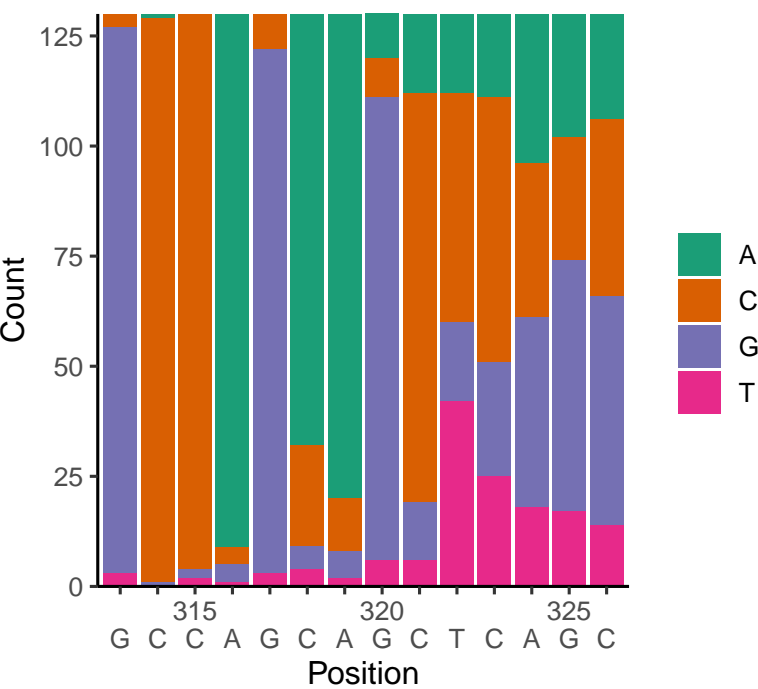
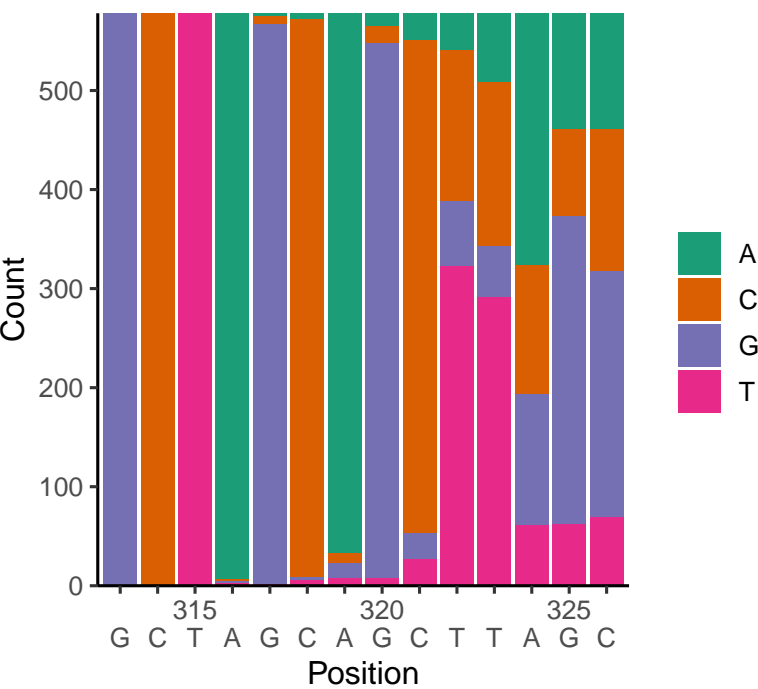


