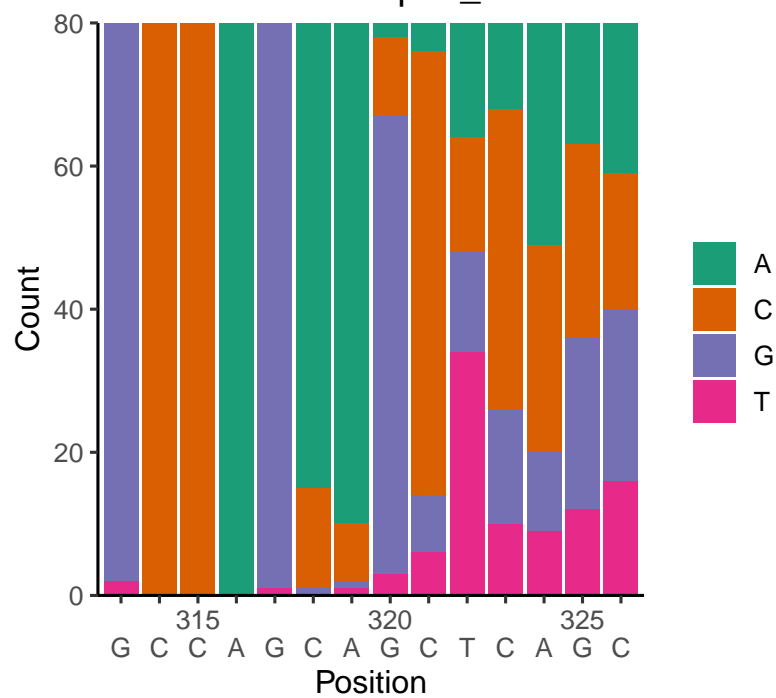
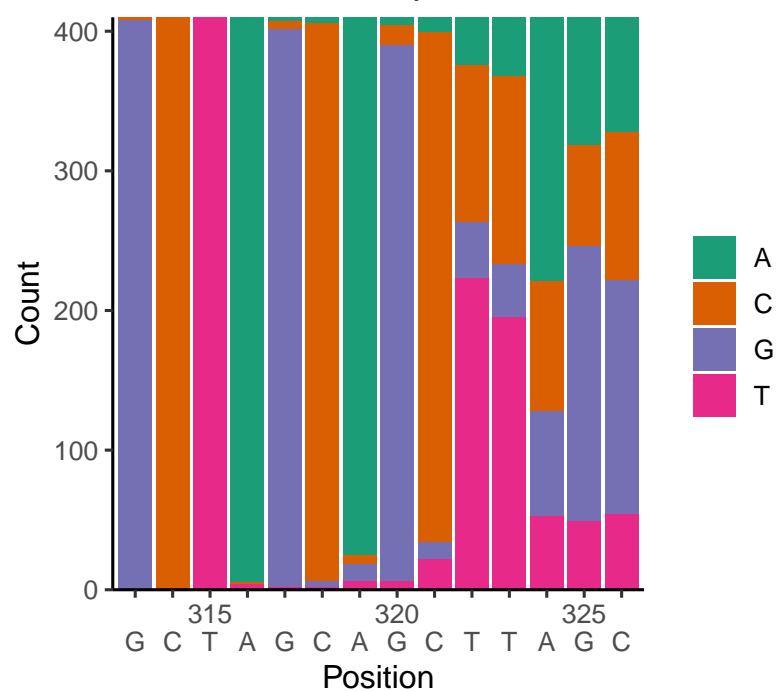


