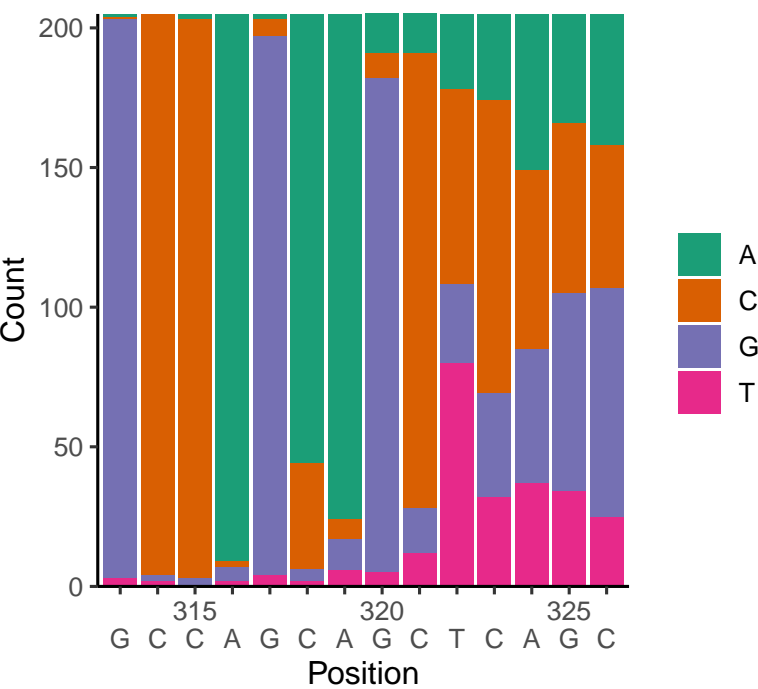
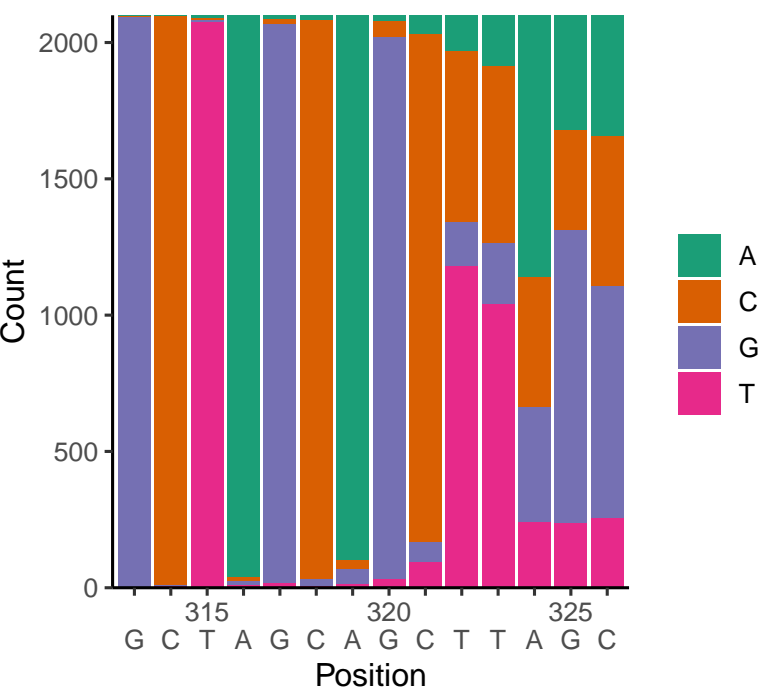


