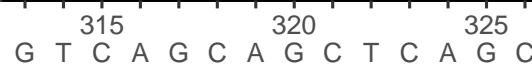
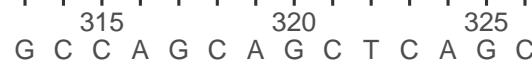


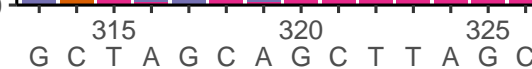
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



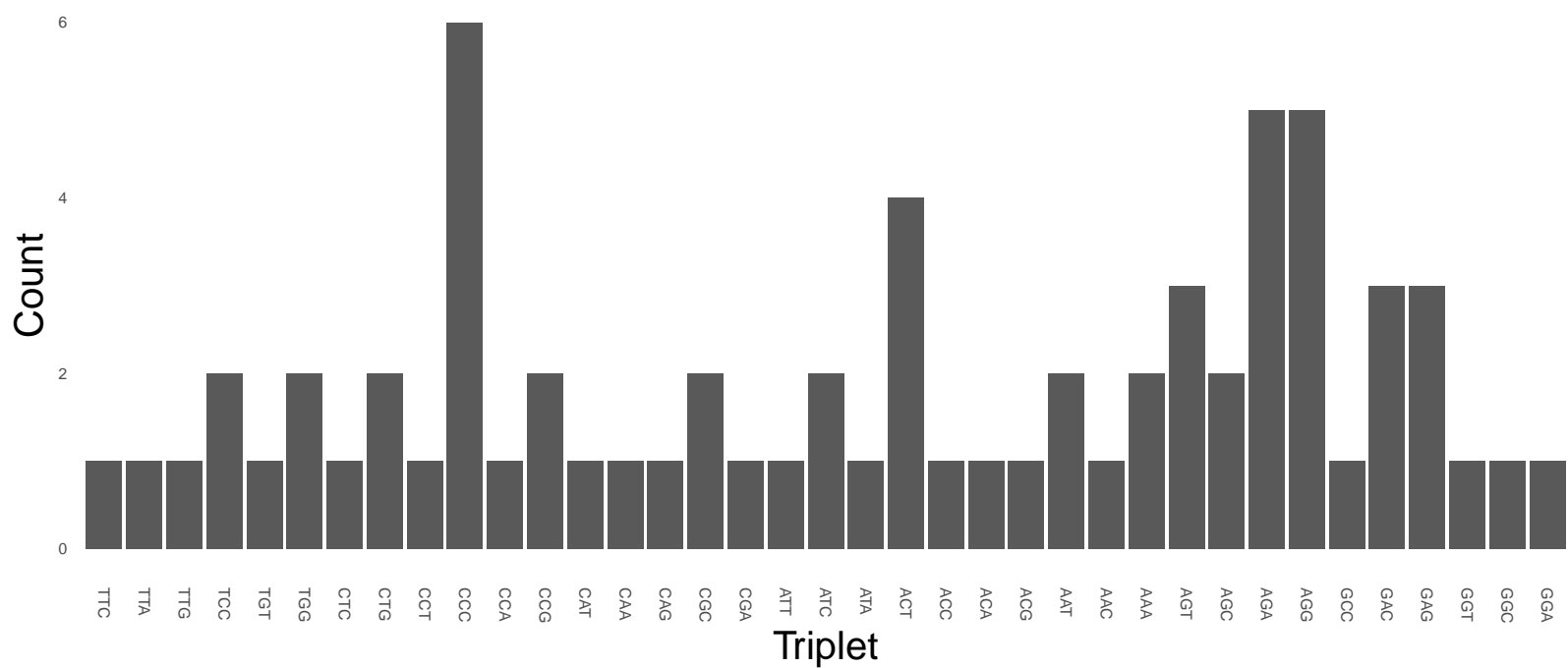
Gene TRBV7-1*ap01_G291C_T296C



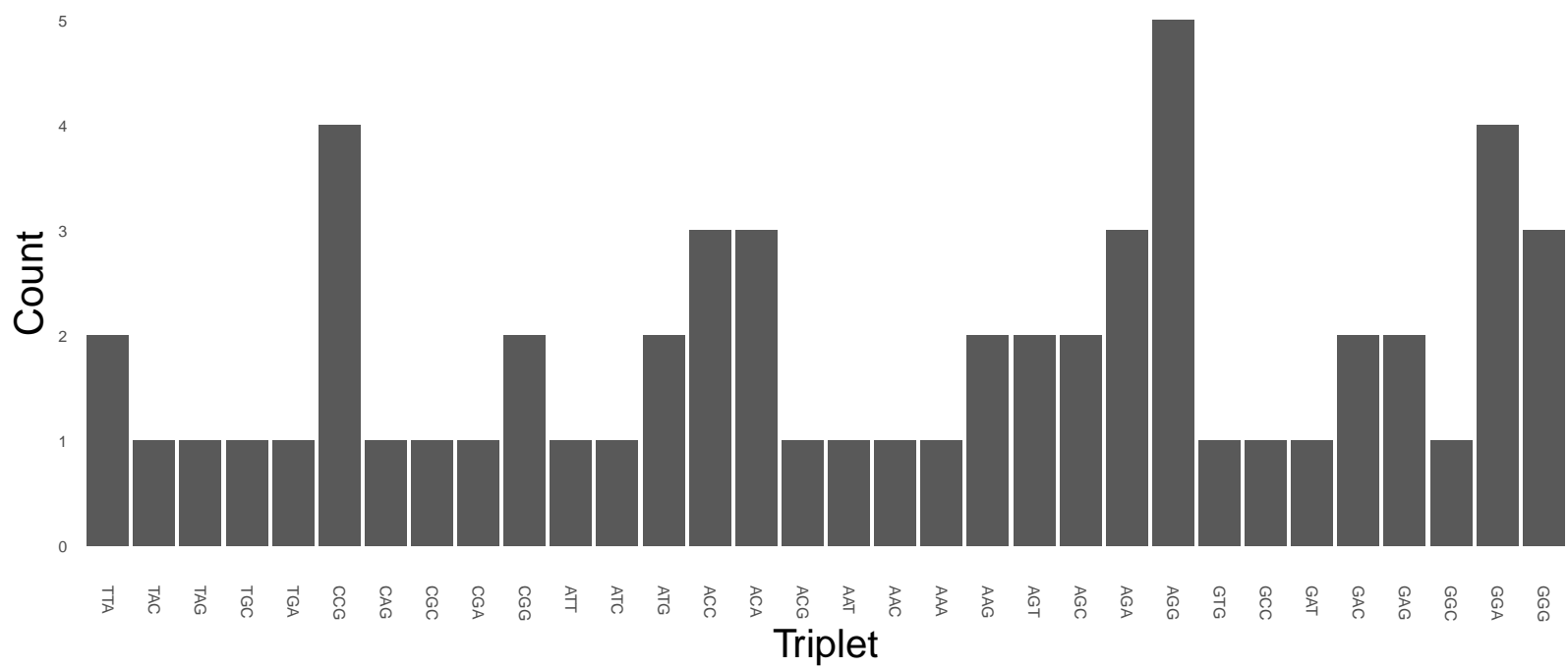
Gene TRBV7-7*ap01_C315T



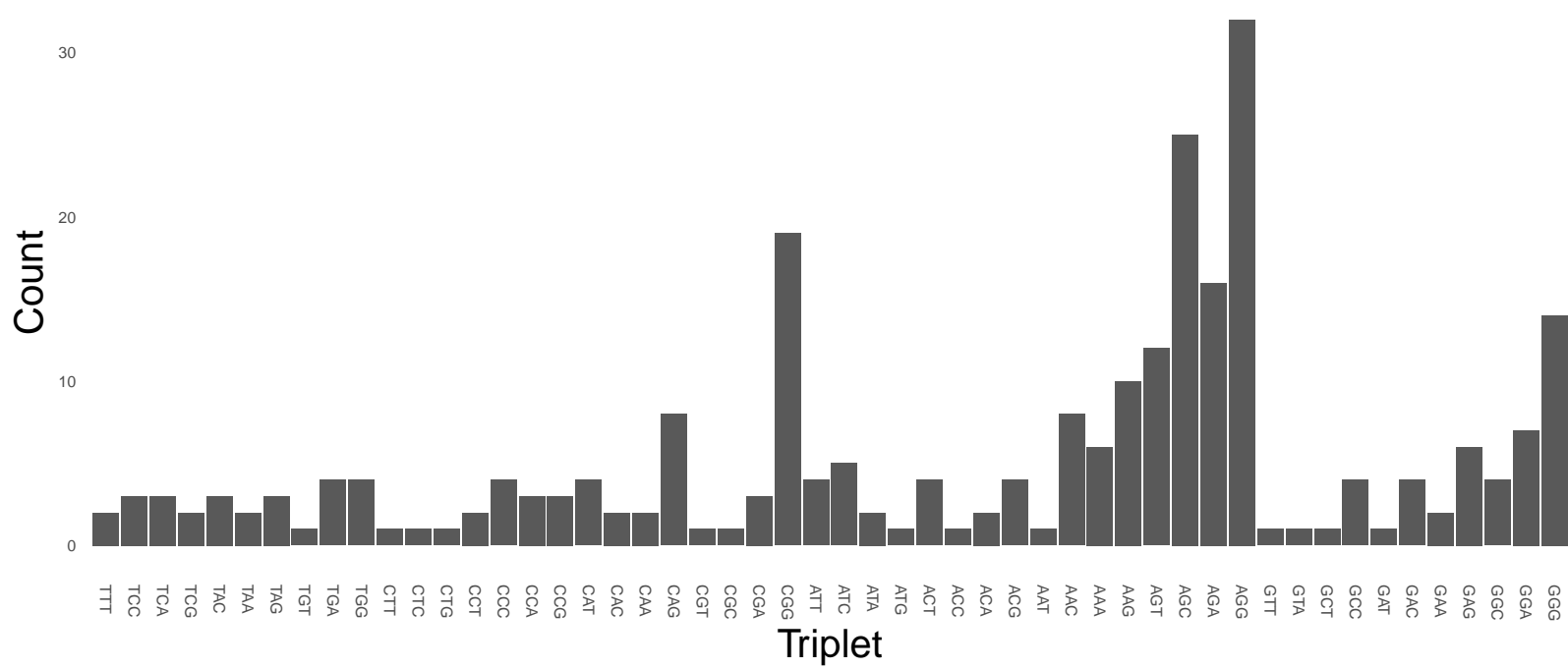
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

