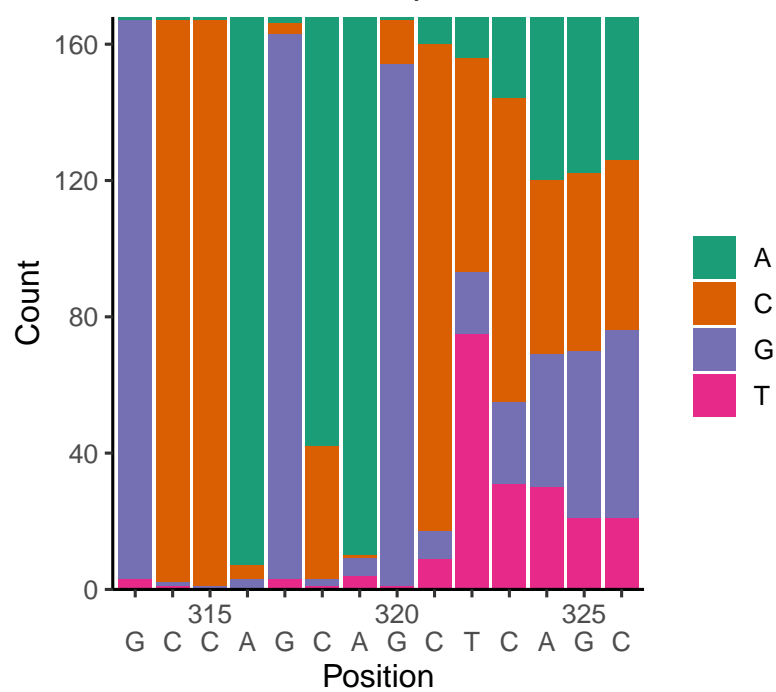
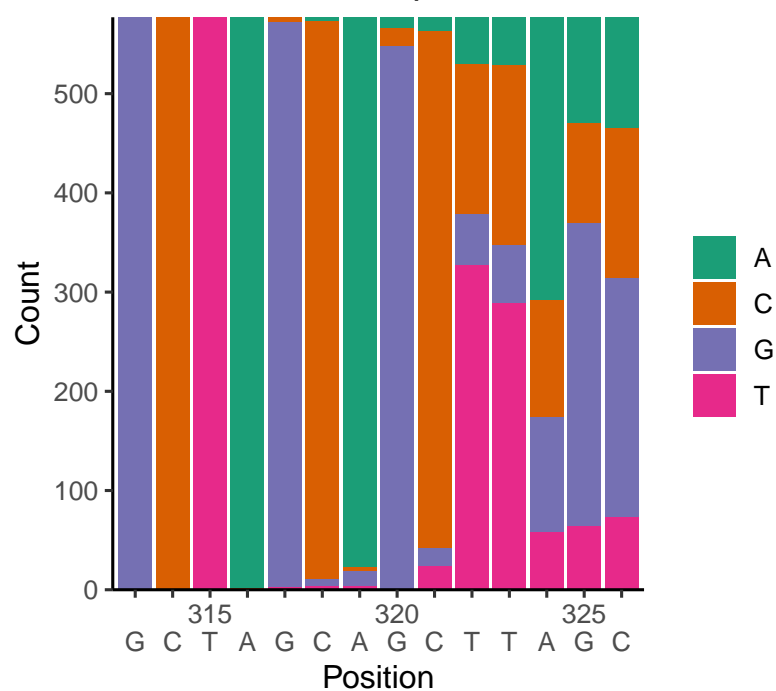