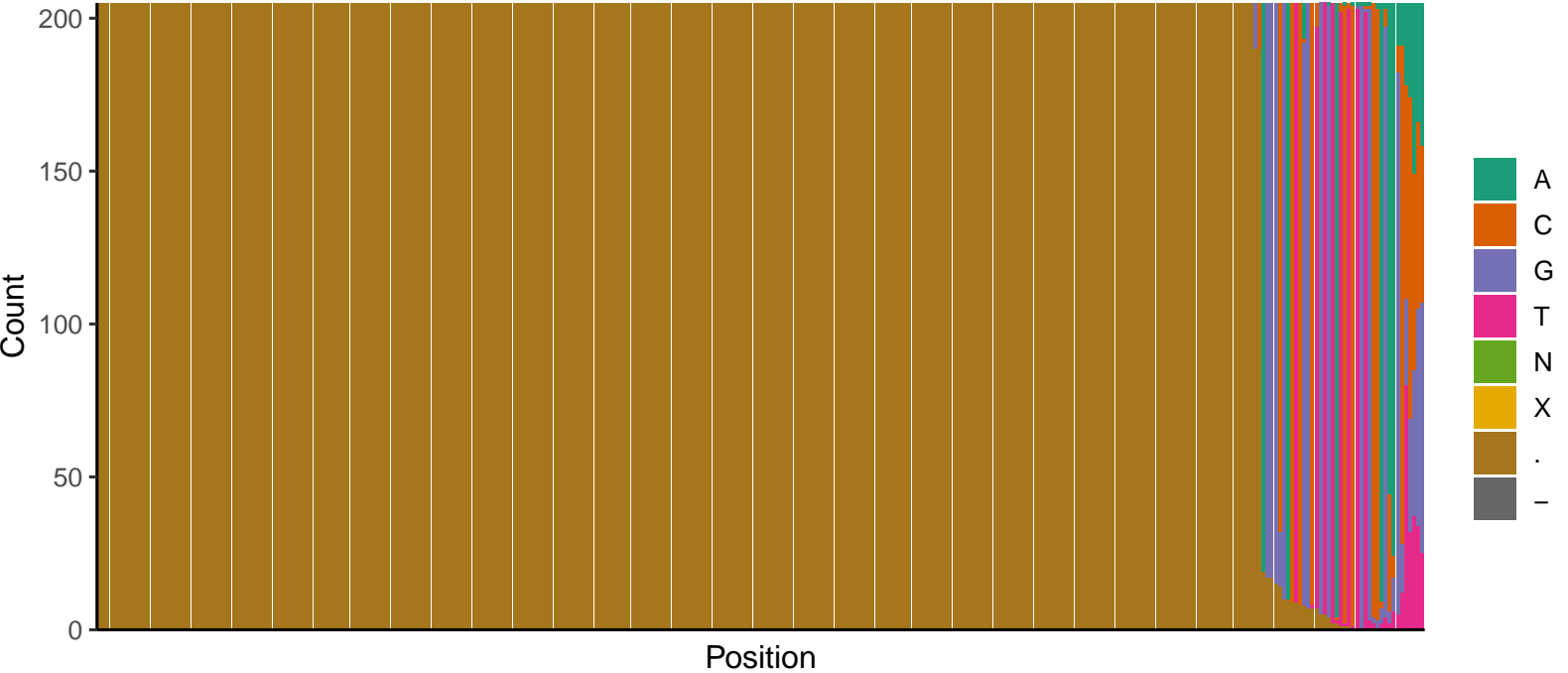
Gene TRBV7-1*ap01_T296C



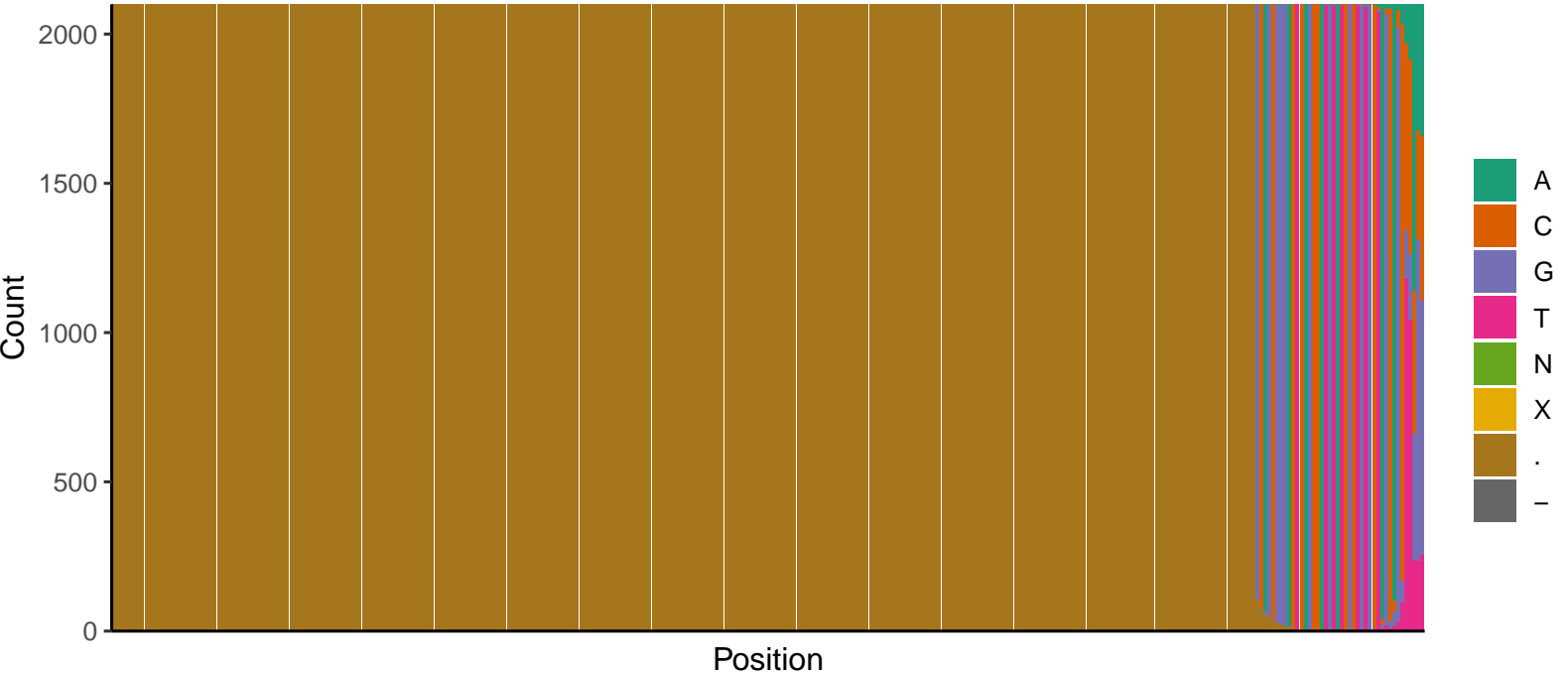
Gene TRBV7-7*ap01_C315T



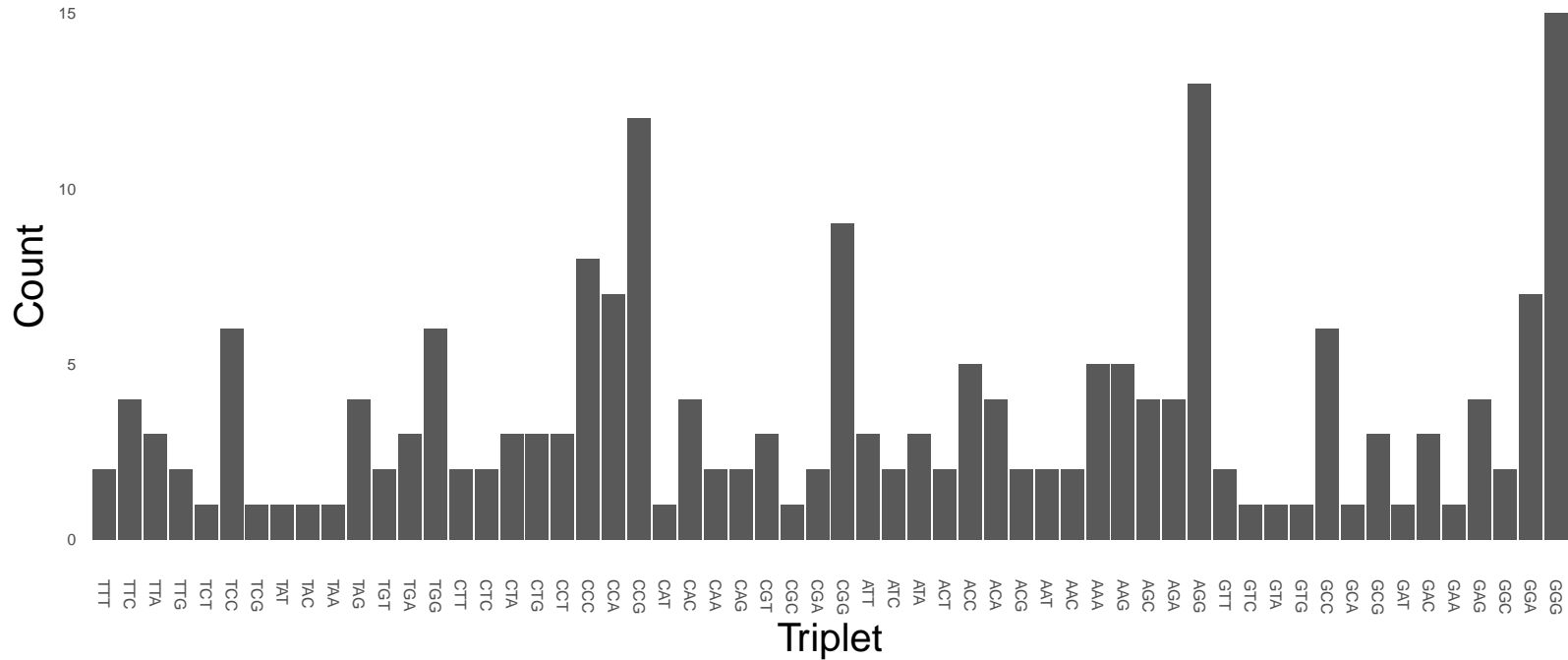
Gene TRBV7-1*ap01_T296C



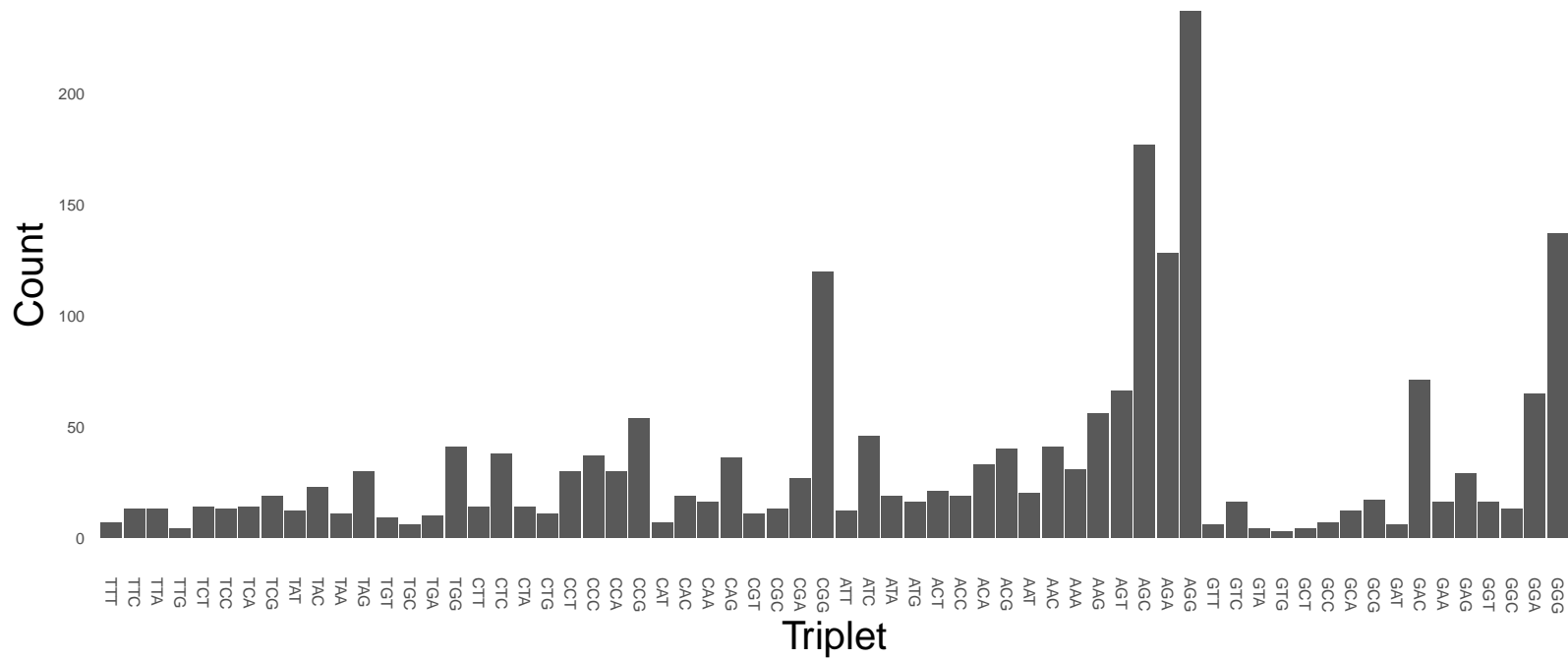
Gene TRBV7-7*ap01_C315T



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

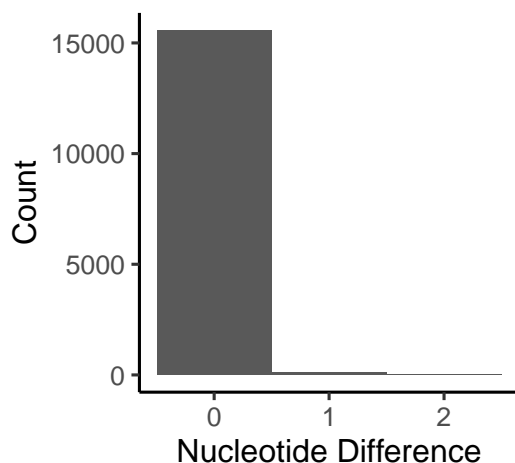


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



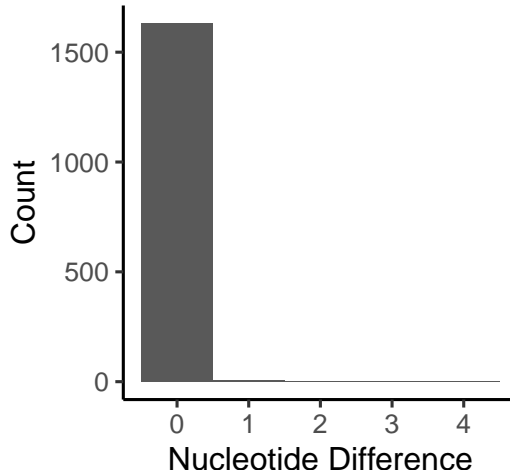
TRBV20-1*ap01

15705 sequences assigned
15577 (99.2%) exact matches, in which:
15415 unique CDR3
13 unique J



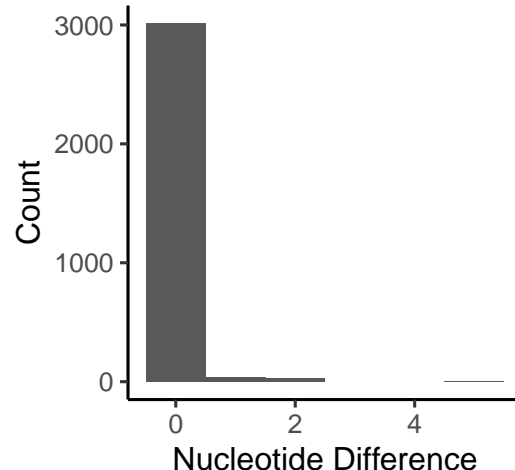
TRBV10-2*ap01

1642 sequences assigned
1631 (99.3%) exact matches, in which:
1611 unique CDR3
13 unique J



