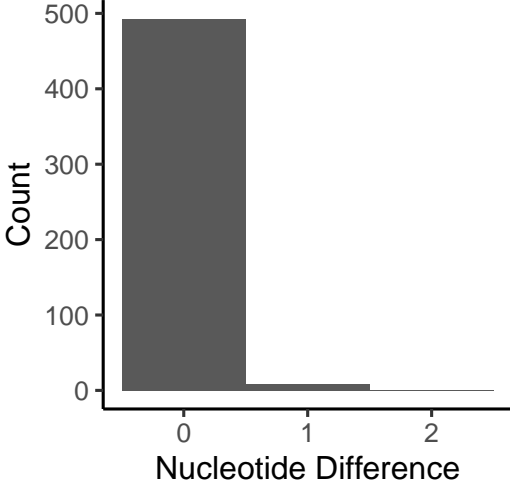
TRBV5-8*ap01

2275 sequences assigned
2248 (98.8%) exact matches, in which:
2222 unique CDR3
13 unique J



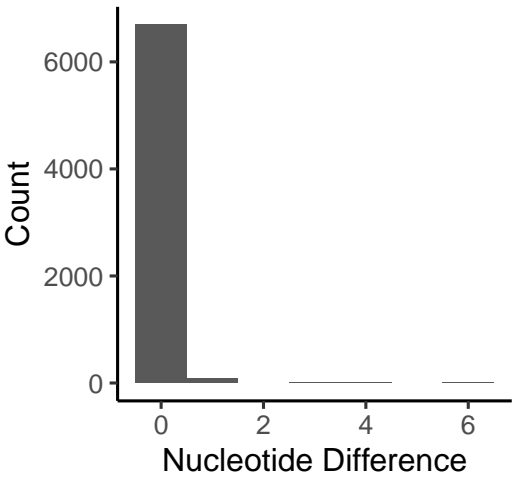
TRBV6-7*ap01

503 sequences assigned
493 (98%) exact matches, in which:
483 unique CDR3
13 unique J



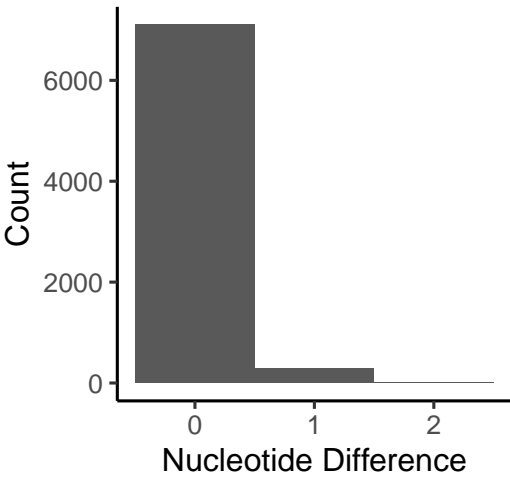
TRBV5-6*ap01

6783 sequences assigned
6694 (98.7%) exact matches, in which:
6499 unique CDR3
13 unique J



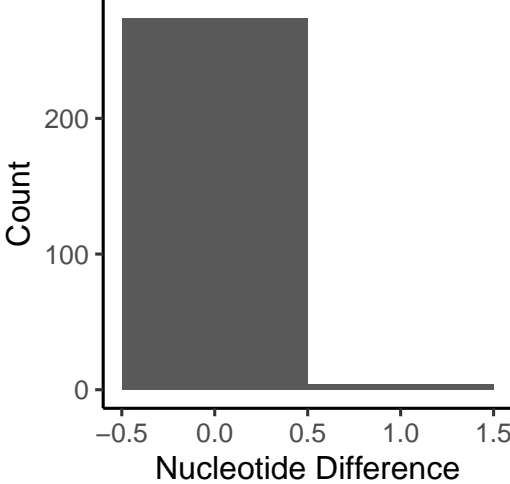
TRBV6-1*ap01

7399 sequences assigned
7103 (96%) exact matches, in which:
6921 unique CDR3
13 unique J