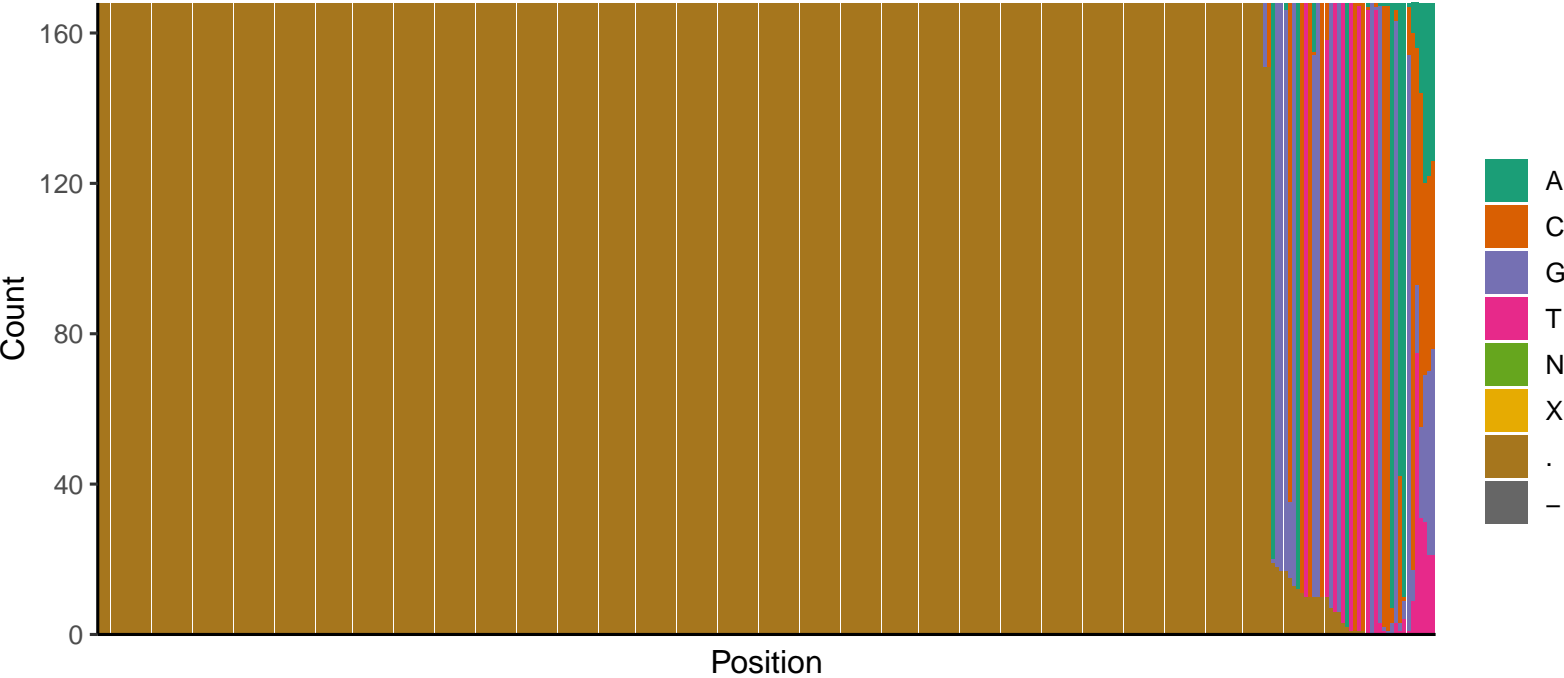
Gene TRBV7-1*ap01_T296C



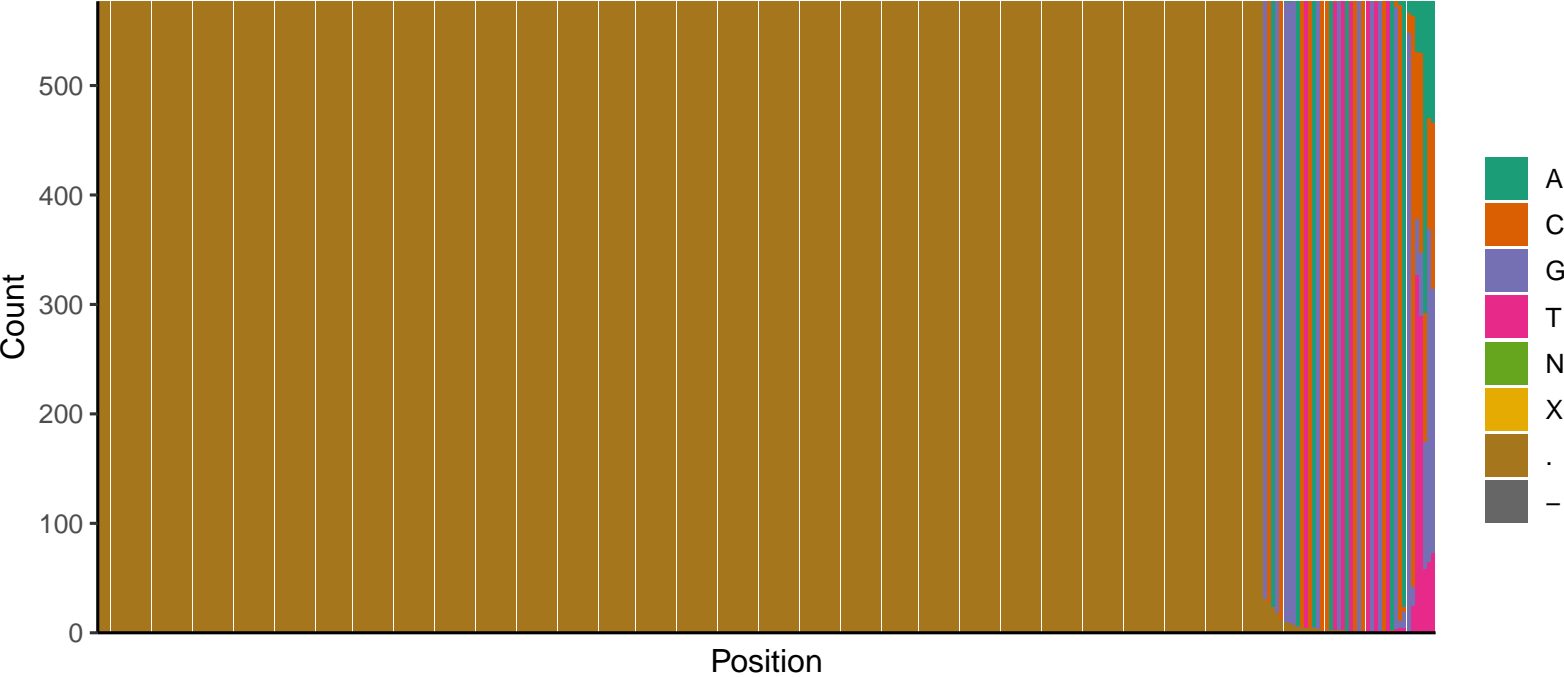
Gene TRBV7-7*ap01_C315T



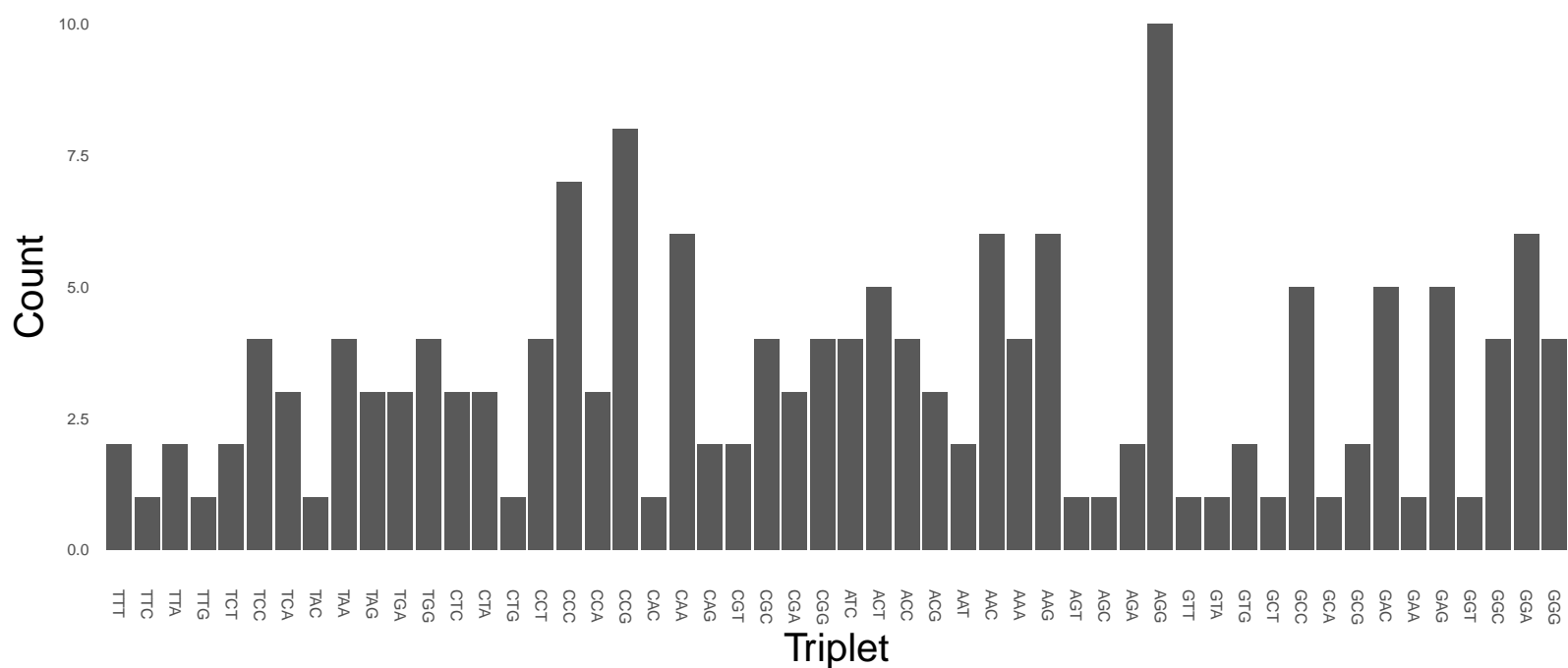
Gene TRBV7-1*ap01_T296C



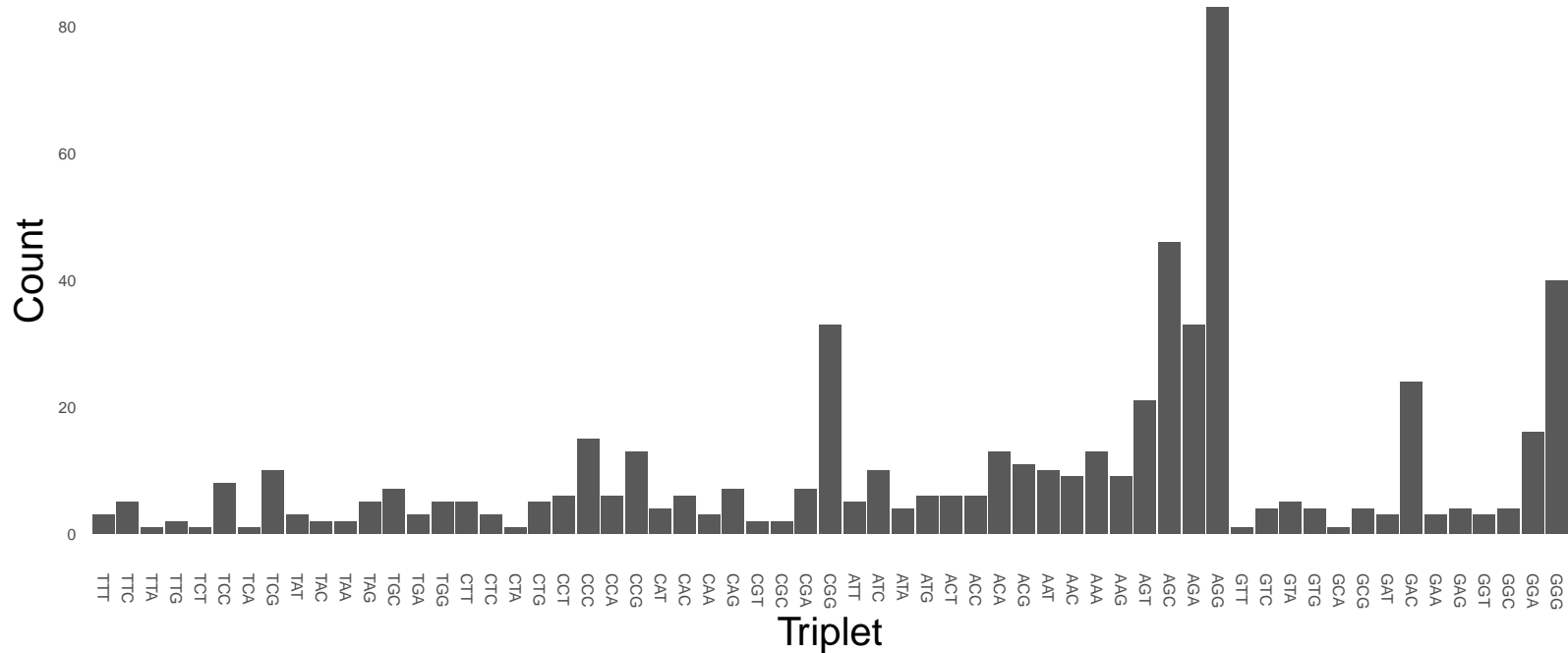
Gene TRBV7-7*ap01_C315T



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

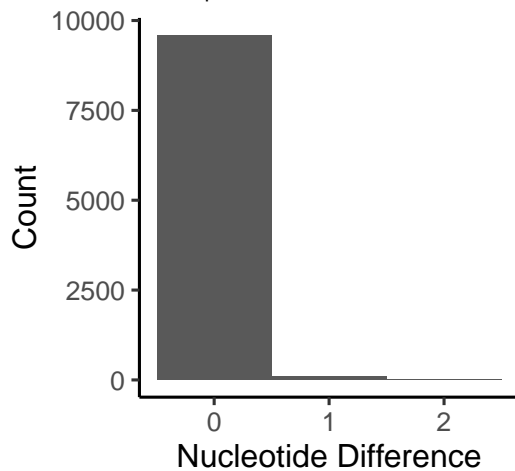


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



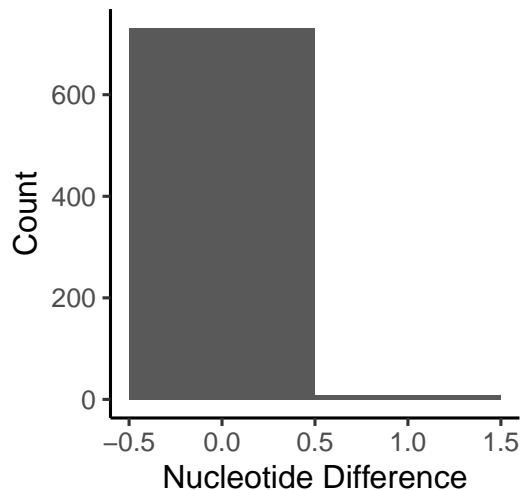
TRBV20-1*ap01

9703 sequences assigned
9593 (98.9%) exact matches, in which:
9431 unique CDR3
13 unique J