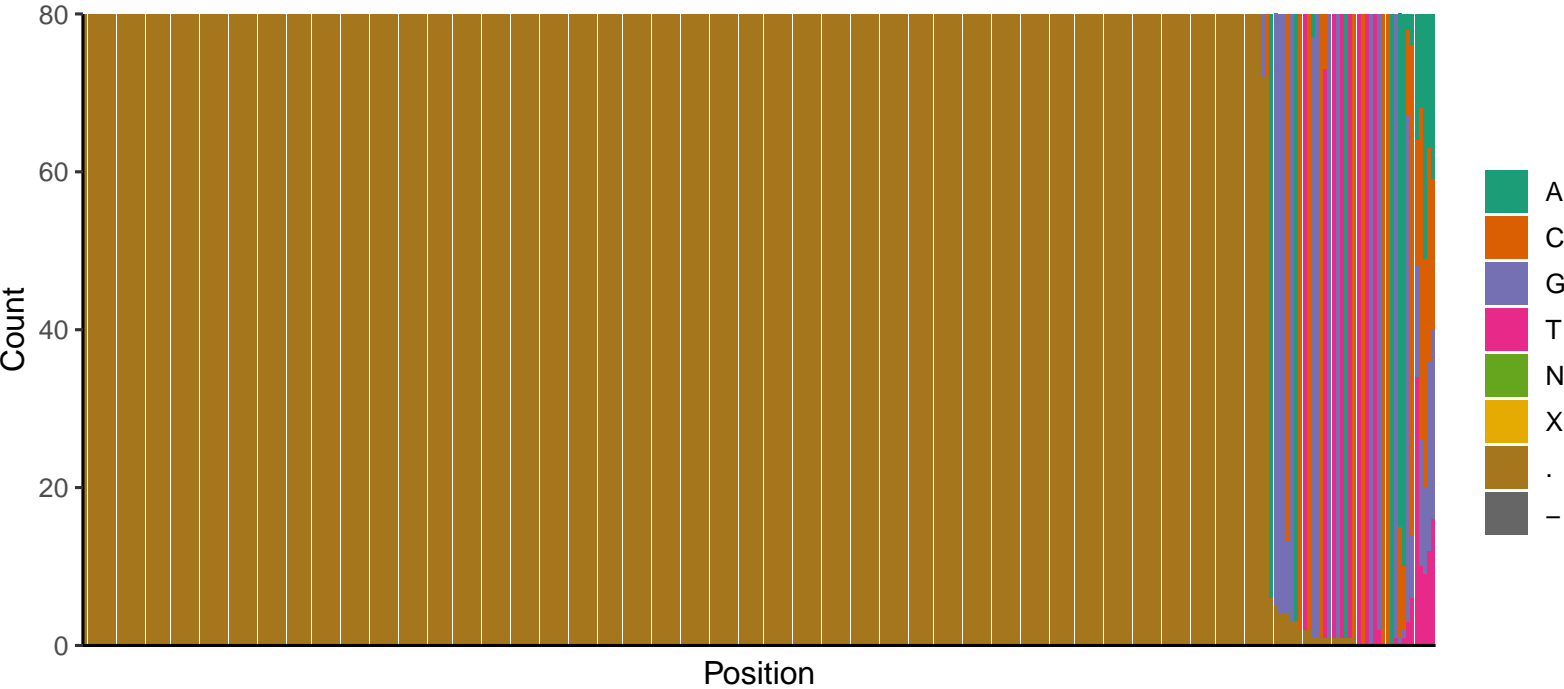
Gene TRBV7-1*ap01_T296C



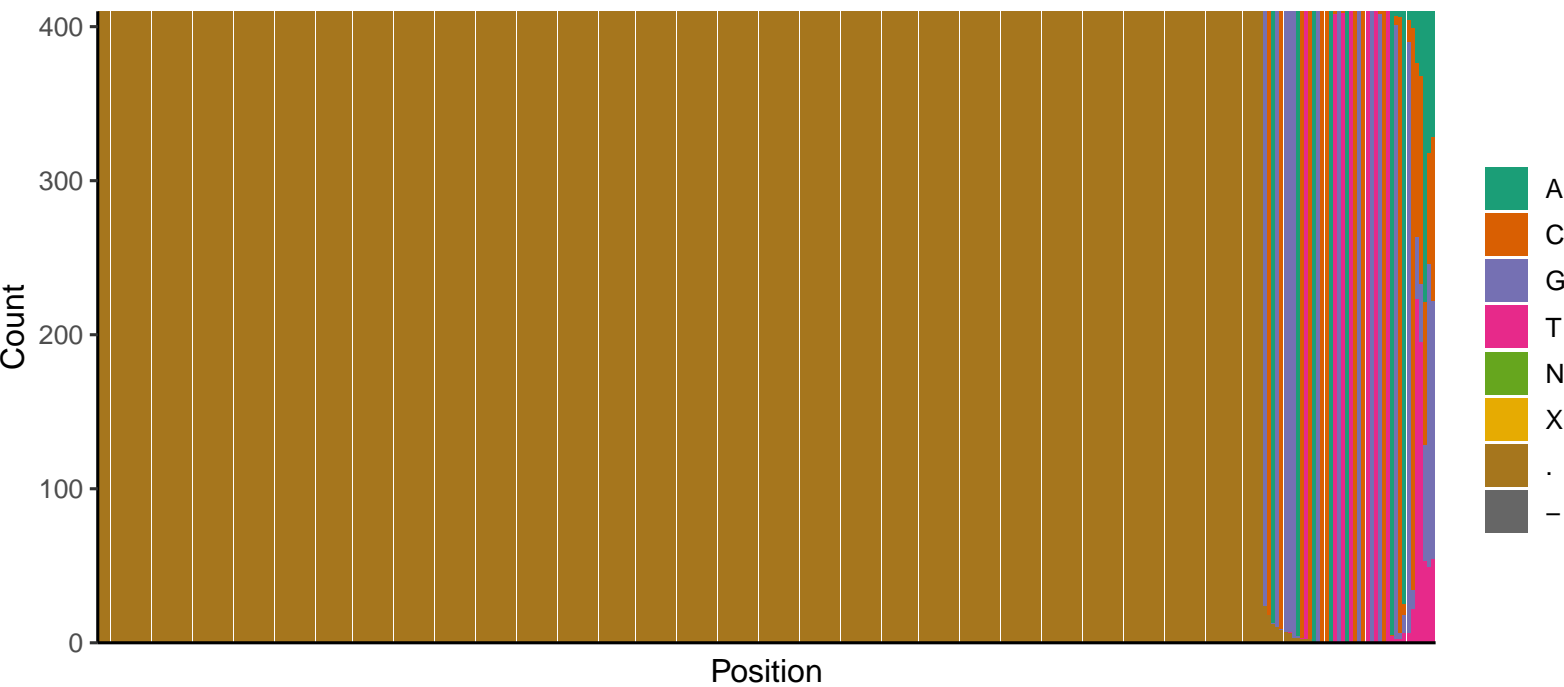
Gene TRBV7-7*ap01_C315T



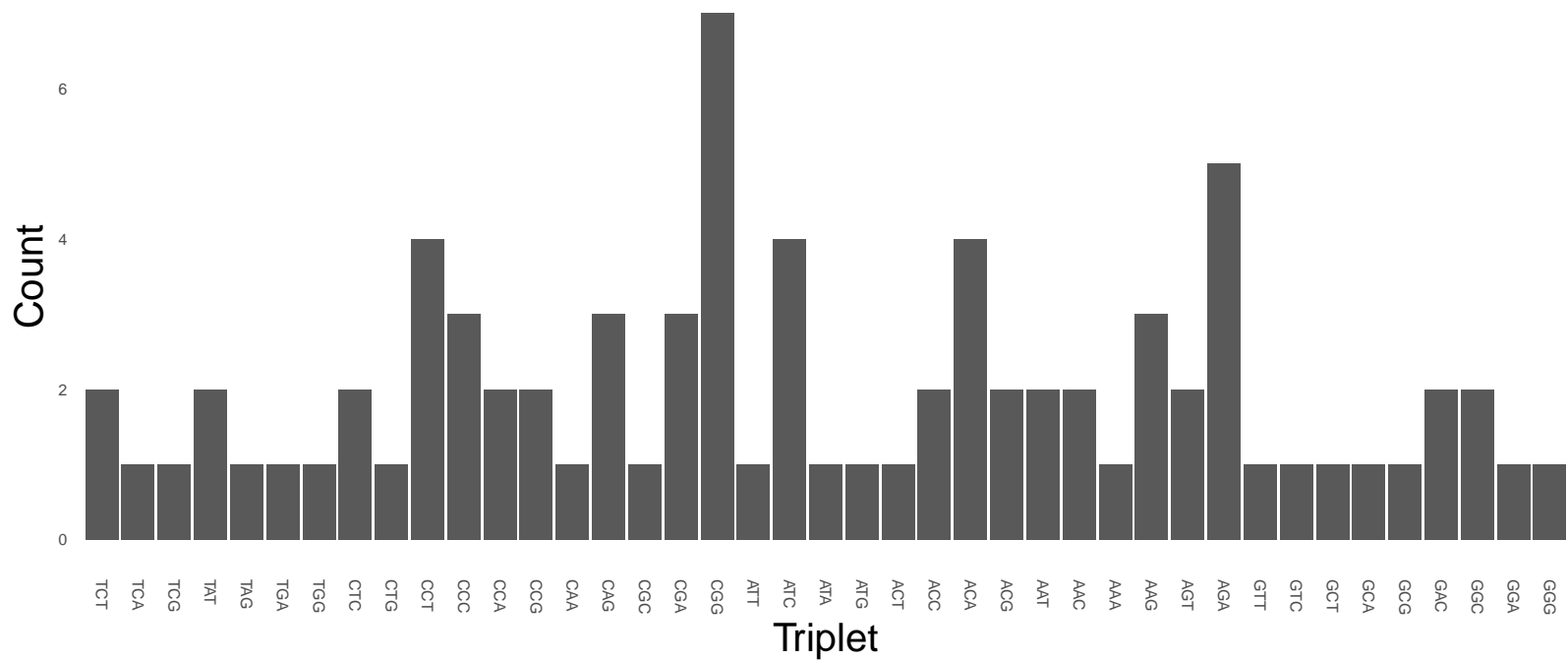
Gene TRBV7-1*ap01_T296C



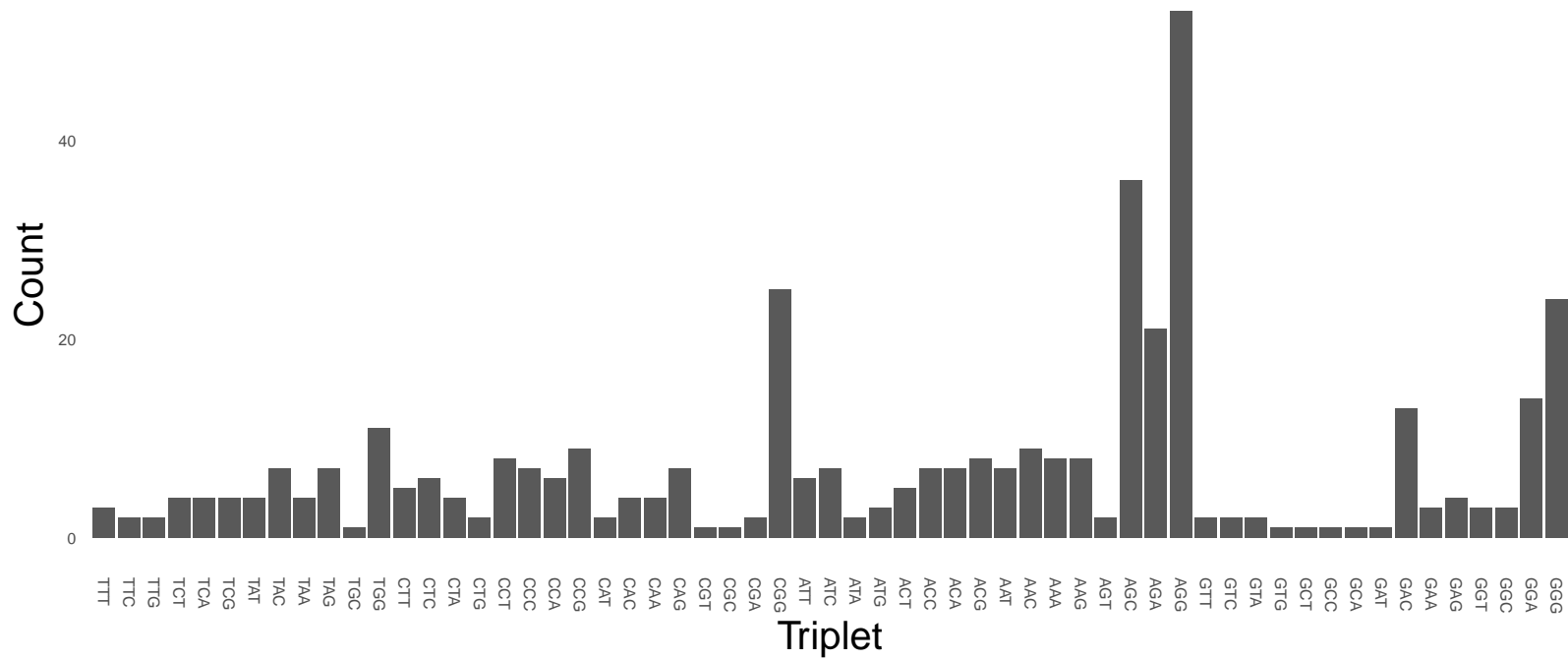
Gene TRBV7-7*ap01_C315T



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

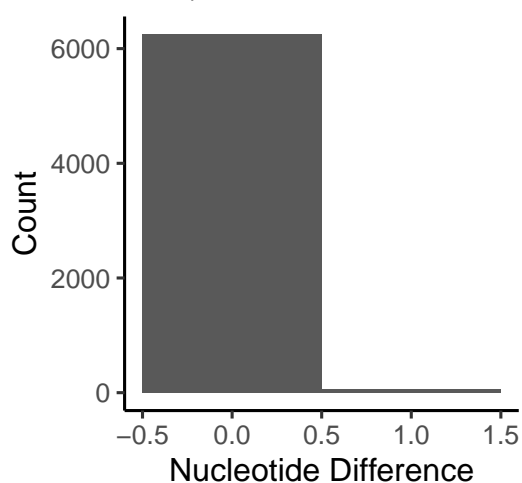


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



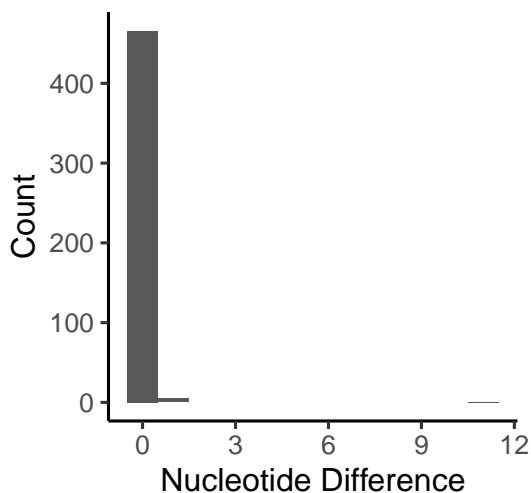
TRBV20-1*ap01

6317 sequences assigned
6248 (98.9%) exact matches, in which:
6129 unique CDR3
13 unique J