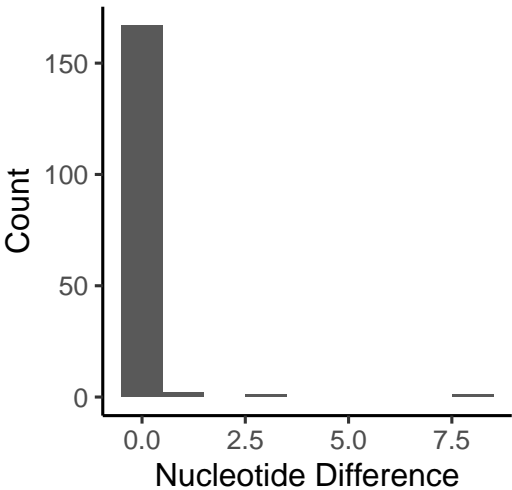
TRBV6-8*ap01

278 sequences assigned
274 (98.6%) exact matches, in which:
270 unique CDR3
13 unique J



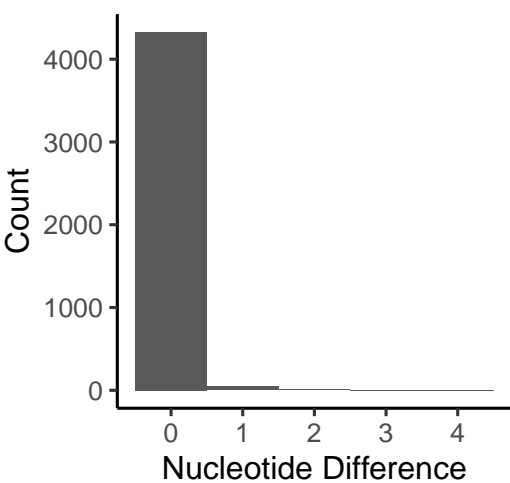
TRBV5-7*ap01

171 sequences assigned
167 (97.7%) exact matches, in which:
160 unique CDR3
13 unique J



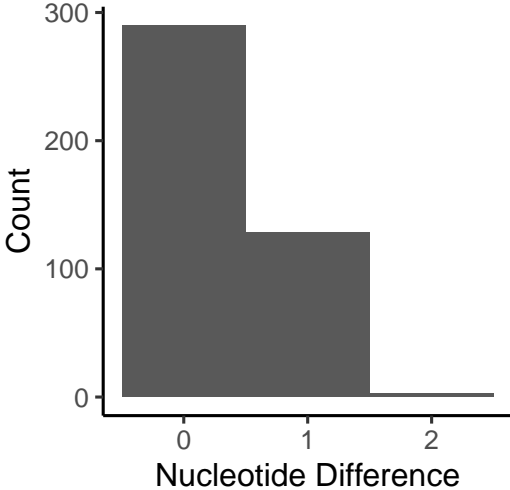
TRBV6-4*ap01

4387 sequences assigned
4328 (98.7%) exact matches, in which:
4275 unique CDR3
13 unique J



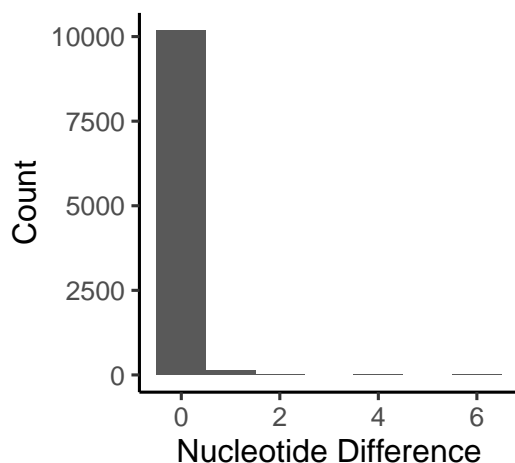
TRBV6-9*ap01

421 sequences assigned
290 (68.9%) exact matches, in which:
278 unique CDR3
13 unique J



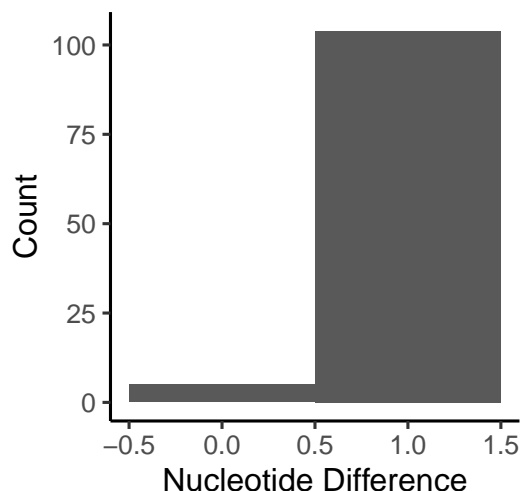
TRBV6-23*ap01

10322 sequences assigned
10190 (98.7%) exact matches, in which:
9853 unique CDR3
13 unique J