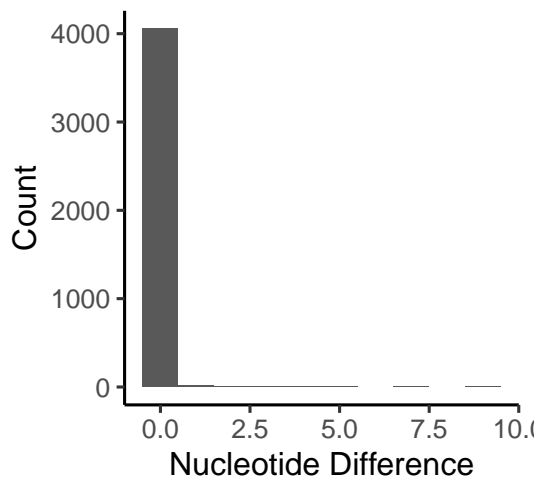
TRBV13*ap01

3084 sequences assigned
3013 (97.7%) exact matches, in which:
2928 unique CDR3
13 unique J



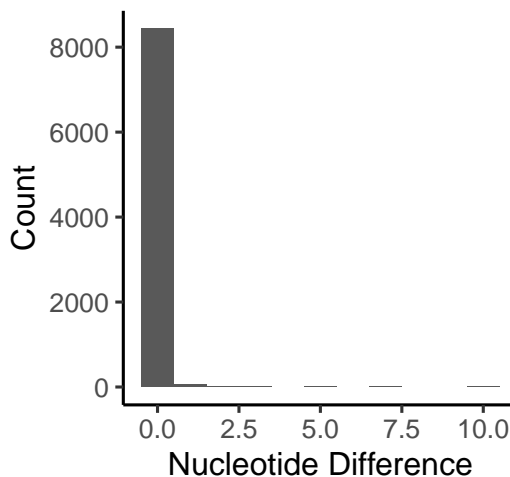
TRBV10-1*ap01

4086 sequences assigned
4056 (99.3%) exact matches, in which:
3996 unique CDR3
13 unique J



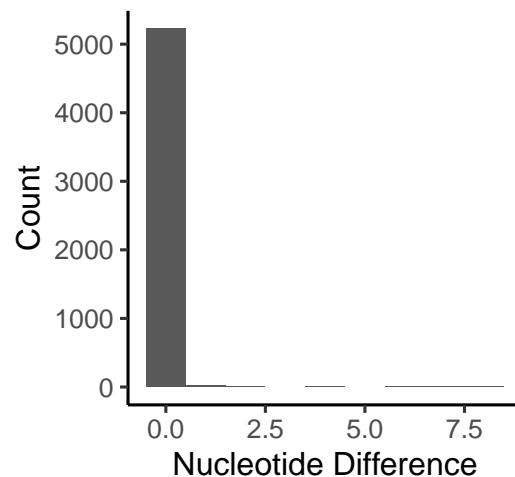
TRBV10-3*ap01

8510 sequences assigned
8434 (99.1%) exact matches, in which:
8318 unique CDR3
13 unique J



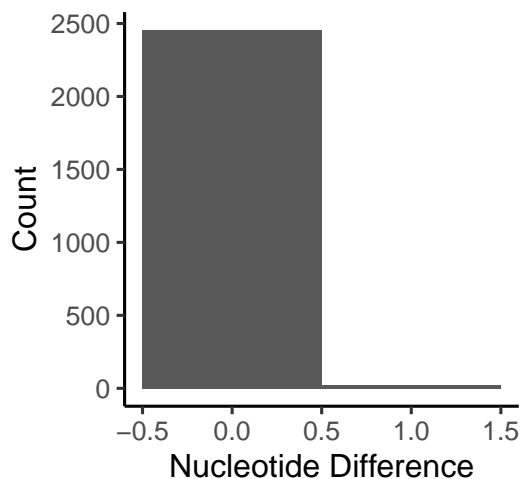
TRBV14*ap01

5253 sequences assigned
5225 (99.5%) exact matches, in which:
5157 unique CDR3
13 unique J



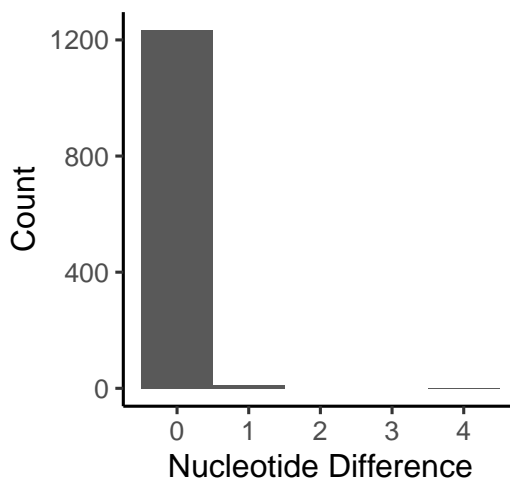
TRBV20-1*ap02

2477 sequences assigned
2455 (99.1%) exact matches, in which:
2432 unique CDR3
13 unique J



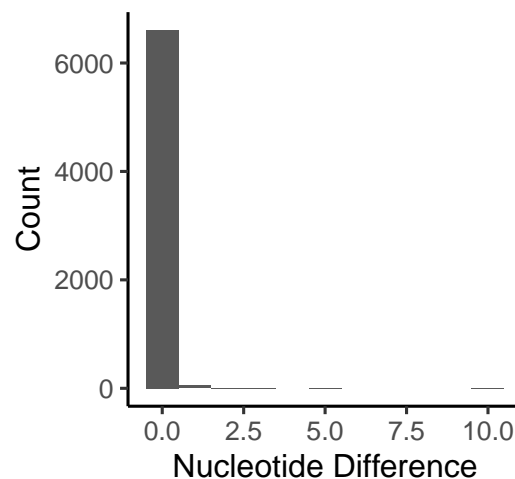
TRBV1*ap01

1247 sequences assigned
1234 (99%) exact matches, in which:
1203 unique CDR3
13 unique J



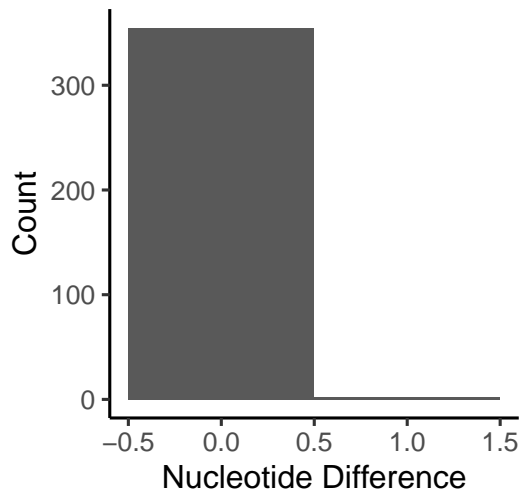
TRBV15*ap02

6665 sequences assigned
6608 (99.1%) exact matches, in which:
6505 unique CDR3
13 unique J



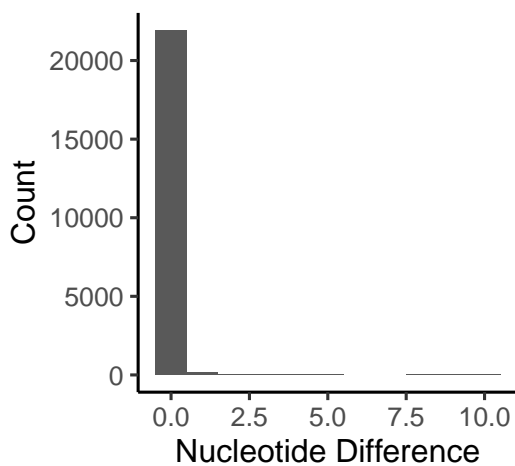
TRBV16*ap01

357 sequences assigned
355 (99.4%) exact matches, in which:
351 unique CDR3
13 unique J



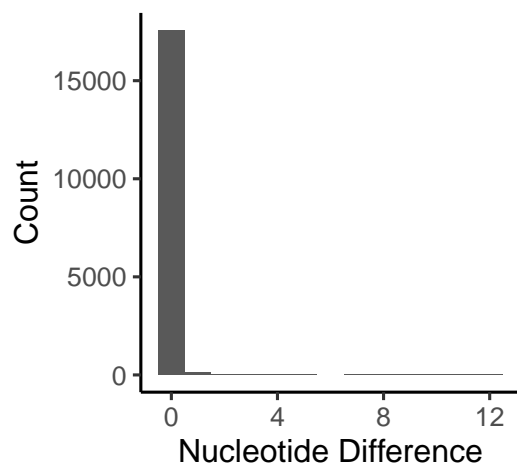
TRBV19*ap01

22093 sequences assigned
21933 (99.3%) exact matches, in which:
21758 unique CDR3
13 unique J



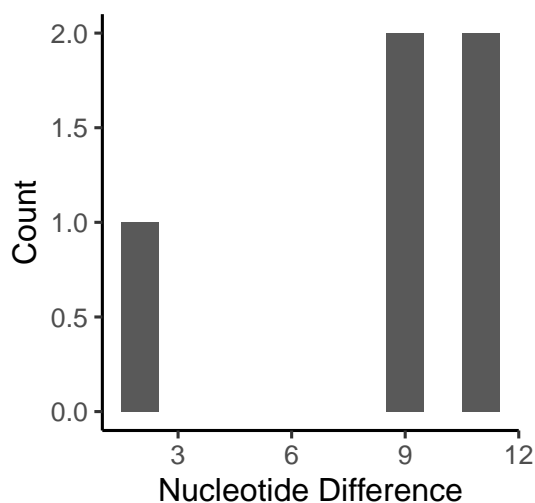
TRBV27*ap01

17741 sequences assigned
17577 (99.1%) exact matches, in which:
17328 unique CDR3
13 unique J



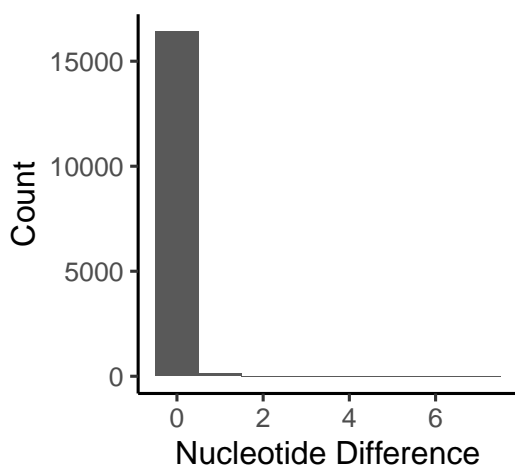
TRBV17*ap01

5 sequences assigned
No exact matches.



