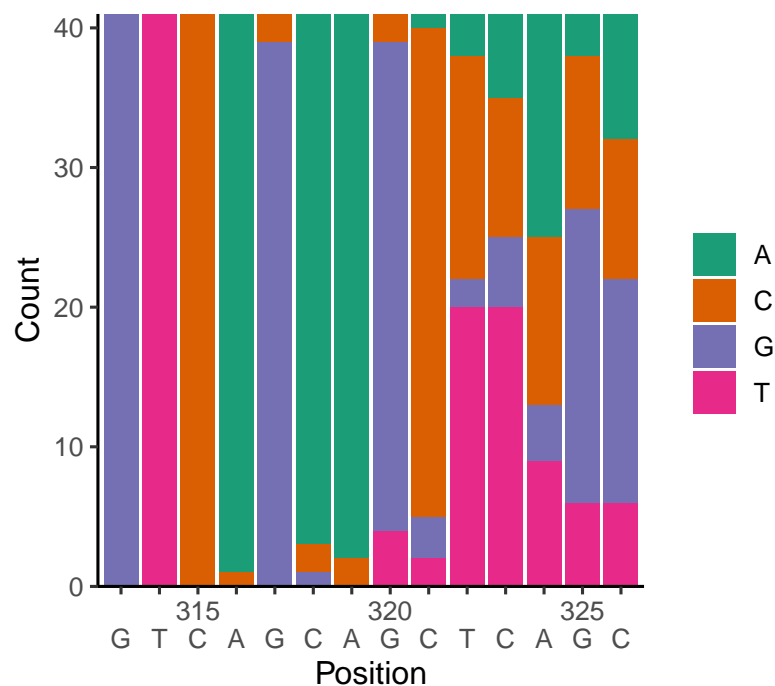
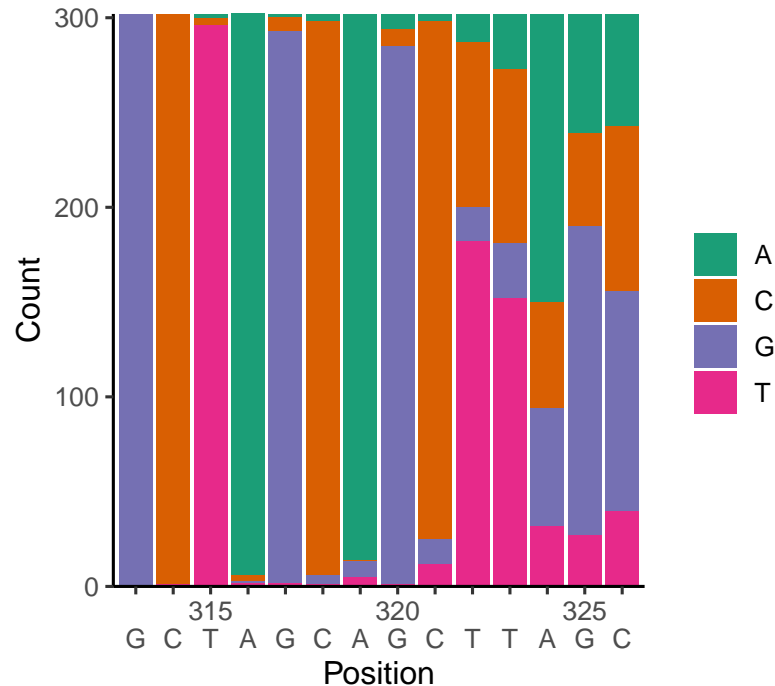