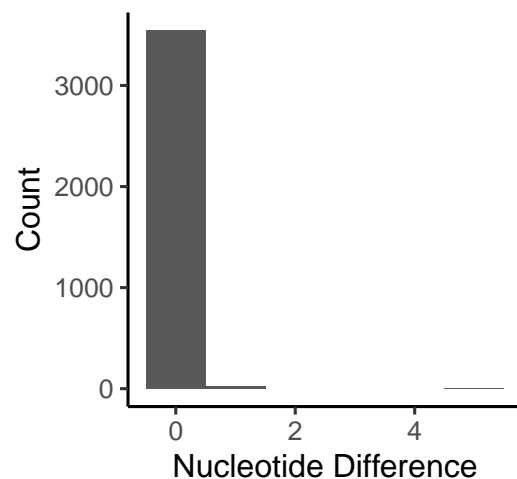
TRBV7-1*ap01_T296C

109 sequences assigned
5 (4.6%) exact matches, in which:
5 unique CDR3
4 unique J



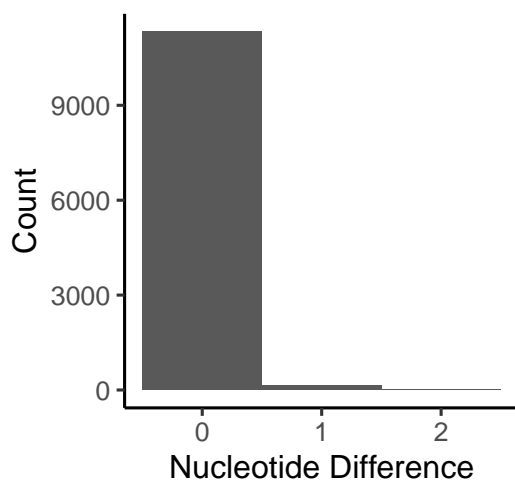
TRBV7-3*ap01

3572 sequences assigned
3545 (99.2%) exact matches, in which:
3509 unique CDR3
13 unique J



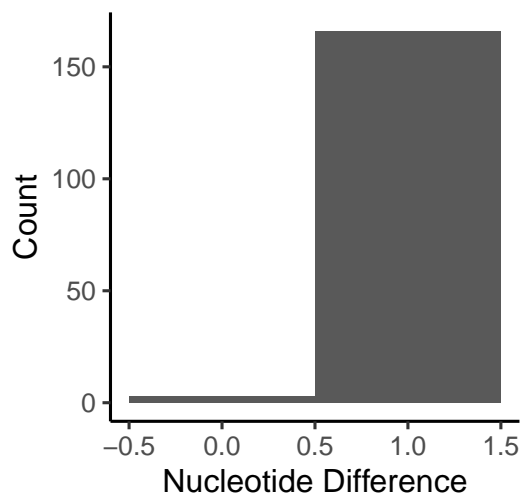
TRBV6-56*ap01

11466 sequences assigned
11326 (98.8%) exact matches, in which:
11012 unique CDR3
13 unique J



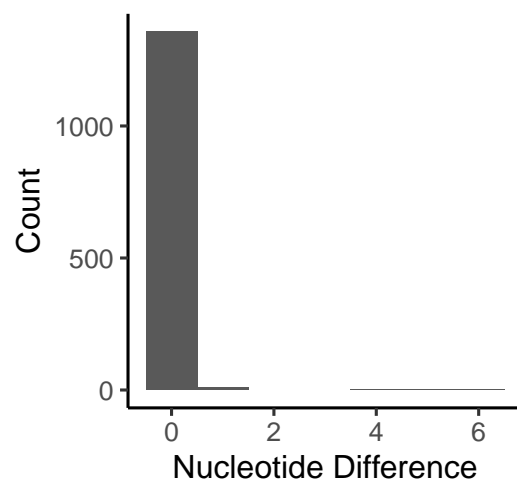
TRBV7-1*ap01_T296C_()