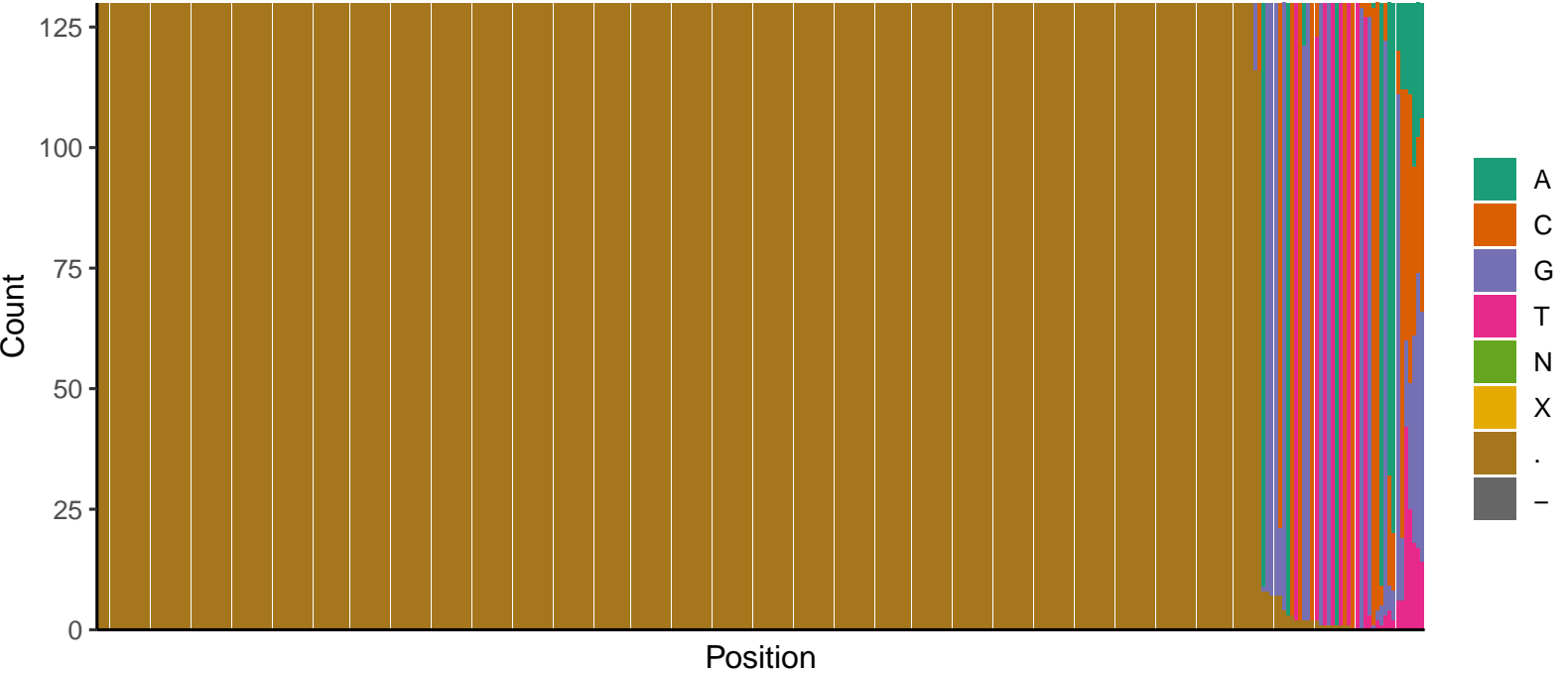
Gene TRBV7-1*ap01_T296C



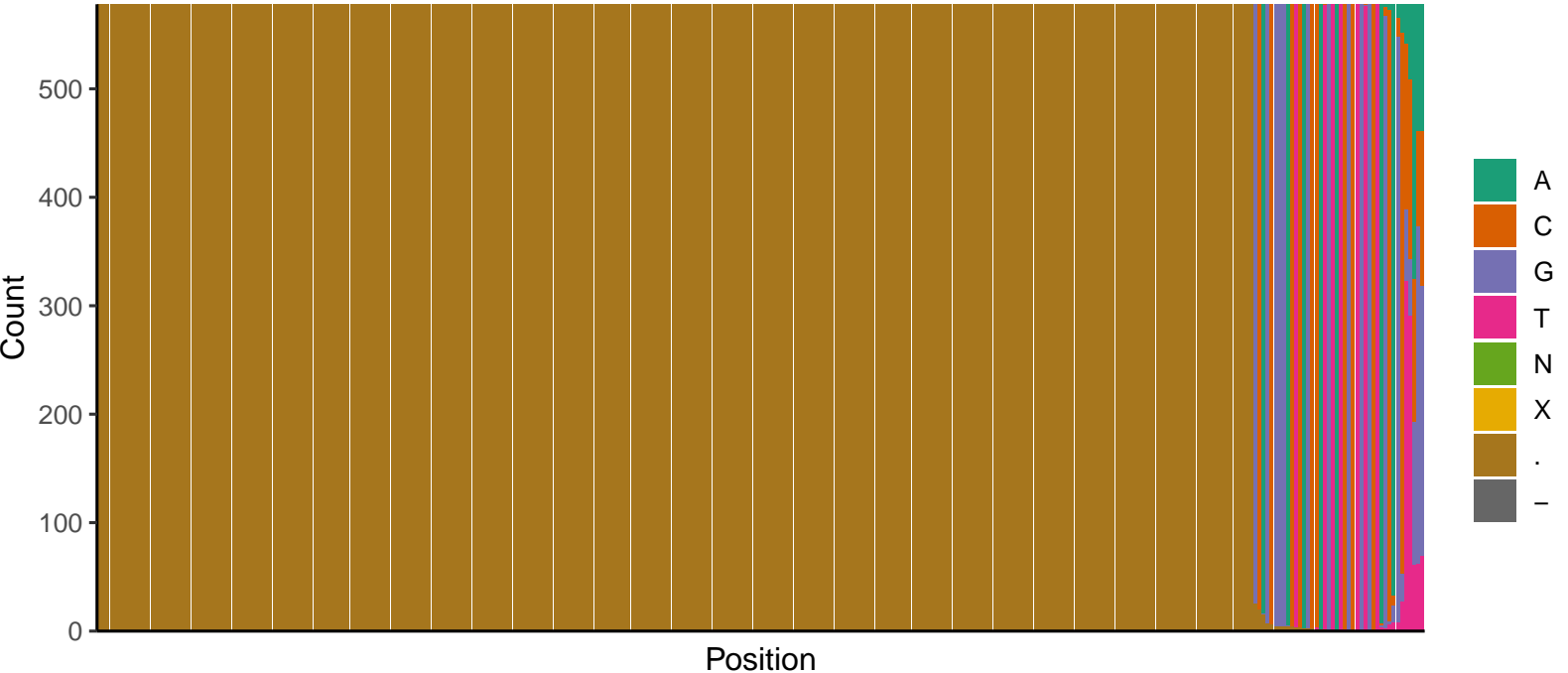
Gene TRBV7-7*ap01_C315T



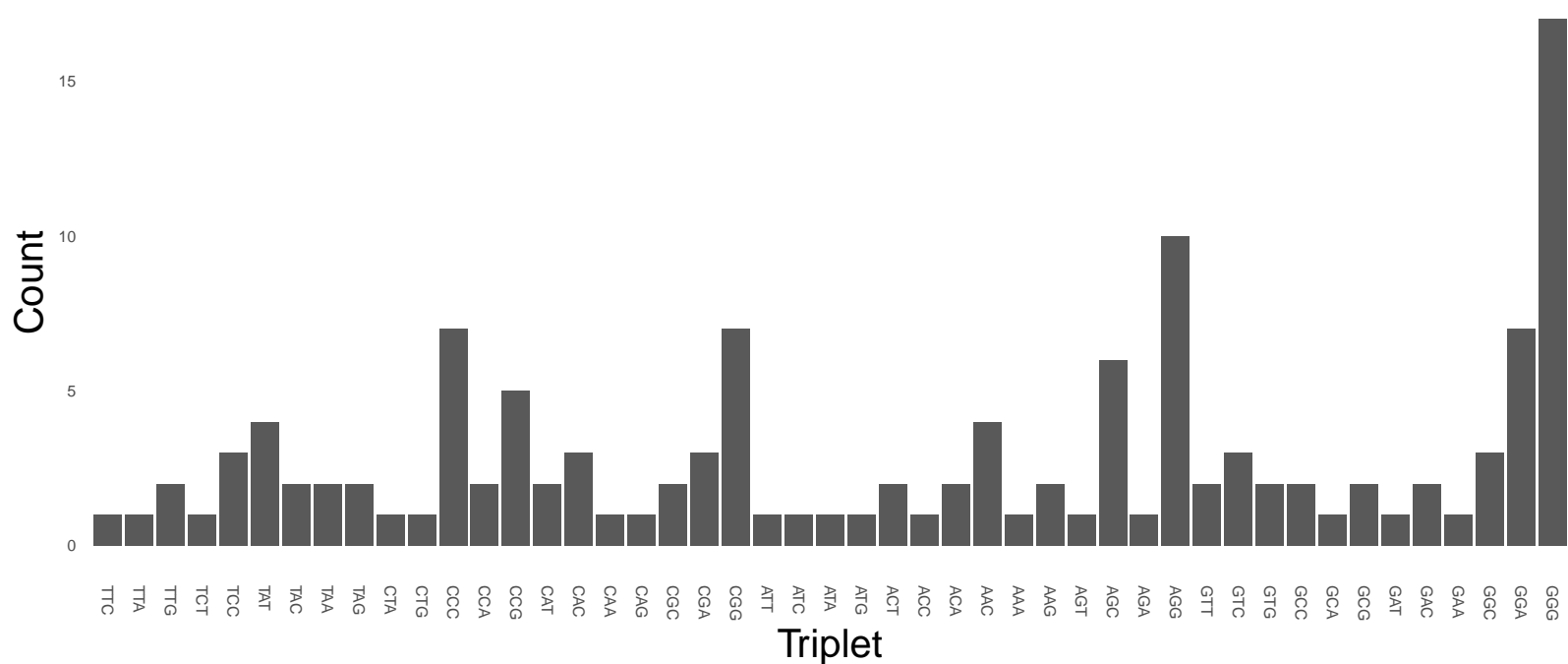
Gene TRBV7-1*ap01_T296C



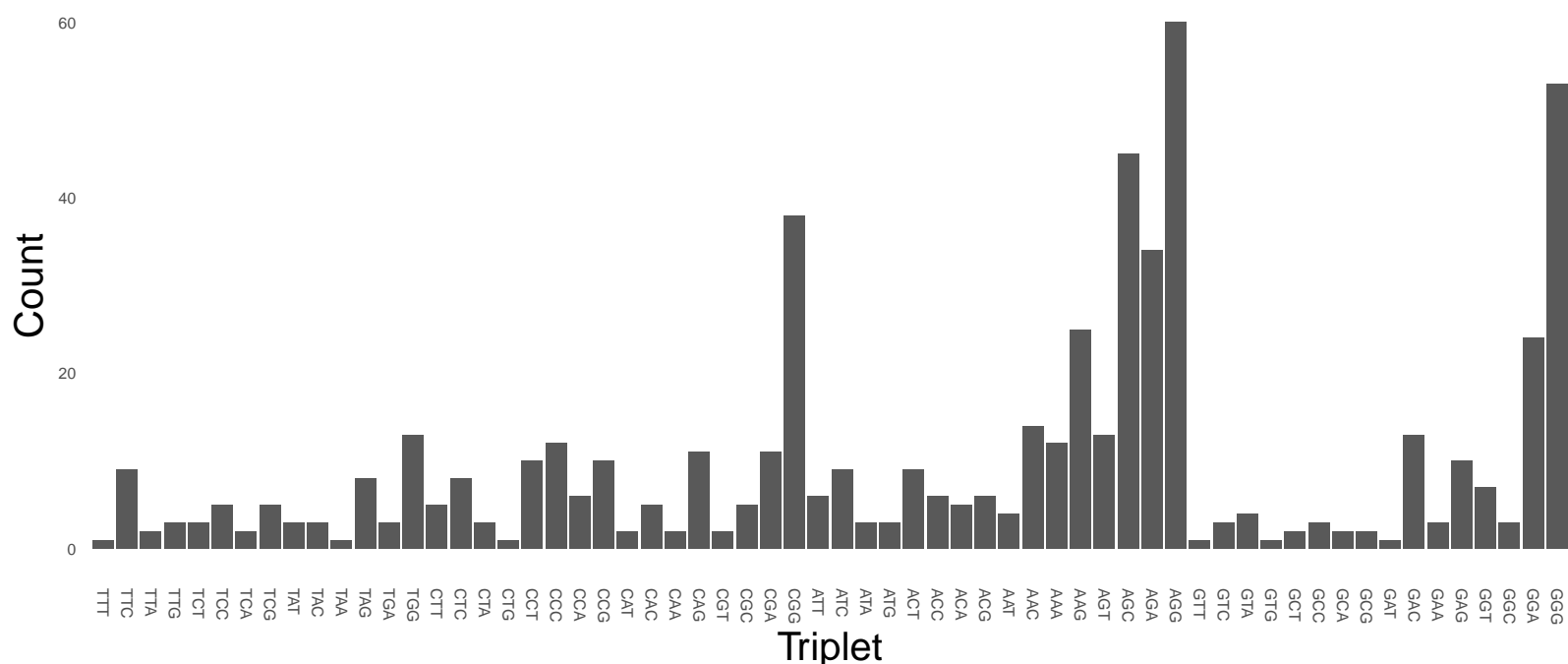
Gene TRBV7-7*ap01_C315T



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

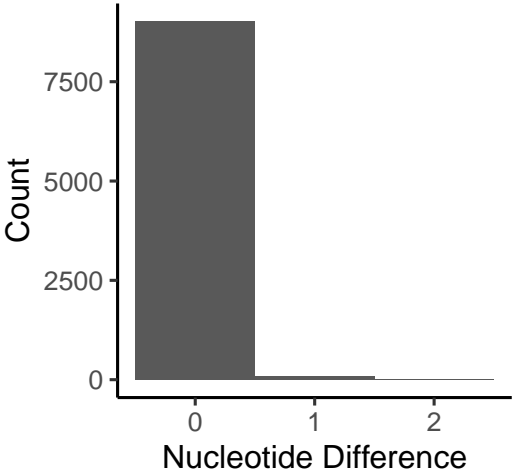


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



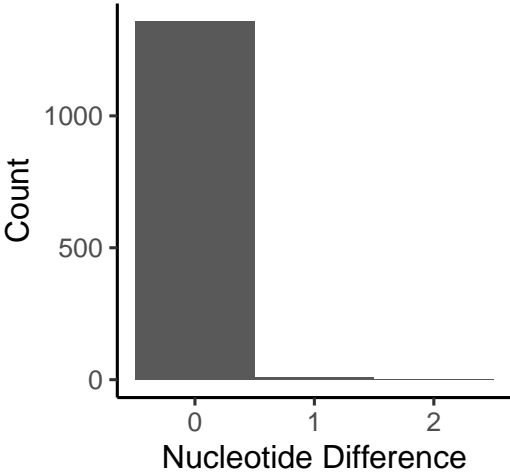
TRBV20-1*ap01

9098 sequences assigned
9018 (99.1%) exact matches, in which:
8920 unique CDR3
13 unique J