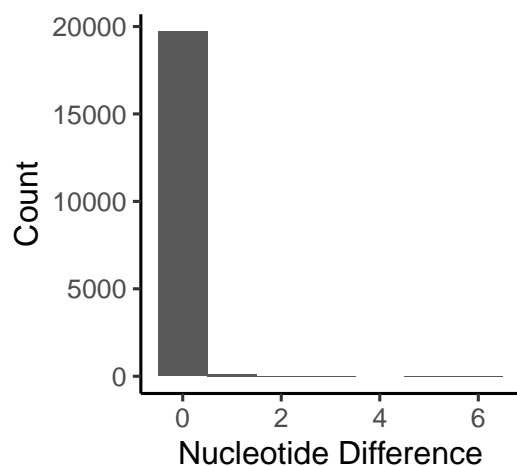
TRBV2*ap01

16568 sequences assigned
16416 (99.1%) exact matches, in which:
16177 unique CDR3
13 unique J



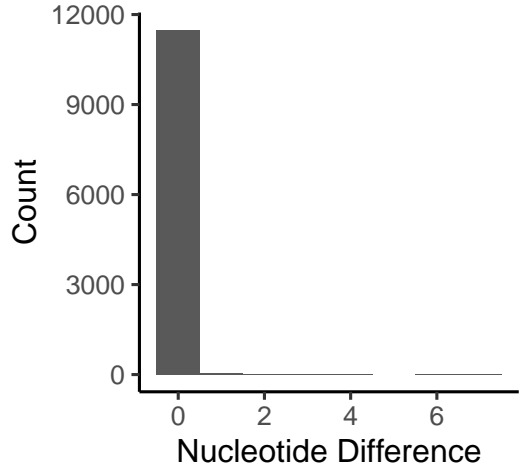
TRBV28*ap01

19865 sequences assigned
19716 (99.2%) exact matches, in which:
19486 unique CDR3
13 unique J



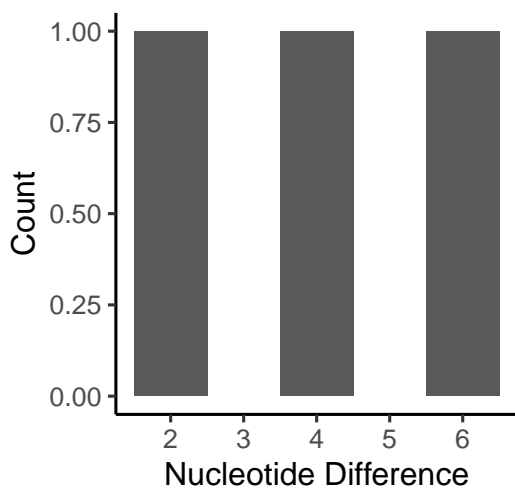
TRBV18*ap01

11541 sequences assigned
11492 (99.6%) exact matches, in which:
11409 unique CDR3
13 unique J



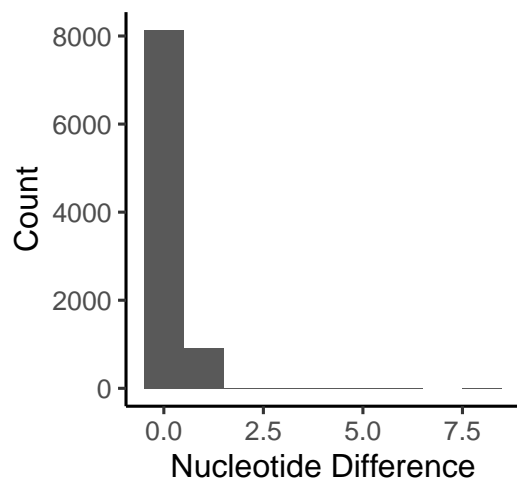
TRBV26*ap01

3 sequences assigned
No exact matches.



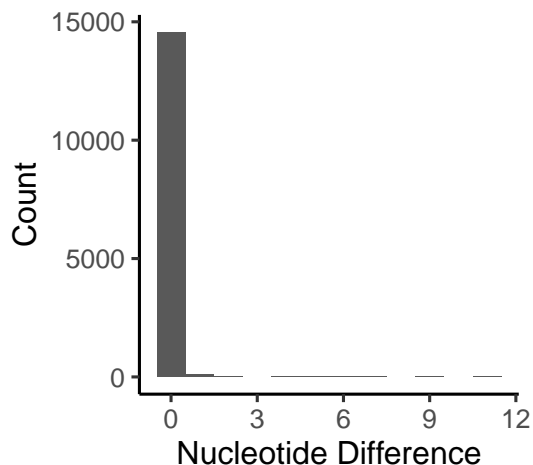
TRBV30*ap01

9063 sequences assigned
8135 (89.8%) exact matches, in which:
7966 unique CDR3
13 unique J



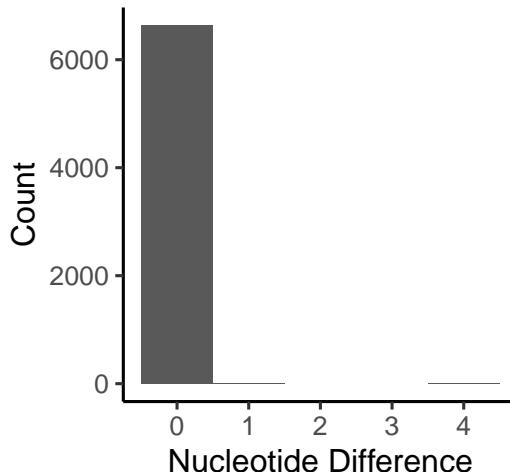
TRBV9*ap01

14670 sequences assigned
14563 (99.3%) exact matches, in which:
14417 unique CDR3
13 unique J



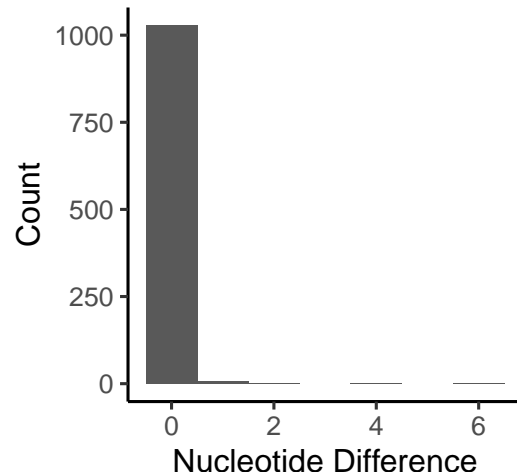
TRBV11-2*ap01

6654 sequences assigned
6635 (99.7%) exact matches, in which:
6601 unique CDR3
13 unique J



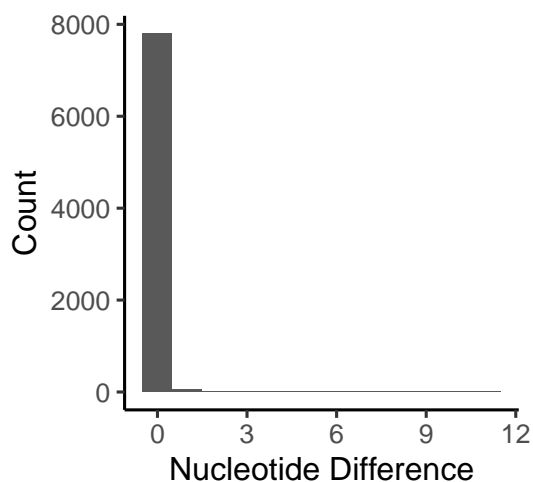
TRBV12-2*ap01

1041 sequences assigned
1028 (98.8%) exact matches, in which:
1016 unique CDR3
13 unique J



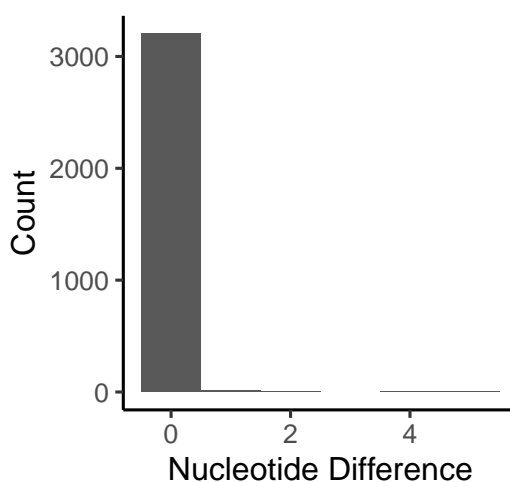
TRBV21-1*ap01

7900 sequences assigned
7796 (98.7%) exact matches, in which:
7754 unique CDR3
13 unique J