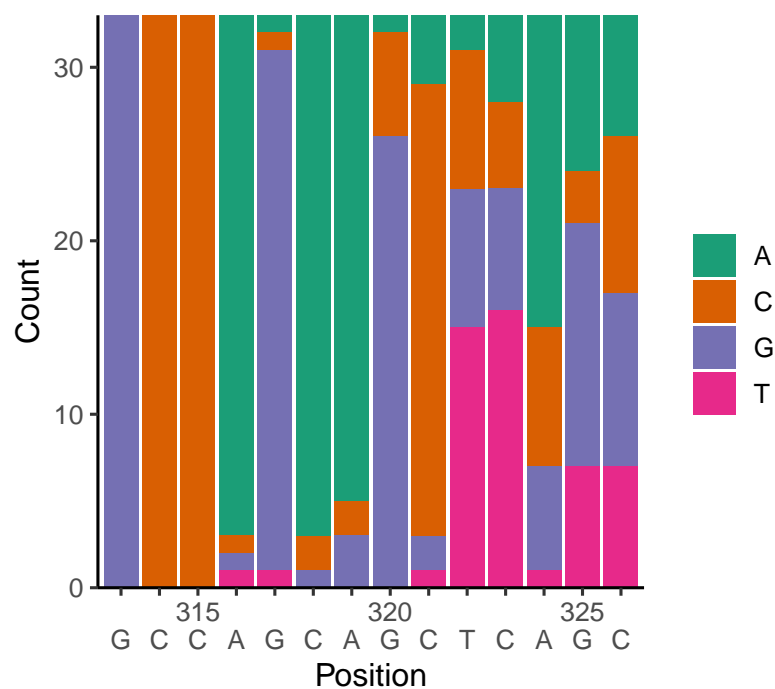
Gene TRBV7-1*ap01_G291C_T296C_C3



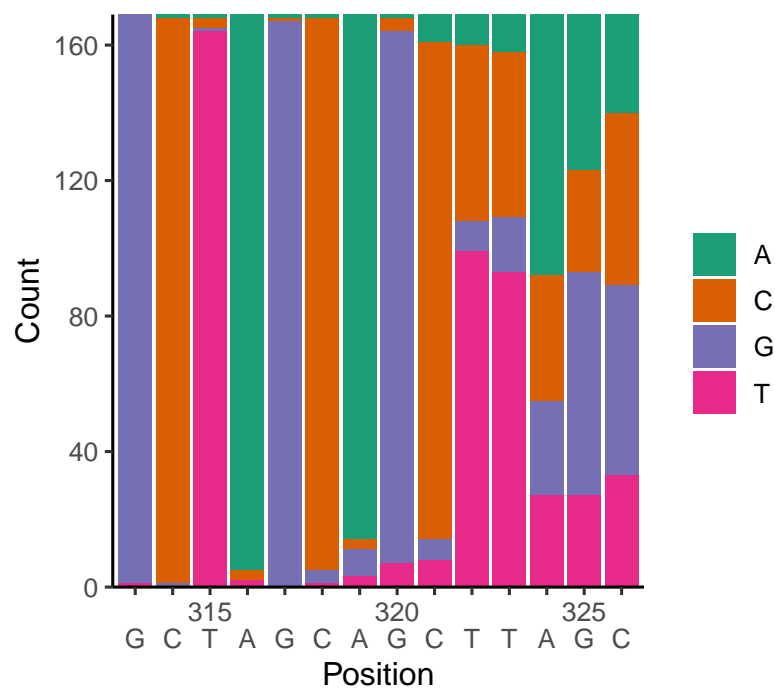
Gene TRBV7-7*ap01_C315T



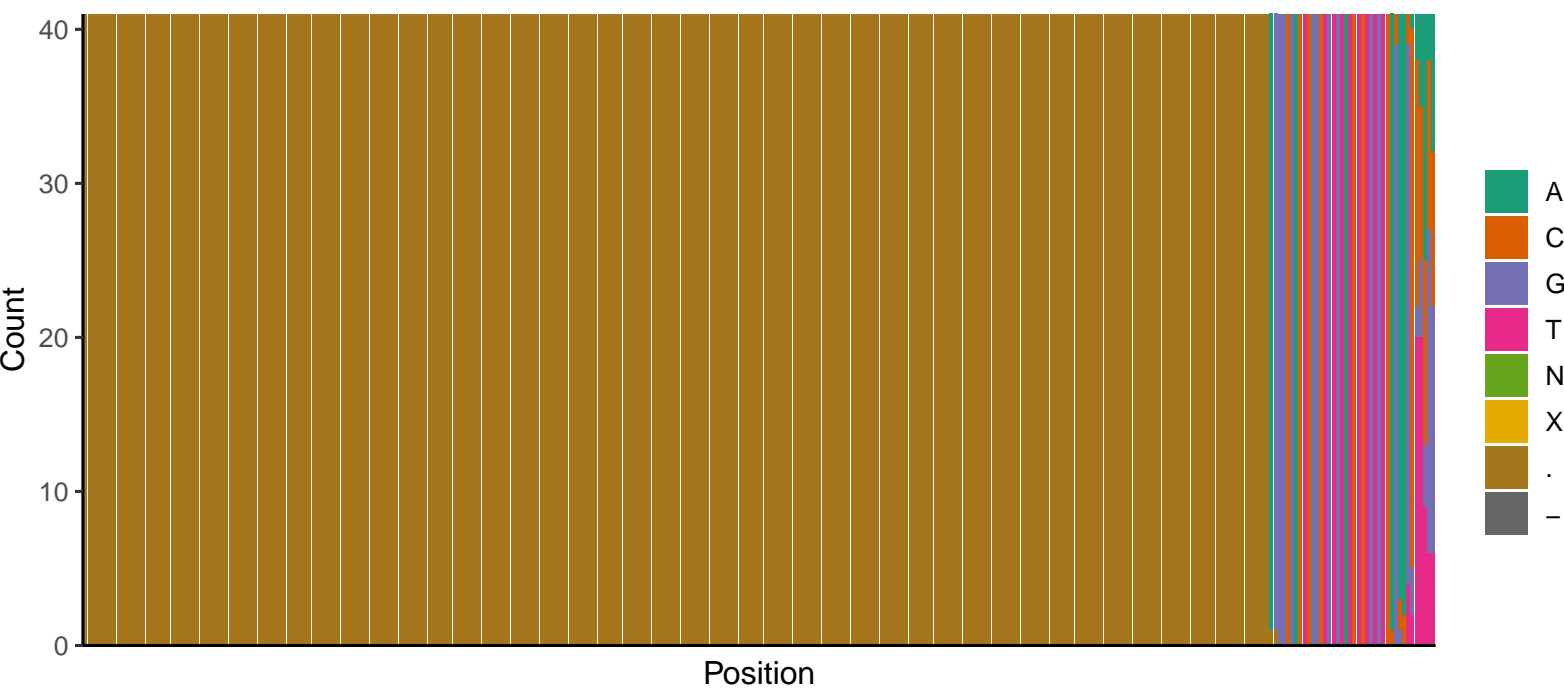