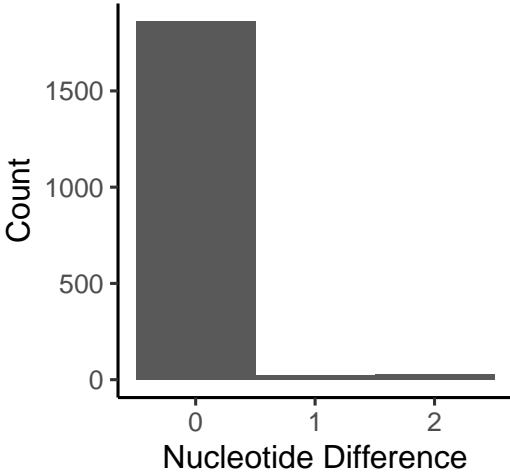
TRBV10-2*ap01

1370 sequences assigned
1358 (99.1%) exact matches, in which:
1336 unique CDR3
13 unique J



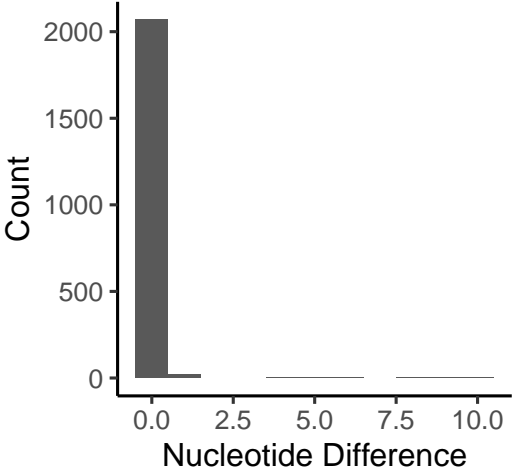
TRBV13*ap01

1915 sequences assigned
1861 (97.2%) exact matches, in which:
1838 unique CDR3
13 unique J



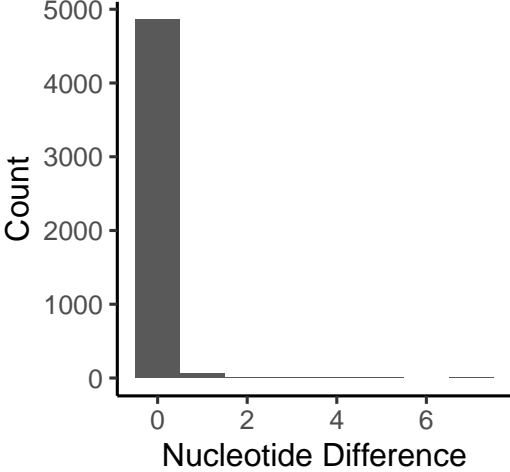
TRBV10-1*ap01

2100 sequences assigned
2069 (98.5%) exact matches, in which:
2037 unique CDR3
13 unique J



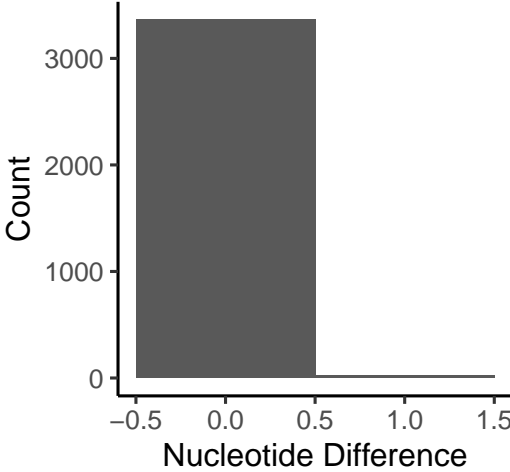
TRBV10-3*ap01

4929 sequences assigned
4858 (98.6%) exact matches, in which:
4799 unique CDR3
13 unique J



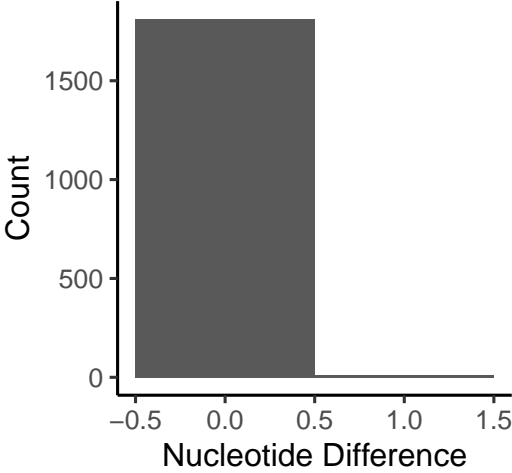
TRBV14*ap01

3389 sequences assigned
3363 (99.2%) exact matches, in which:
3322 unique CDR3
13 unique J



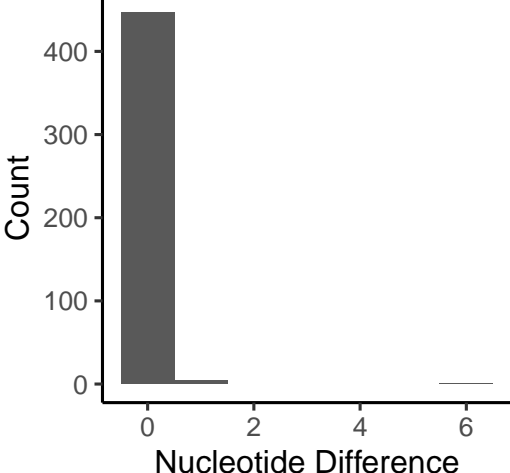
TRBV20-1*ap02

1824 sequences assigned
1812 (99.3%) exact matches, in which:
1792 unique CDR3
13 unique J



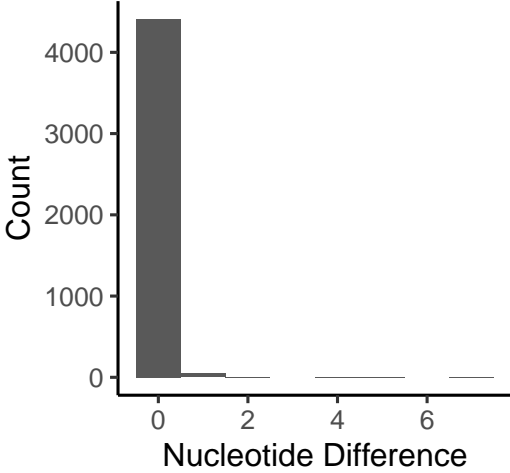
TRBV1*ap01

452 sequences assigned
447 (98.9%) exact matches, in which:
437 unique CDR3
13 unique J



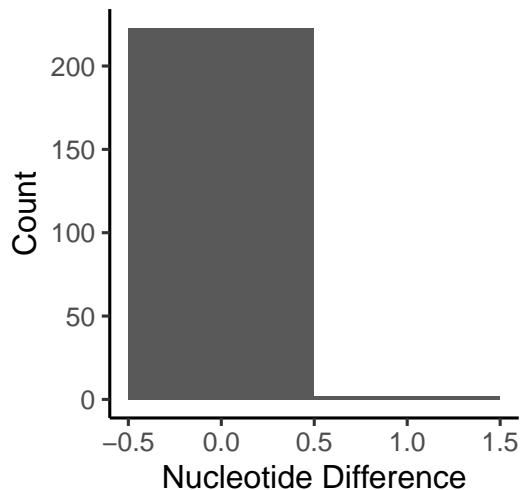
TRBV15*ap02

4460 sequences assigned
4410 (98.9%) exact matches, in which:
4337 unique CDR3
13 unique J



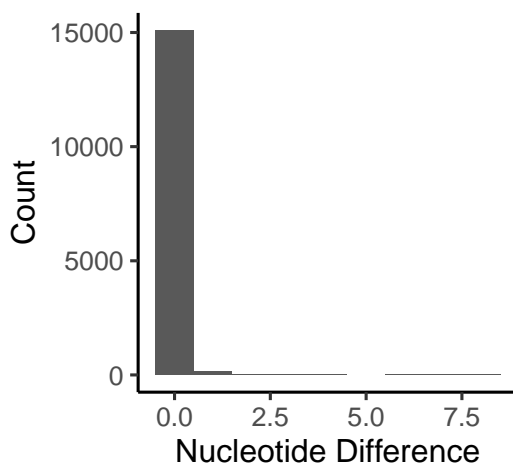
TRBV16*ap01

225 sequences assigned
223 (99.1%) exact matches, in which:
223 unique CDR3
13 unique J



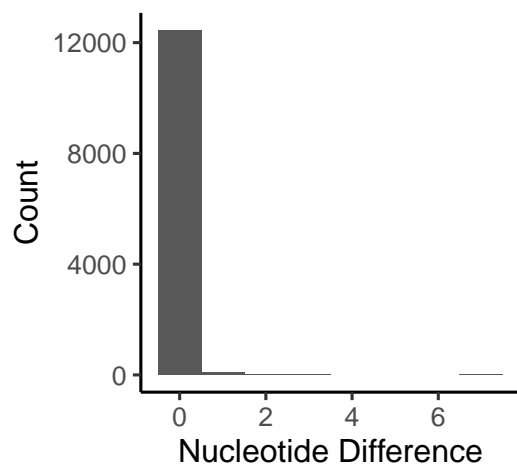
TRBV19*ap01

15257 sequences assigned
15103 (99%) exact matches, in which:
15012 unique CDR3
13 unique J