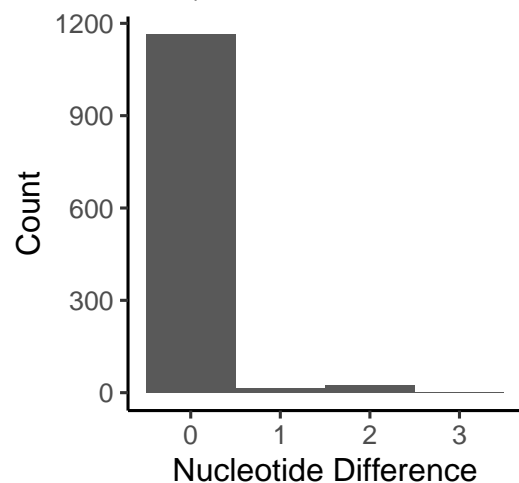
TRBV10-2*ap01

472 sequences assigned
466 (98.7%) exact matches, in which:
452 unique CDR3
13 unique J



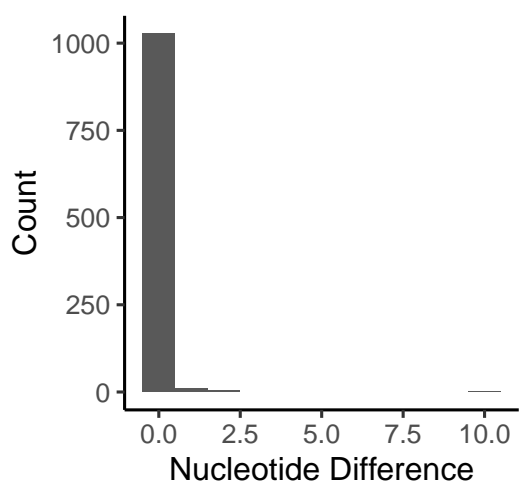
TRBV13*ap01

1206 sequences assigned
1164 (96.5%) exact matches, in which:
1134 unique CDR3
13 unique J



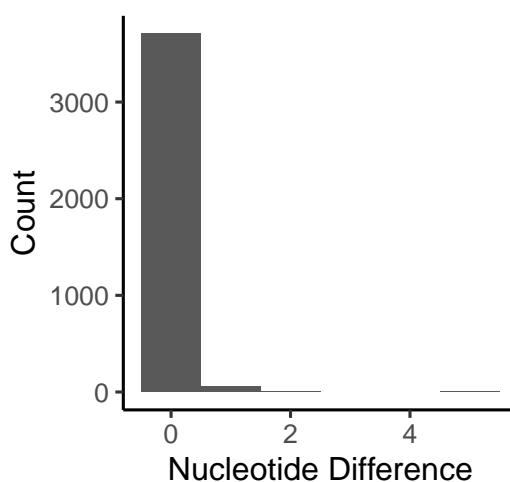
TRBV10-1*ap01

1040 sequences assigned
1027 (98.8%) exact matches, in which:
1004 unique CDR3
13 unique J



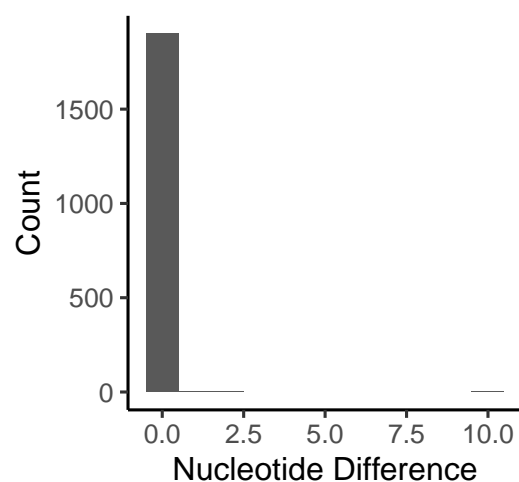
TRBV10-3*ap01

3761 sequences assigned
3707 (98.6%) exact matches, in which:
3634 unique CDR3
13 unique J



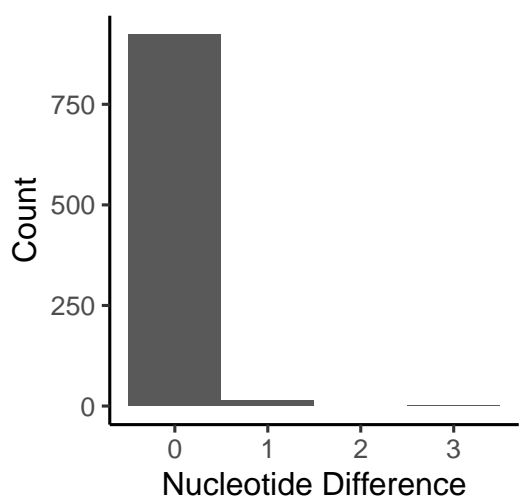
TRBV14*ap01

1908 sequences assigned
1900 (99.6%) exact matches, in which:
1859 unique CDR3
13 unique J



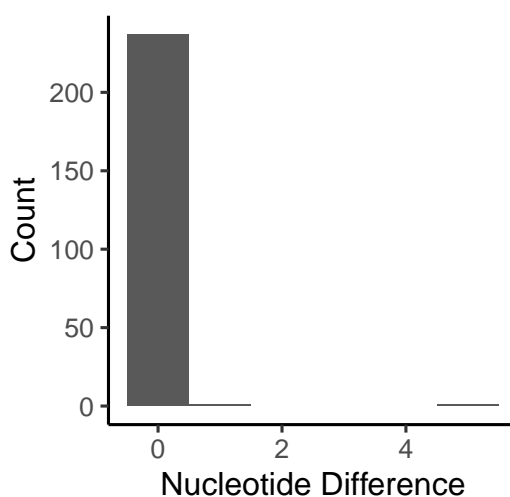
TRBV20-1*ap02

939 sequences assigned
924 (98.4%) exact matches, in which:
905 unique CDR3
13 unique J



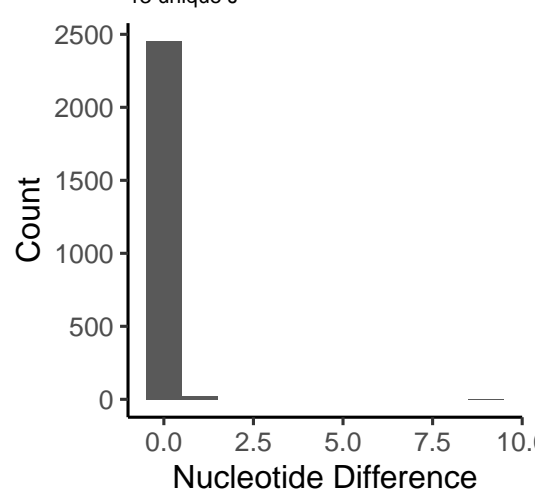
TRBV1*ap01

239 sequences assigned
237 (99.2%) exact matches, in which:
231 unique CDR3
13 unique J



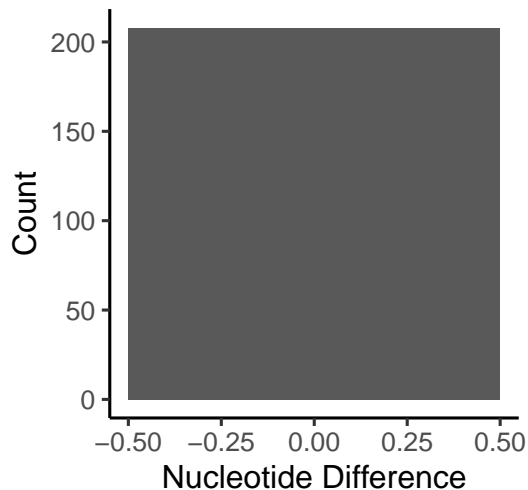
TRBV15*ap02

2476 sequences assigned
2454 (99.1%) exact matches, in which:
2400 unique CDR3
13 unique J



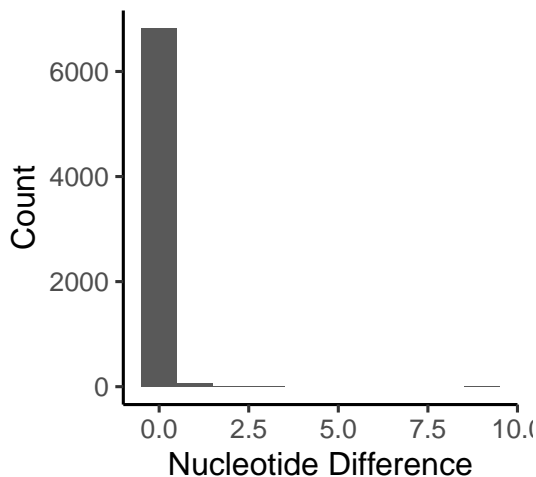
TRBV16*ap01

208 sequences assigned
208 (100%) exact matches, in which:
205 unique CDR3
13 unique J