Gene TRBV7-1*ap01_G291C_T296C



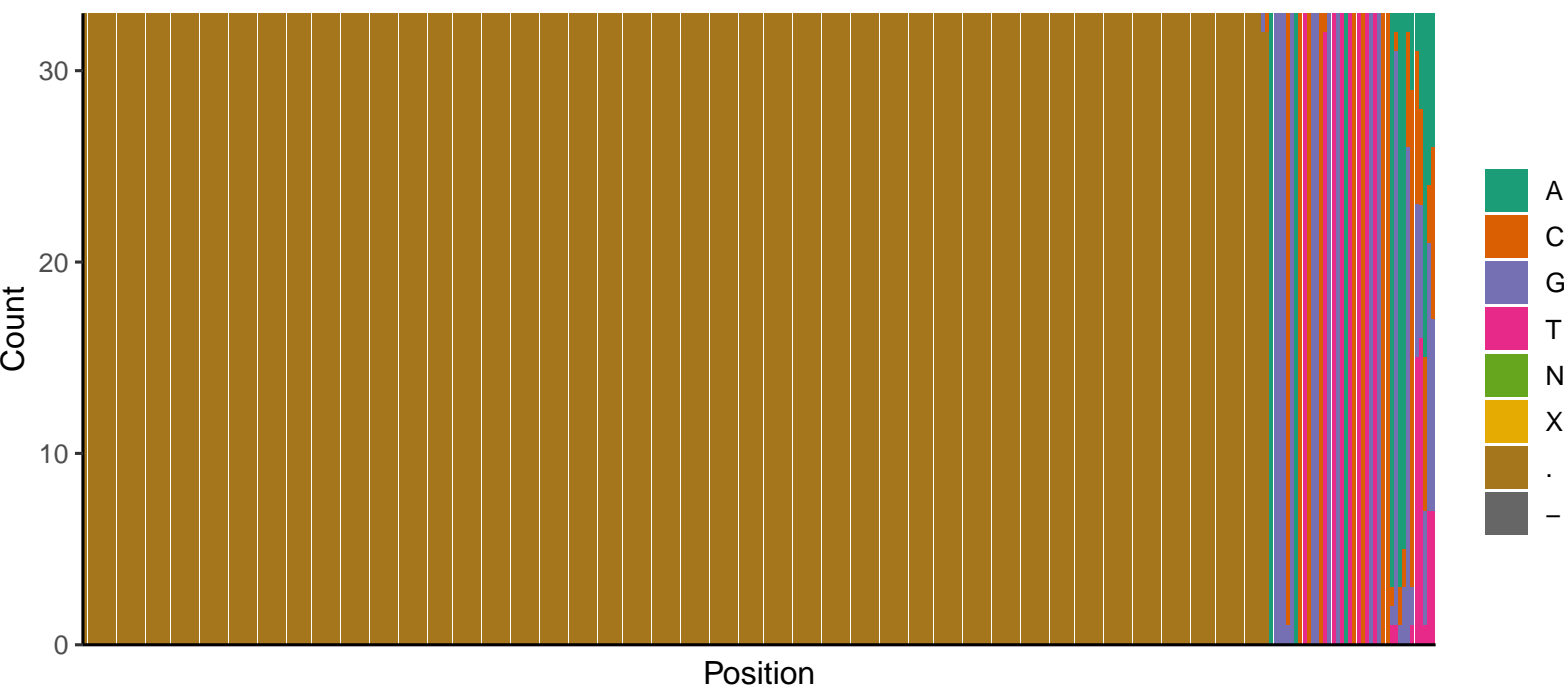
Gene TRBV7-7*ap01_C307T_C315T



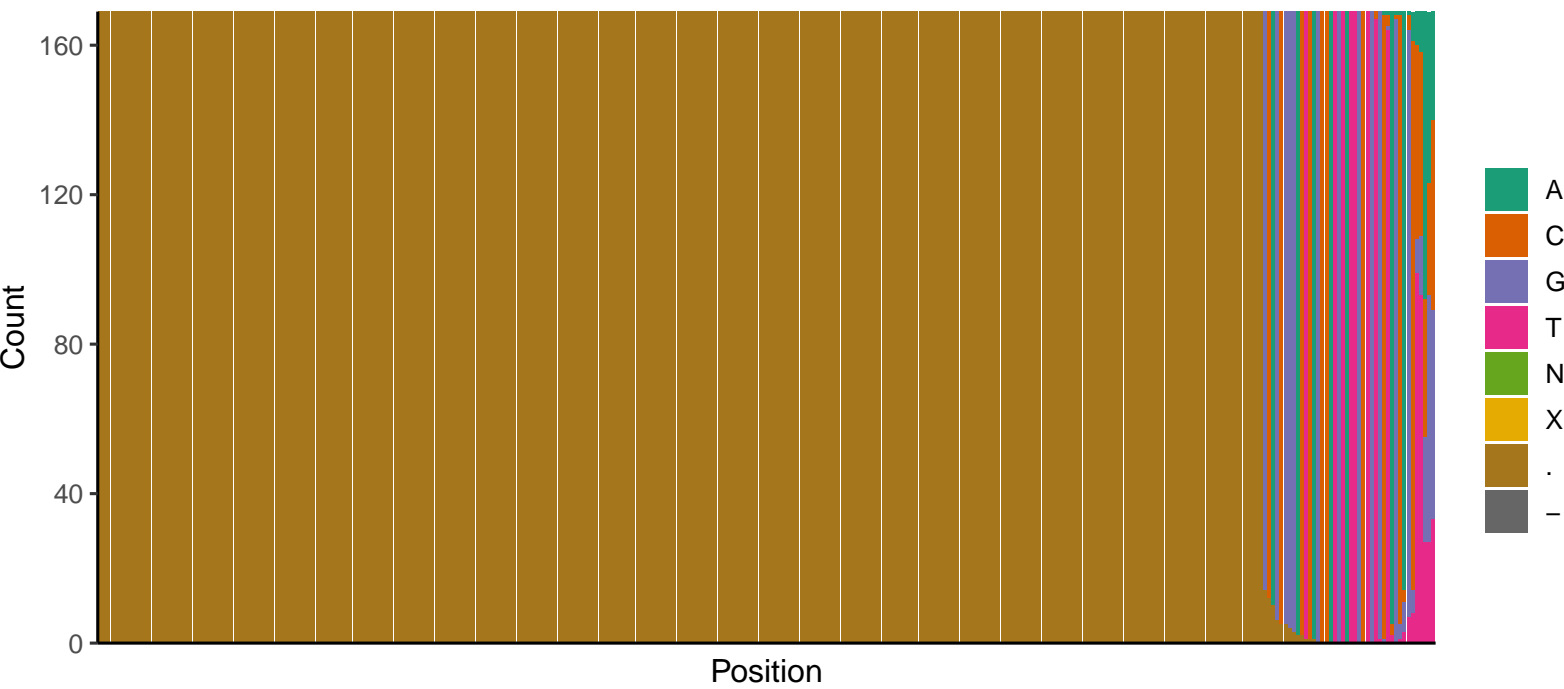