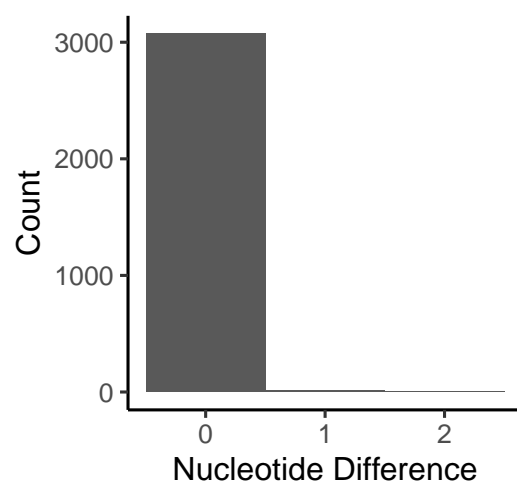
TRBV11-3*ap01

3227 sequences assigned
3203 (99.3%) exact matches, in which:
3191 unique CDR3
13 unique J



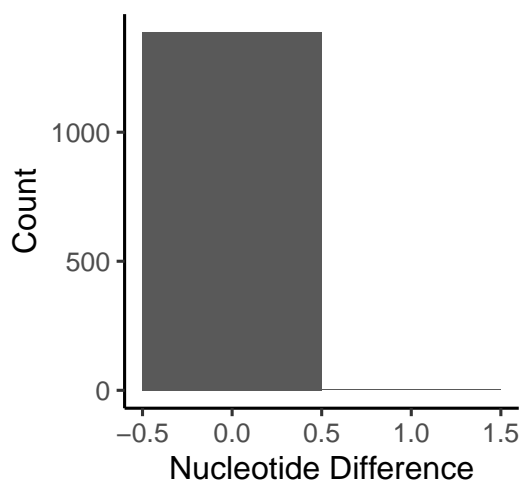
TRBV12-5*ap01

3090 sequences assigned
3073 (99.4%) exact matches, in which:
3037 unique CDR3
13 unique J



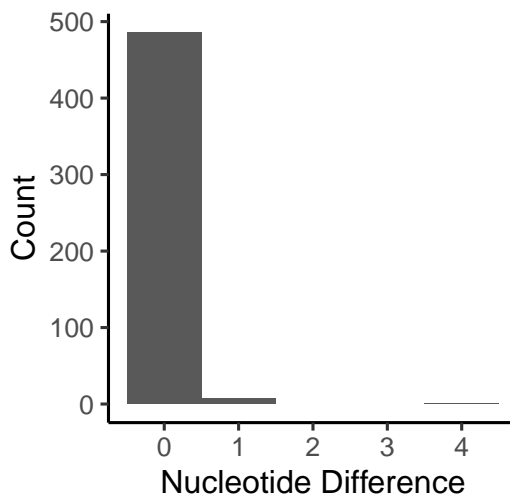
TRBV11-1*ap01

1391 sequences assigned
1388 (99.8%) exact matches, in which:
1377 unique CDR3
13 unique J



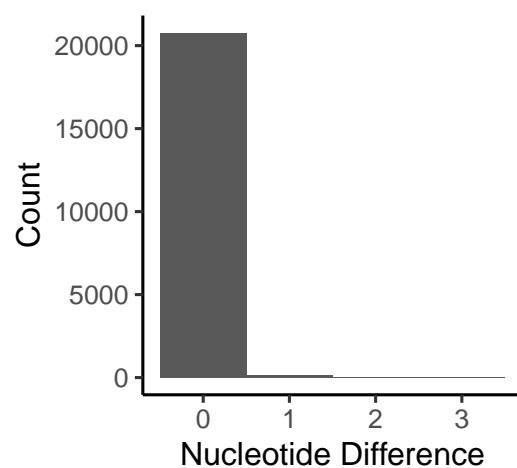
TRBV12-1*ap01

494 sequences assigned
486 (98.4%) exact matches, in which:
480 unique CDR3
13 unique J



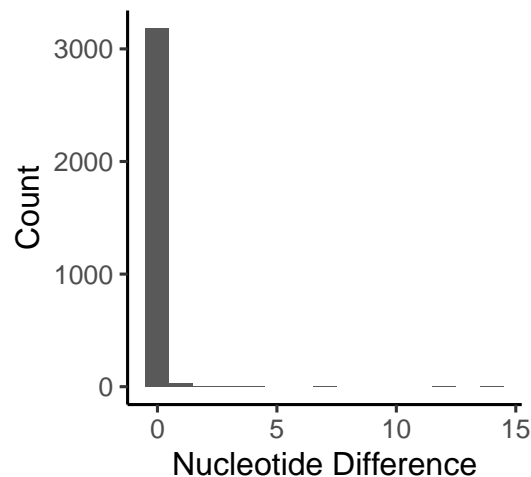
TRBV12-34*ap01

20958 sequences assigned
20774 (99.1%) exact matches, in which:
20493 unique CDR3
13 unique J



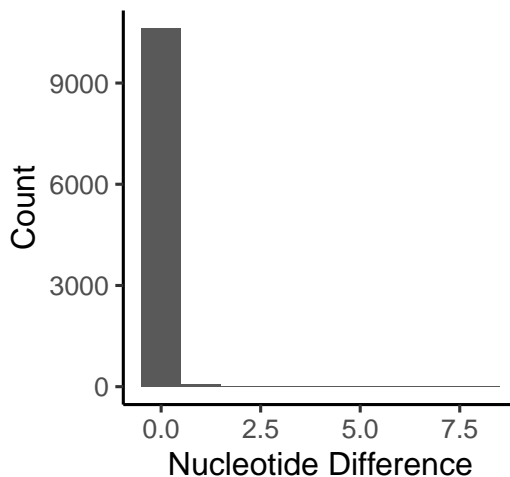
TRBV23-1*ap01

3225 sequences assigned
3182 (98.7%) exact matches, in which:
3157 unique CDR3
13 unique J



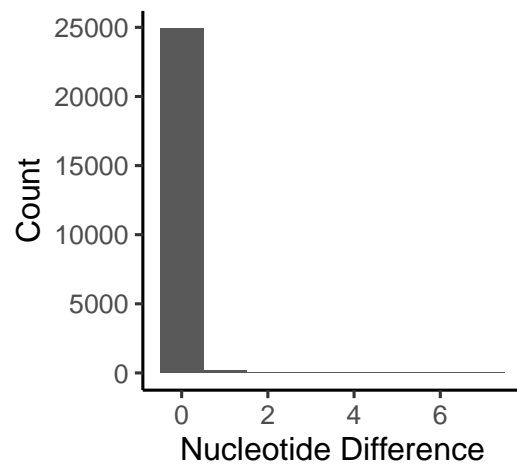
TRBV24-1*ap01

10717 sequences assigned
10620 (99.1%) exact matches, in which:
10459 unique CDR3
13 unique J



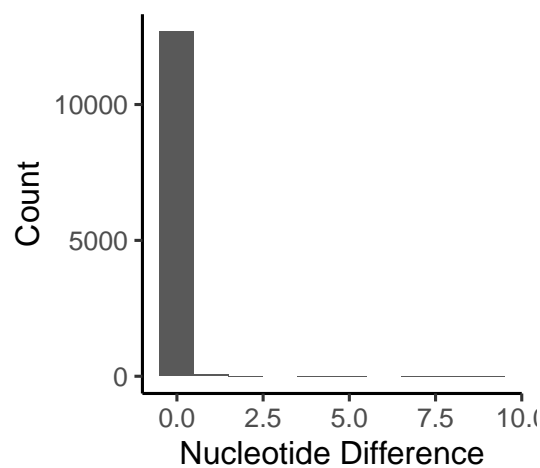
TRBV5-1*ap01

25156 sequences assigned
24943 (99.2%) exact matches, in which:
24454 unique CDR3
13 unique J



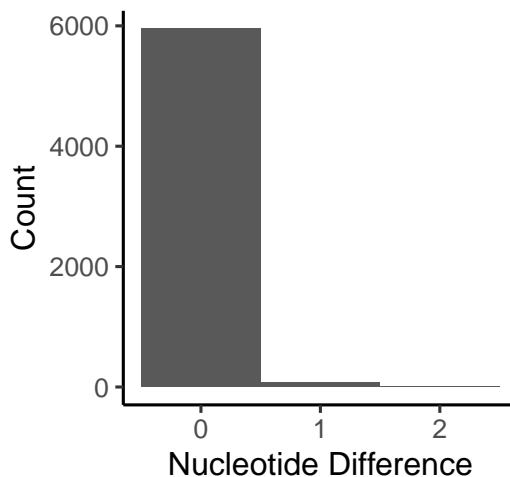
TRBV3-12*ap01

12760 sequences assigned
12688 (99.4%) exact matches, in which:
12590 unique CDR3
14 unique J



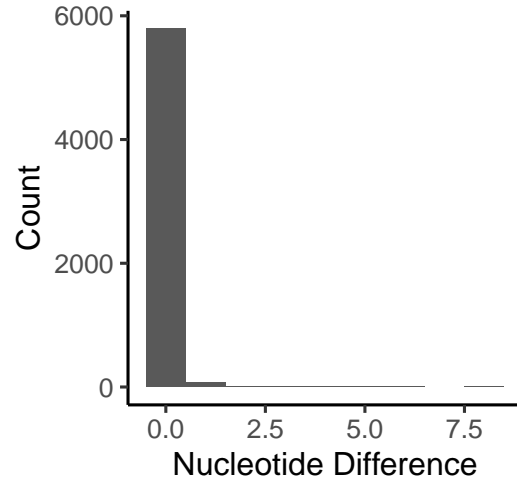
TRBV4-2*ap01

6026 sequences assigned
5952 (98.8%) exact matches, in which:
5861 unique CDR3
13 unique J