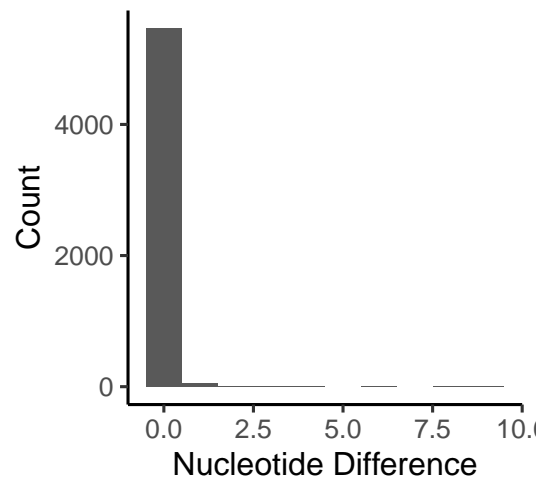
TRBV2*ap01

6918 sequences assigned
6820 (98.6%) exact matches, in which:
6675 unique CDR3
13 unique J



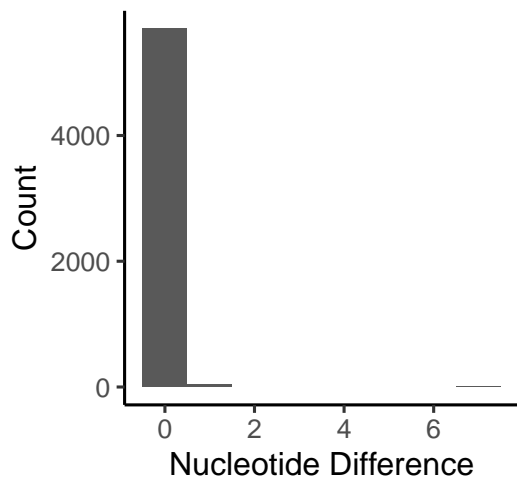
TRBV30*ap01

5533 sequences assigned
5465 (98.8%) exact matches, in which:
5387 unique CDR3
13 unique J



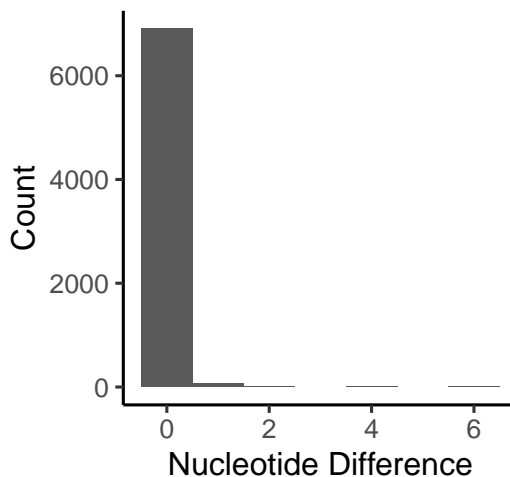
TRBV18*ap01

5743 sequences assigned
5698 (99.2%) exact matches, in which:
5622 unique CDR3
13 unique J



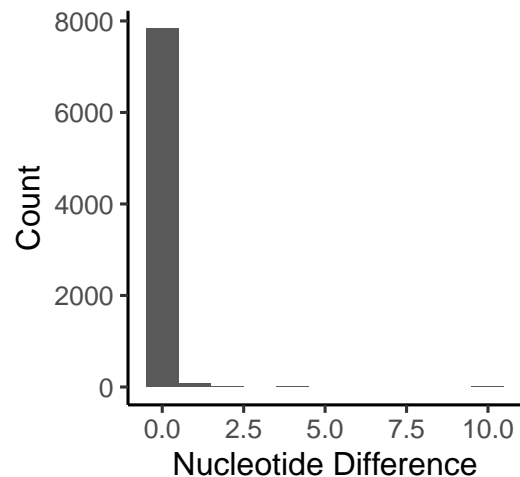
TRBV27*ap01

6984 sequences assigned
6906 (98.9%) exact matches, in which:
6743 unique CDR3
13 unique J



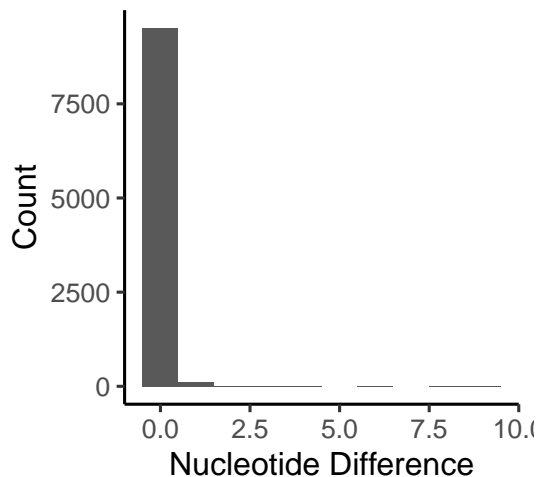
TRBV9*ap01

7913 sequences assigned
7830 (99%) exact matches, in which:
7698 unique CDR3
13 unique J



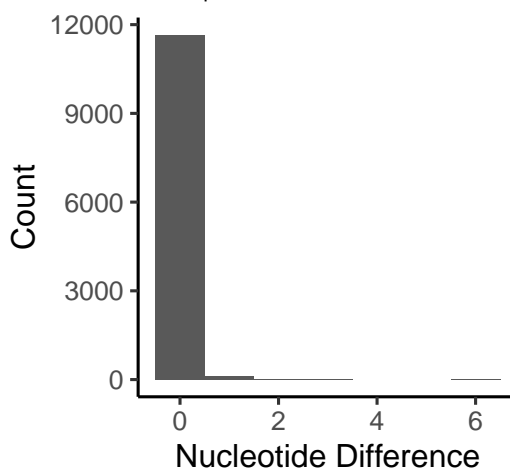
TRBV19*ap01

9636 sequences assigned
9512 (98.7%) exact matches, in which:
9376 unique CDR3
13 unique J



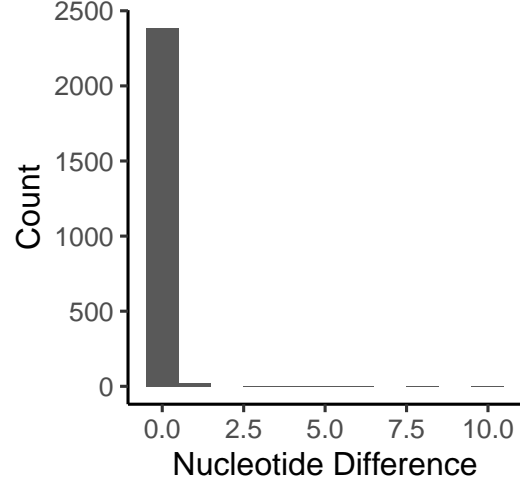
TRBV28*ap01

11778 sequences assigned
11657 (99%) exact matches, in which:
11418 unique CDR3
13 unique J



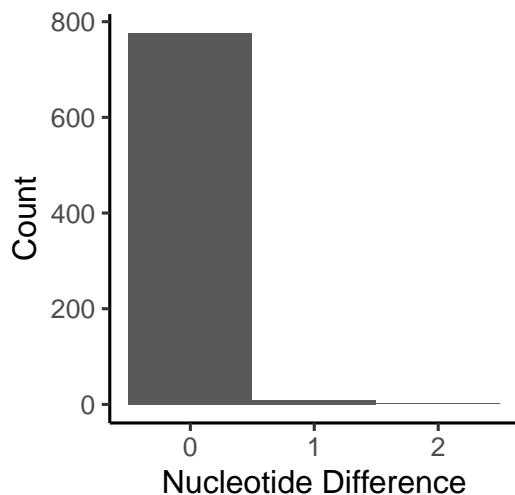
TRBV21-1*ap01

2421 sequences assigned
2385 (98.5%) exact matches, in which:
2358 unique CDR3
13 unique J



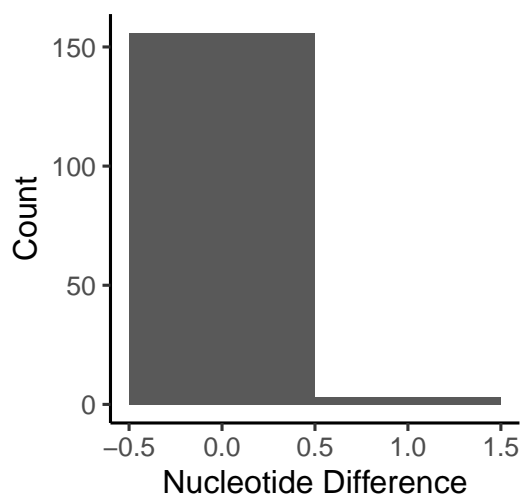
TRBV11-1*ap01

789 sequences assigned
777 (98.5%) exact matches, in which:
763 unique CDR3
13 unique J



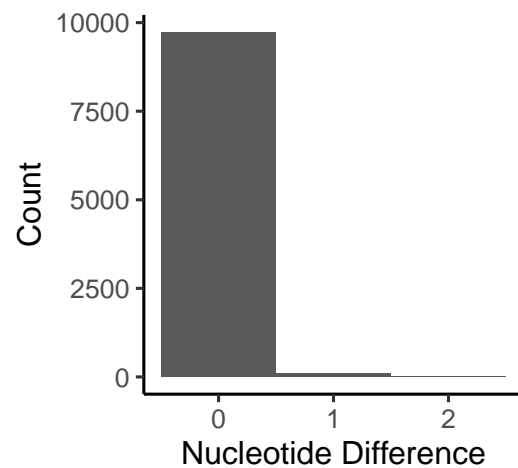
TRBV12-1*ap01

159 sequences assigned
156 (98.1%) exact matches, in which:
155 unique CDR3
13 unique J