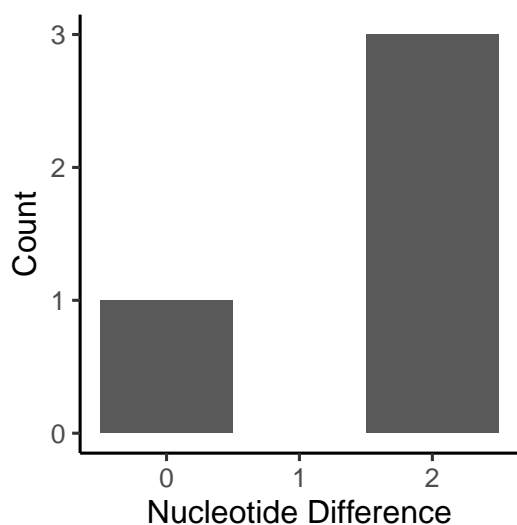
TRBV28*ap01

12556 sequences assigned
12451 (99.2%) exact matches, in which:
12314 unique CDR3
13 unique J



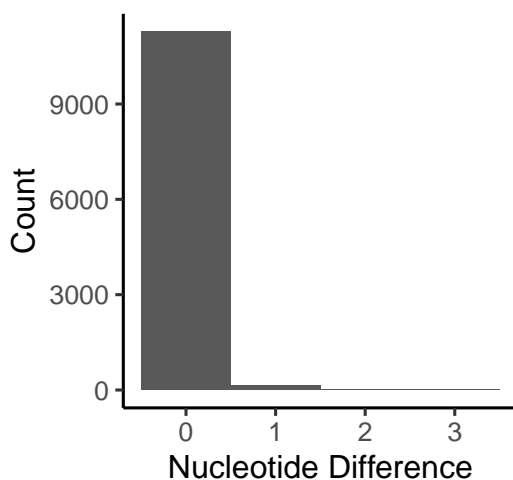
TRBV17*ap01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



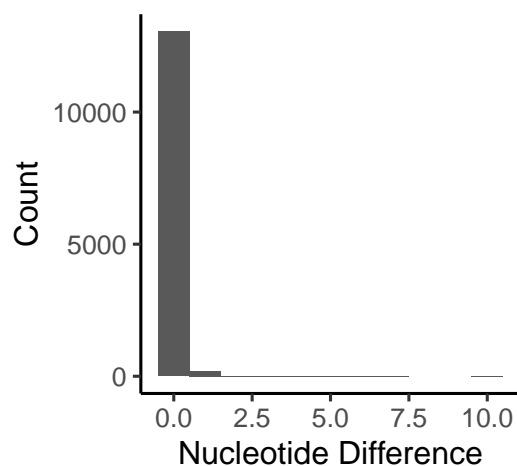
TRBV2*ap01

11415 sequences assigned
11275 (98.8%) exact matches, in which:
11133 unique CDR3
13 unique J



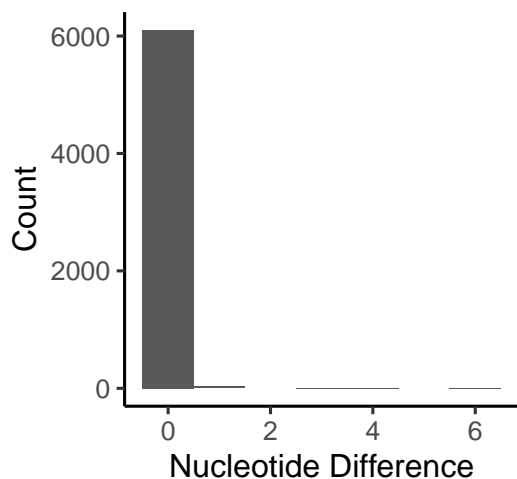
TRBV30*ap01

13261 sequences assigned
13051 (98.4%) exact matches, in which:
12942 unique CDR3
13 unique J



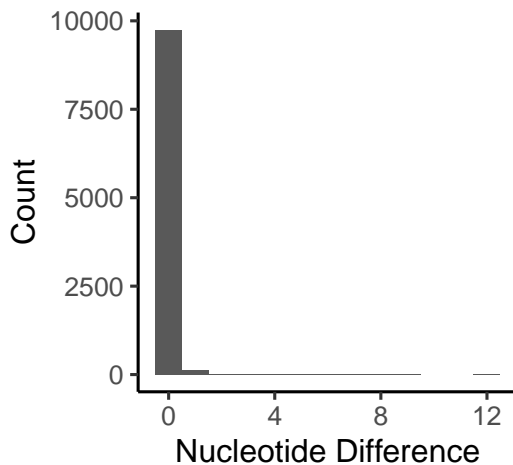
TRBV18*ap01

6133 sequences assigned
6102 (99.5%) exact matches, in which:
6063 unique CDR3
13 unique J



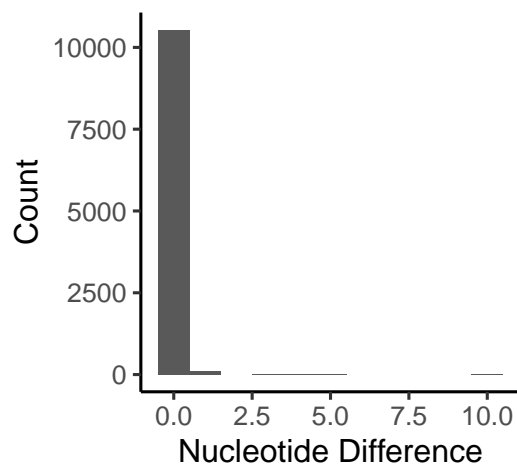
TRBV27*ap01

9882 sequences assigned
9747 (98.6%) exact matches, in which:
9598 unique CDR3
14 unique J



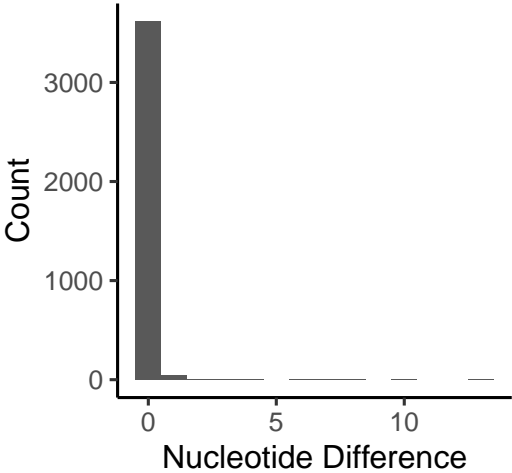
TRBV9*ap01

10644 sequences assigned
10538 (99%) exact matches, in which:
10409 unique CDR3
13 unique J



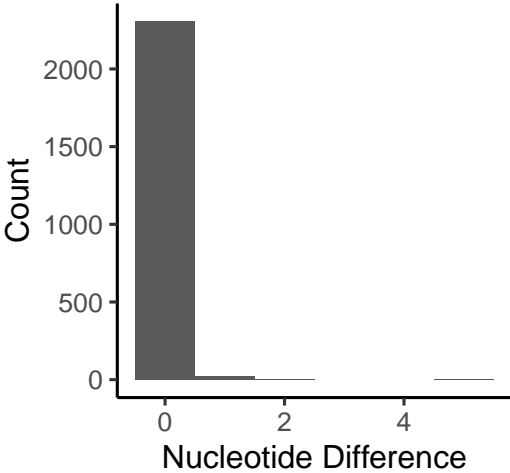
TRBV21-1*ap01

3681 sequences assigned
3616 (98.2%) exact matches, in which:
3587 unique CDR3
13 unique J



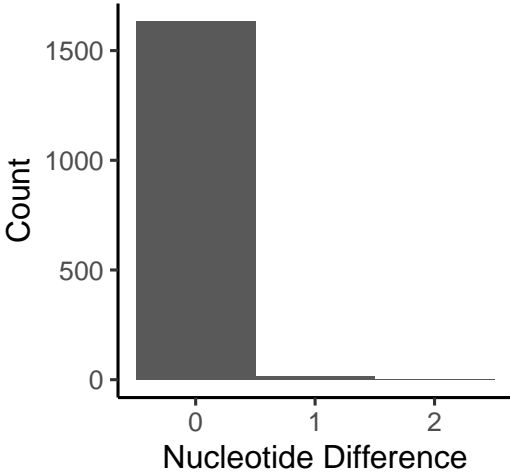
TRBV11-3*ap01

2330 sequences assigned
2306 (99%) exact matches, in which:
2283 unique CDR3
13 unique J



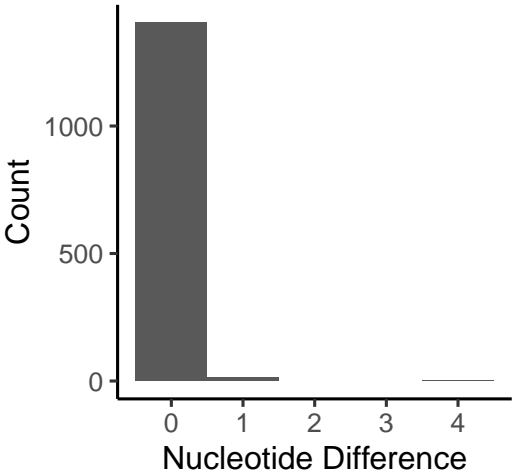
TRBV12-5*ap01

1648 sequences assigned
1633 (99.1%) exact matches, in which:
1608 unique CDR3
13 unique J



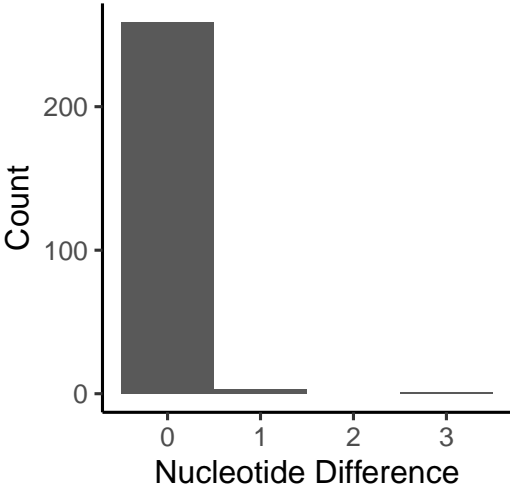
TRBV11-1*ap01

1421 sequences assigned
1405 (98.9%) exact matches, in which:
1395 unique CDR3
13 unique J