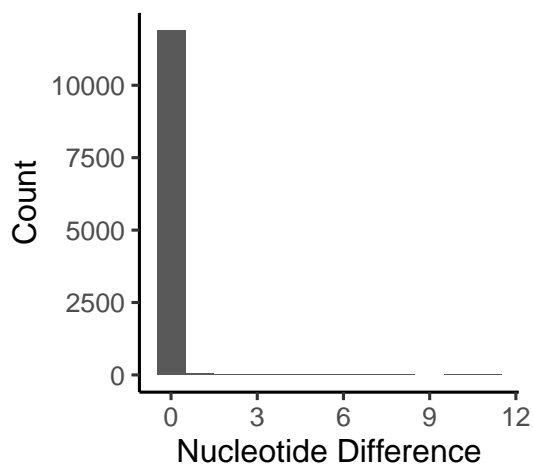


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



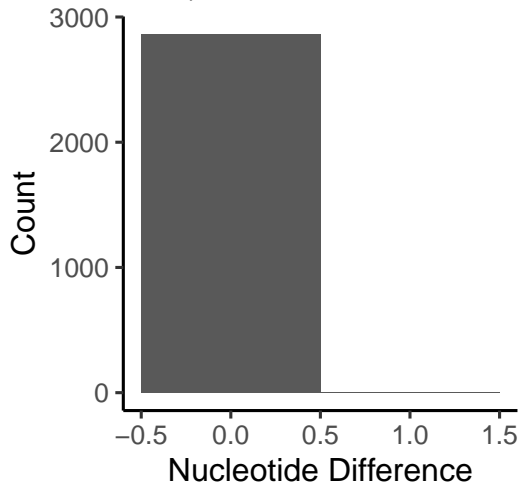
TRBV20-1*ap01

11967 sequences assigned
11903 (99.5%) exact matches, in which:
11845 unique CDR3
13 unique J



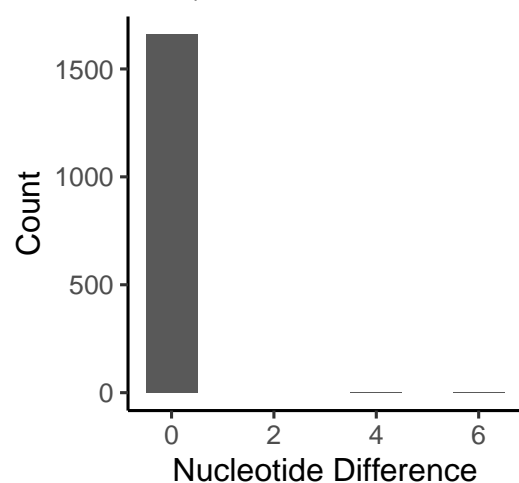
TRBV10-3*ap01

2866 sequences assigned
2861 (99.8%) exact matches, in which:
2856 unique CDR3
13 unique J



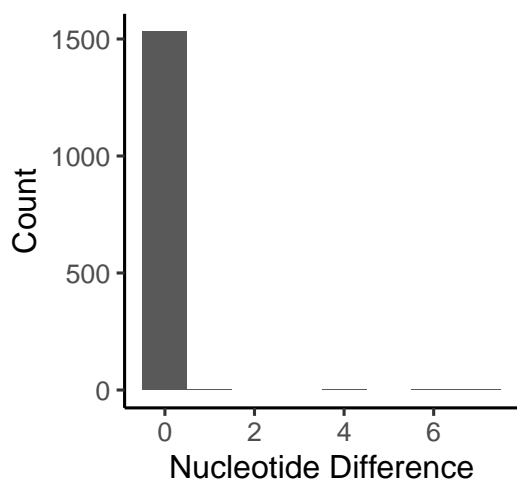
TRBV14*ap01

1662 sequences assigned
1660 (99.9%) exact matches, in which:
1659 unique CDR3
13 unique J



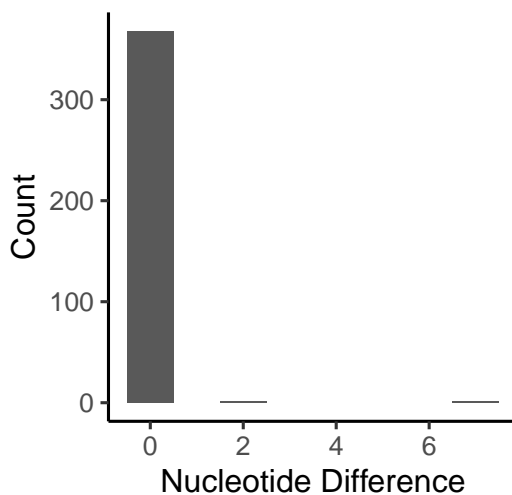
TRBV10-1*ap01

1536 sequences assigned
1531 (99.7%) exact matches, in which:
1529 unique CDR3
13 unique J



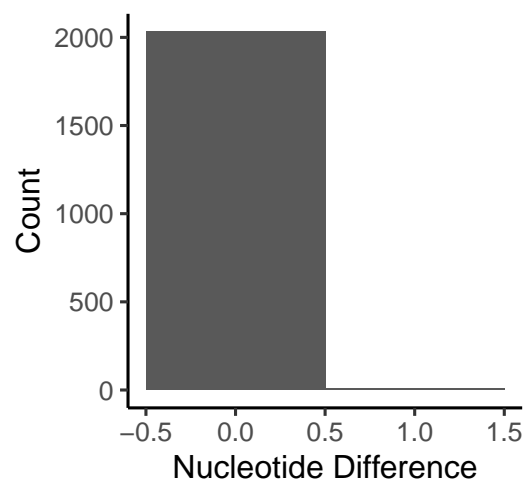
TRBV1*ap01

370 sequences assigned
368 (99.5%) exact matches, in which:
362 unique CDR3
13 unique J



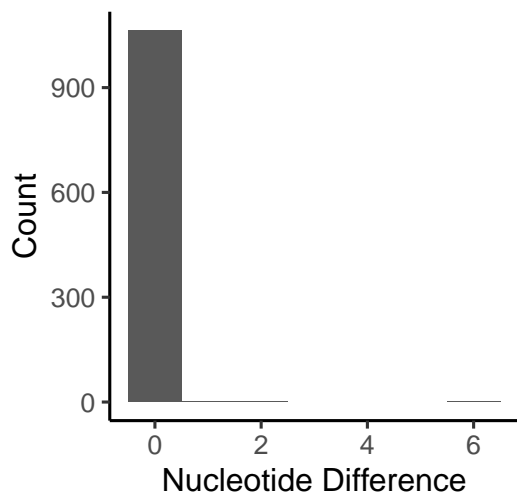
TRBV15*ap02

2038 sequences assigned
2032 (99.7%) exact matches, in which:
2025 unique CDR3
13 unique J



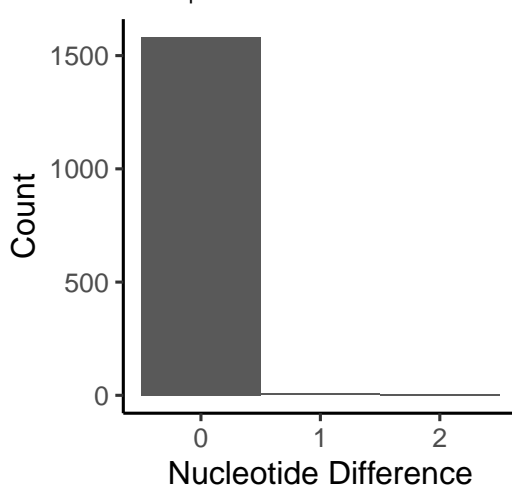
TRBV10-2*ap01

1067 sequences assigned
1064 (99.7%) exact matches, in which:
1064 unique CDR3
13 unique J