Gene TRBV7-1*ap01_G291C_T296C_C314T



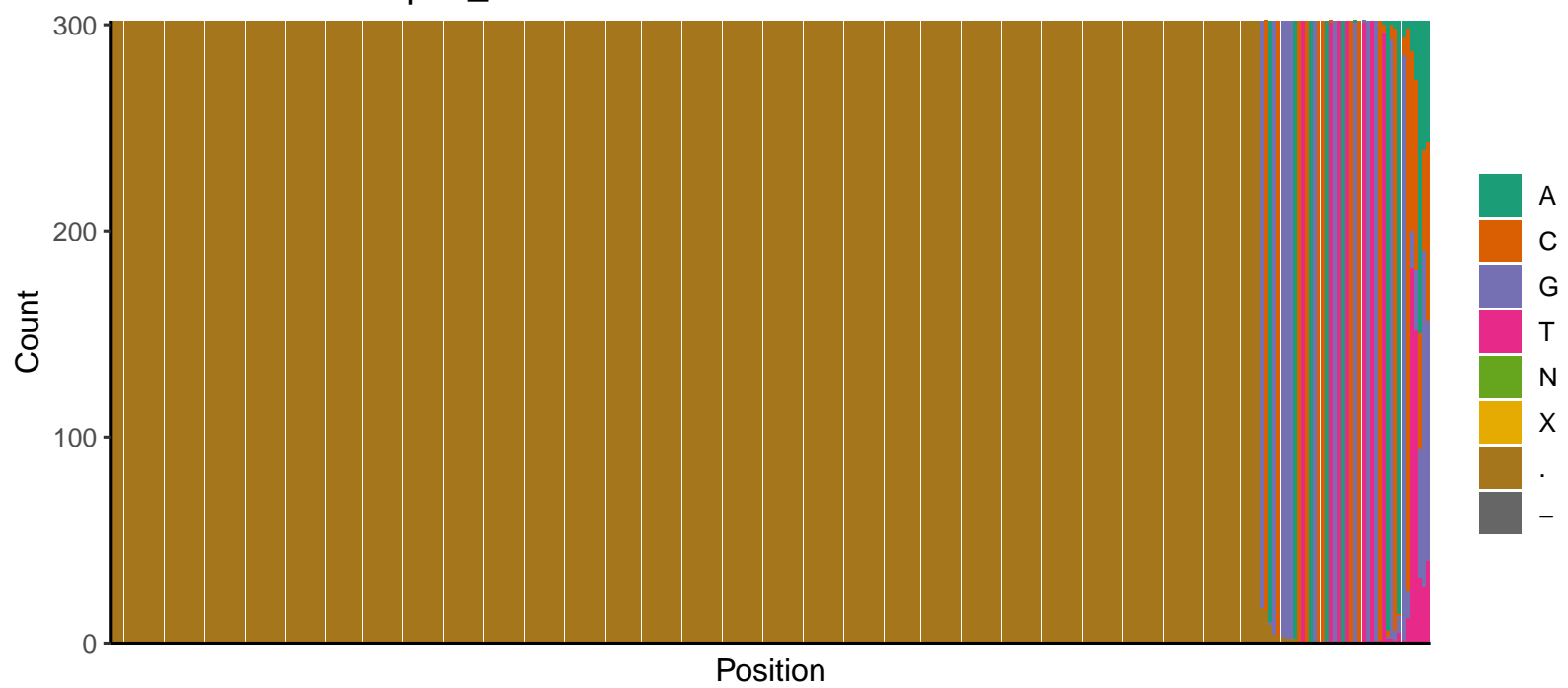
Gene TRBV7-1*ap01_G291C_T296C



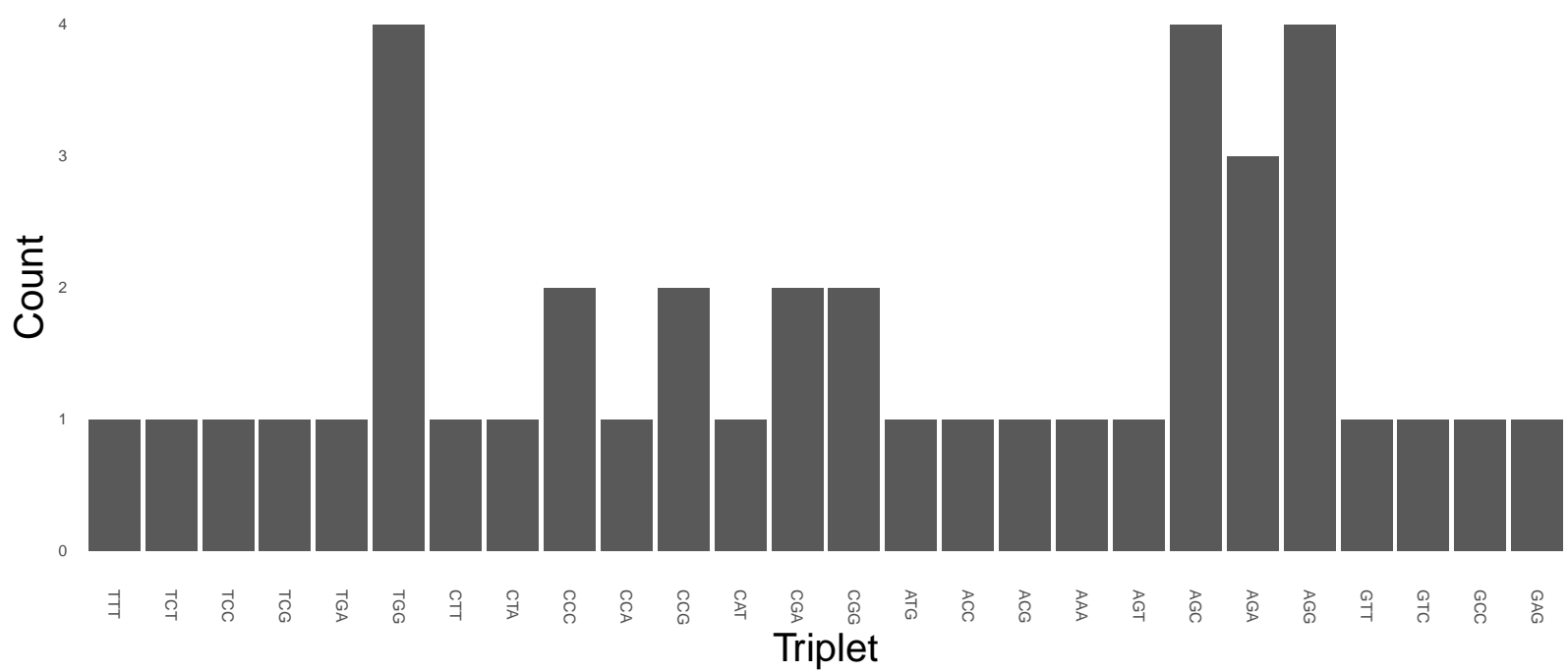