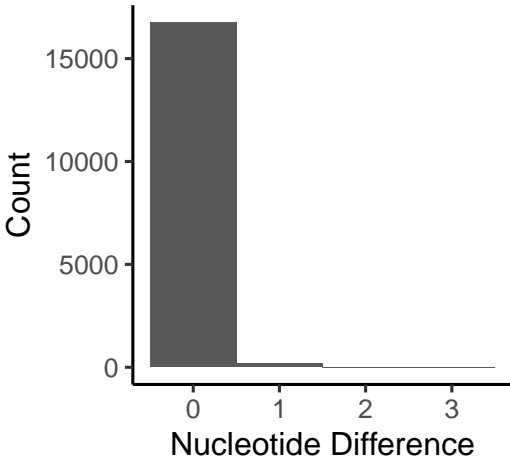
TRBV12-1*ap01

263 sequences assigned
259 (98.5%) exact matches, in which:
258 unique CDR3
13 unique J



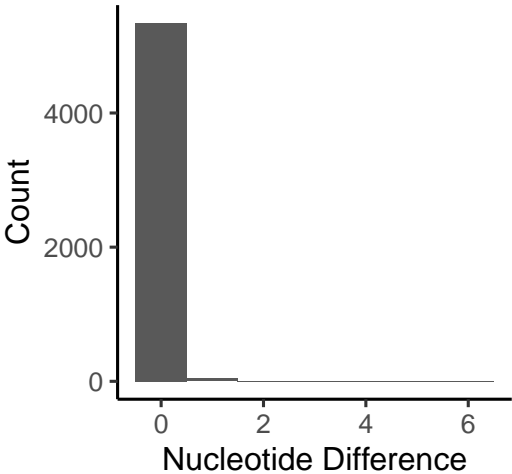
TRBV12-34*ap01

16945 sequences assigned
16756 (98.9%) exact matches, in which:
16541 unique CDR3
13 unique J



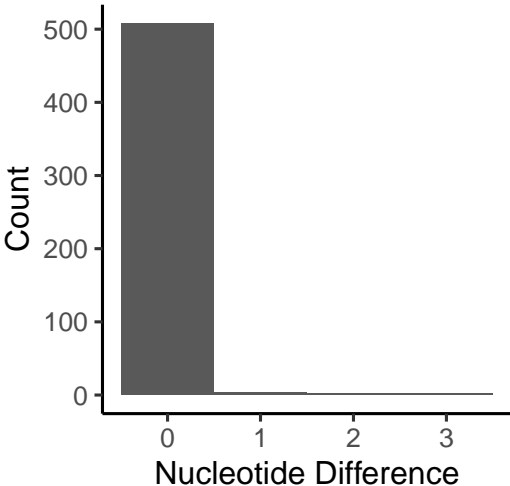
TRBV11-2*ap01

5391 sequences assigned
5341 (99.1%) exact matches, in which:
5261 unique CDR3
13 unique J



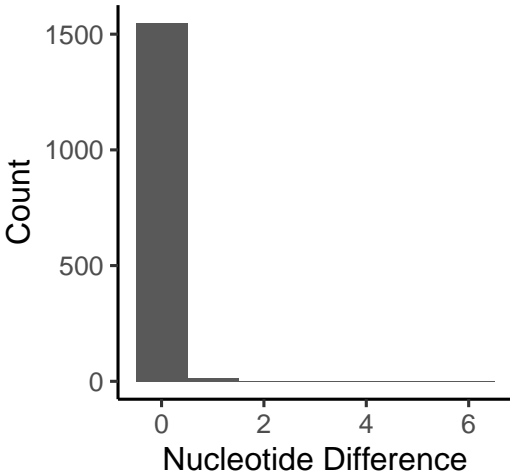
TRBV12-2*ap01

515 sequences assigned
508 (98.6%) exact matches, in which:
503 unique CDR3
13 unique J



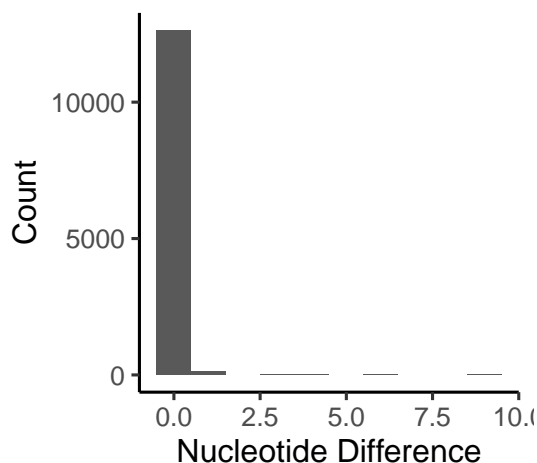
TRBV23-1*ap01

1570 sequences assigned
1548 (98.6%) exact matches, in which:
1531 unique CDR3
13 unique J



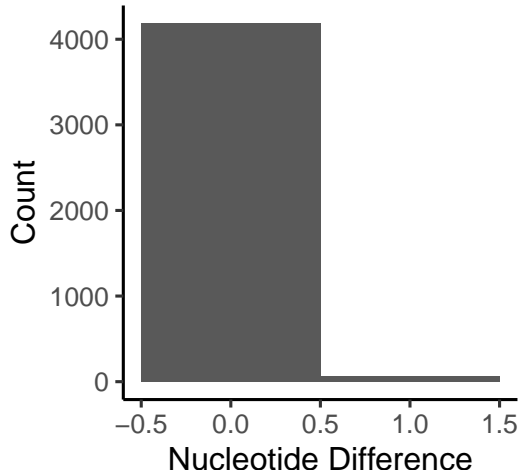
TRBV3-12*ap01

12790 sequences assigned
12640 (98.8%) exact matches, in which:
12477 unique CDR3
13 unique J



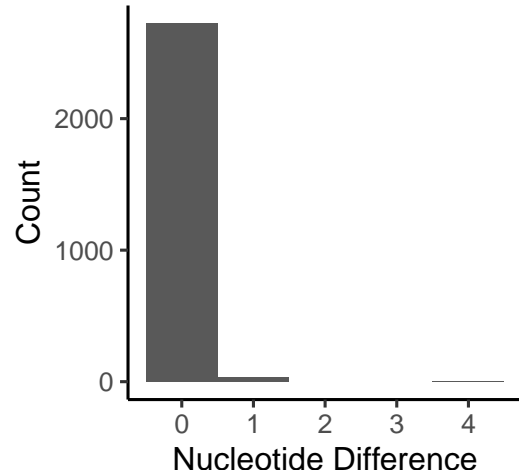
TRBV4-2*ap01

4255 sequences assigned
4185 (98.4%) exact matches, in which:
4135 unique CDR3
13 unique J



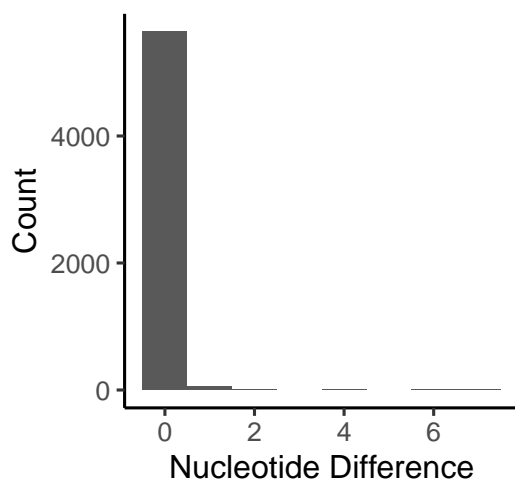
TRBV25-1*ap01

2763 sequences assigned
2724 (98.6%) exact matches, in which:
2699 unique CDR3
13 unique J



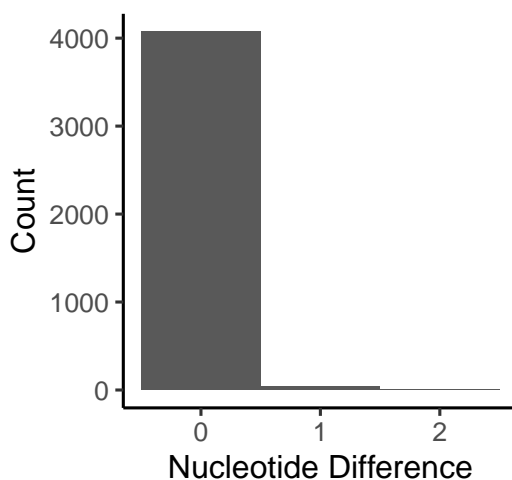
TRBV4-1*ap01

5699 sequences assigned
5642 (99%) exact matches, in which:
5554 unique CDR3
13 unique J



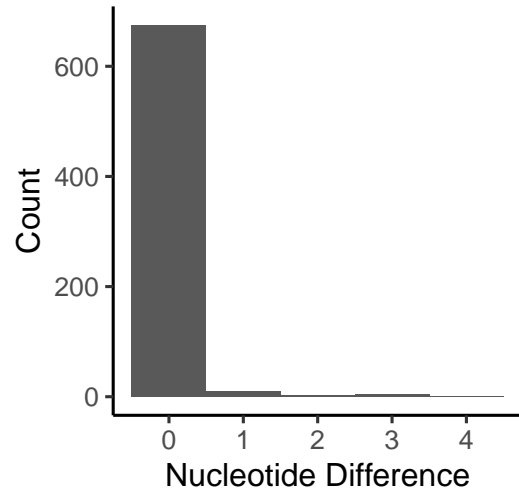
TRBV4-3*ap01

4120 sequences assigned
4073 (98.9%) exact matches, in which:
4020 unique CDR3
13 unique J