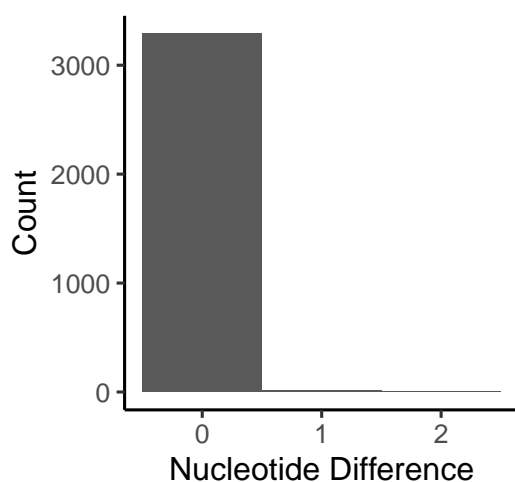
TRBV12-34*ap01

9852 sequences assigned
9731 (98.8%) exact matches, in which:
9541 unique CDR3
13 unique J



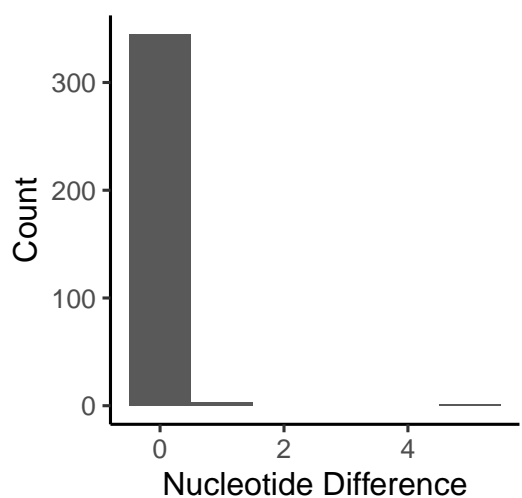
TRBV11-2*ap01

3307 sequences assigned
3289 (99.5%) exact matches, in which:
3234 unique CDR3
13 unique J



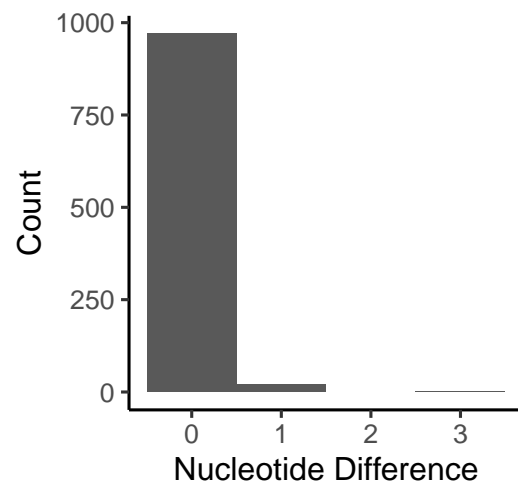
TRBV12-2*ap01

349 sequences assigned
345 (98.9%) exact matches, in which:
335 unique CDR3
13 unique J



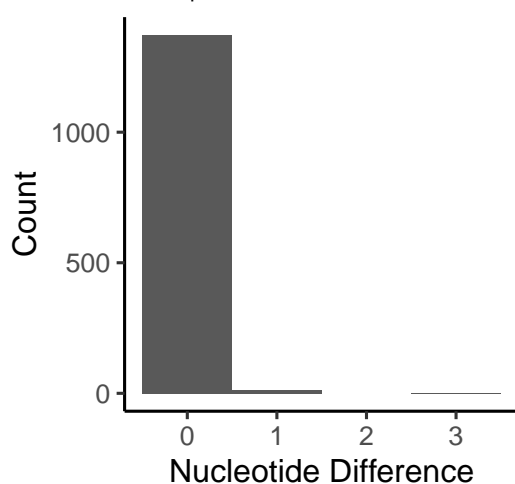
TRBV23-1*ap01

990 sequences assigned
970 (98%) exact matches, in which:
944 unique CDR3
13 unique J



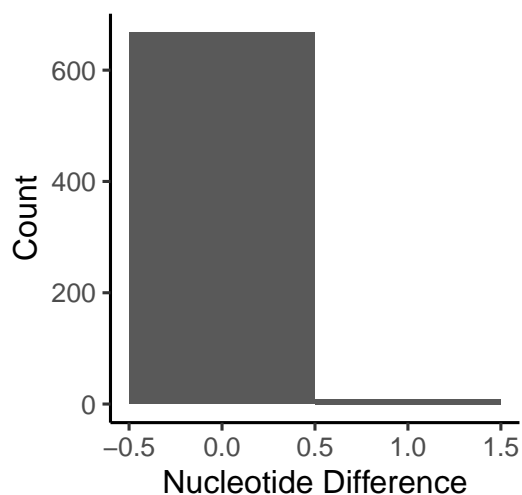
TRBV11-3*ap01

1385 sequences assigned
1372 (99.1%) exact matches, in which:
1354 unique CDR3
13 unique J



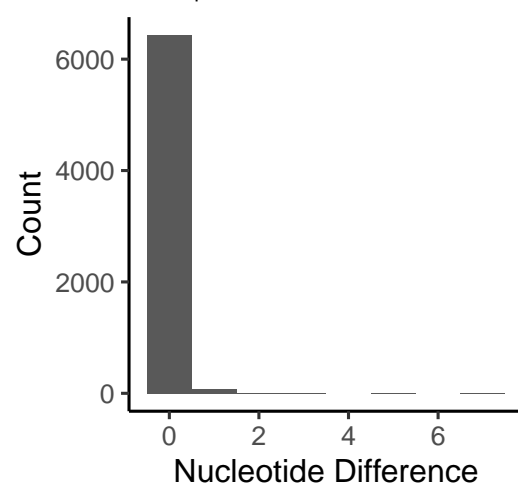
TRBV12-5*ap01

677 sequences assigned
668 (98.7%) exact matches, in which:
655 unique CDR3
13 unique J



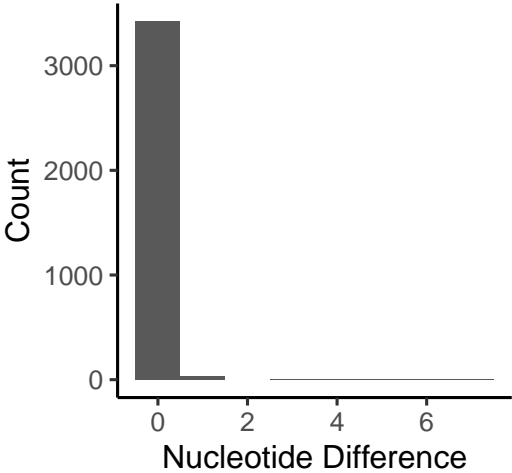
TRBV3-12*ap01

6515 sequences assigned
6433 (98.7%) exact matches, in which:
6342 unique CDR3
13 unique J



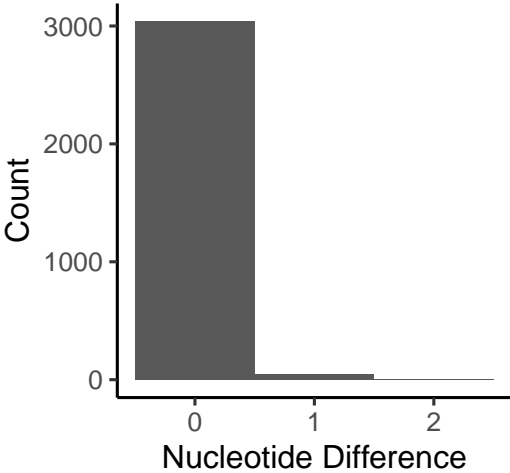
TRBV4-1*ap01

3467 sequences assigned
3423 (98.7%) exact matches, in which:
3333 unique CDR3
13 unique J



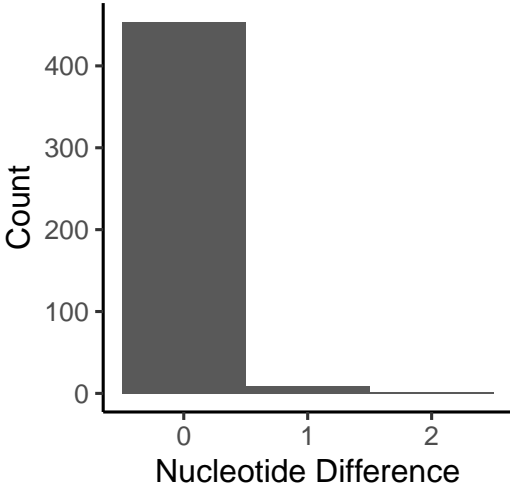
TRBV4-3*ap01

3084 sequences assigned
3039 (98.5%) exact matches, in which:
2982 unique CDR3
13 unique J



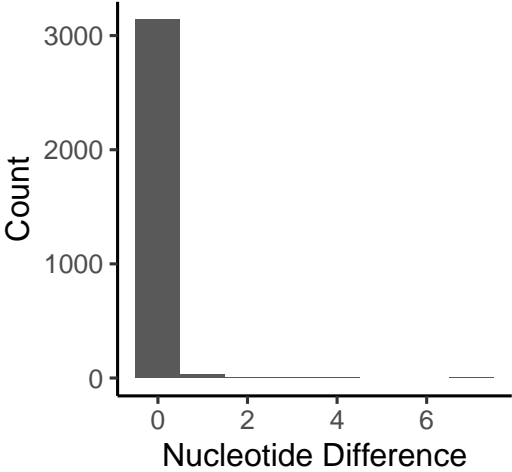
TRBV5-3*ap01

465 sequences assigned
454 (97.6%) exact matches, in which:
446 unique CDR3
13 unique J