Gene TRBV7-7*ap01_C307T_C315T



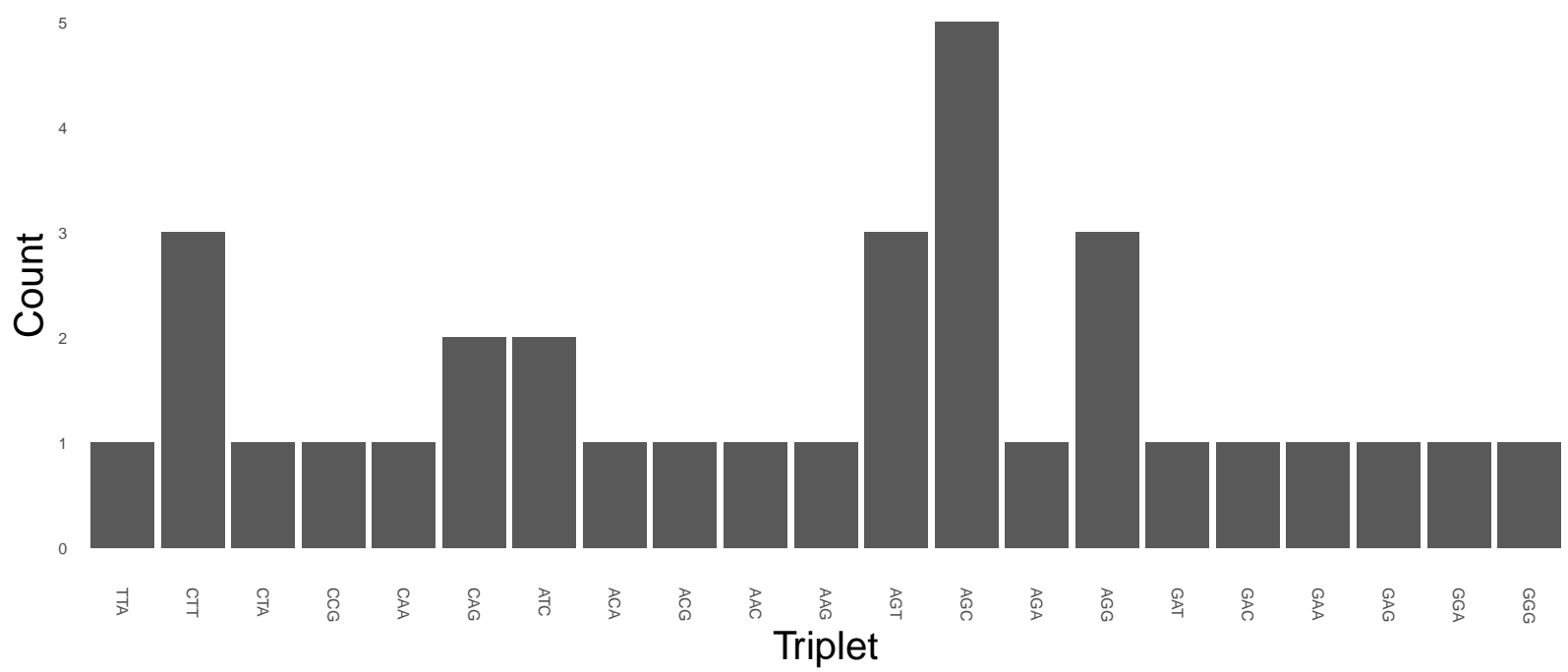
Gene TRBV7-7*ap01_C315T



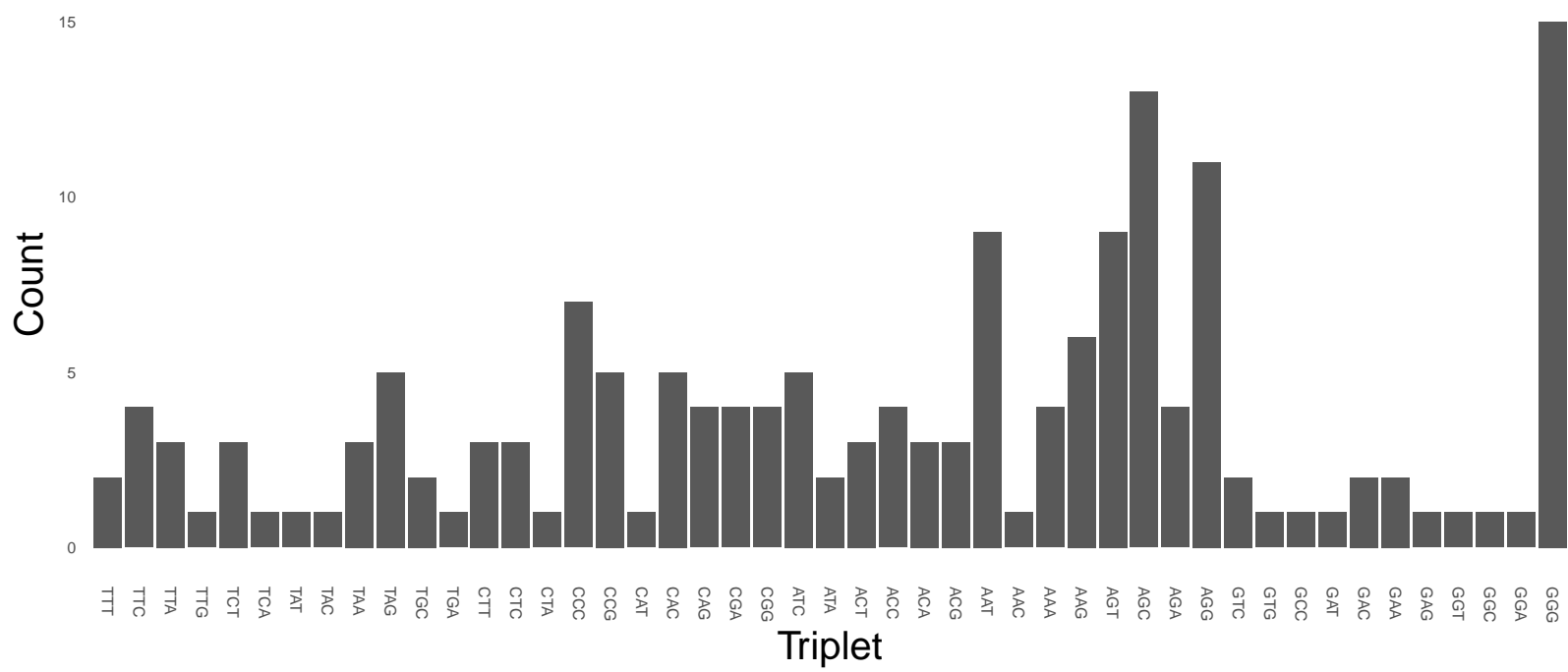
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