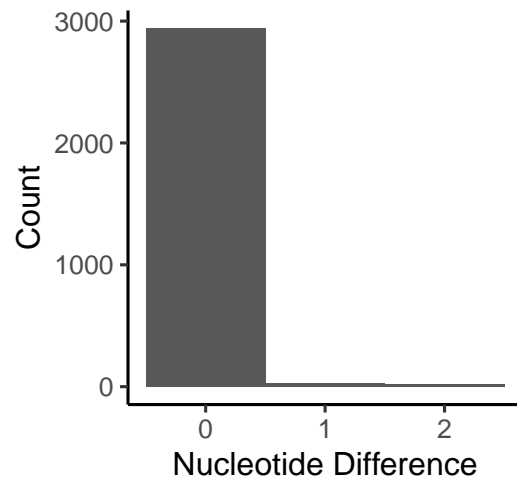
TRBV10-2*ap01

740 sequences assigned
732 (98.9%) exact matches, in which:
717 unique CDR3
13 unique J



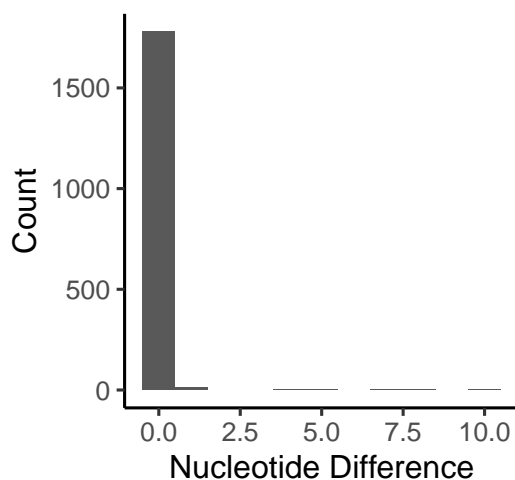
TRBV13*ap01

2989 sequences assigned
2940 (98.4%) exact matches, in which:
2865 unique CDR3
13 unique J



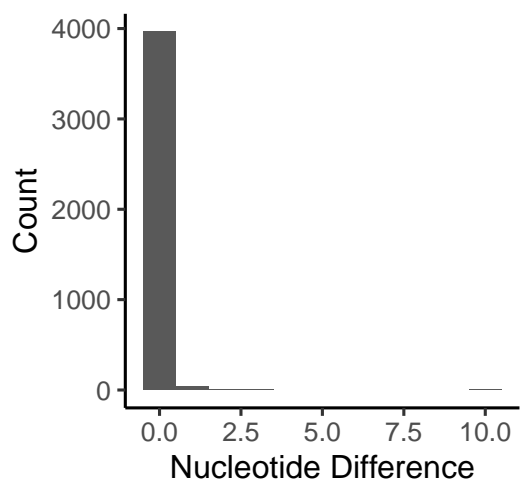
TRBV10-1*ap01

1798 sequences assigned
1779 (98.9%) exact matches, in which:
1743 unique CDR3
13 unique J



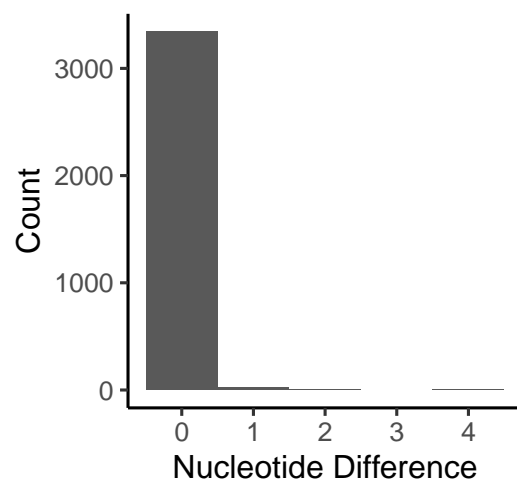
TRBV10-3*ap01

4012 sequences assigned
3965 (98.8%) exact matches, in which:
3858 unique CDR3
13 unique J



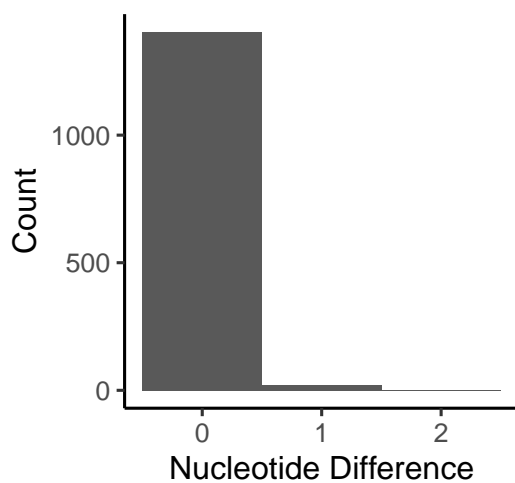
TRBV14*ap01

3369 sequences assigned
3342 (99.2%) exact matches, in which:
3281 unique CDR3
13 unique J



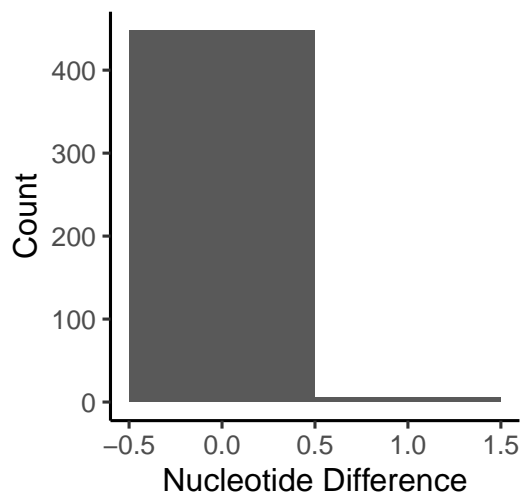
TRBV20-1*ap02

1427 sequences assigned
1404 (98.4%) exact matches, in which:
1375 unique CDR3
13 unique J



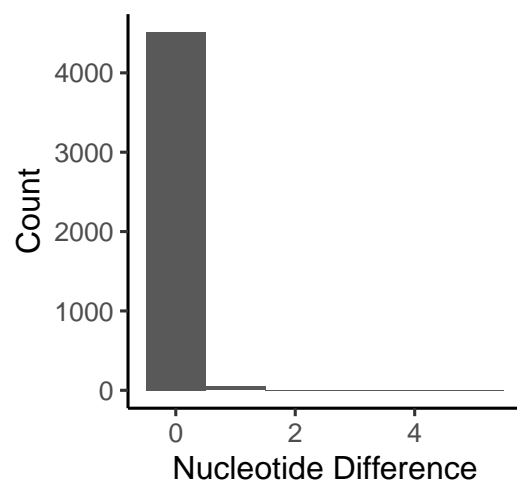
TRBV1*ap01

453 sequences assigned
448 (98.9%) exact matches, in which:
438 unique CDR3
13 unique J



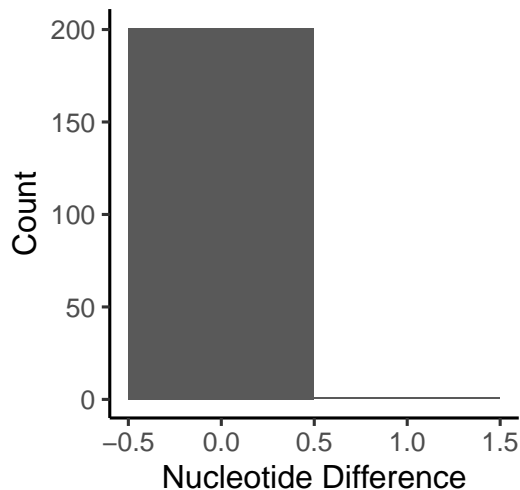
TRBV15*ap02

4567 sequences assigned
4514 (98.8%) exact matches, in which:
4416 unique CDR3
13 unique J



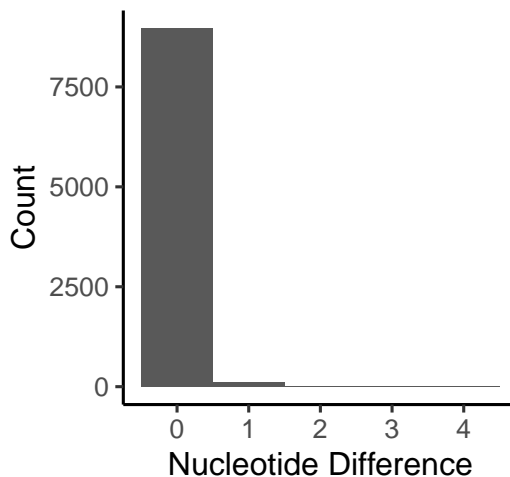
TRBV16*ap01

202 sequences assigned
201 (99.5%) exact matches, in which:
199 unique CDR3
13 unique J



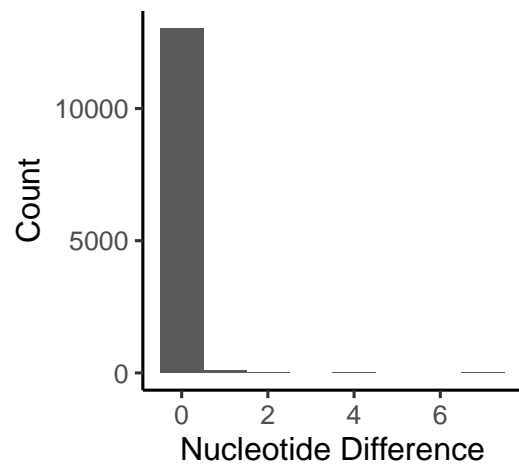
TRBV2*ap01

9091 sequences assigned
8964 (98.6%) exact matches, in which:
8764 unique CDR3
13 unique J