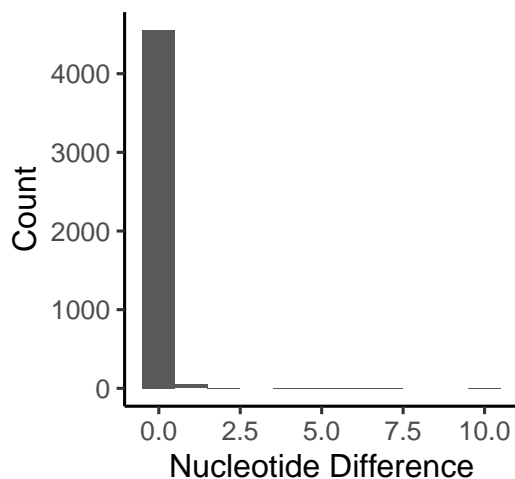
TRBV5-3*ap01

693 sequences assigned
675 (97.4%) exact matches, in which:
669 unique CDR3
13 unique J



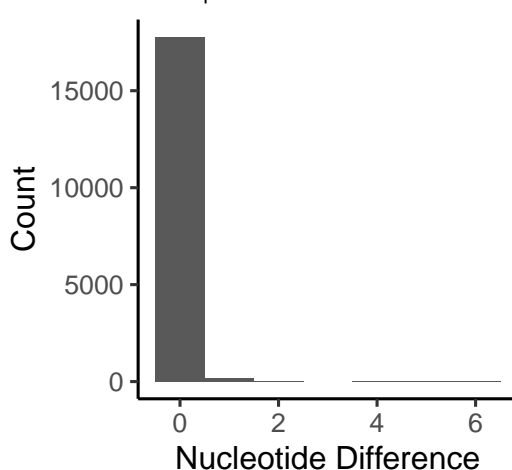
TRBV24-1*ap01

4620 sequences assigned
4555 (98.6%) exact matches, in which:
4501 unique CDR3
13 unique J



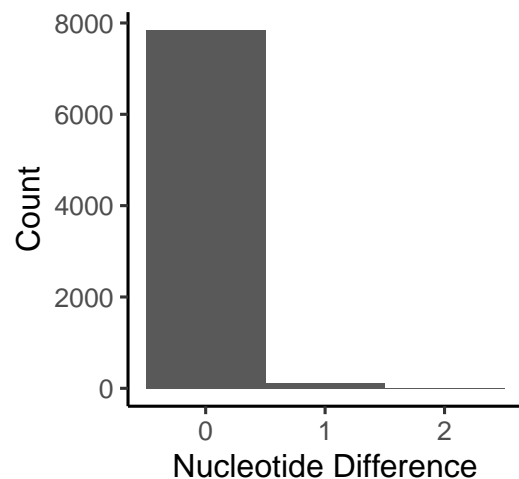
TRBV5-1*ap01

17957 sequences assigned
17781 (99%) exact matches, in which:
17457 unique CDR3
13 unique J



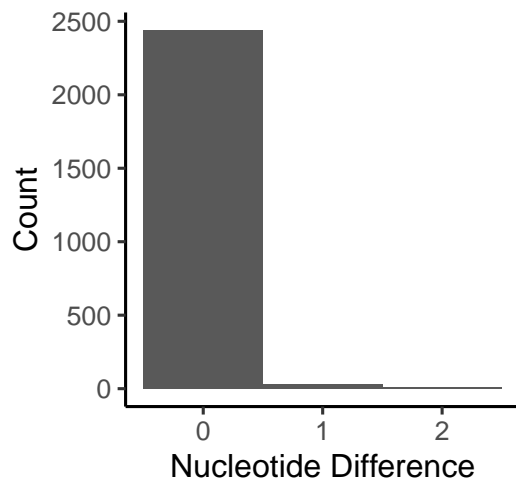
TRBV5-4*ap01

7959 sequences assigned
7845 (98.6%) exact matches, in which:
7742 unique CDR3
13 unique J



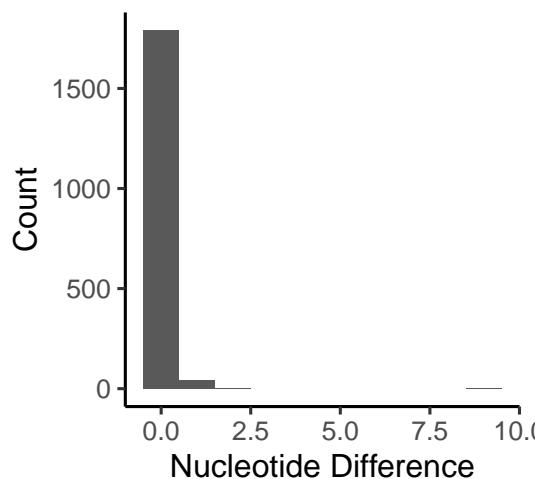
TRBV5-5*ap01

2476 sequences assigned
2438 (98.5%) exact matches, in which:
2418 unique CDR3
13 unique J



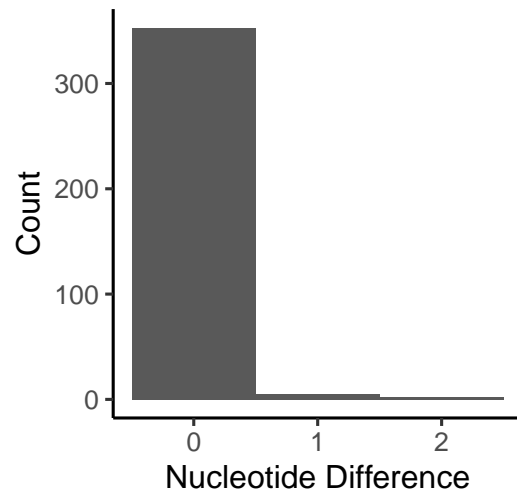
TRBV5-8*ap01

1838 sequences assigned
1790 (97.4%) exact matches, in which:
1768 unique CDR3
13 unique J



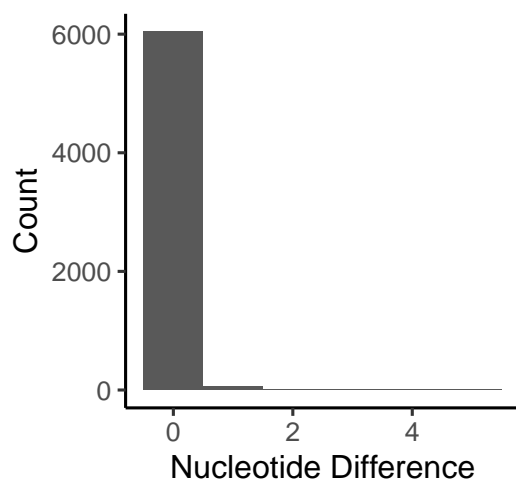
TRBV6-7*ap01

360 sequences assigned
353 (98.1%) exact matches, in which:
349 unique CDR3
13 unique J



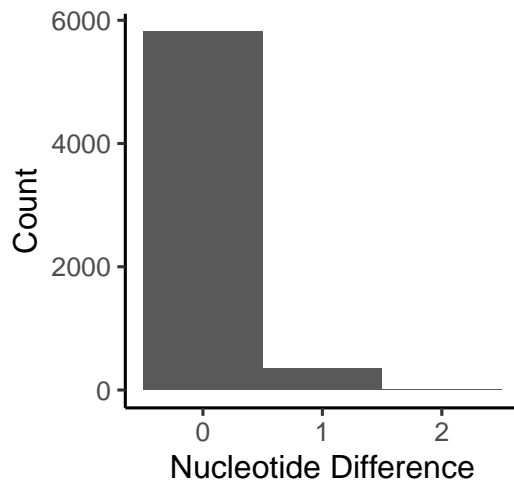
TRBV5-6*ap01

6106 sequences assigned
6041 (98.9%) exact matches, in which:
5942 unique CDR3
13 unique J



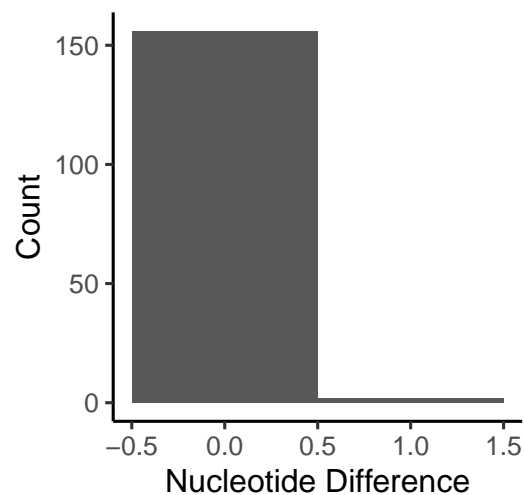
TRBV6-1*ap01

6159 sequences assigned
5814 (94.4%) exact matches, in which:
5727 unique CDR3
13 unique J