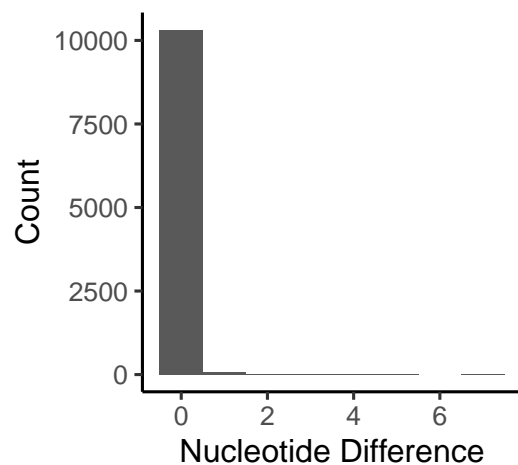
TRBV25-1*ap01

5881 sequences assigned
5791 (98.5%) exact matches, in which:
5676 unique CDR3
13 unique J



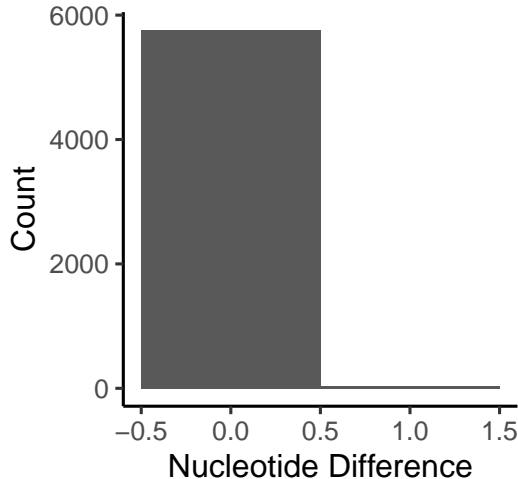
TRBV4-1*ap01

10416 sequences assigned
10318 (99.1%) exact matches, in which:
10120 unique CDR3
13 unique J



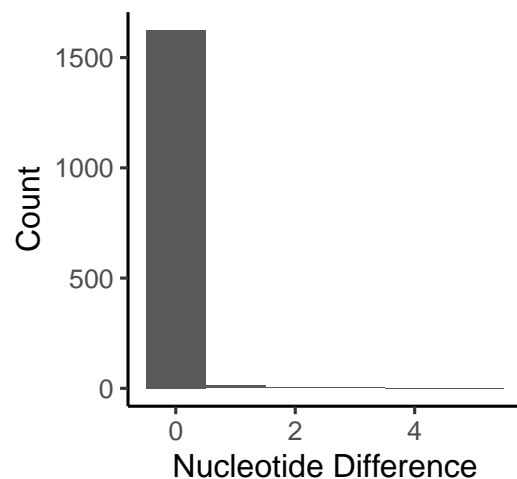
TRBV4-3*ap01

5801 sequences assigned
5760 (99.3%) exact matches, in which:
5660 unique CDR3
13 unique J



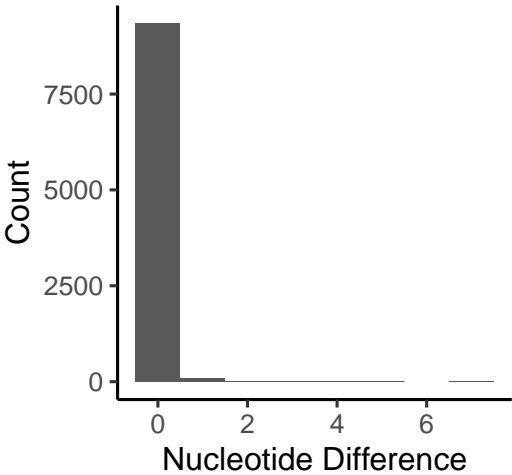
TRBV5-3*ap01

1646 sequences assigned
1625 (98.7%) exact matches, in which:
1594 unique CDR3
13 unique J



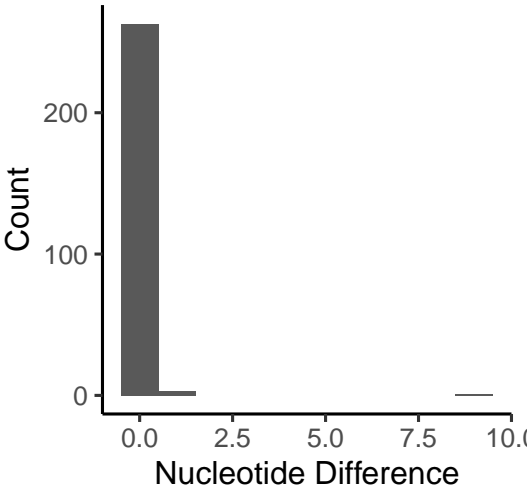
TRBV5-4*ap01

9441 sequences assigned
9342 (99%) exact matches, in which:
9177 unique CDR3
13 unique J



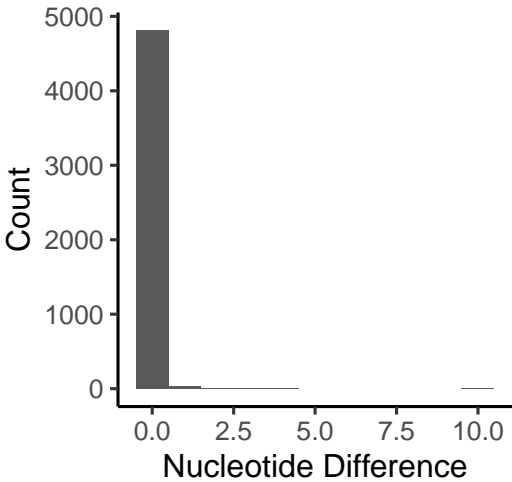
TRBV5-7*ap01

267 sequences assigned
263 (98.5%) exact matches, in which:
262 unique CDR3
13 unique J



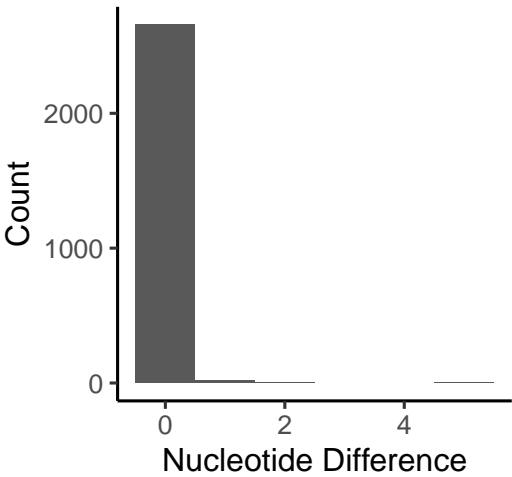
TRBV6-4*ap01

4856 sequences assigned
4811 (99.1%) exact matches, in which:
4756 unique CDR3
13 unique J



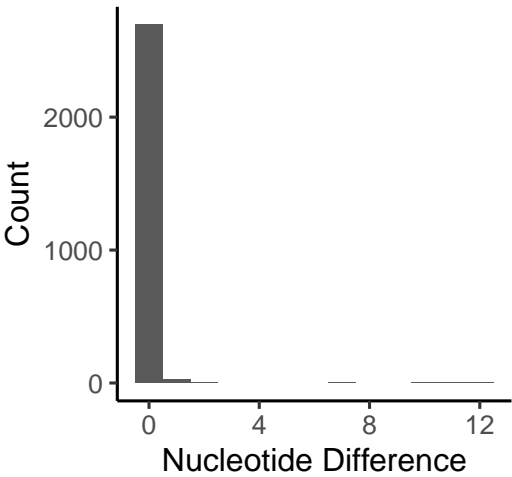
TRBV5-5*ap01

2679 sequences assigned
2657 (99.2%) exact matches, in which:
2638 unique CDR3
13 unique J



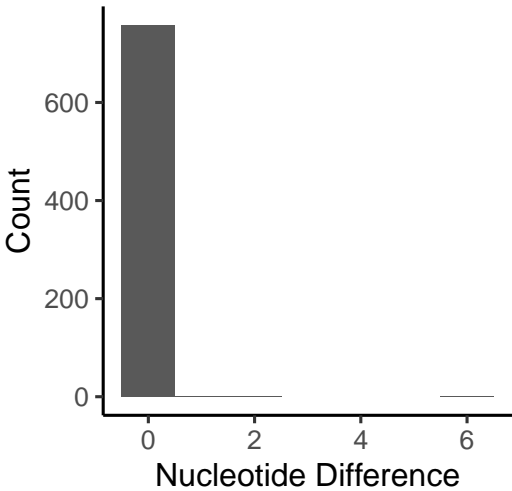
TRBV5-8*ap01

2731 sequences assigned
2695 (98.7%) exact matches, in which:
2669 unique CDR3
13 unique J



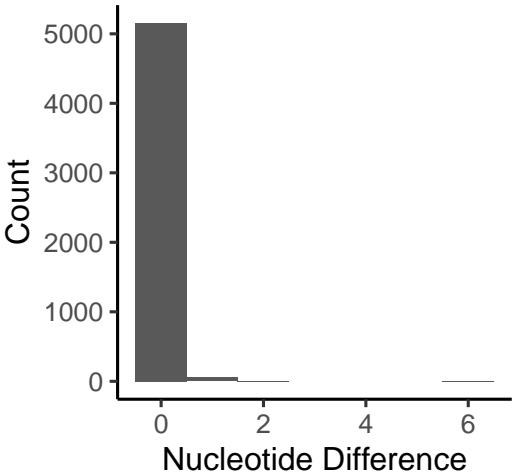
TRBV6-7*ap01

763 sequences assigned
758 (99.3%) exact matches, in which:
742 unique CDR3
13 unique J