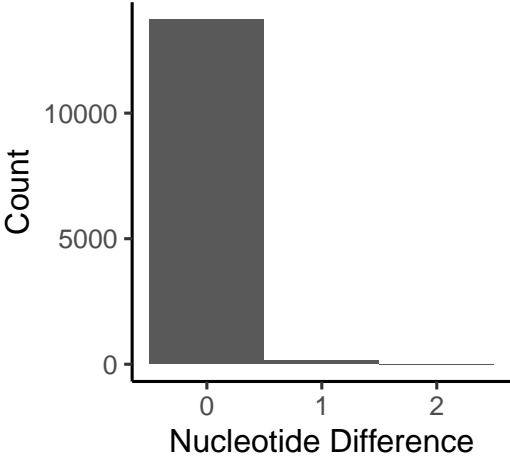
TRBV24-1*ap01

3175 sequences assigned
3139 (98.9%) exact matches, in which:
3069 unique CDR3
13 unique J



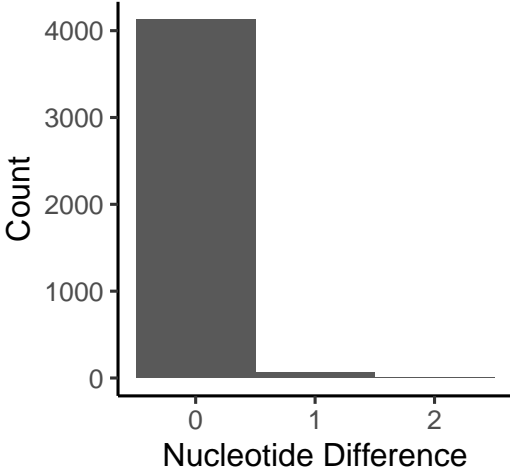
TRBV5-1*ap01

13884 sequences assigned
13730 (98.9%) exact matches, in which:
13391 unique CDR3
13 unique J



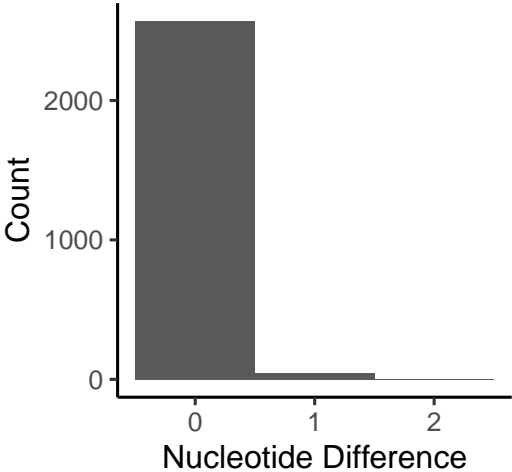
TRBV5-4*ap01

4187 sequences assigned
4126 (98.5%) exact matches, in which:
4030 unique CDR3
13 unique J



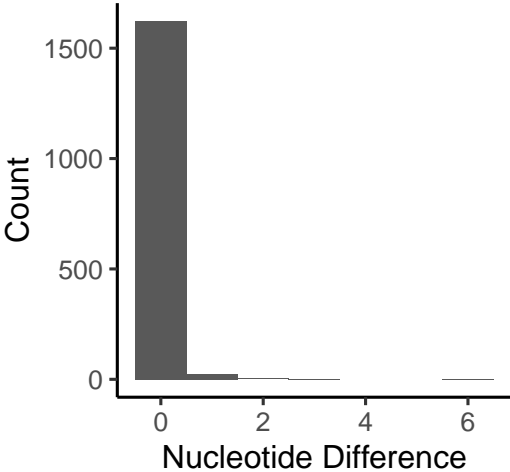
TRBV4-2*ap01

2616 sequences assigned
2570 (98.2%) exact matches, in which:
2527 unique CDR3
13 unique J



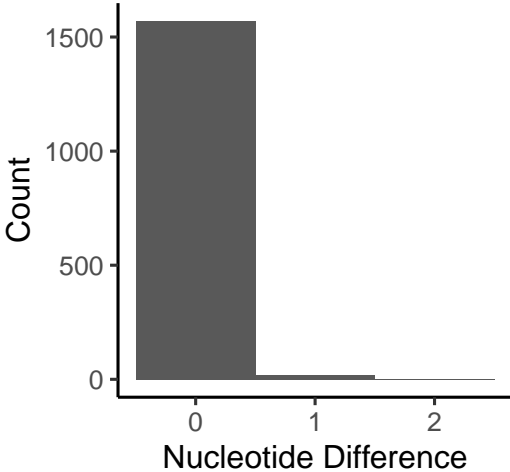
TRBV25-1*ap01

1652 sequences assigned
1623 (98.2%) exact matches, in which:
1594 unique CDR3
13 unique J



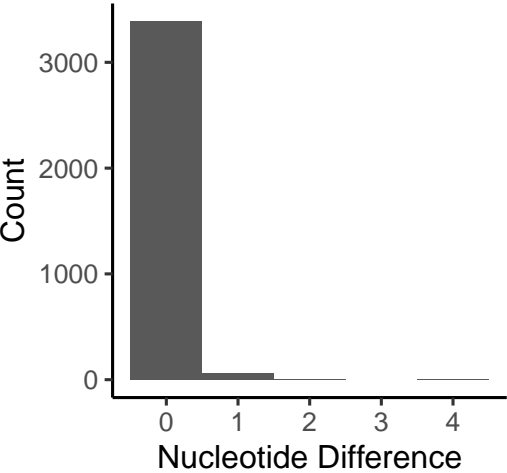
TRBV5-5*ap01

1590 sequences assigned
1570 (98.7%) exact matches, in which:
1555 unique CDR3
13 unique J



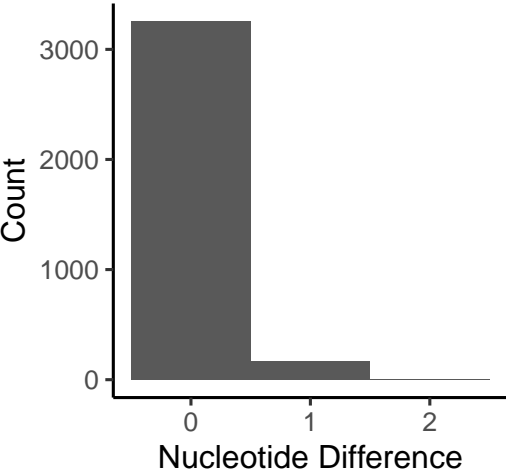
TRBV5-6*ap01

3453 sequences assigned
3387 (98.1%) exact matches, in which:
3267 unique CDR3
13 unique J



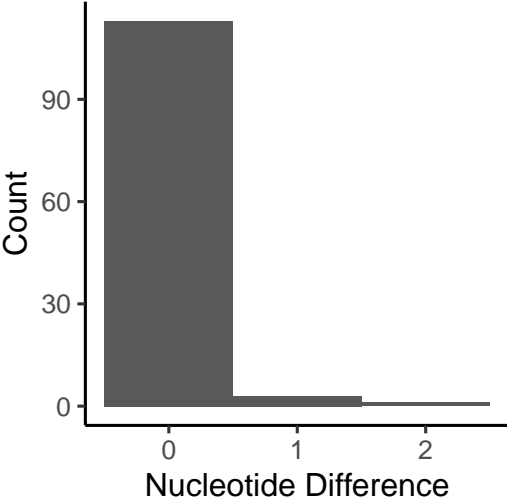
TRBV6-1*ap01

3429 sequences assigned
3254 (94.9%) exact matches, in which:
3172 unique CDR3
13 unique J



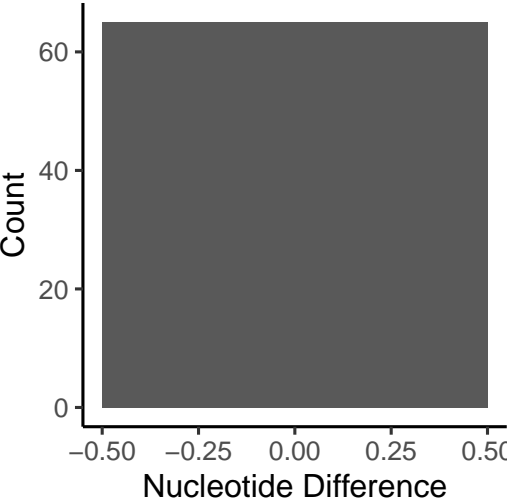
TRBV6-8*ap01

117 sequences assigned
113 (96.6%) exact matches, in which:
109 unique CDR3
13 unique J



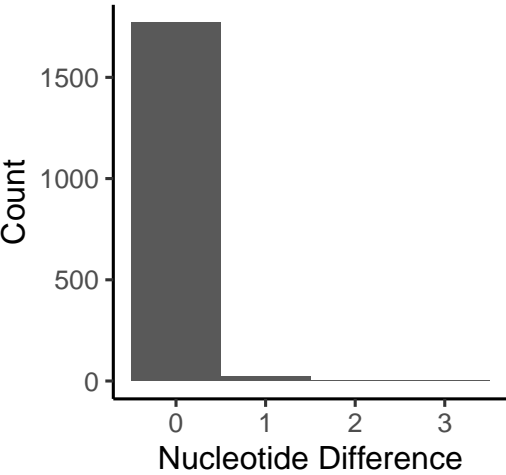
TRBV5-7*ap01

65 sequences assigned
65 (100%) exact matches, in which:
64 unique CDR3
11 unique J