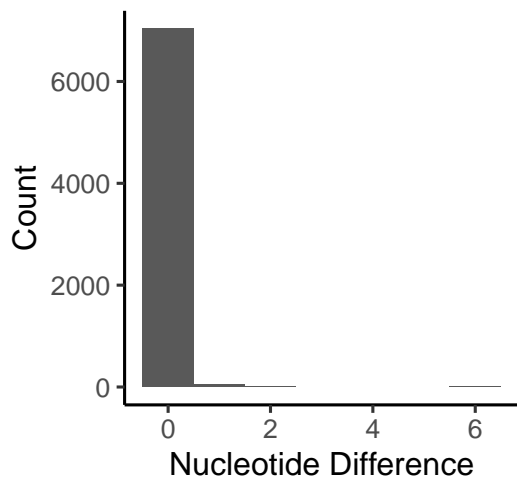
TRBV28*ap01

13160 sequences assigned
13040 (99.1%) exact matches, in which:
12764 unique CDR3
13 unique J



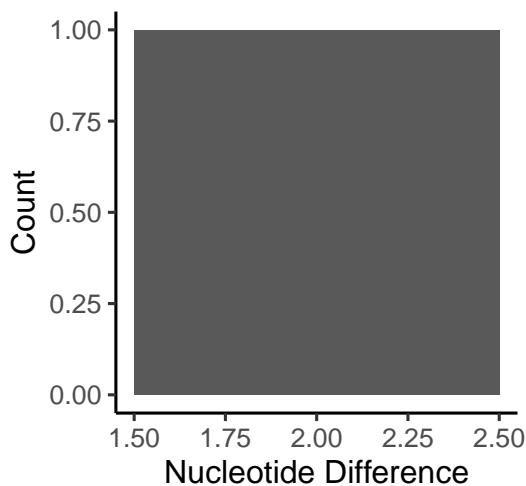
TRBV18*ap01

7085 sequences assigned
7036 (99.3%) exact matches, in which:
6954 unique CDR3
13 unique J



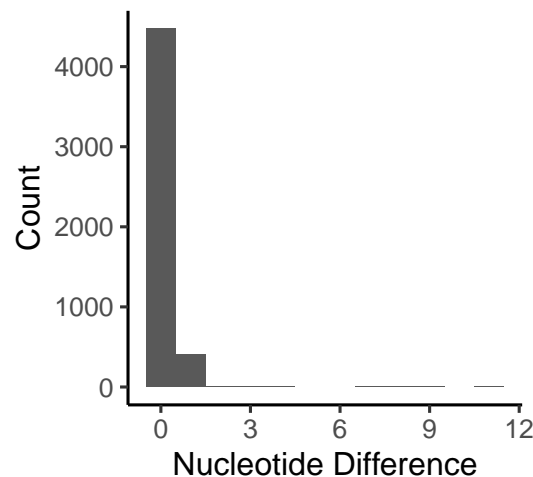
TRBV26*ap01

1 sequences assigned
No exact matches.



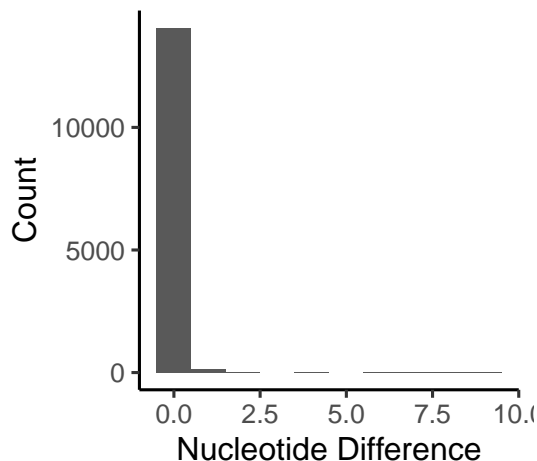
TRBV30*ap01

4892 sequences assigned
4473 (91.4%) exact matches, in which:
4399 unique CDR3
13 unique J



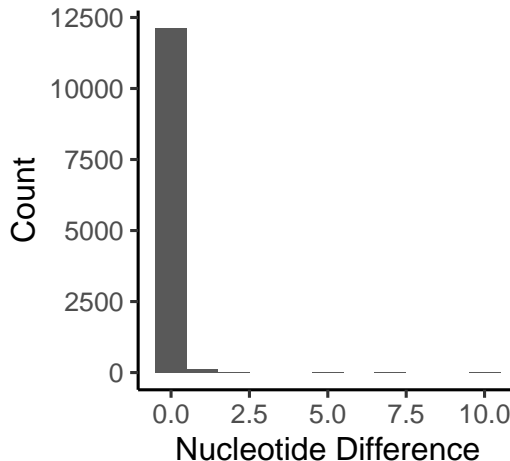
TRBV19*ap01

14201 sequences assigned
14063 (99%) exact matches, in which:
13876 unique CDR3
13 unique J



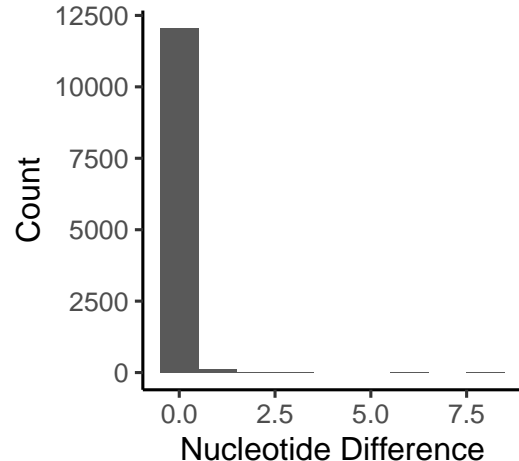
TRBV27*ap01

12266 sequences assigned
12137 (98.9%) exact matches, in which:
11839 unique CDR3
13 unique J



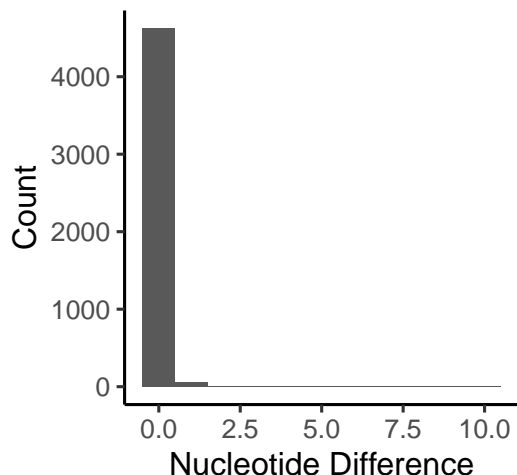
TRBV9*ap01

12186 sequences assigned
12067 (99%) exact matches, in which:
11842 unique CDR3
13 unique J



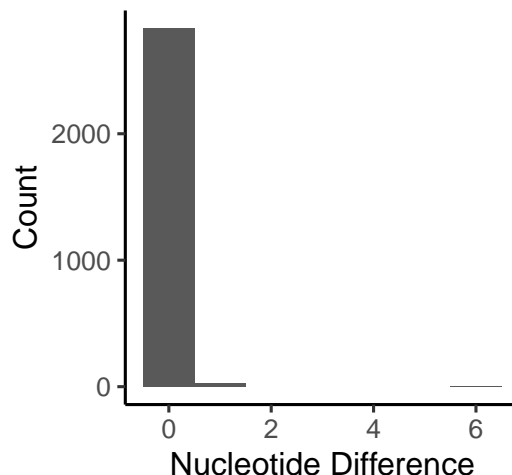
TRBV21-1*ap01

4697 sequences assigned
4623 (98.4%) exact matches, in which:
4559 unique CDR3
13 unique J



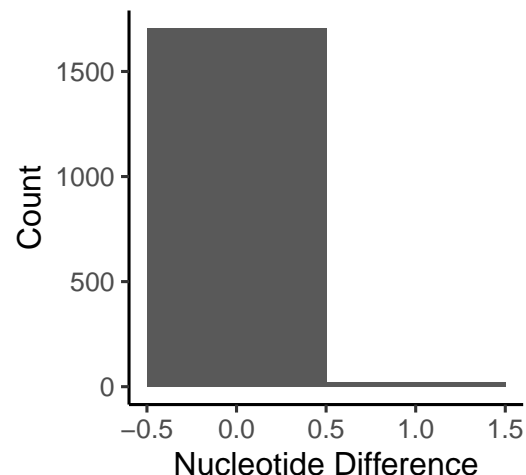
TRBV11-3*ap01

2860 sequences assigned
2833 (99.1%) exact matches, in which:
2770 unique CDR3
13 unique J



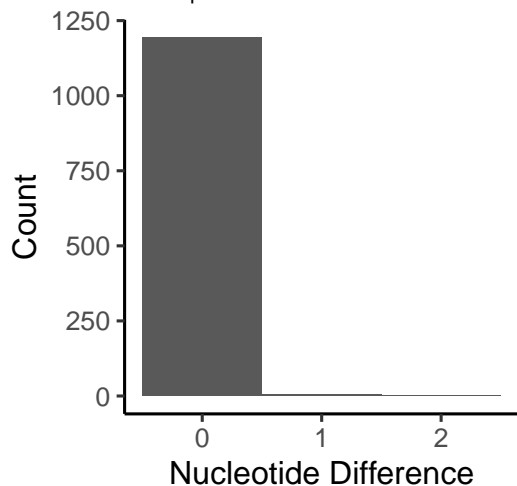
TRBV12-5*ap01

1728 sequences assigned
1705 (98.7%) exact matches, in which:
1659 unique CDR3
13 unique J