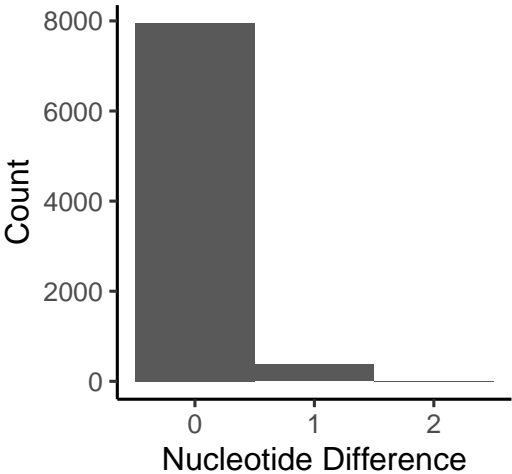
TRBV5-6*ap01

5211 sequences assigned
5155 (98.9%) exact matches, in which:
5037 unique CDR3
13 unique J



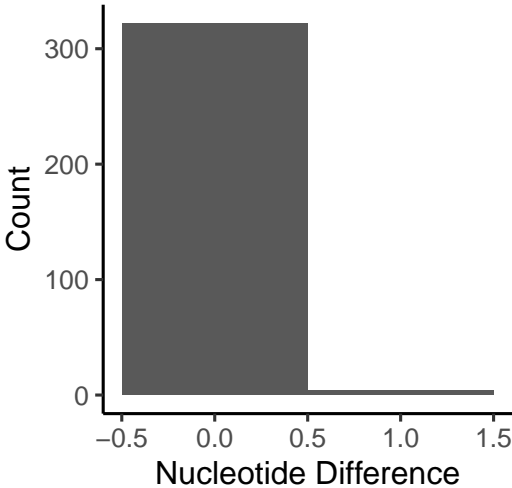
TRBV6-1*ap01

8328 sequences assigned
7952 (95.5%) exact matches, in which:
7823 unique CDR3
13 unique J



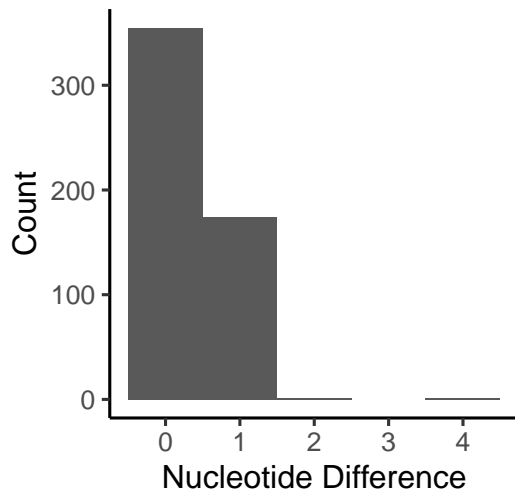
TRBV6-8*ap01

326 sequences assigned
322 (98.8%) exact matches, in which:
316 unique CDR3
13 unique J



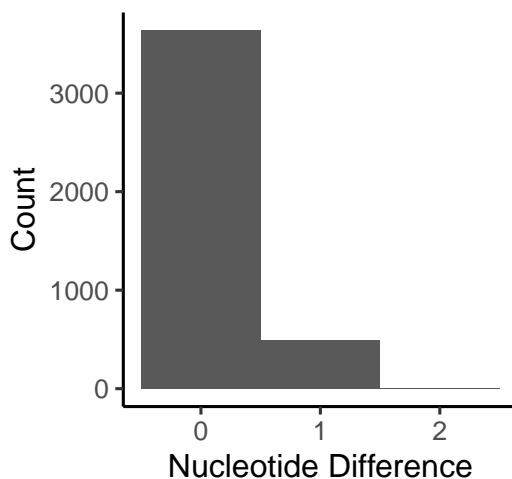
TRBV6-9*ap01

531 sequences assigned
355 (66.9%) exact matches, in which:
350 unique CDR3
13 unique J



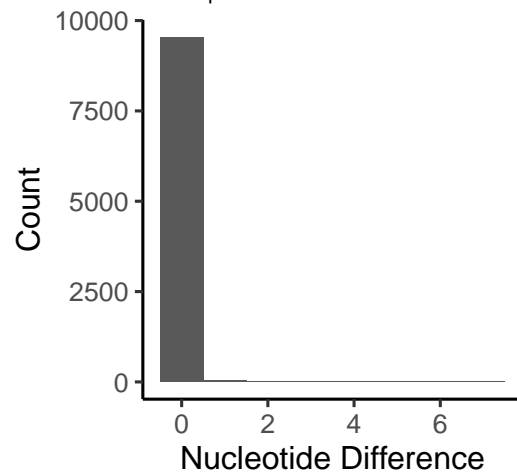
TRBV6-56*ap02

4130 sequences assigned
3637 (88.1%) exact matches, in which:
3550 unique CDR3
13 unique J



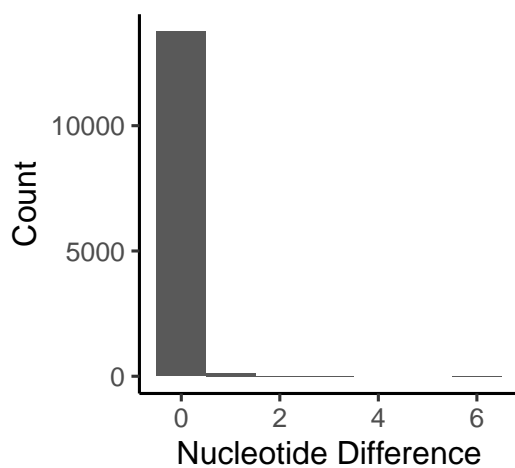
TRBV7-3*ap01

9601 sequences assigned
9541 (99.4%) exact matches, in which:
9481 unique CDR3
13 unique J



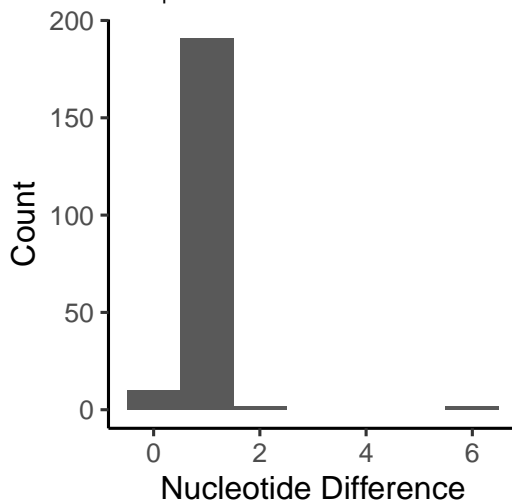
TRBV6-23*ap01

13908 sequences assigned
13761 (98.9%) exact matches, in which:
13438 unique CDR3
14 unique J



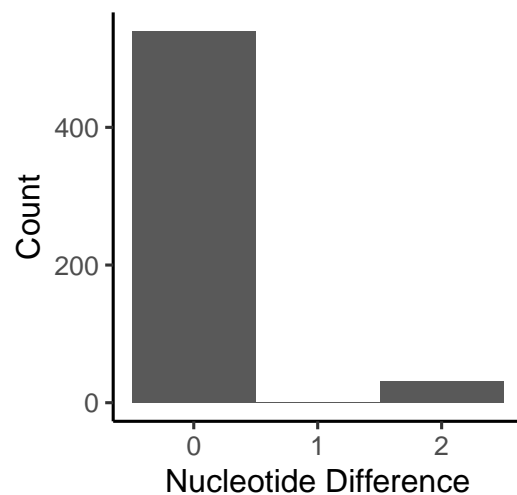
TRBV7-1*ap01_T296C

205 sequences assigned
10 (4.9%) exact matches, in which:
10 unique CDR3
7 unique J



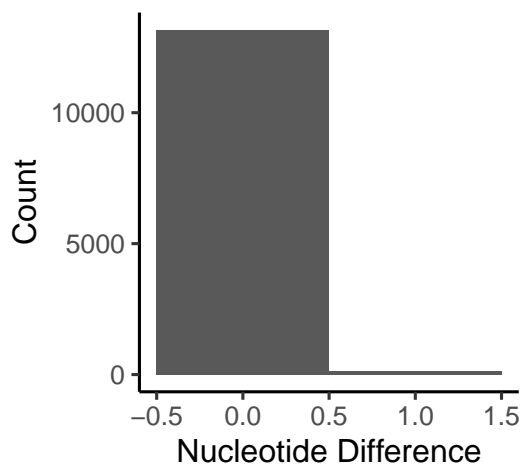
TRBV7-4*ap01

572 sequences assigned
540 (94.4%) exact matches, in which:
532 unique CDR3
13 unique J



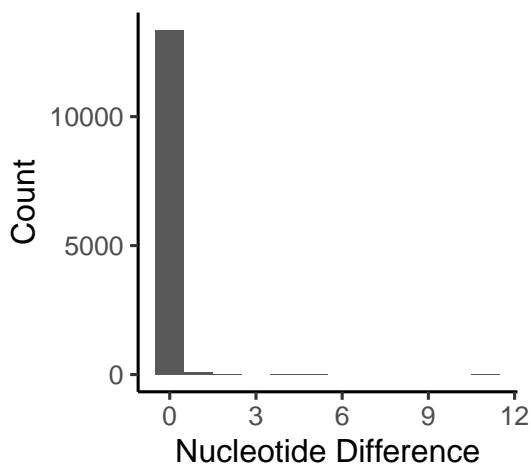
TRBV6-56*ap01

13288 sequences assigned
13166 (99.1%) exact matches, in which:
12863 unique CDR3
13 unique J