169 sequences assigned
3 (1.8%) exact matches, in which:
3 unique CDR3
3 unique J



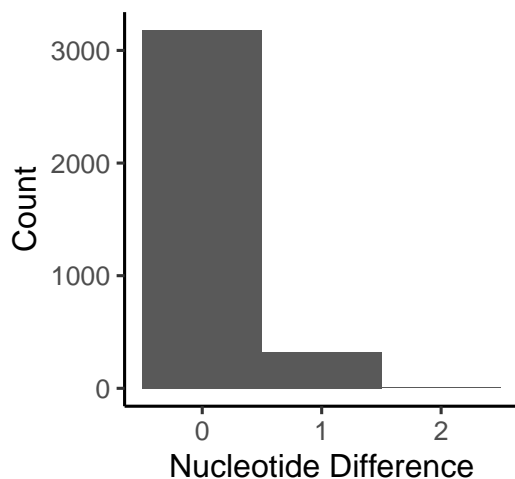
TRBV7-3*ap03

1369 sequences assigned
1357 (99.1%) exact matches, in which:
1345 unique CDR3
13 unique J



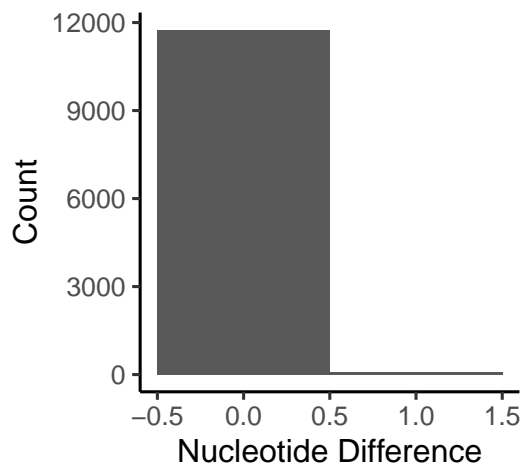
TRBV6-56*ap02

3512 sequences assigned
3181 (90.6%) exact matches, in which:
3103 unique CDR3
13 unique J



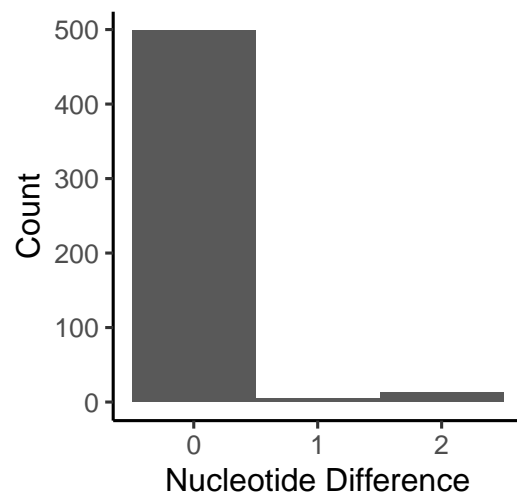
TRBV7-2*ap01

11823 sequences assigned
11753 (99.4%) exact matches, in which:
11595 unique CDR3
13 unique J



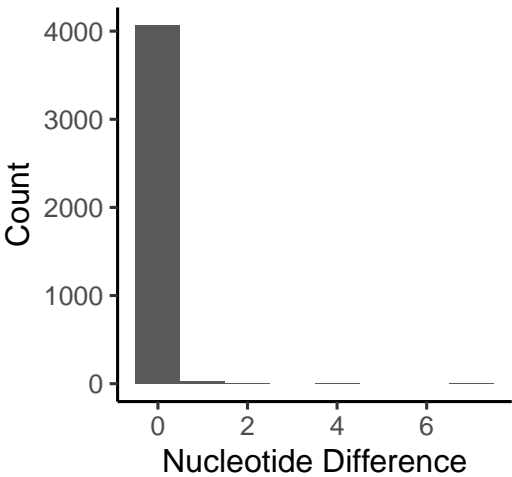
TRBV7-4*ap01

517 sequences assigned
499 (96.5%) exact matches, in which:
494 unique CDR3
13 unique J