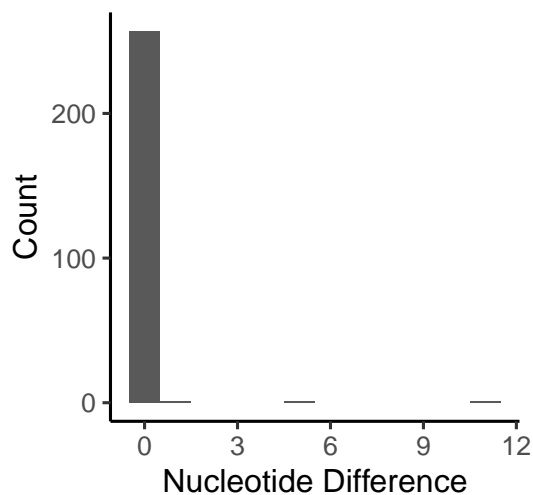
TRBV11-1*ap01

1199 sequences assigned
1193 (99.5%) exact matches, in which:
1169 unique CDR3
13 unique J



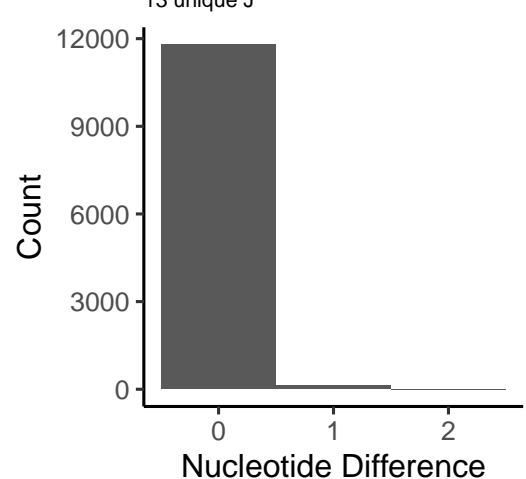
TRBV12-1*ap01

260 sequences assigned
257 (98.8%) exact matches, in which:
255 unique CDR3
13 unique J



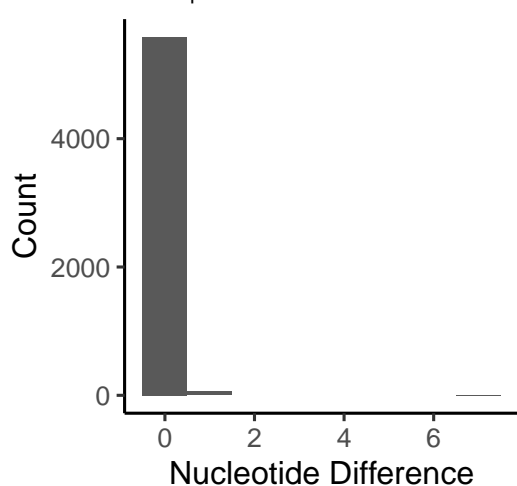
TRBV12-34*ap01

11927 sequences assigned
11801 (98.9%) exact matches, in which:
11542 unique CDR3
13 unique J



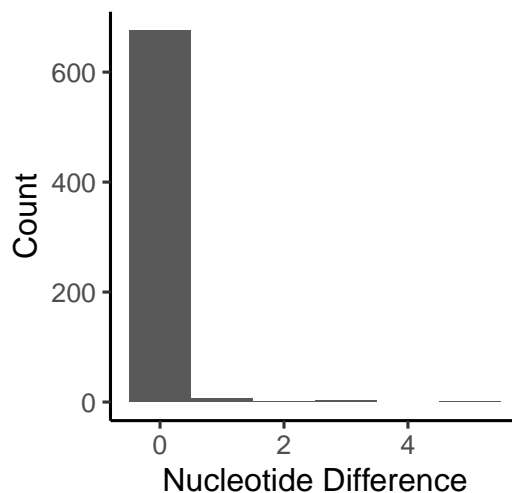
TRBV11-2*ap01

5644 sequences assigned
5584 (98.9%) exact matches, in which:
5441 unique CDR3
13 unique J



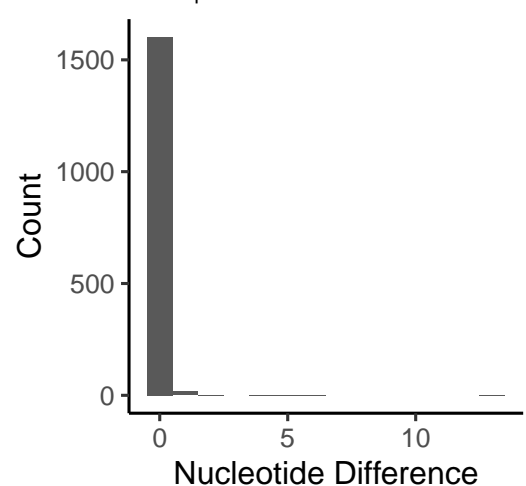
TRBV12-2*ap01

686 sequences assigned
676 (98.5%) exact matches, in which:
662 unique CDR3
13 unique J



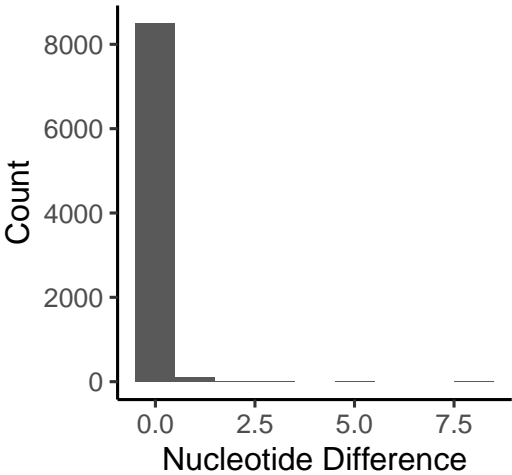
TRBV23-1*ap01

1626 sequences assigned
1602 (98.5%) exact matches, in which:
1575 unique CDR3
13 unique J



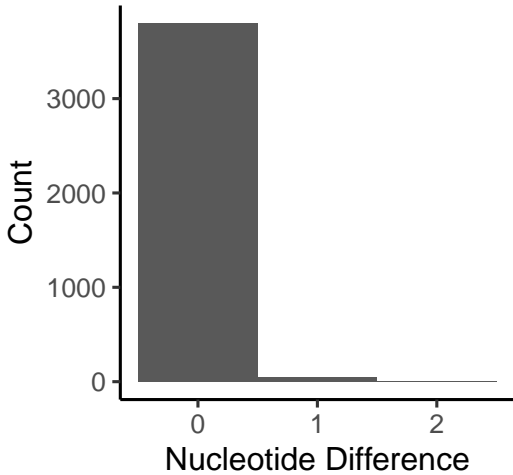
TRBV3-12*ap01

8605 sequences assigned
8496 (98.7%) exact matches, in which:
8315 unique CDR3
13 unique J



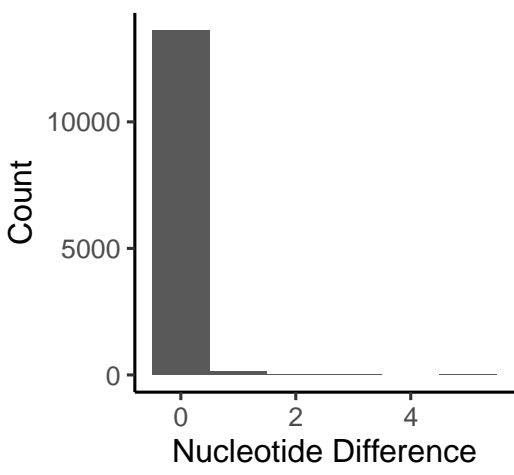
TRBV4-2*ap01

3850 sequences assigned
3797 (98.6%) exact matches, in which:
3725 unique CDR3
13 unique J



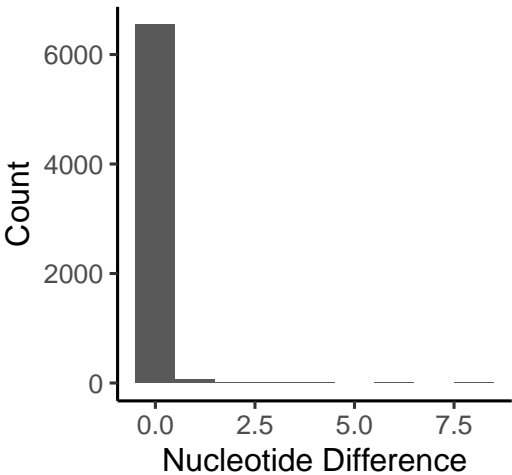
TRBV5-1*ap01

13765 sequences assigned
13624 (99%) exact matches, in which:
13326 unique CDR3
13 unique J



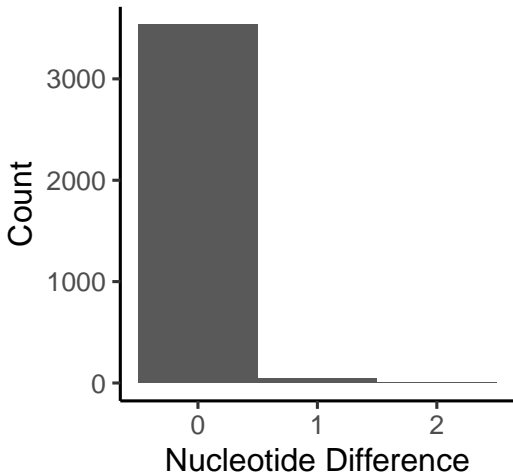
TRBV24-1*ap01

6621 sequences assigned
6544 (98.8%) exact matches, in which:
6441 unique CDR3
13 unique J