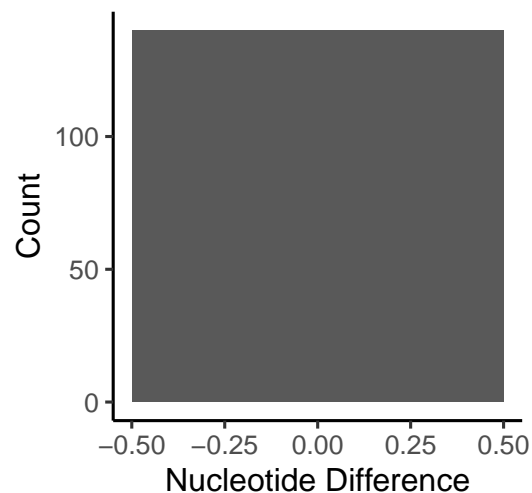
TRBV13*ap01

1596 sequences assigned
1582 (99.1%) exact matches, in which:
1579 unique CDR3
13 unique J



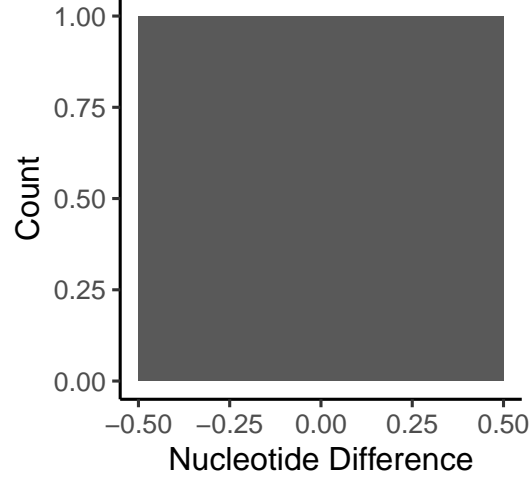
TRBV16*ap01

140 sequences assigned
140 (100%) exact matches, in which:
140 unique CDR3
13 unique J



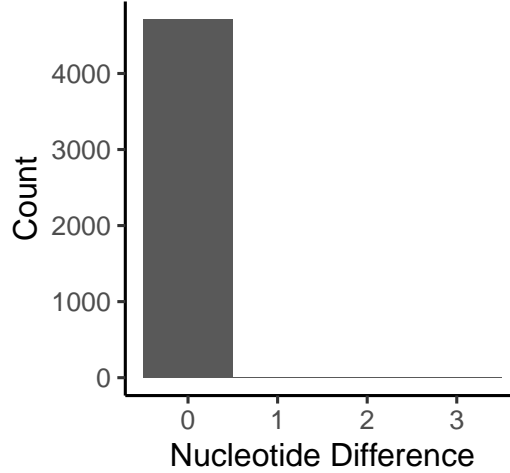
TRBV17*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



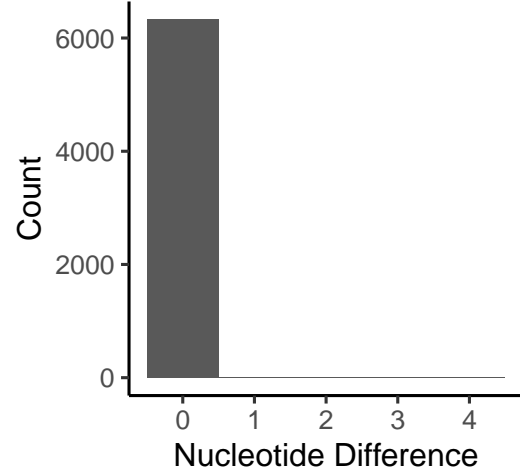
TRBV2*ap01

4725 sequences assigned
4711 (99.7%) exact matches, in which:
4693 unique CDR3
13 unique J



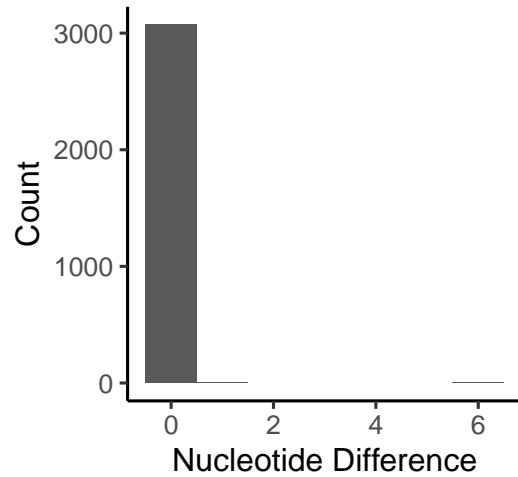
TRBV28*ap01

6349 sequences assigned
6329 (99.7%) exact matches, in which:
6315 unique CDR3
13 unique J



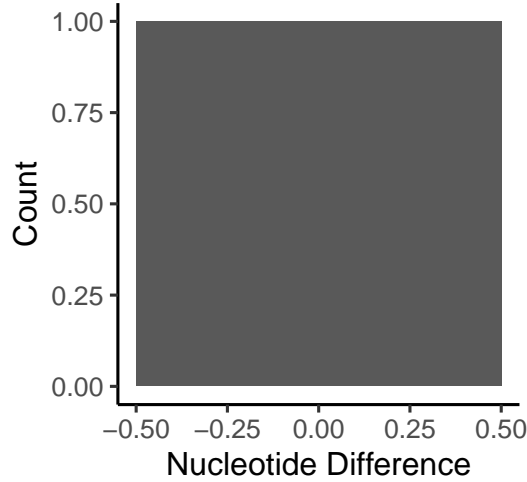
TRBV18*ap01

3078 sequences assigned
3072 (99.8%) exact matches, in which:
3069 unique CDR3
13 unique J



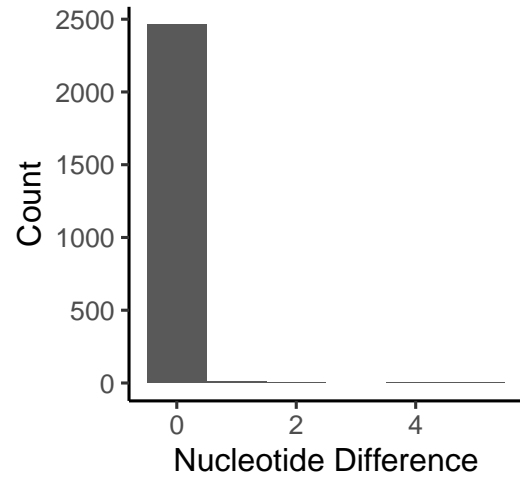
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



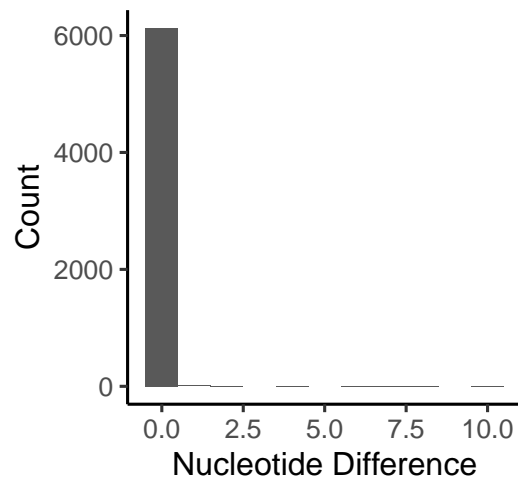
TRBV30*ap01

2475 sequences assigned
2462 (99.5%) exact matches, in which:
2448 unique CDR3
13 unique J



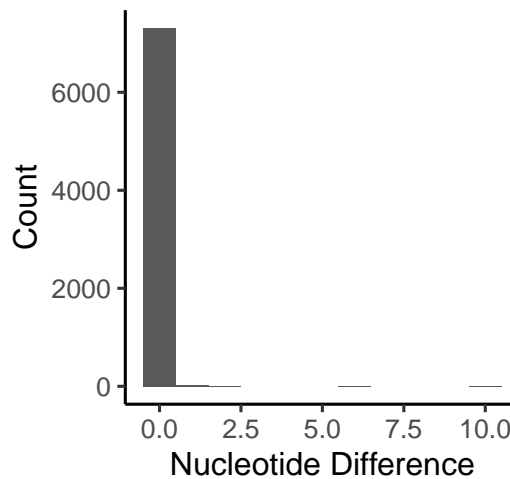
TRBV19*ap01

6149 sequences assigned
6128 (99.7%) exact matches, in which:
6124 unique CDR3
13 unique J



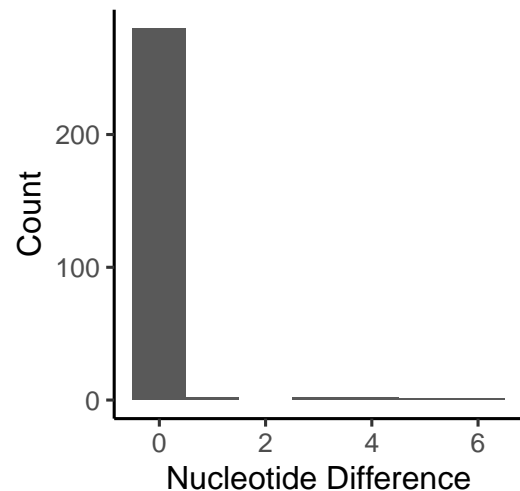
TRBV27*ap01

7340 sequences assigned
7311 (99.6%) exact matches, in which:
7282 unique CDR3
14 unique J