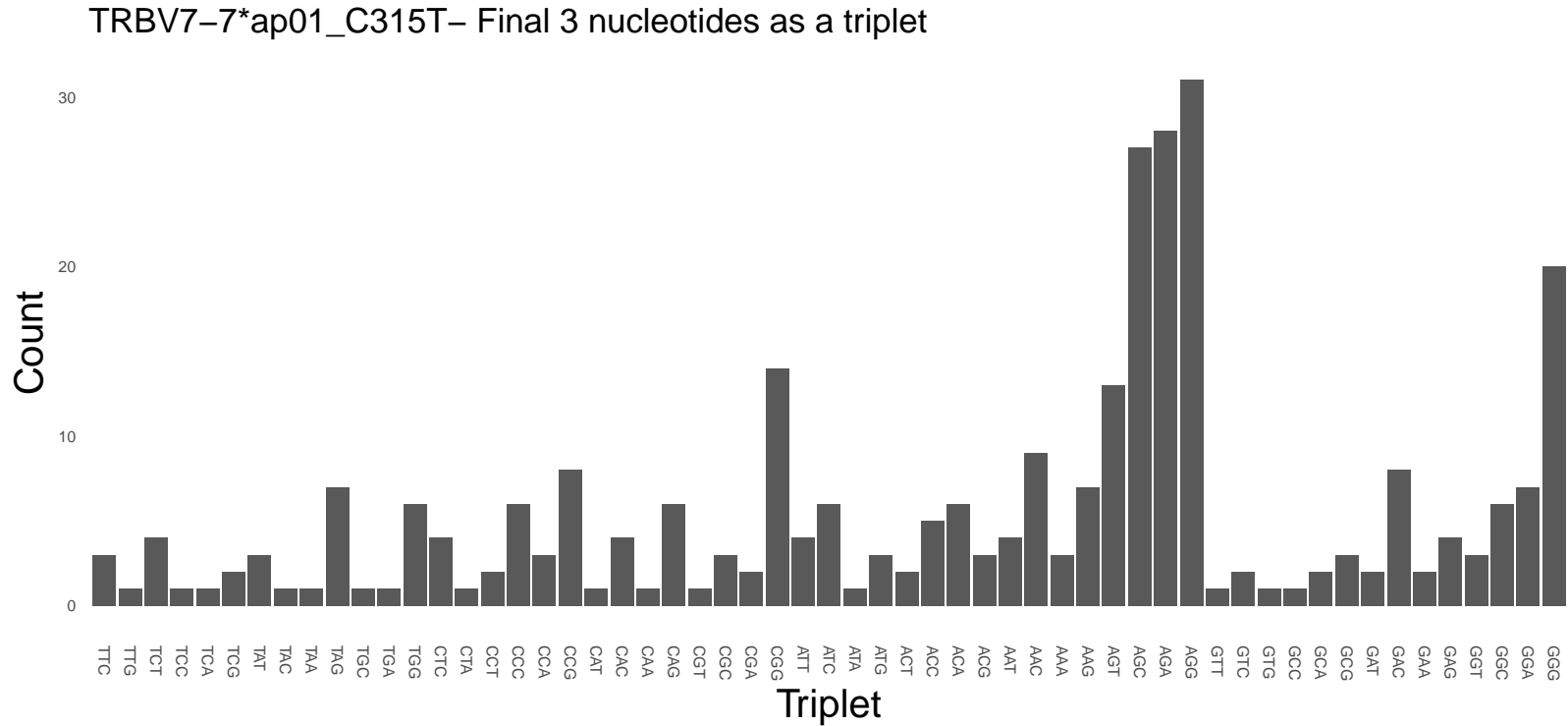
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-7*ap01_C307T_C315T- Final 3 nucleotides as a triplet