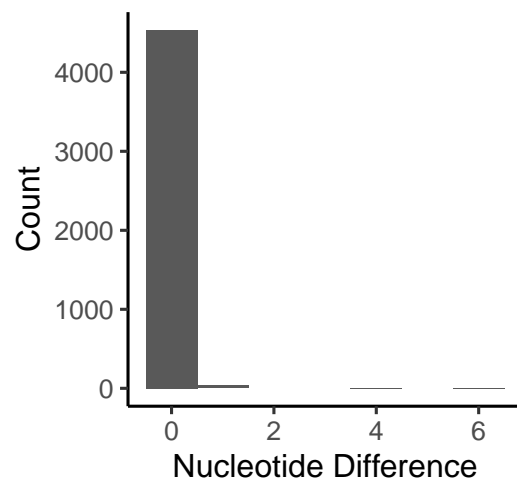
TRBV7-2*ap01

13454 sequences assigned
13366 (99.3%) exact matches, in which:
13214 unique CDR3
13 unique J



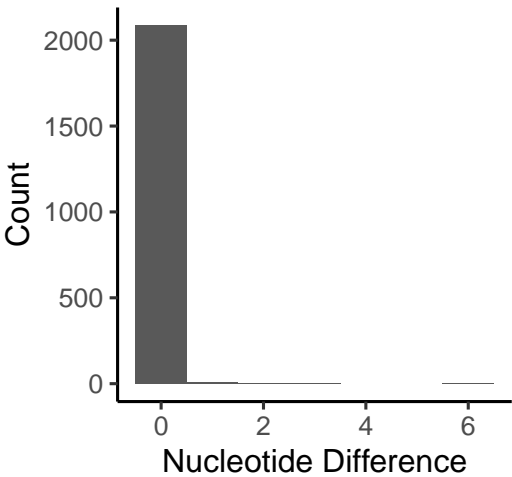
TRBV7-6*ap01

4574 sequences assigned
4535 (99.1%) exact matches, in which:
4475 unique CDR3
13 unique J



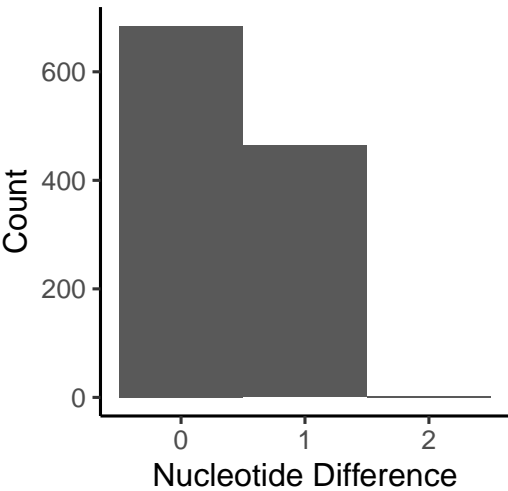
TRBV7-7*ap01_C315T

2100 sequences assigned
2086 (99.3%) exact matches, in which:
2061 unique CDR3
13 unique J



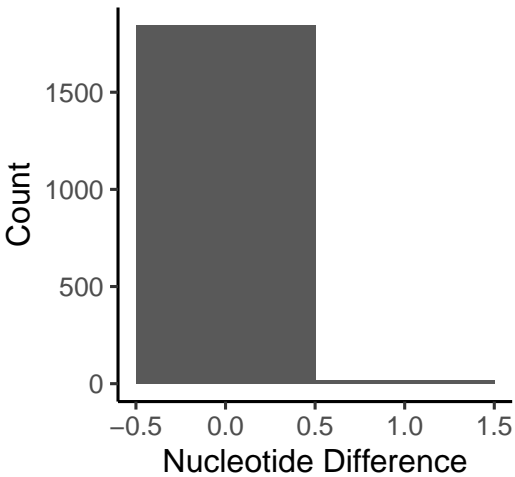
TRBV7-8*ap03

1151 sequences assigned
685 (59.5%) exact matches, in which:
677 unique CDR3
13 unique J



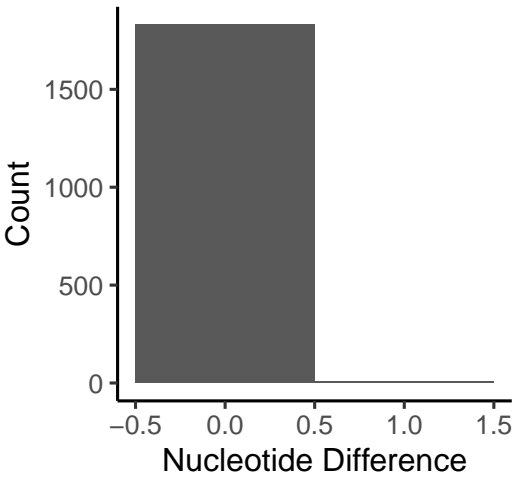
TRBV29-1*ap02

1860 sequences assigned
1844 (99.1%) exact matches, in which:
1803 unique CDR3
13 unique J



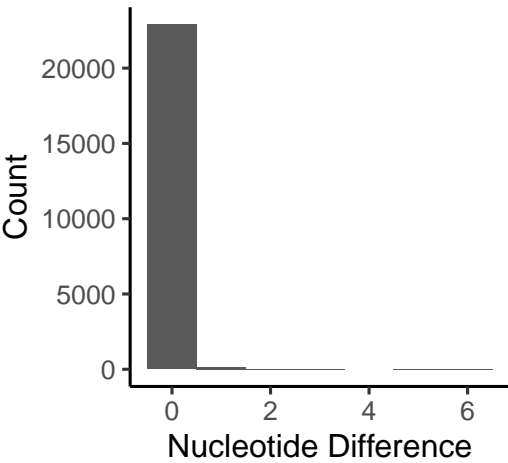
TRBV7-8*ap01

1838 sequences assigned
1830 (99.6%) exact matches, in which:
1806 unique CDR3
13 unique J



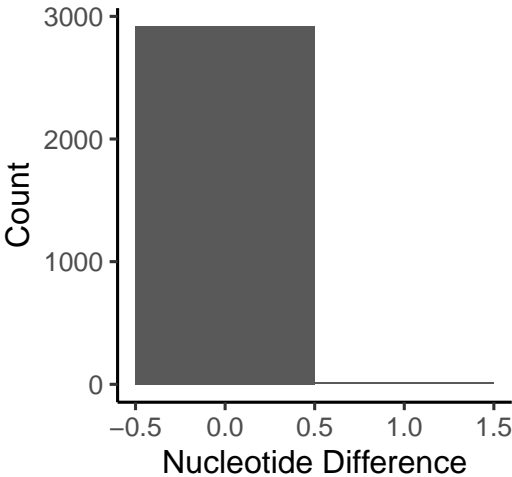
TRBV7-9*ap01

23048 sequences assigned
22900 (99.4%) exact matches, in which:
22688 unique CDR3
13 unique J



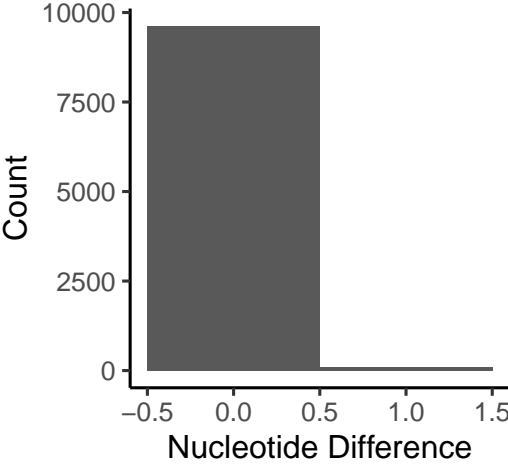
TRBV7-8*ap02

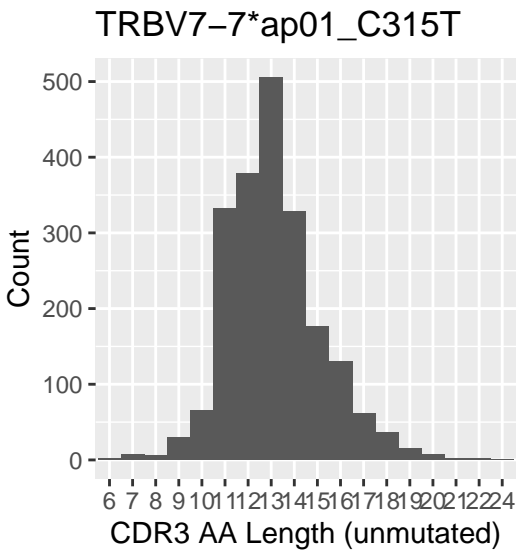
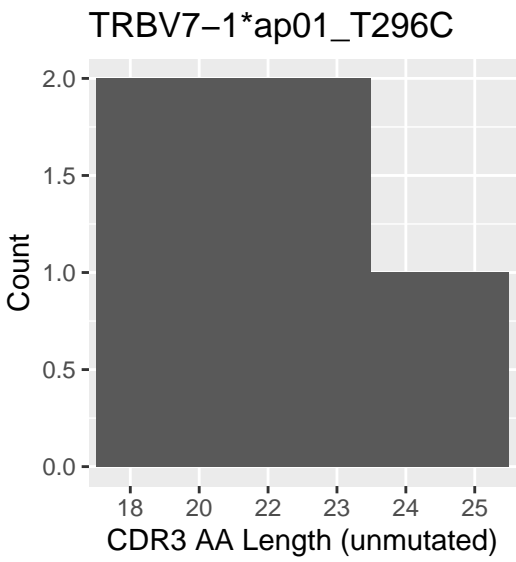
2936 sequences assigned
2921 (99.5%) exact matches, in which:
2888 unique CDR3
13 unique J



TRBV29-1*ap01

9741 sequences assigned
9629 (98.9%) exact matches, in which:
9391 unique CDR3
13 unique J







[illegible]