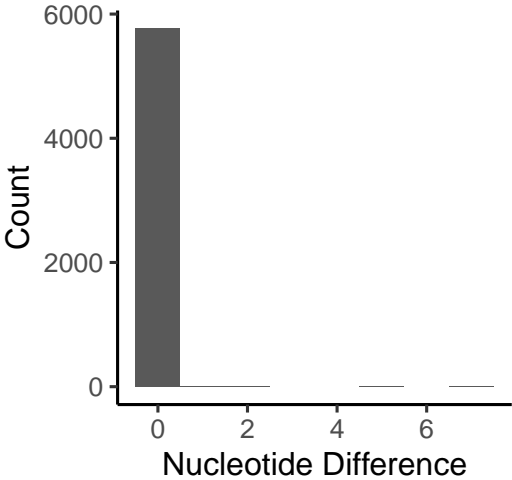
TRBV30*ap02

288 sequences assigned
280 (97.2%) exact matches, in which:
279 unique CDR3
13 unique J



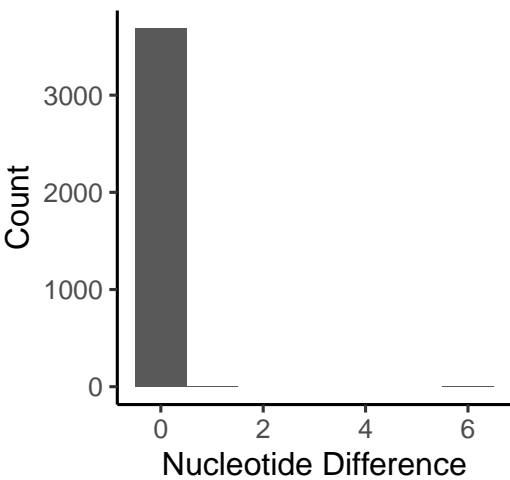
TRBV9*ap01

5779 sequences assigned
5769 (99.8%) exact matches, in which:
5751 unique CDR3
13 unique J



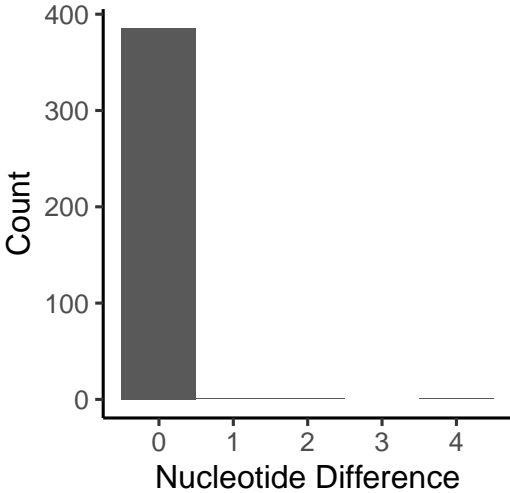
TRBV11-2*ap01

3692 sequences assigned
3687 (99.9%) exact matches, in which:
3684 unique CDR3
13 unique J



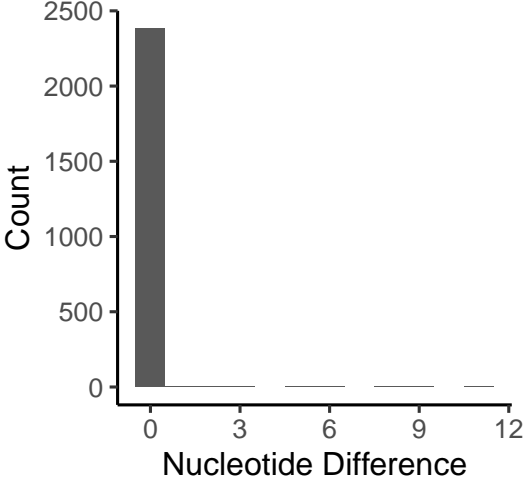
TRBV12-2*ap01

389 sequences assigned
386 (99.2%) exact matches, in which:
385 unique CDR3
13 unique J



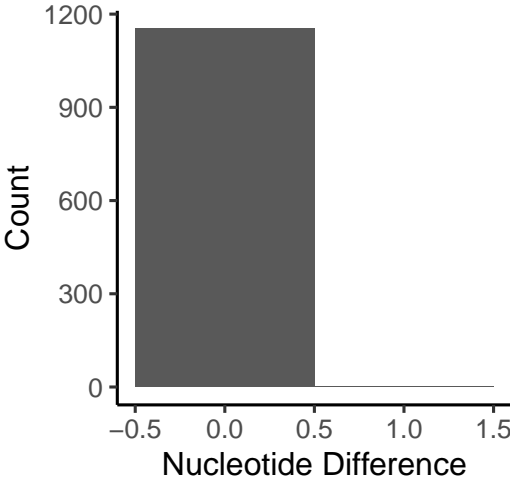
TRBV21-1*ap01

2394 sequences assigned
2381 (99.5%) exact matches, in which:
2379 unique CDR3
13 unique J



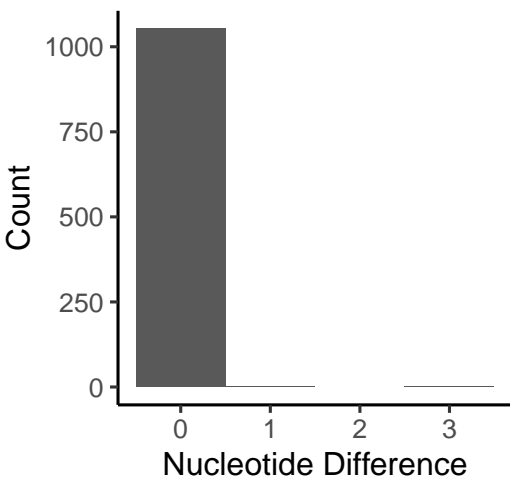
TRBV11-3*ap01

1154 sequences assigned
1153 (99.9%) exact matches, in which:
1150 unique CDR3
13 unique J



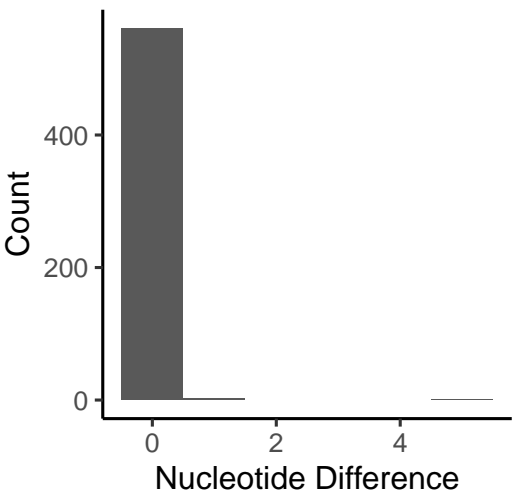
TRBV12-5*ap01

1055 sequences assigned
1053 (99.8%) exact matches, in which:
1052 unique CDR3
13 unique J



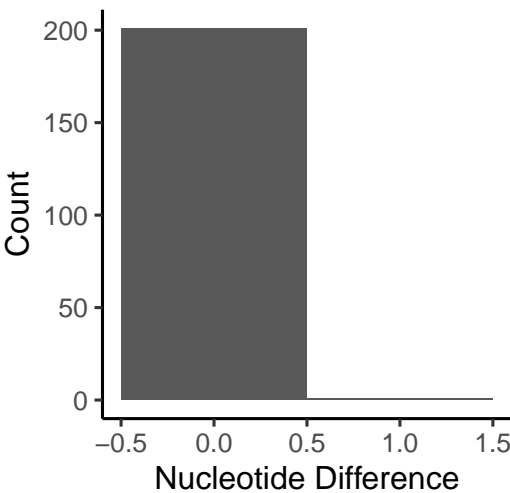
TRBV11-1*ap01

564 sequences assigned
561 (99.5%) exact matches, in which:
561 unique CDR3
13 unique J



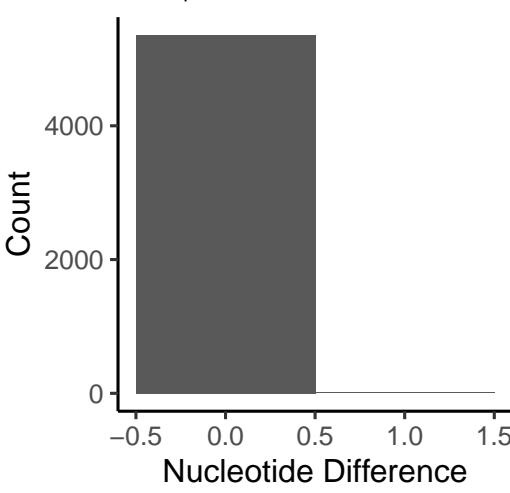
TRBV12-1*ap01

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



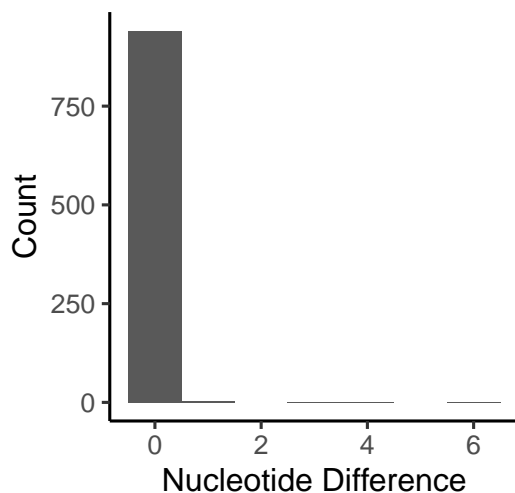
TRBV12-34*ap01

5367 sequences assigned
5357 (99.8%) exact matches, in which:
5348 unique CDR3
13 unique J