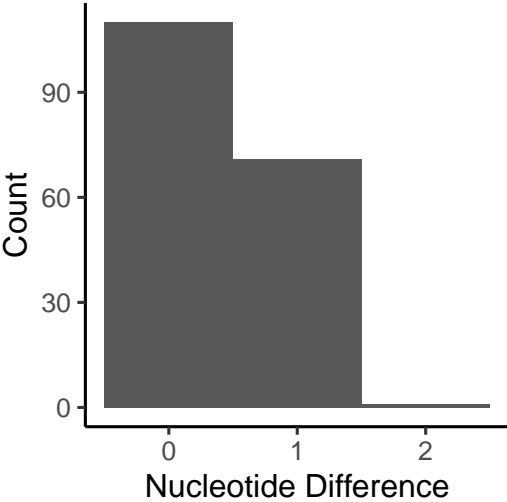
TRBV6-4*ap01

1800 sequences assigned
1770 (98.3%) exact matches, in which:
1732 unique CDR3
13 unique J



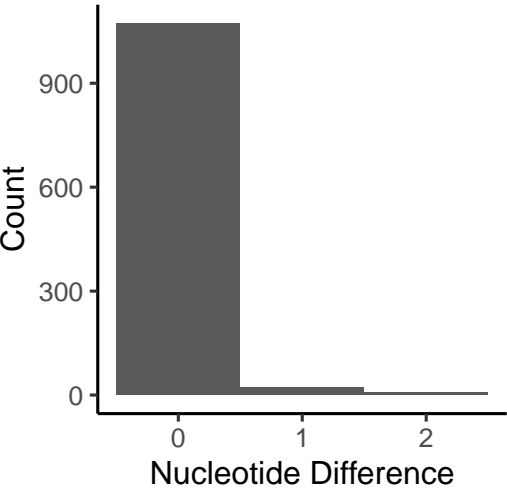
TRBV6-9*ap01

182 sequences assigned
110 (60.4%) exact matches, in which:
107 unique CDR3
13 unique J



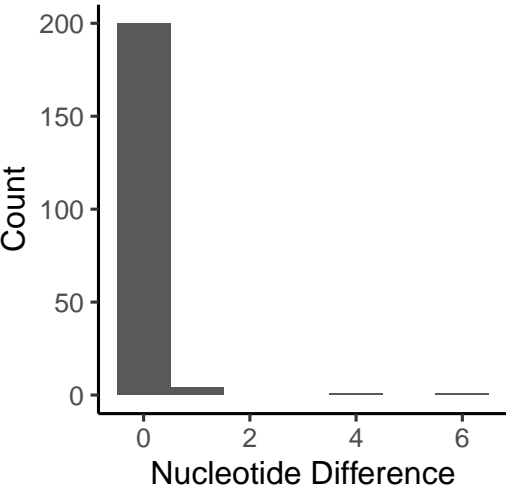
TRBV5-8*ap01

1104 sequences assigned
1073 (97.2%) exact matches, in which:
1046 unique CDR3
13 unique J



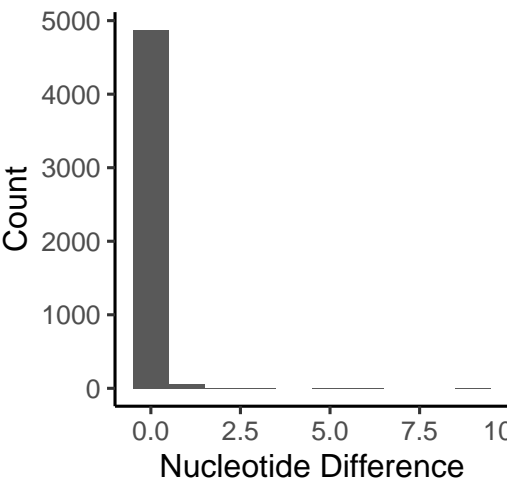
TRBV6-7*ap01

206 sequences assigned
200 (97.1%) exact matches, in which:
197 unique CDR3
12 unique J



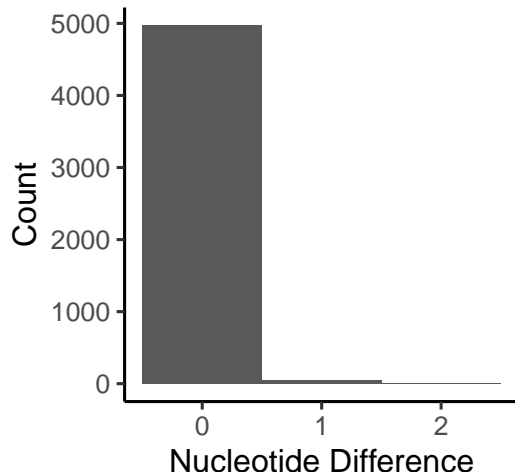
TRBV6-23*ap01

4938 sequences assigned
4872 (98.7%) exact matches, in which:
4767 unique CDR3
13 unique J



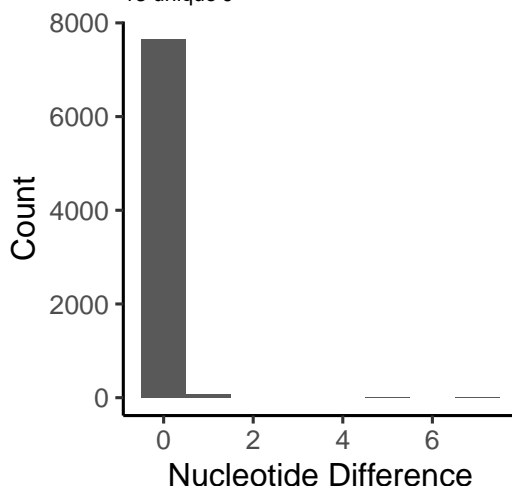
TRBV6-56*ap01

5026 sequences assigned
4972 (98.9%) exact matches, in which:
4835 unique CDR3
13 unique J



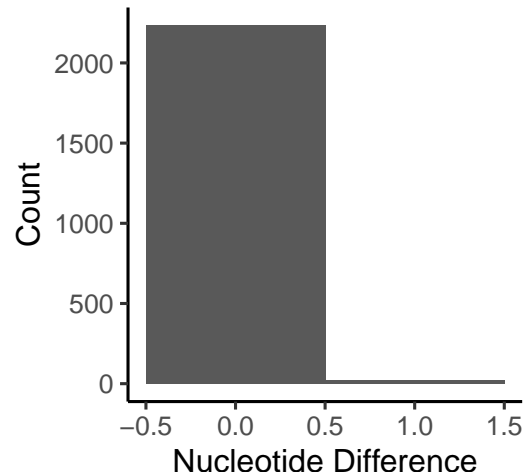
TRBV7-2*ap01

7725 sequences assigned
7647 (99%) exact matches, in which:
7505 unique CDR3
13 unique J



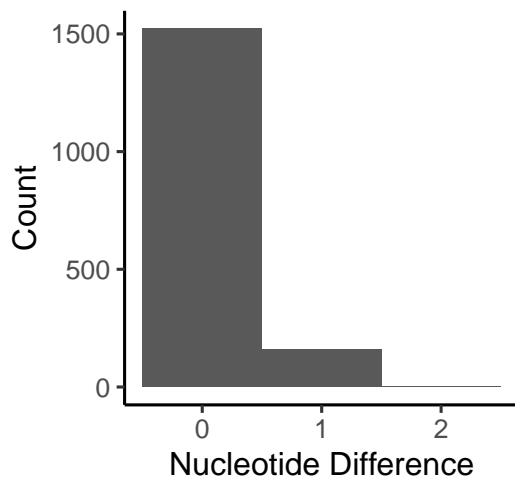
TRBV7-6*ap01

2253 sequences assigned
2234 (99.2%) exact matches, in which:
2174 unique CDR3
13 unique J



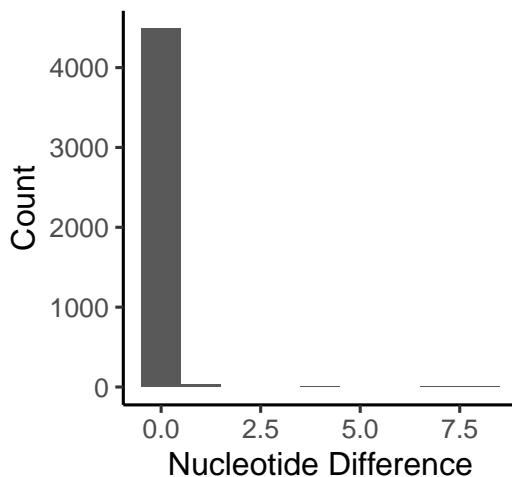
TRBV6-56*ap02

1682 sequences assigned
1522 (90.5%) exact matches, in which:
1492 unique CDR3
13 unique J