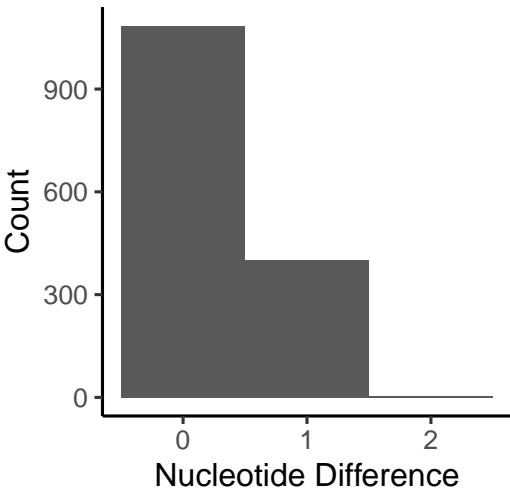
TRBV7-6*ap01

4098 sequences assigned
4065 (99.2%) exact matches, in which:
3977 unique CDR3
13 unique J



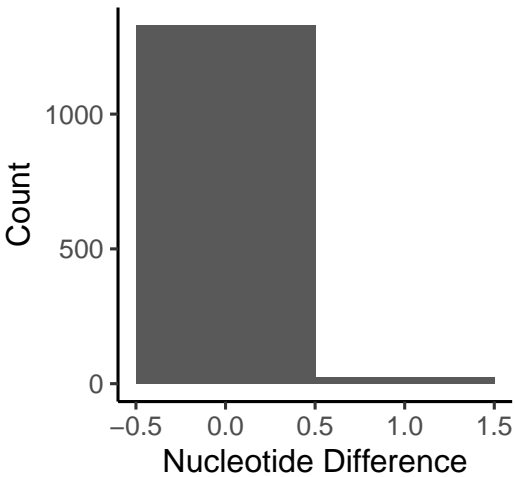
TRBV7-8*ap03

1489 sequences assigned
1085 (72.9%) exact matches, in which:
1066 unique CDR3
13 unique J



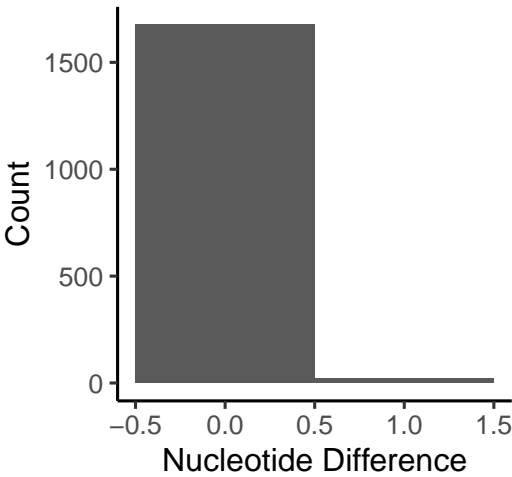
TRBV29-1*ap02

1352 sequences assigned
1329 (98.3%) exact matches, in which:
1289 unique CDR3
13 unique J



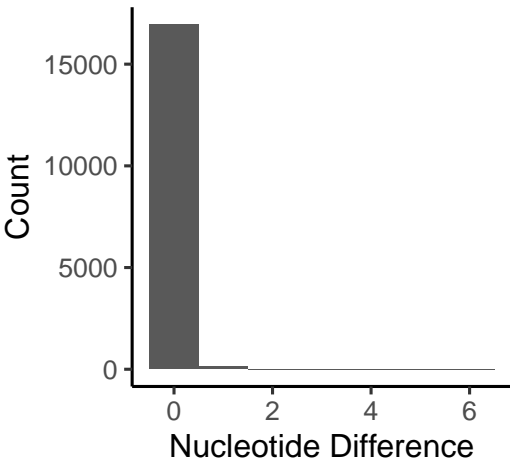
TRBV7-7*ap01_C315T

1696 sequences assigned
1676 (98.8%) exact matches, in which:
1649 unique CDR3
13 unique J



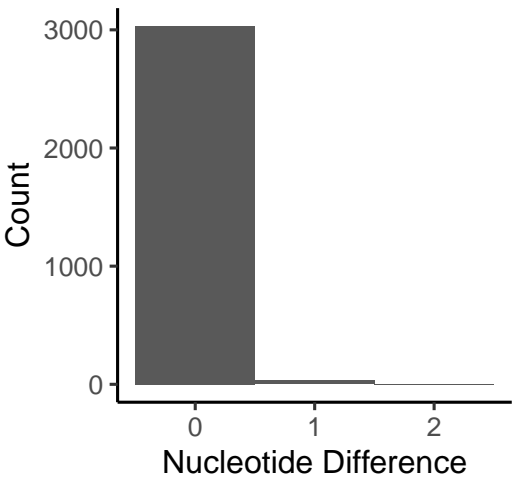
TRBV7-9*ap01

17087 sequences assigned
16951 (99.2%) exact matches, in which:
16707 unique CDR3
14 unique J