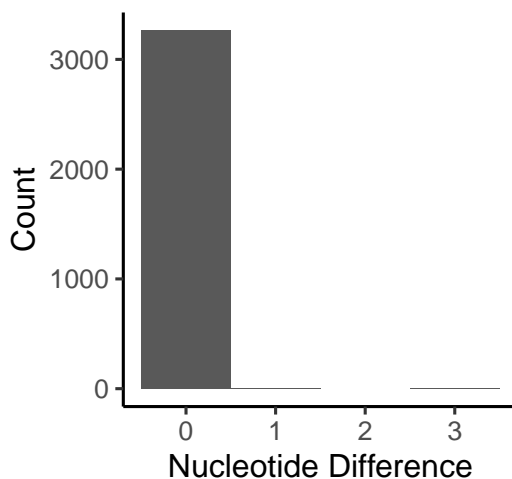
TRBV23-1*ap01

948 sequences assigned
941 (99.3%) exact matches, in which:
938 unique CDR3
13 unique J



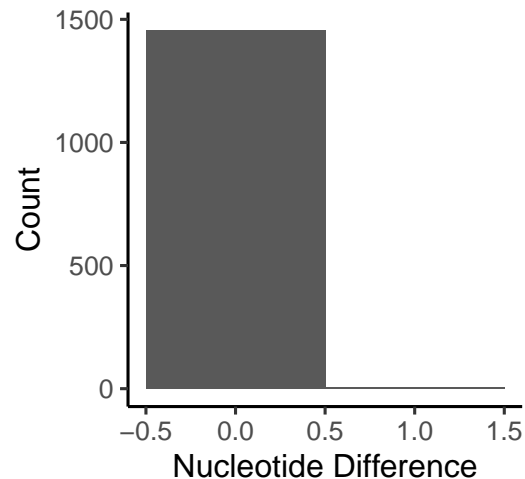
TRBV4-1*ap01

3269 sequences assigned
3264 (99.8%) exact matches, in which:
3246 unique CDR3
13 unique J



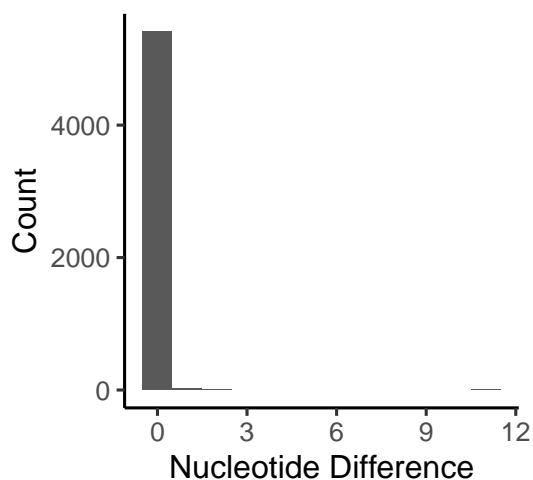
TRBV25-1*ap01

1460 sequences assigned
1455 (99.7%) exact matches, in which:
1447 unique CDR3
13 unique J



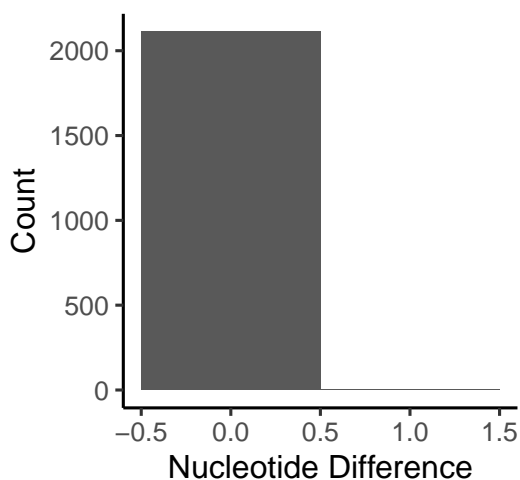
TRBV3-12*ap01

5432 sequences assigned
5411 (99.6%) exact matches, in which:
5400 unique CDR3
13 unique J



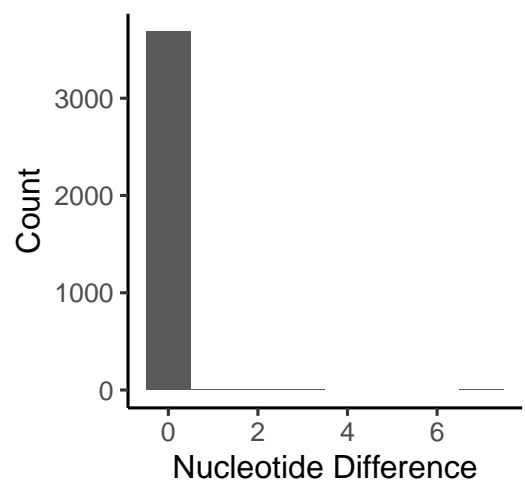
TRBV4-2*ap01

2114 sequences assigned
2112 (99.9%) exact matches, in which:
2100 unique CDR3
13 unique J



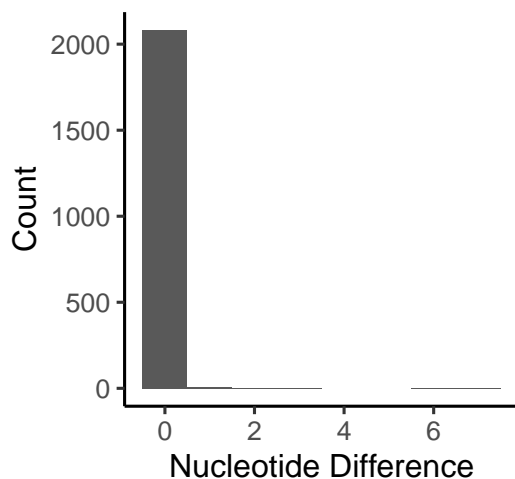
TRBV5-1*ap01

3697 sequences assigned
3684 (99.6%) exact matches, in which:
3673 unique CDR3
13 unique J



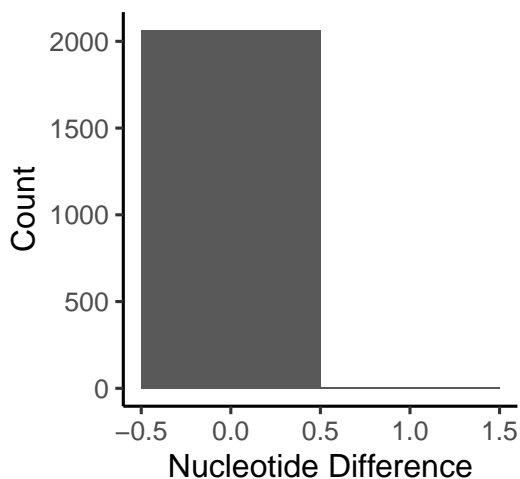
TRBV24-1*ap01

2093 sequences assigned
2082 (99.5%) exact matches, in which:
2079 unique CDR3
13 unique J



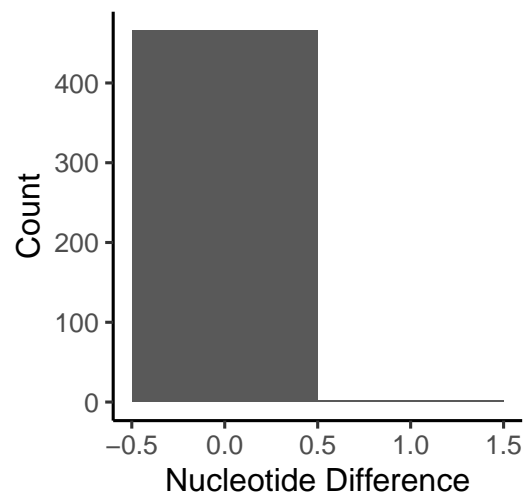
TRBV4-3*ap01

2073 sequences assigned
2065 (99.6%) exact matches, in which:
2058 unique CDR3
13 unique J



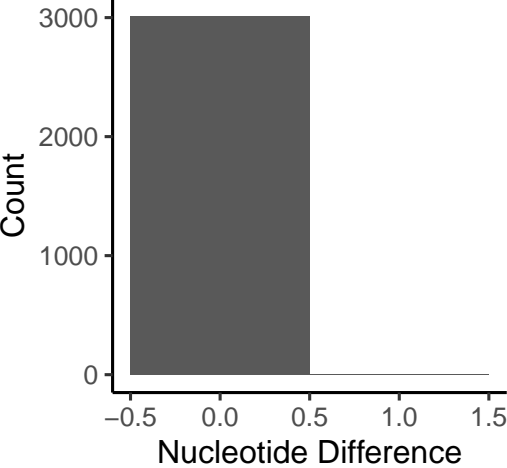
TRBV5-3*ap01

468 sequences assigned
466 (99.6%) exact matches, in which:
466 unique CDR3
13 unique J