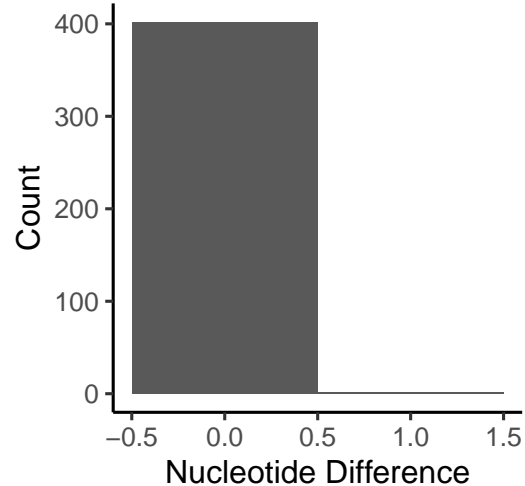
TRBV7-3*ap01

4524 sequences assigned
4487 (99.2%) exact matches, in which:
4412 unique CDR3
13 unique J



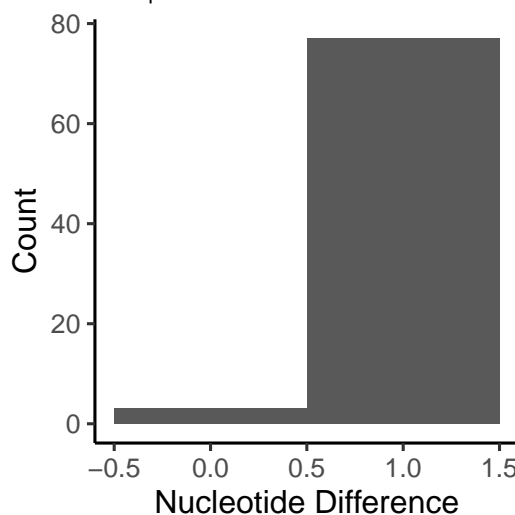
TRBV7-7*ap01

404 sequences assigned
402 (99.5%) exact matches, in which:
396 unique CDR3
13 unique J



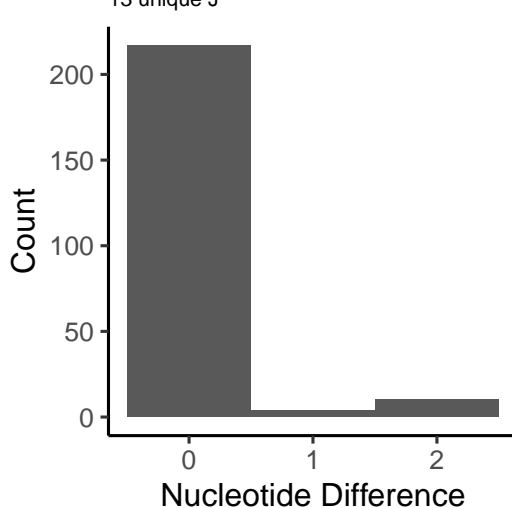
TRBV7-1*ap01_T296C

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



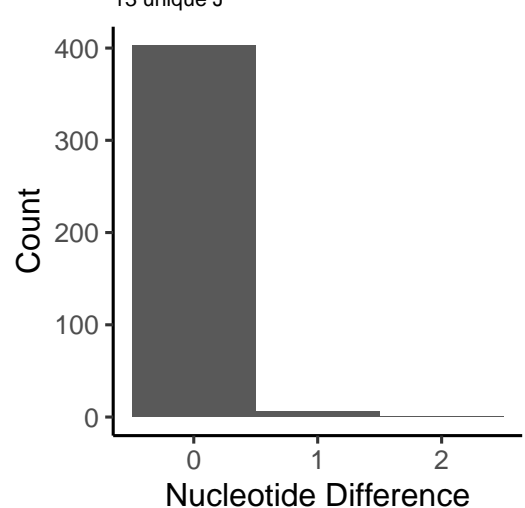
TRBV7-4*ap01

231 sequences assigned
217 (93.9%) exact matches, in which:
211 unique CDR3
13 unique J



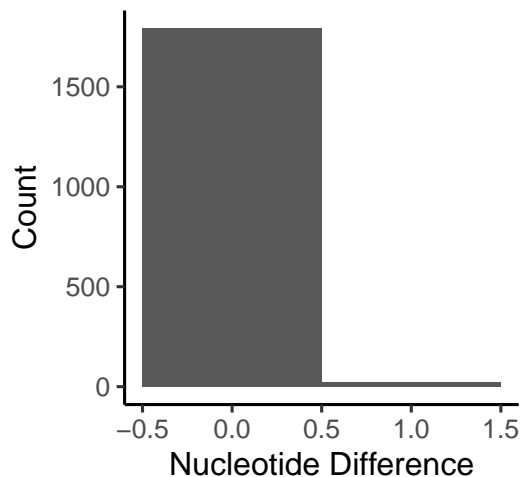
TRBV7-7*ap01_C315T

410 sequences assigned
403 (98.3%) exact matches, in which:
388 unique CDR3
13 unique J



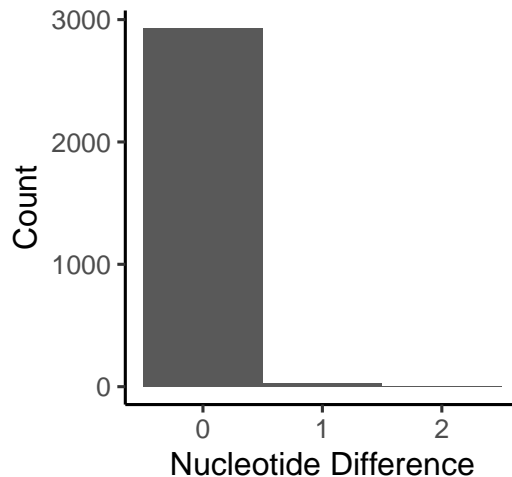
TRBV7-8*ap01

1814 sequences assigned
1792 (98.8%) exact matches, in which:
1752 unique CDR3
13 unique J



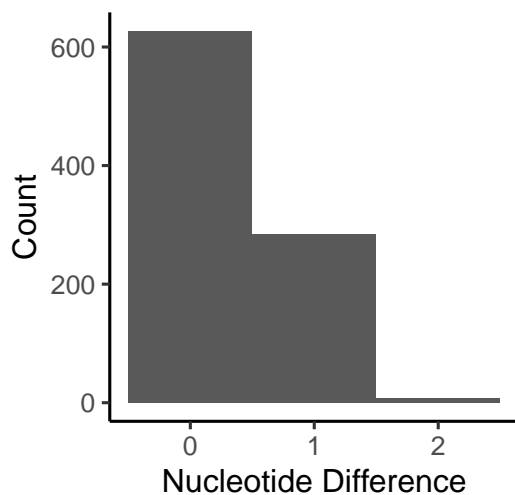
TRBV29-1*ap01

2960 sequences assigned
2928 (98.9%) exact matches, in which:
2865 unique CDR3
13 unique J



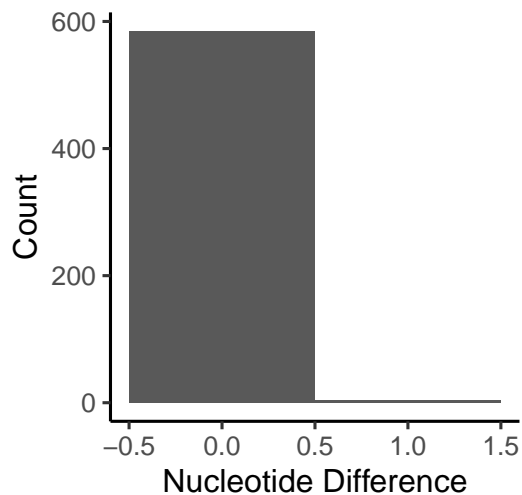
TRBV7-8*ap03

918 sequences assigned
627 (68.3%) exact matches, in which:
610 unique CDR3
13 unique J



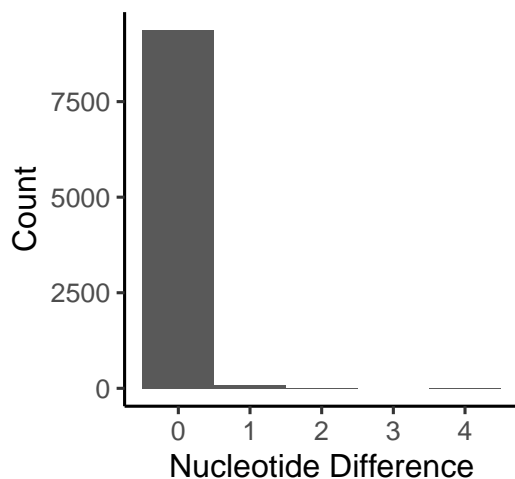
TRBV29-1*ap02

589 sequences assigned
585 (99.3%) exact matches, in which:
578 unique CDR3
13 unique J

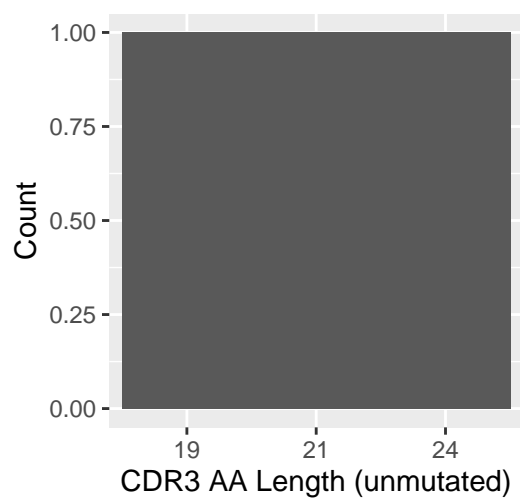


TRBV7-9*ap01

9468 sequences assigned
9372 (99%) exact matches, in which:
9196 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