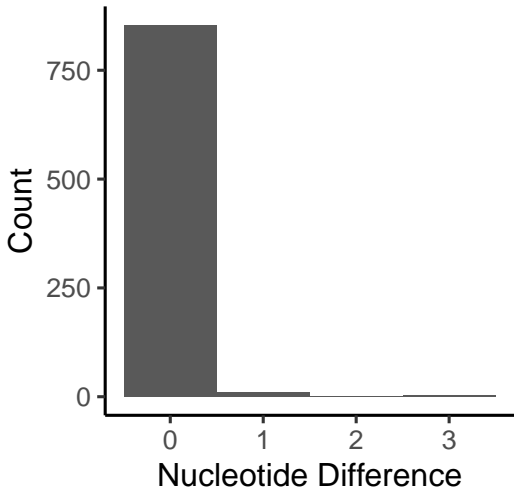
TRBV4-3*ap01

3575 sequences assigned
3534 (98.9%) exact matches, in which:
3453 unique CDR3
13 unique J



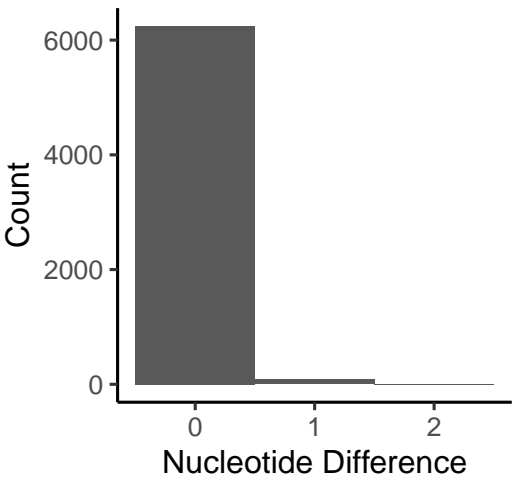
TRBV5-3*ap01

870 sequences assigned
854 (98.2%) exact matches, in which:
836 unique CDR3
13 unique J



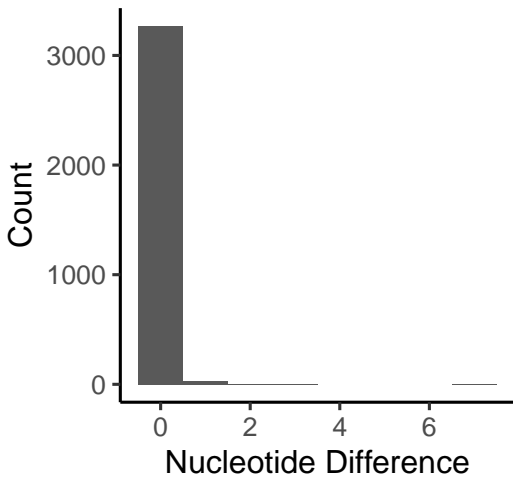
TRBV4-1*ap01

6328 sequences assigned
6245 (98.7%) exact matches, in which:
6136 unique CDR3
13 unique J



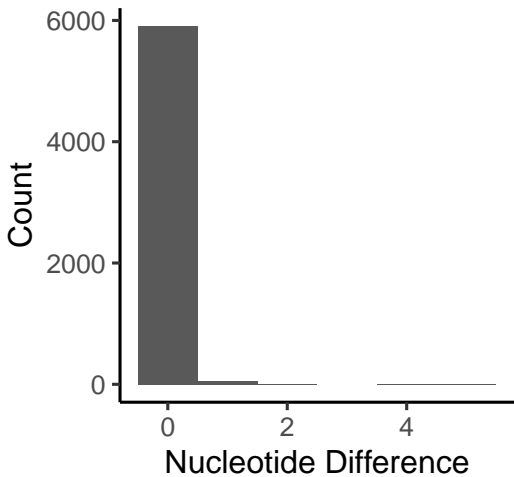
TRBV25-1*ap01

3307 sequences assigned
3268 (98.8%) exact matches, in which:
3212 unique CDR3
13 unique J



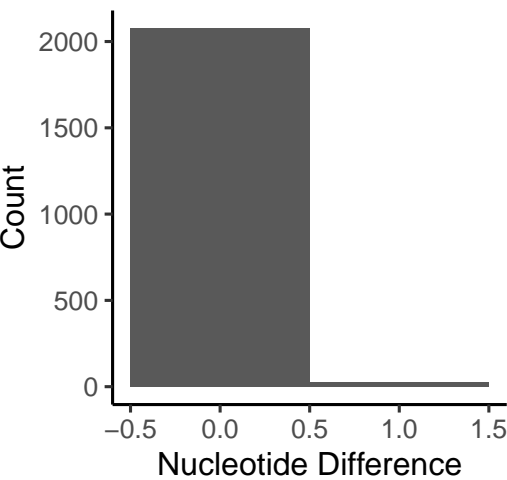
TRBV5-4*ap01

5971 sequences assigned
5907 (98.9%) exact matches, in which:
5772 unique CDR3
13 unique J



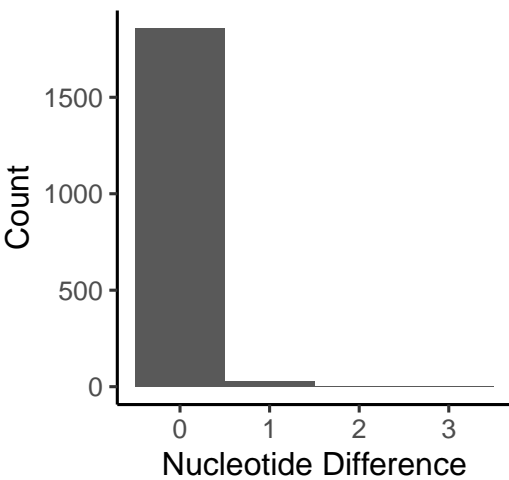
TRBV5-5*ap01

2100 sequences assigned
2076 (98.9%) exact matches, in which:
2051 unique CDR3
13 unique J



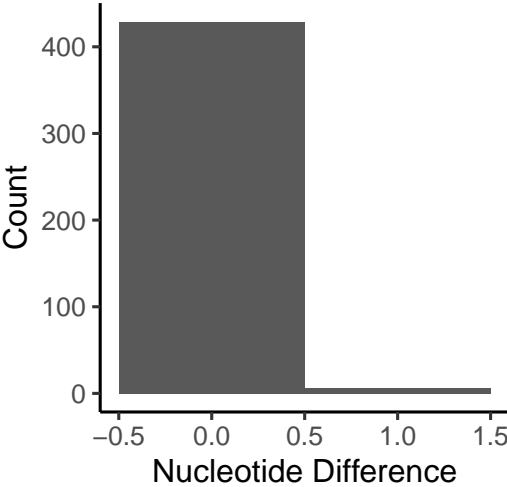
TRBV5-8*ap01

1890 sequences assigned
1857 (98.3%) exact matches, in which:
1819 unique CDR3
13 unique J



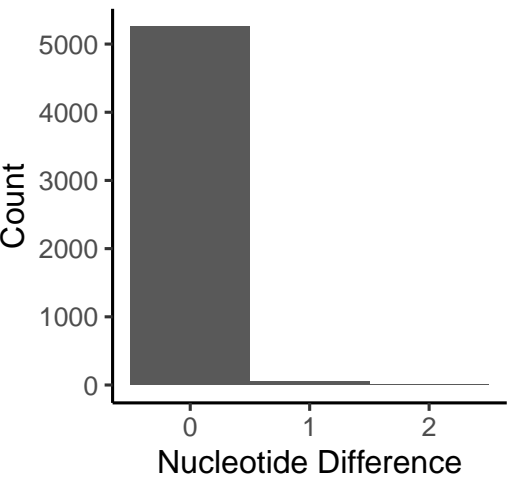
TRBV6-7*ap01

435 sequences assigned
429 (98.6%) exact matches, in which:
419 unique CDR3
13 unique J



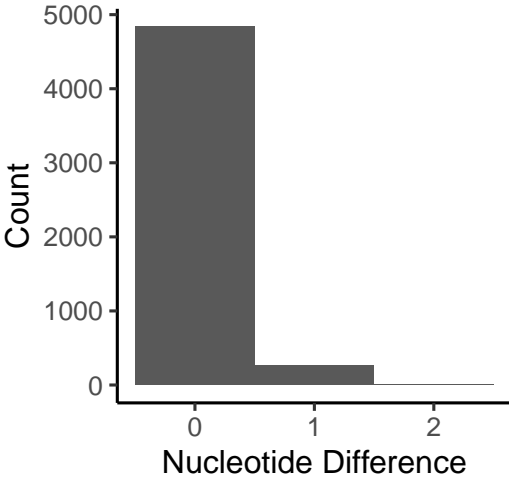
TRBV5-6*ap01

5308 sequences assigned
5254 (99%) exact matches, in which:
5136 unique CDR3
13 unique J



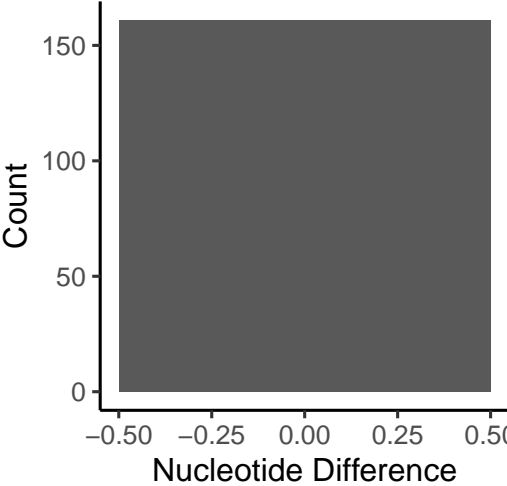
TRBV6-1*ap01

5099 sequences assigned
4837 (94.9%) exact matches, in which:
4745 unique CDR3
13 unique J