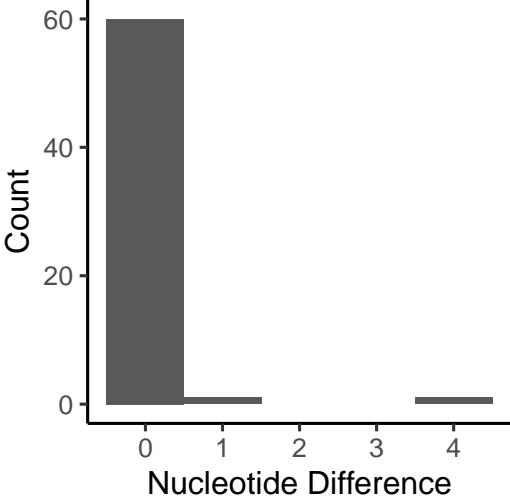
TRBV5-4*ap01

3014 sequences assigned
3010 (99.9%) exact matches, in which:
3007 unique CDR3
13 unique J



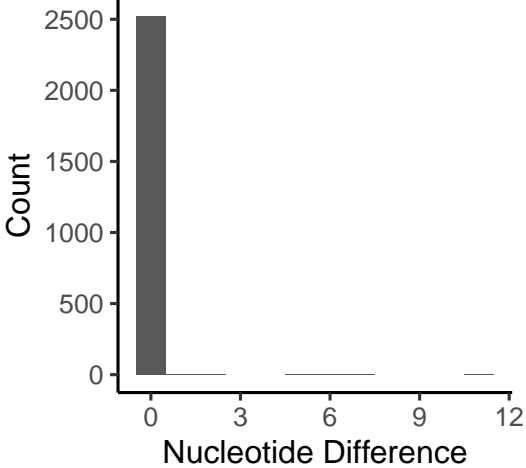
TRBV5-7*ap01

62 sequences assigned
60 (96.8%) exact matches, in which:
59 unique CDR3
12 unique J



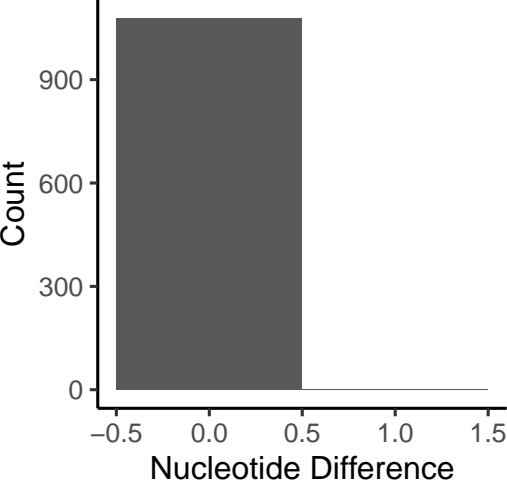
TRBV6-4*ap01

2532 sequences assigned
2520 (99.5%) exact matches, in which:
2514 unique CDR3
13 unique J



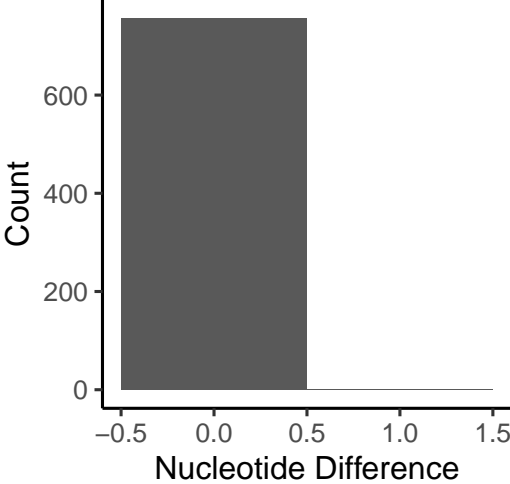
TRBV5-5*ap01

1080 sequences assigned
1079 (99.9%) exact matches, in which:
1078 unique CDR3
13 unique J



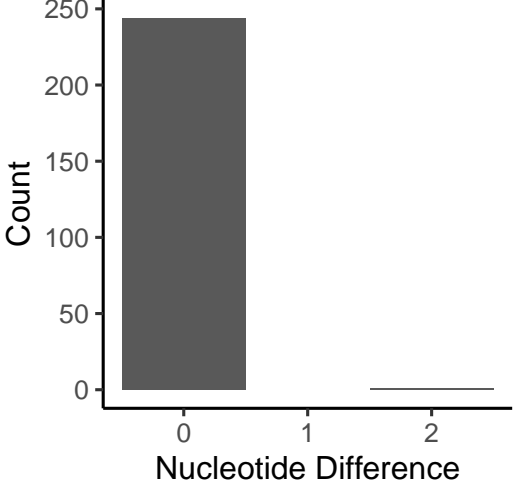
TRBV5-8*ap01

759 sequences assigned
757 (99.7%) exact matches, in which:
757 unique CDR3
13 unique J



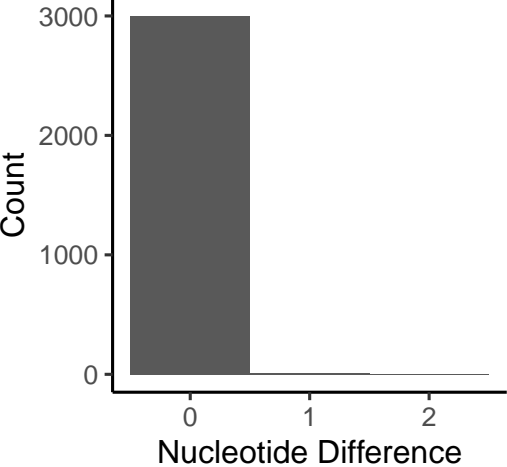
TRBV6-7*ap01

245 sequences assigned
244 (99.6%) exact matches, in which:
242 unique CDR3
13 unique J



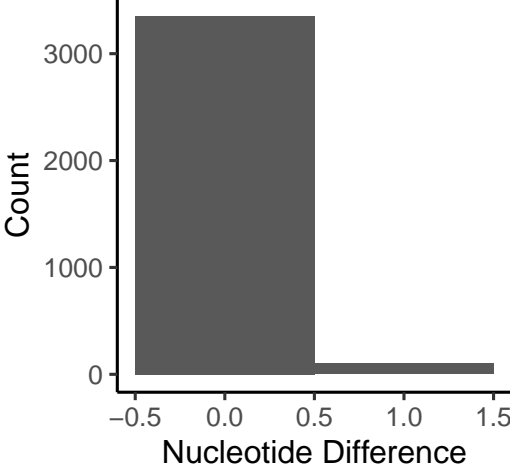
TRBV5-6*ap01

3010 sequences assigned
2999 (99.6%) exact matches, in which:
2985 unique CDR3
13 unique J



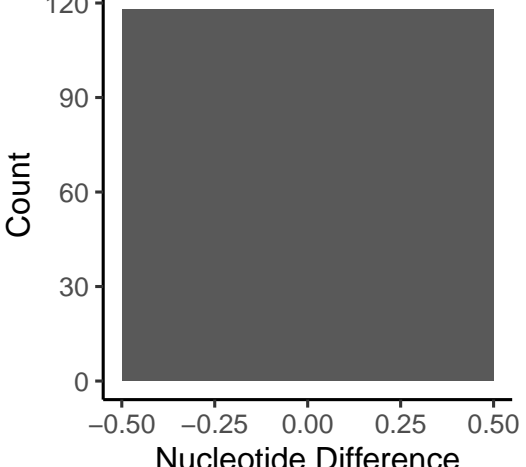
TRBV6-1*ap01

3454 sequences assigned
3352 (97%) exact matches, in which:
3335 unique CDR3
13 unique J



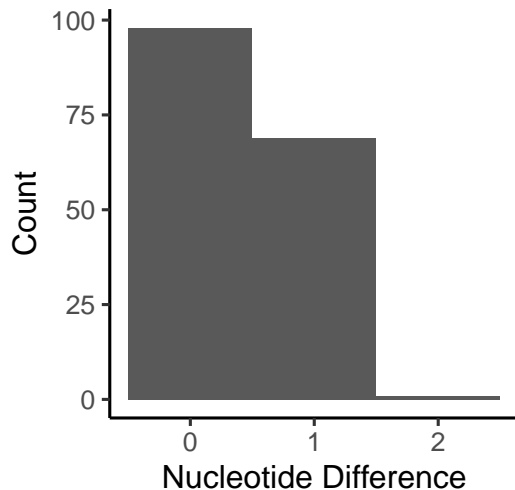
TRBV6-8*ap01

118 sequences assigned
118 (100%) exact matches, in which:
118 unique CDR3
13 unique J