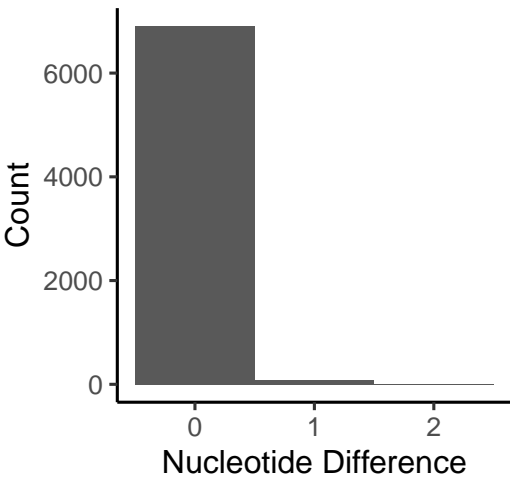
TRBV7-8*ap01

3066 sequences assigned
3032 (98.9%) exact matches, in which:
2980 unique CDR3
13 unique J

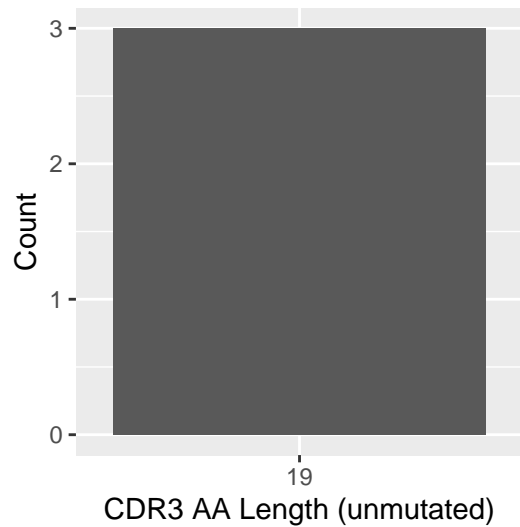


TRBV29-1*ap01

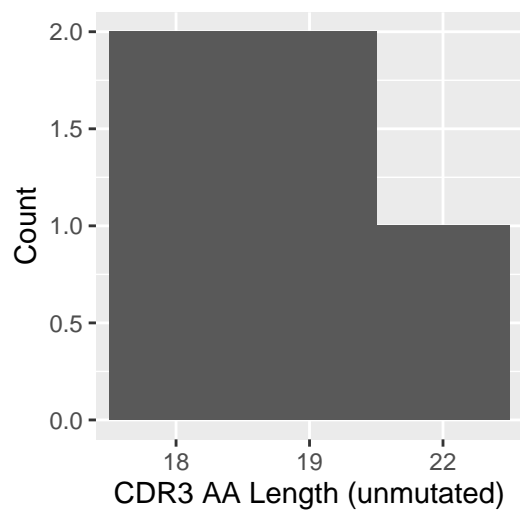
6995 sequences assigned
6907 (98.7%) exact matches, in which:
6724 unique CDR3
13 unique J



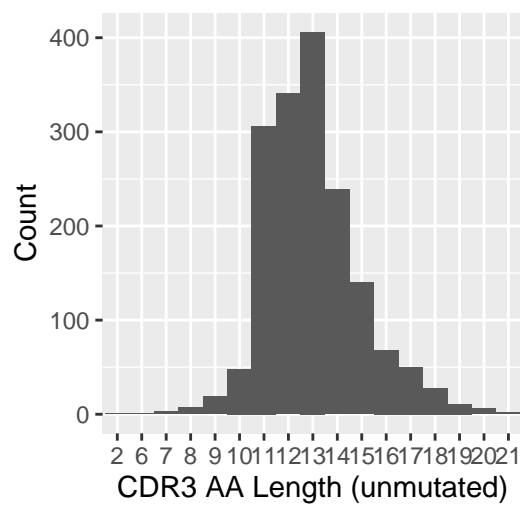
TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]