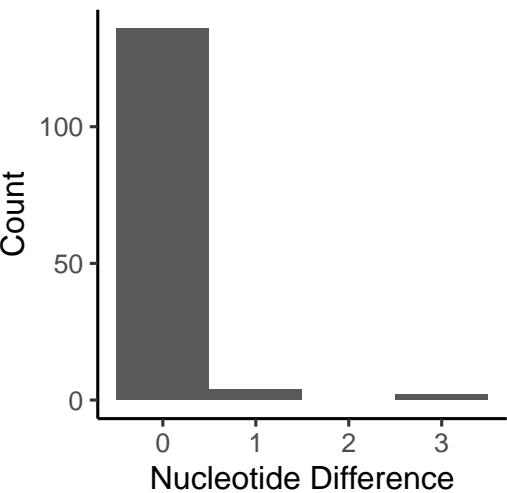
TRBV6-8*ap01

161 sequences assigned
161 (100%) exact matches, in which:
156 unique CDR3
13 unique J



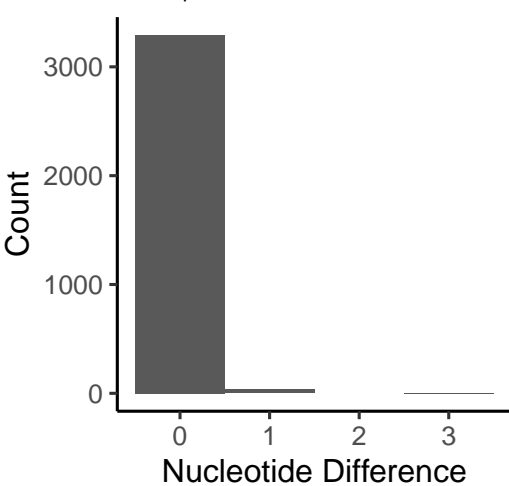
TRBV5-7*ap01

142 sequences assigned
136 (95.8%) exact matches, in which:
134 unique CDR3
13 unique J



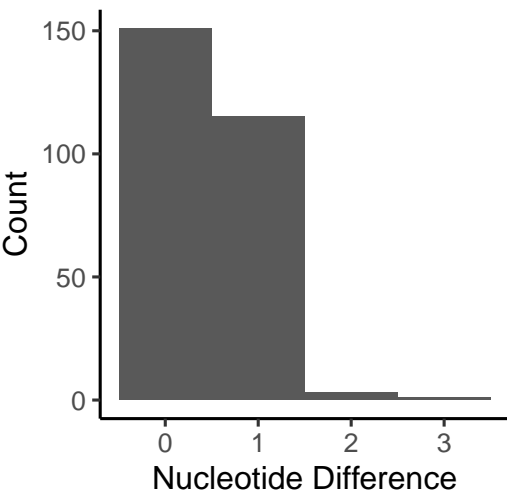
TRBV6-4*ap01

3329 sequences assigned
3292 (98.9%) exact matches, in which:
3247 unique CDR3
13 unique J



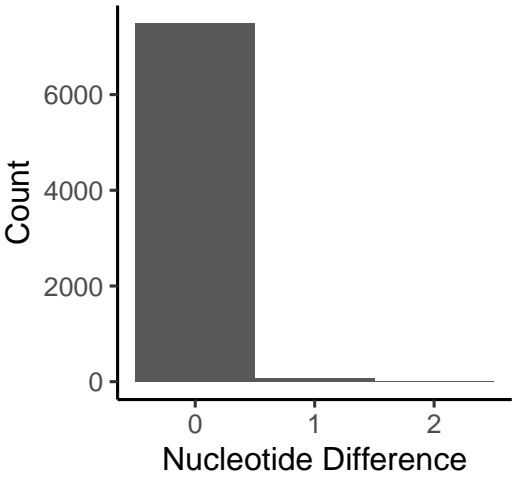
TRBV6-9*ap01

270 sequences assigned
151 (55.9%) exact matches, in which:
147 unique CDR3
13 unique J



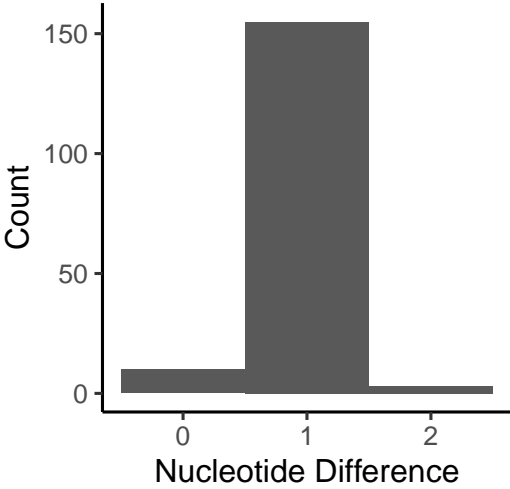
TRBV6-23*ap01

7558 sequences assigned
7488 (99.1%) exact matches, in which:
7321 unique CDR3
13 unique J



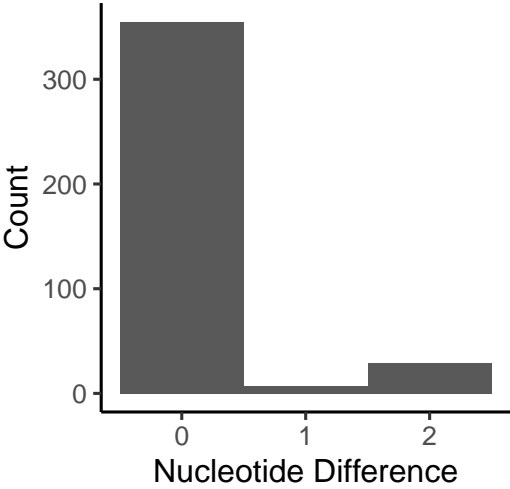
TRBV7-1*ap01_T296C

168 sequences assigned
10 (6%) exact matches, in which:
10 unique CDR3
7 unique J



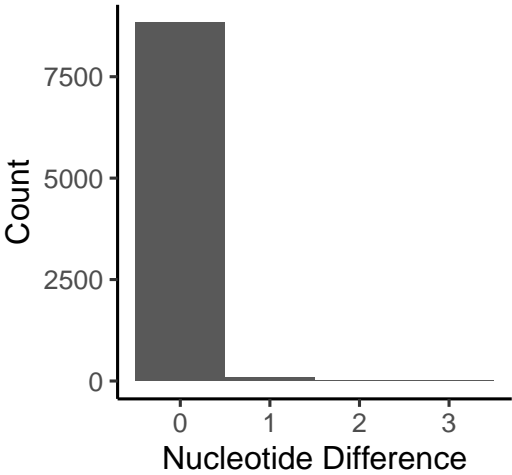
TRBV7-4*ap01

391 sequences assigned
355 (90.8%) exact matches, in which:
346 unique CDR3
13 unique J



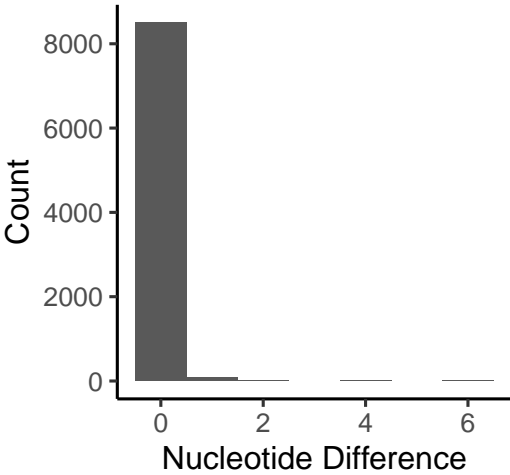
TRBV6-56*ap01

8917 sequences assigned
8830 (99%) exact matches, in which:
8639 unique CDR3
13 unique J



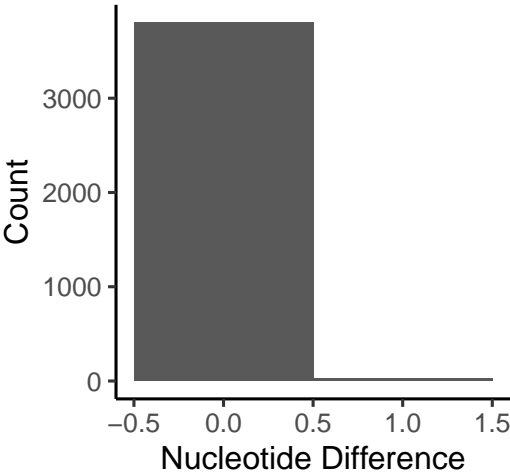
TRBV7-2*ap01

8587 sequences assigned
8499 (99%) exact matches, in which:
8345 unique CDR3
13 unique J



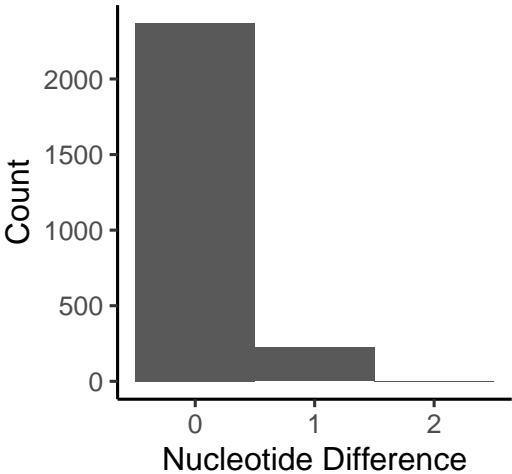
TRBV7-6*ap01

3832 sequences assigned
3801 (99.2%) exact matches, in which:
3715 unique CDR3
13 unique J