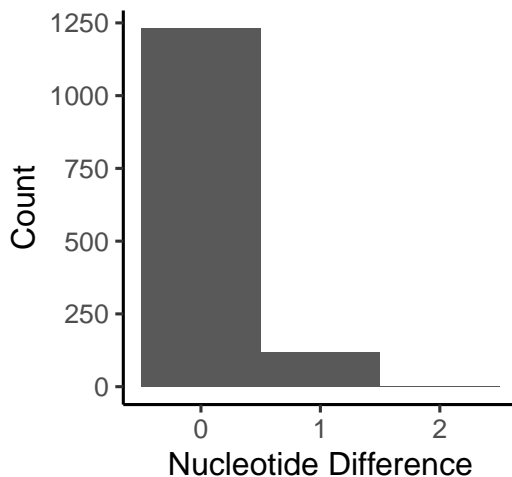
TRBV6-9*ap01

168 sequences assigned
98 (58.3%) exact matches, in which:
97 unique CDR3
13 unique J



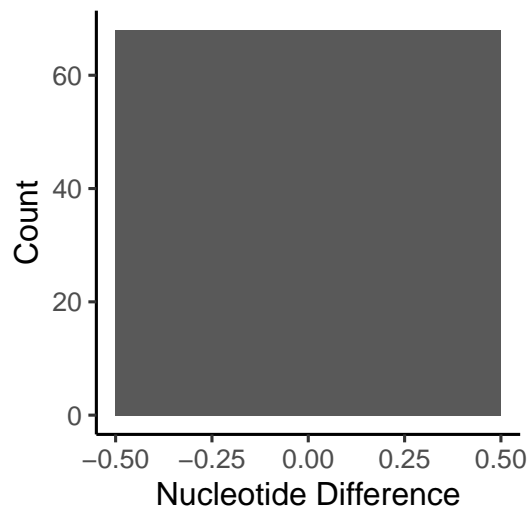
TRBV6-56*ap02

1349 sequences assigned
1231 (91.3%) exact matches, in which:
1226 unique CDR3
13 unique J



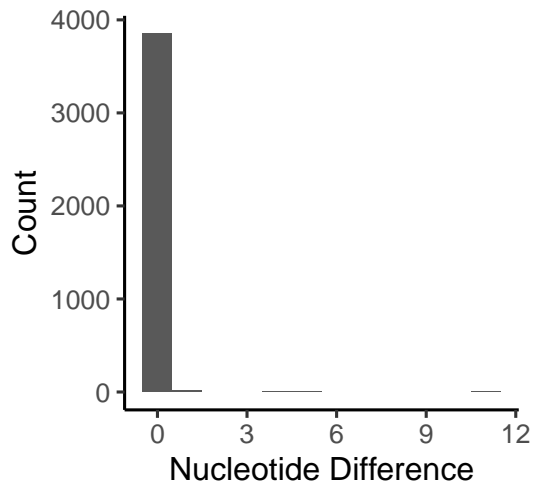
TRBV7-1*ap01_G291C_T

68 sequences assigned
68 (100%) exact matches, in which:
68 unique CDR3
12 unique J



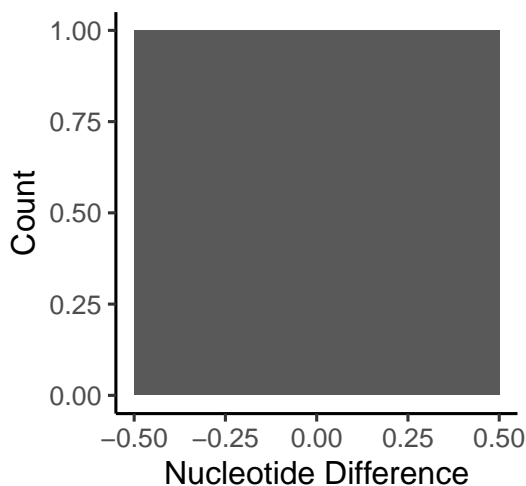
TRBV6-23*ap01

3867 sequences assigned
3851 (99.6%) exact matches, in which:
3843 unique CDR3
13 unique J



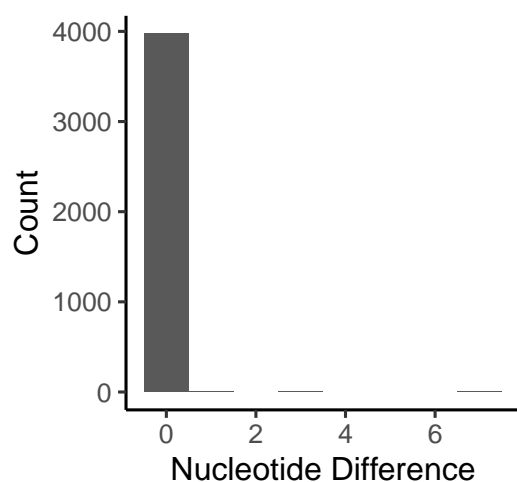
TRBV7-1*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



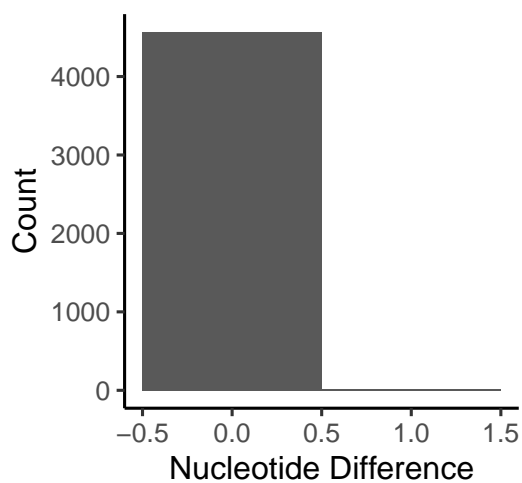
TRBV7-2*ap01

3980 sequences assigned
3974 (99.8%) exact matches, in which:
3971 unique CDR3
13 unique J



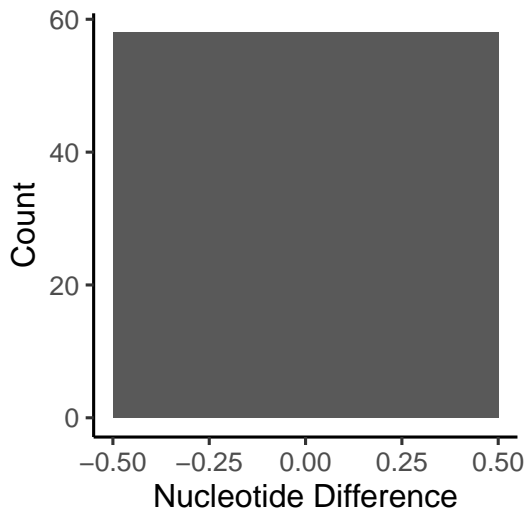
TRBV6-56*ap01

4581 sequences assigned
4567 (99.7%) exact matches, in which:
4552 unique CDR3
13 unique J



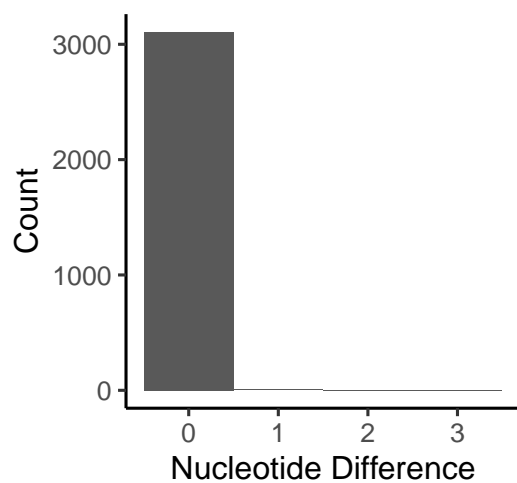
TRBV7-1*ap01_G291C_T

58 sequences assigned
58 (100%) exact matches, in which:
58 unique CDR3
10 unique J



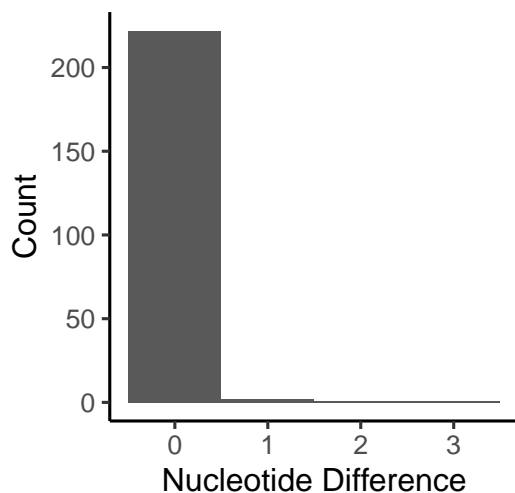
TRBV7-3*ap01

3116 sequences assigned
3106 (99.7%) exact matches, in which:
3096 unique CDR3
13 unique J



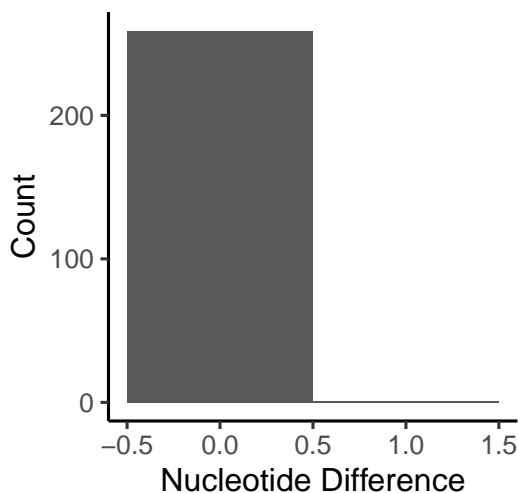
TRBV7-4*ap01

226 sequences assigned
222 (98.2%) exact matches, in which:
221 unique CDR3
13 unique J