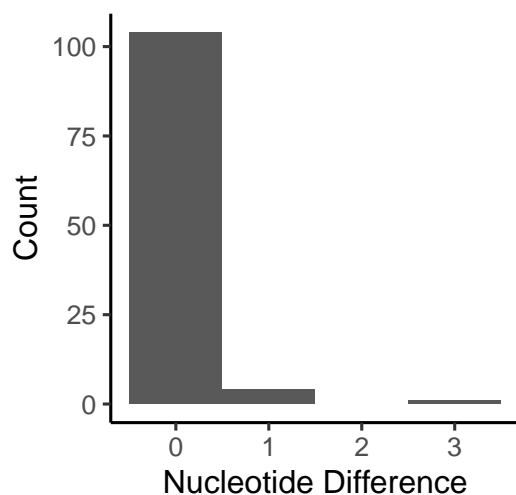
TRBV6-8*ap01

158 sequences assigned
156 (98.7%) exact matches, in which:
153 unique CDR3
13 unique J



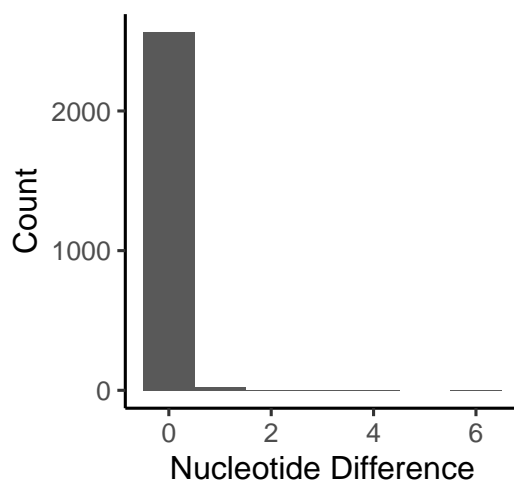
TRBV5-7*ap01

109 sequences assigned
104 (95.4%) exact matches, in which:
102 unique CDR3
13 unique J



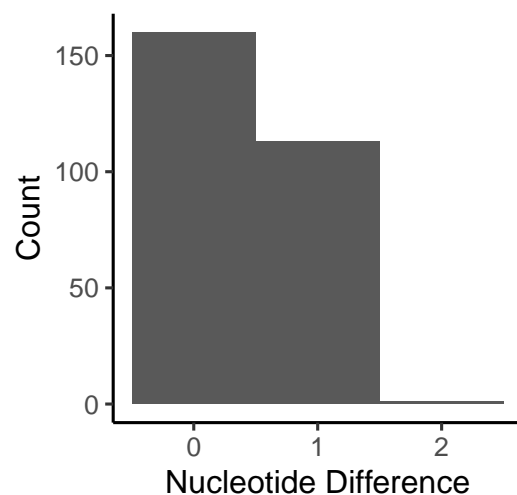
TRBV6-4*ap01

2600 sequences assigned
2565 (98.7%) exact matches, in which:
2530 unique CDR3
13 unique J



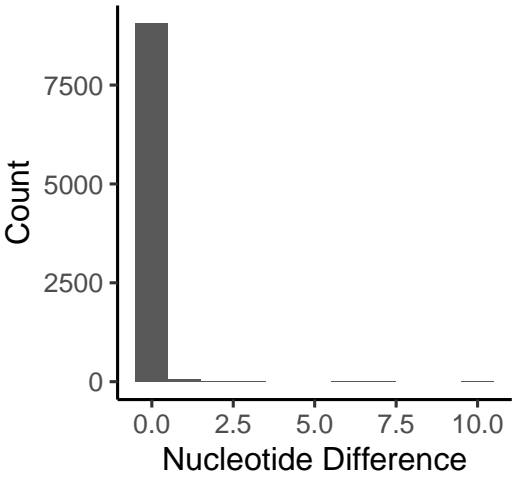
TRBV6-9*ap01

274 sequences assigned
160 (58.4%) exact matches, in which:
159 unique CDR3
13 unique J



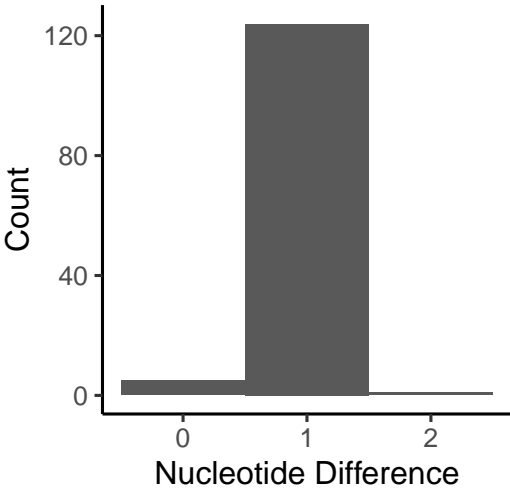
TRBV6-23*ap01

9147 sequences assigned
9059 (99%) exact matches, in which:
8928 unique CDR3
13 unique J



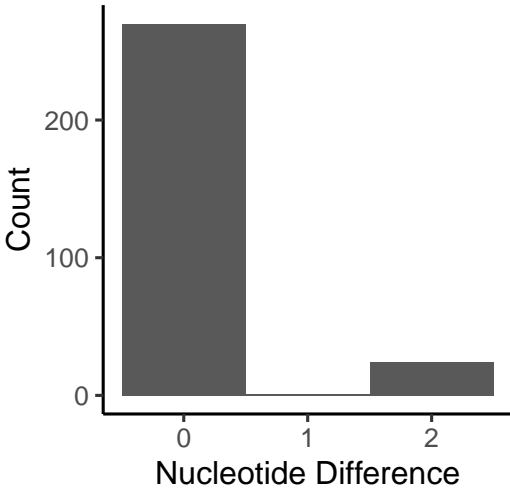
TRBV7-1*ap01_T296C

130 sequences assigned
5 (3.8%) exact matches, in which:
5 unique CDR3
3 unique J



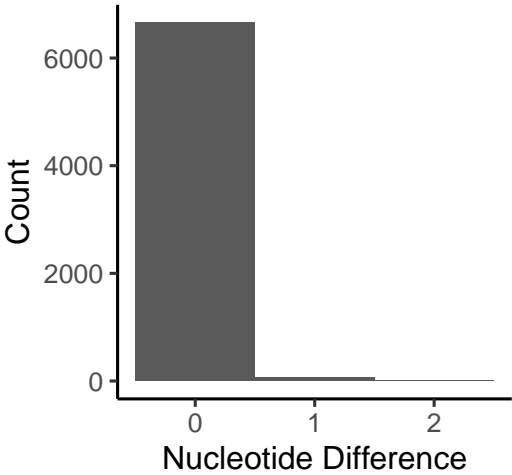
TRBV7-4*ap01

295 sequences assigned
270 (91.5%) exact matches, in which:
263 unique CDR3
13 unique J



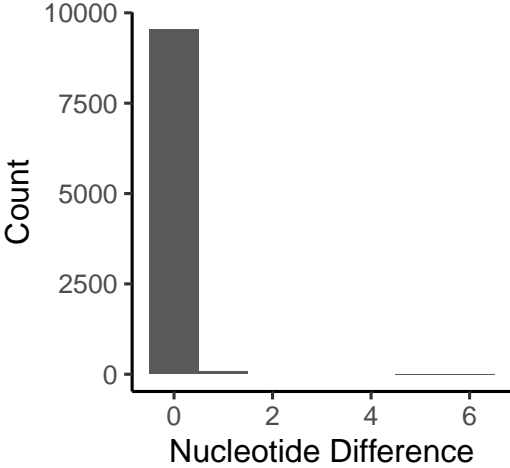
TRBV6-56*ap01

6729 sequences assigned
6656 (98.9%) exact matches, in which:
6554 unique CDR3
14 unique J



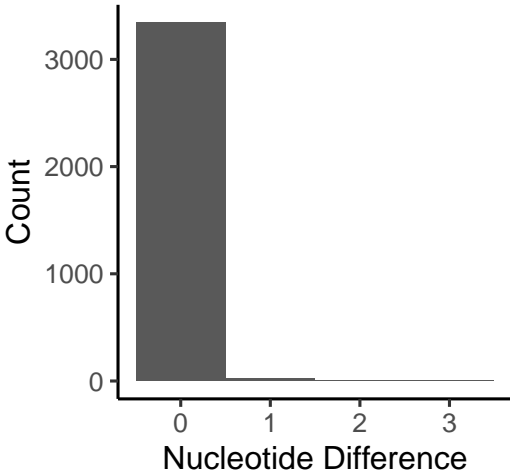
TRBV7-2*ap01

9615 sequences assigned
9540 (99.2%) exact matches, in which:
9436 unique CDR3
13 unique J



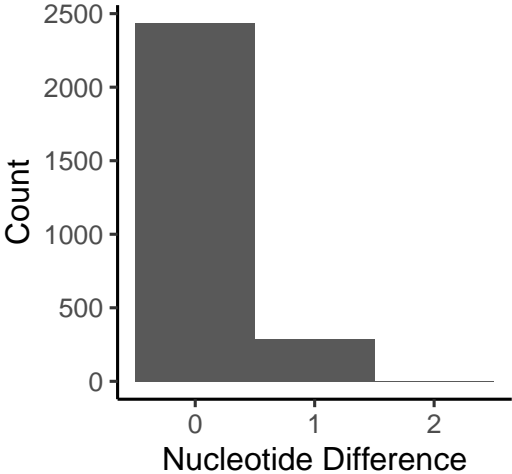
TRBV7-6*ap01

3366 sequences assigned
3342 (99.3%) exact matches, in which:
3293 unique CDR3
14 unique J