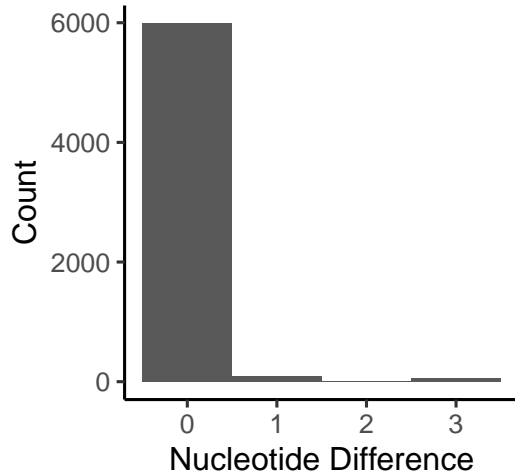


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



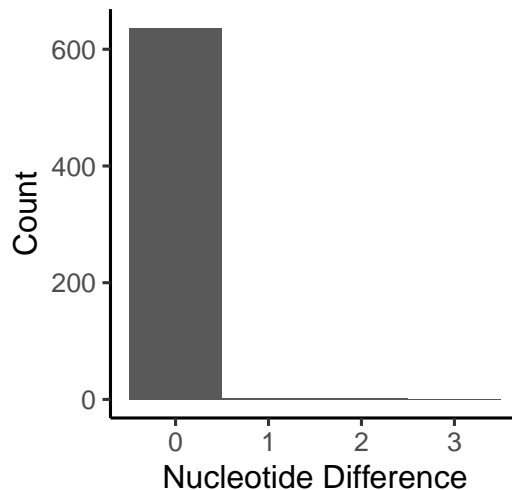
TRBV20-1*ap01

6146 sequences assigned
5989 (97.4%) exact matches, in which:
5885 unique CDR3
13 unique J



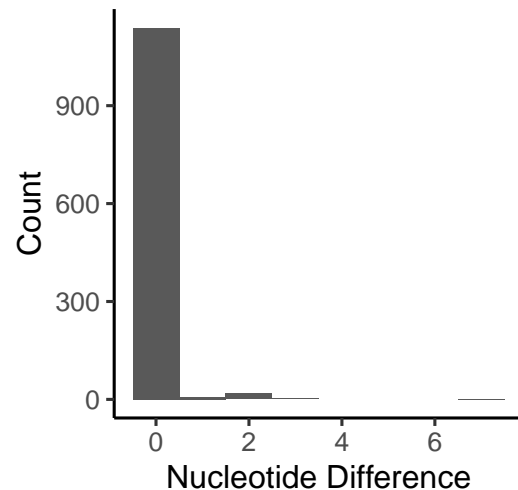
TRBV10-2*ap01

643 sequences assigned
637 (99.1%) exact matches, in which:
627 unique CDR3
13 unique J



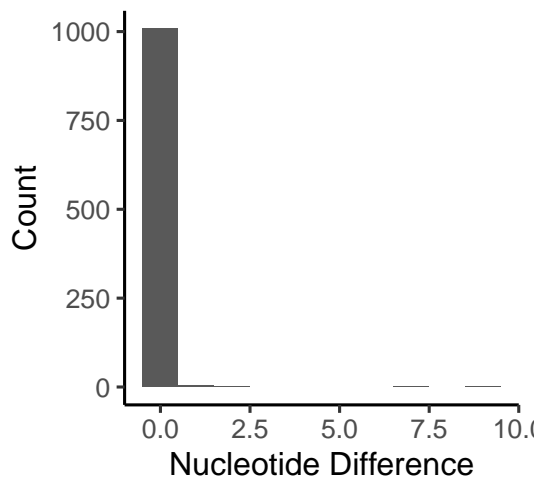
TRBV13*ap01

1169 sequences assigned
1139 (97.4%) exact matches, in which:
1118 unique CDR3
13 unique J