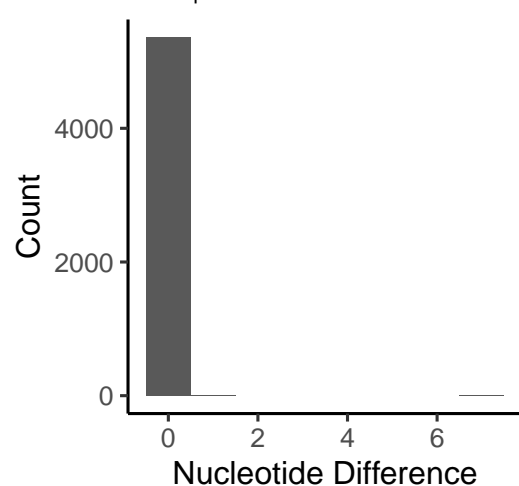
TRBV7-7*ap01_C315T

260 sequences assigned
259 (99.6%) exact matches, in which:
259 unique CDR3
12 unique J



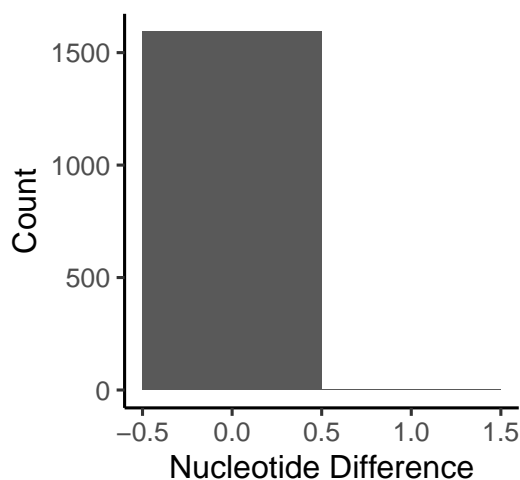
TRBV7-9*ap01

5370 sequences assigned
5360 (99.8%) exact matches, in which:
5351 unique CDR3
13 unique J



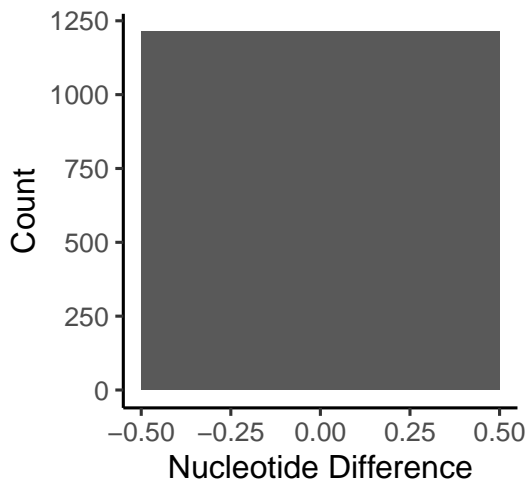
TRBV7-6*ap01

1597 sequences assigned
1593 (99.7%) exact matches, in which:
1592 unique CDR3
13 unique J



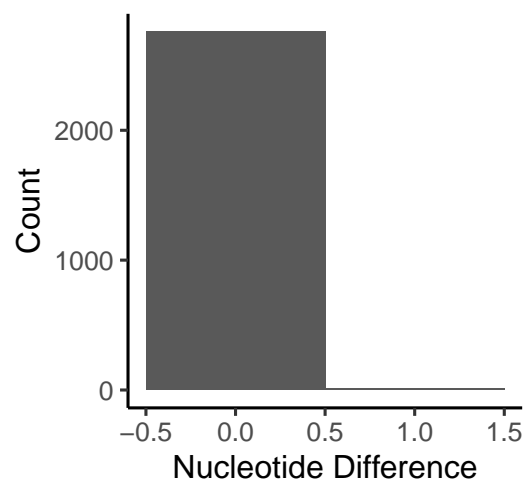
TRBV7-8*ap01

1213 sequences assigned
1213 (100%) exact matches, in which:
1213 unique CDR3
13 unique J



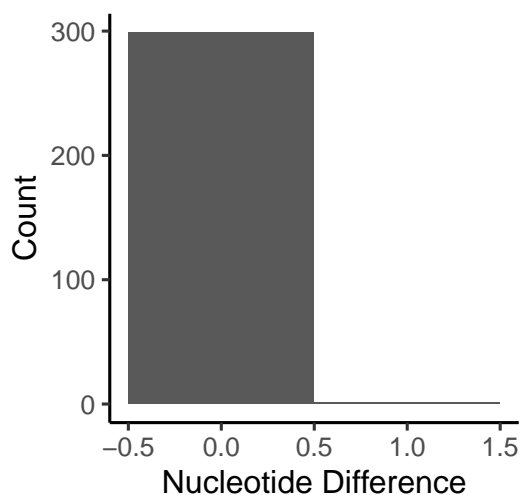
TRBV29-1*ap01

2769 sequences assigned
2759 (99.6%) exact matches, in which:
2756 unique CDR3
13 unique J



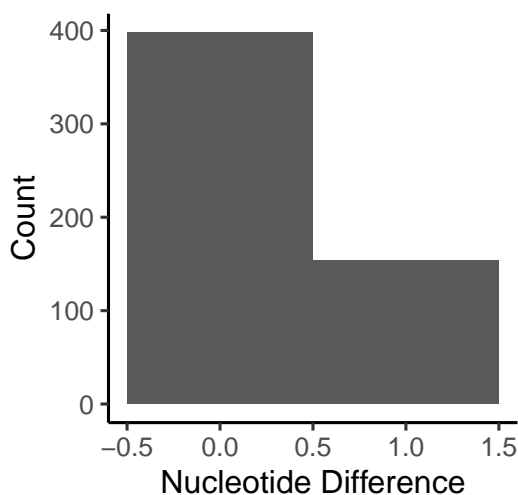
TRBV7-7*ap01

300 sequences assigned
299 (99.7%) exact matches, in which:
299 unique CDR3
13 unique J



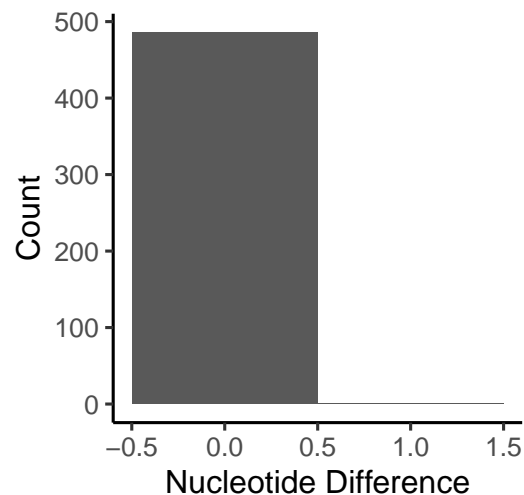
TRBV7-8*ap03

552 sequences assigned
398 (72.1%) exact matches, in which:
397 unique CDR3
13 unique J

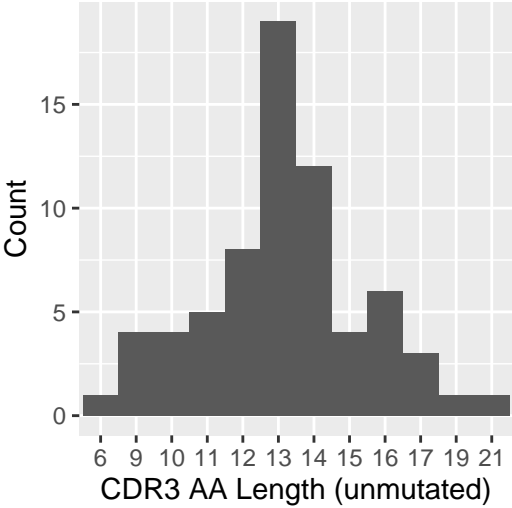


TRBV29-1*ap02

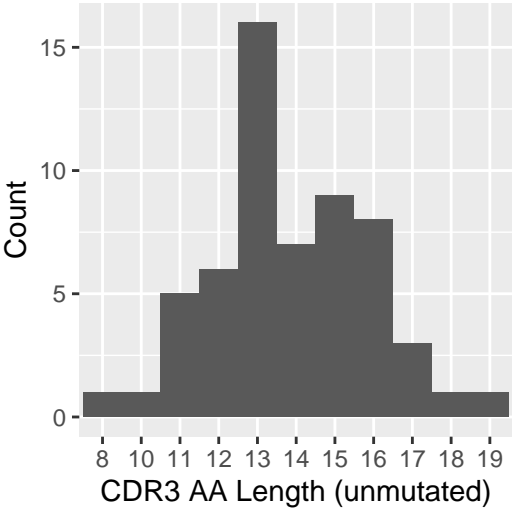
487 sequences assigned
486 (99.8%) exact matches, in which:
485 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