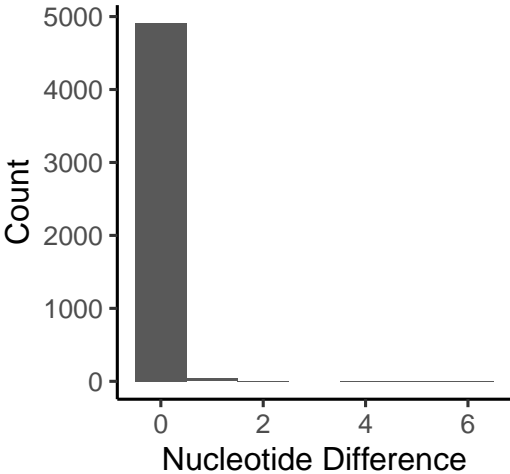
TRBV6-56*ap02

2727 sequences assigned
2436 (89.3%) exact matches, in which:
2406 unique CDR3
13 unique J



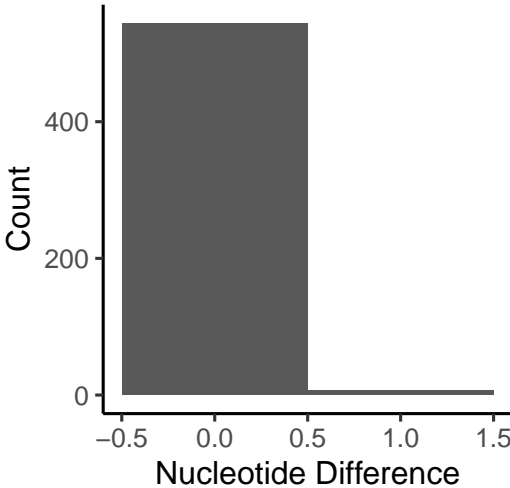
TRBV7-3*ap01

4958 sequences assigned
4911 (99.1%) exact matches, in which:
4855 unique CDR3
13 unique J



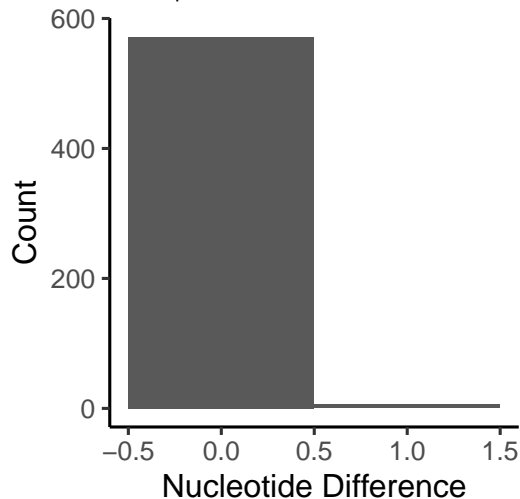
TRBV7-7*ap01

551 sequences assigned
544 (98.7%) exact matches, in which:
540 unique CDR3
13 unique J



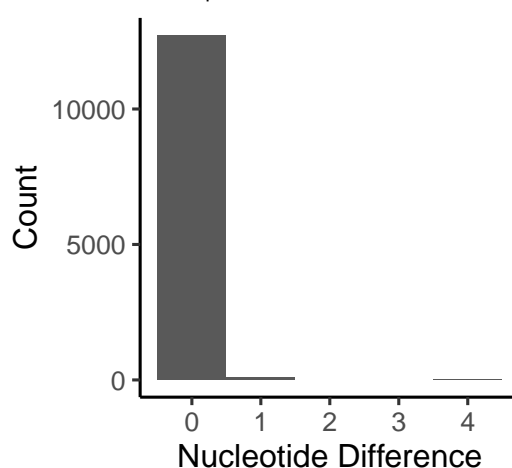
TRBV7-7*ap01_C315T

578 sequences assigned
572 (99%) exact matches, in which:
567 unique CDR3
13 unique J



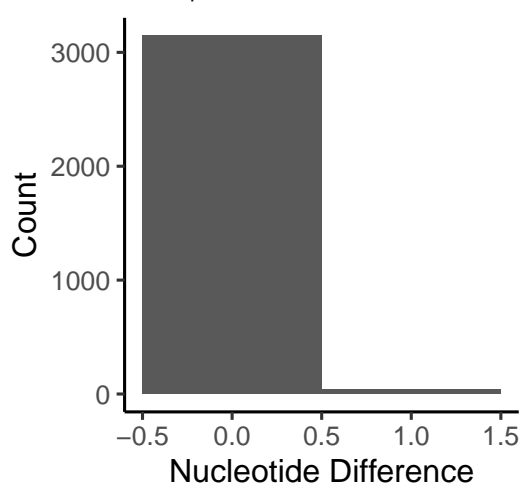
TRBV7-9*ap01

12815 sequences assigned
12726 (99.3%) exact matches, in which:
12626 unique CDR3
13 unique J



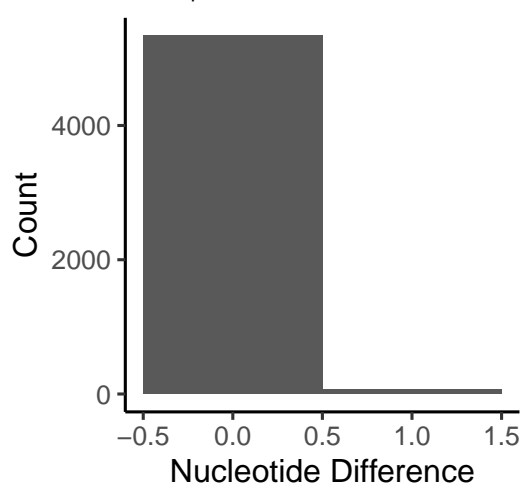
TRBV7-8*ap01

3185 sequences assigned
3146 (98.8%) exact matches, in which:
3104 unique CDR3
13 unique J



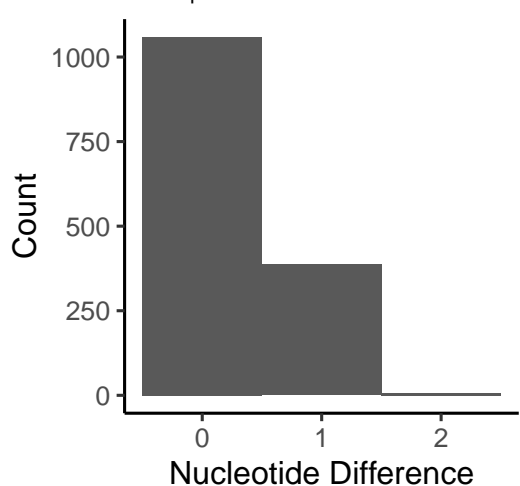
TRBV29-1*ap01

5401 sequences assigned
5337 (98.8%) exact matches, in which:
5270 unique CDR3
13 unique J



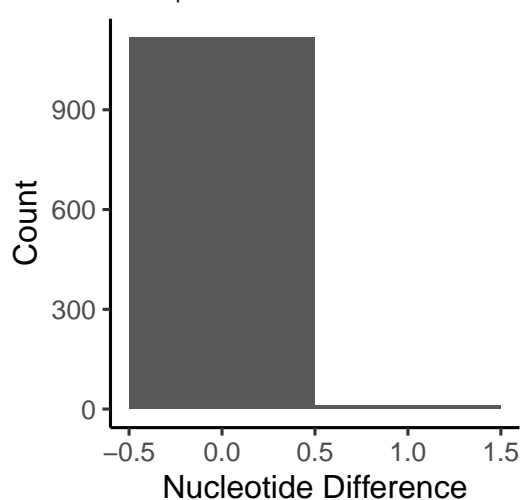
TRBV7-8*ap03

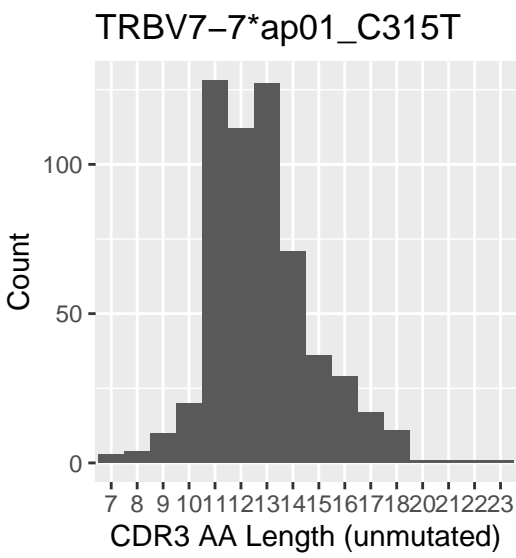
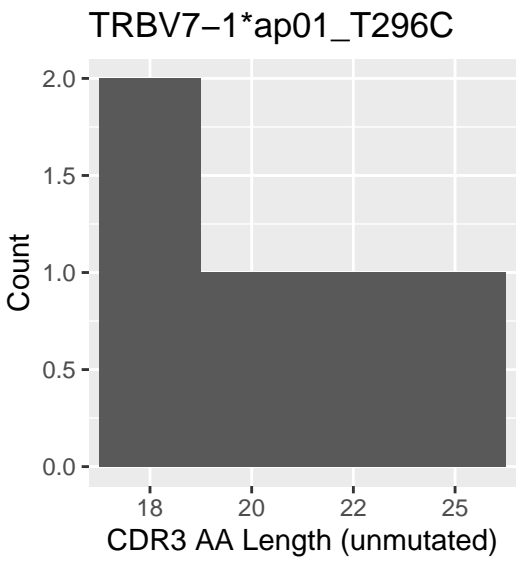
1452 sequences assigned
1059 (72.9%) exact matches, in which:
1041 unique CDR3
13 unique J



TRBV29-1*ap02

1128 sequences assigned
1118 (99.1%) exact matches, in which:
1102 unique CDR3
13 unique J







[illegible]