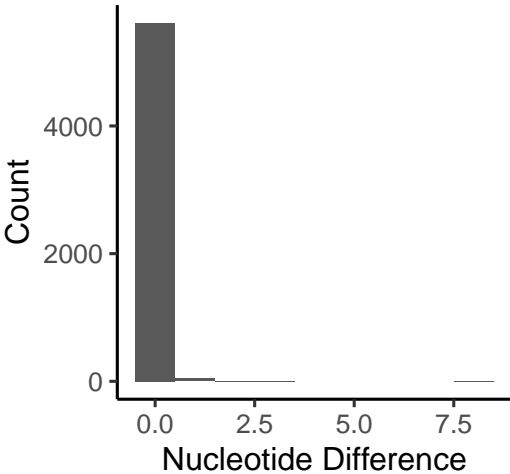
TRBV6-56*ap02

2595 sequences assigned
2370 (91.3%) exact matches, in which:
2318 unique CDR3
13 unique J



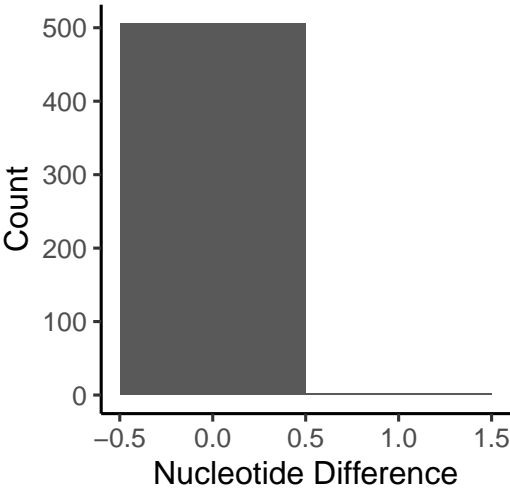
TRBV7-3*ap01

5664 sequences assigned
5612 (99.1%) exact matches, in which:
5542 unique CDR3
13 unique J



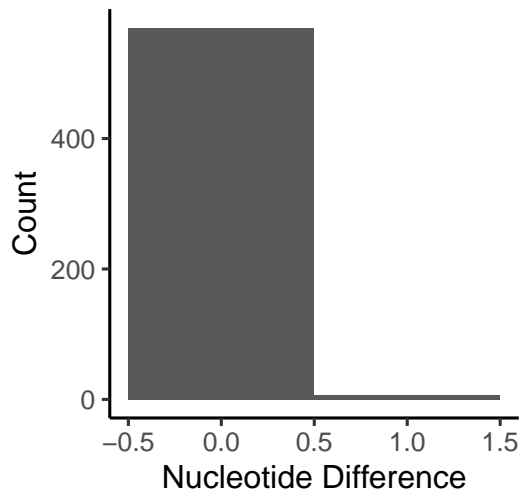
TRBV7-7*ap01

508 sequences assigned
506 (99.6%) exact matches, in which:
492 unique CDR3
13 unique J



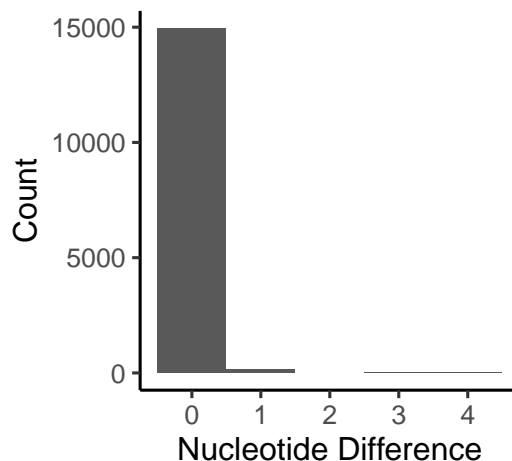
TRBV7-7*ap01_C315T

577 sequences assigned
570 (98.8%) exact matches, in which:
563 unique CDR3
13 unique J



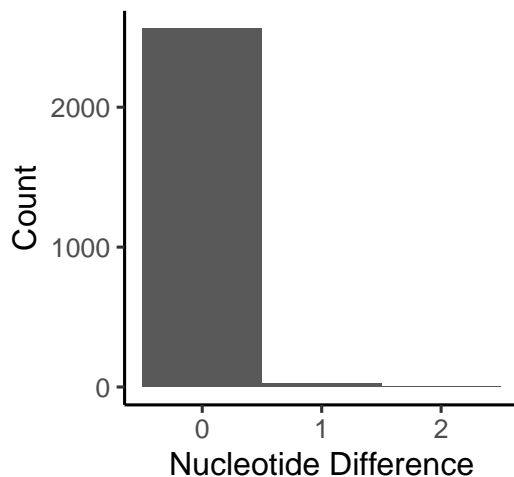
TRBV7-9*ap01

15094 sequences assigned
14959 (99.1%) exact matches, in which:
14706 unique CDR3
13 unique J



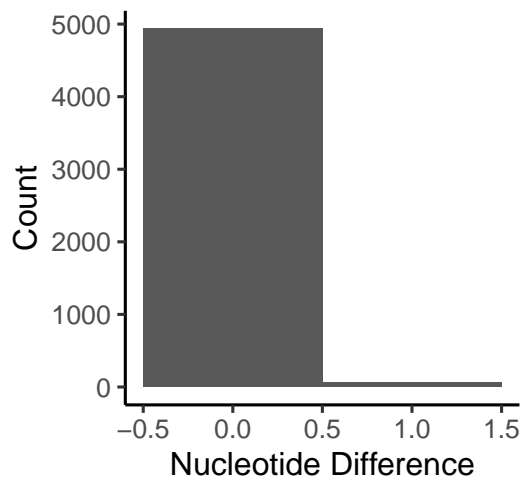
TRBV7-8*ap01

2590 sequences assigned
2561 (98.9%) exact matches, in which:
2498 unique CDR3
13 unique J



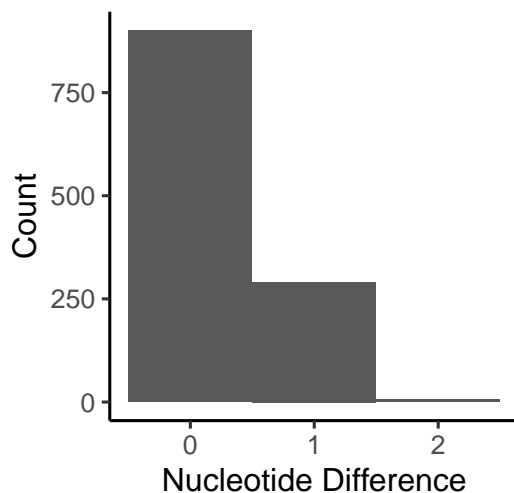
TRBV29-1*ap01

4996 sequences assigned
4936 (98.8%) exact matches, in which:
4846 unique CDR3
13 unique J



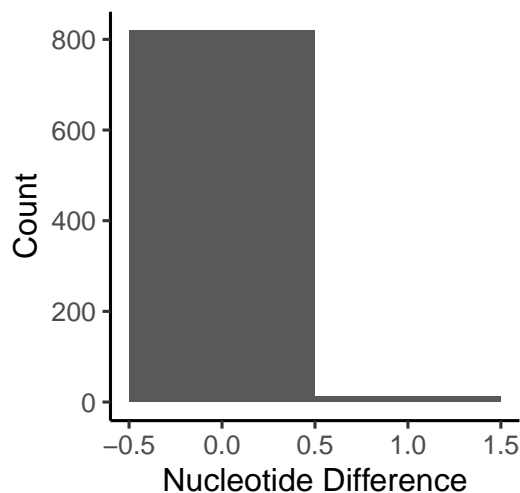
TRBV7-8*ap03

1199 sequences assigned
901 (75.1%) exact matches, in which:
885 unique CDR3
13 unique J

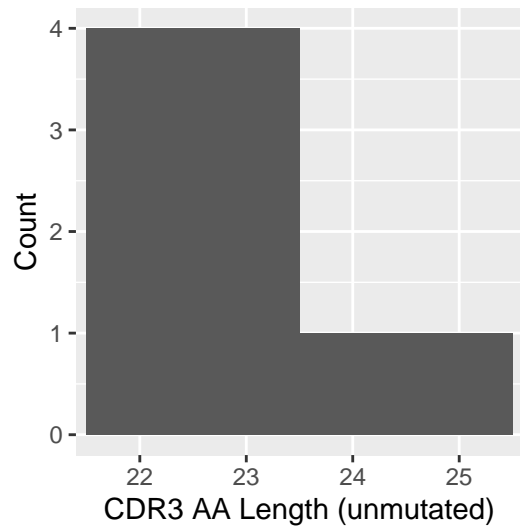


TRBV29-1*ap02

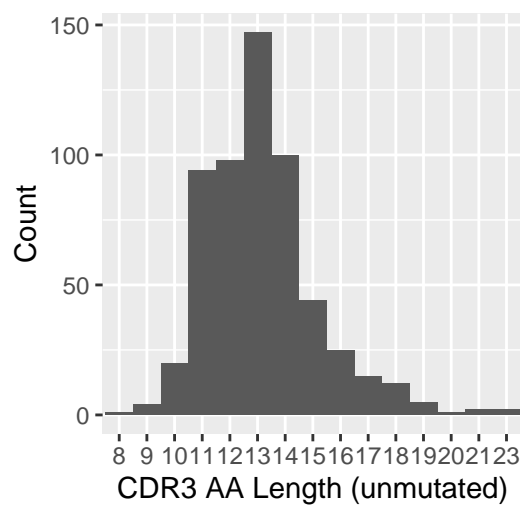
833 sequences assigned
820 (98.4%) exact matches, in which:
806 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]