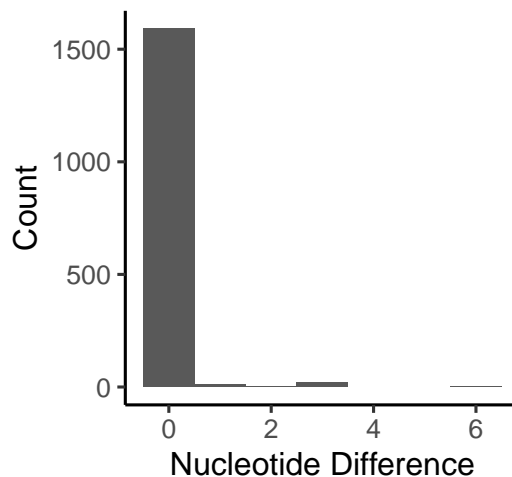
TRBV10-1*ap01

1015 sequences assigned
1008 (99.3%) exact matches, in which:
996 unique CDR3
13 unique J



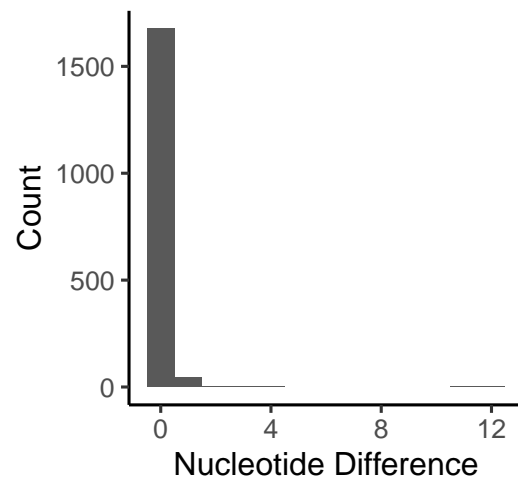
TRBV10-3*ap01

1623 sequences assigned
1591 (98%) exact matches, in which:
1567 unique CDR3
13 unique J



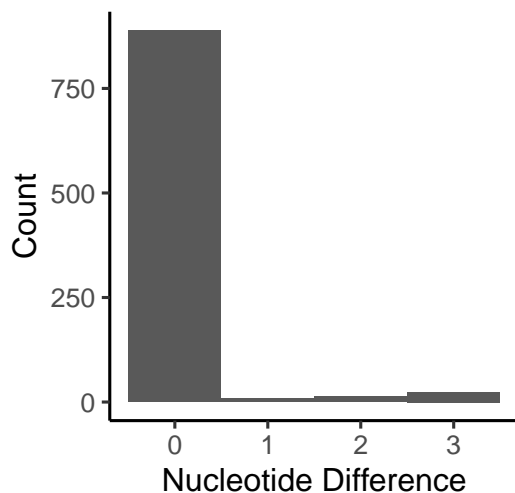
TRBV14*ap01

1733 sequences assigned
1676 (96.7%) exact matches, in which:
1641 unique CDR3
13 unique J



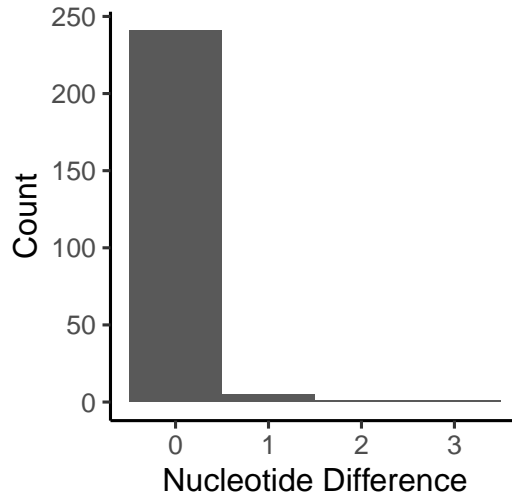
TRBV20-1*ap02

934 sequences assigned
889 (95.2%) exact matches, in which:
873 unique CDR3
13 unique J



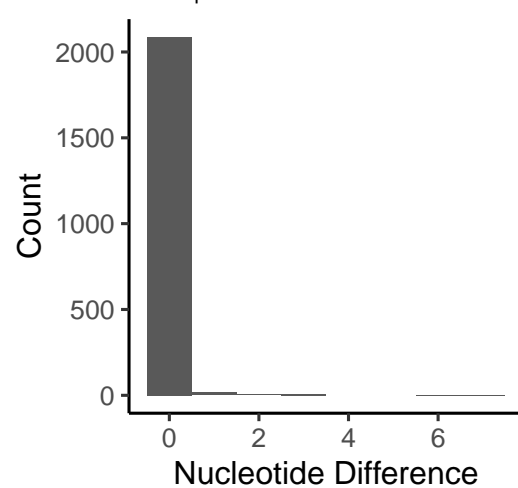
TRBV1*ap01

248 sequences assigned
241 (97.2%) exact matches, in which:
235 unique CDR3
13 unique J



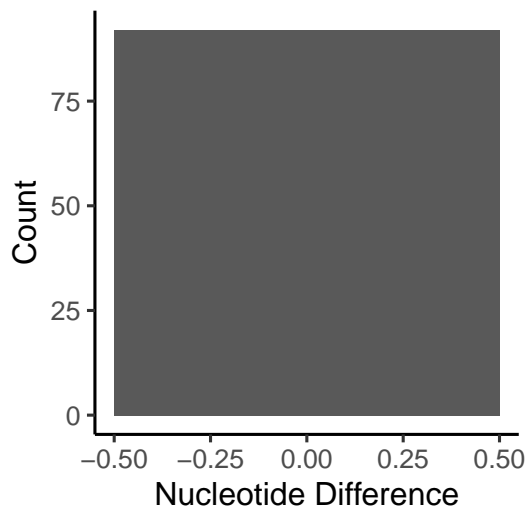
TRBV15*ap02

2117 sequences assigned
2087 (98.6%) exact matches, in which:
2067 unique CDR3
13 unique J



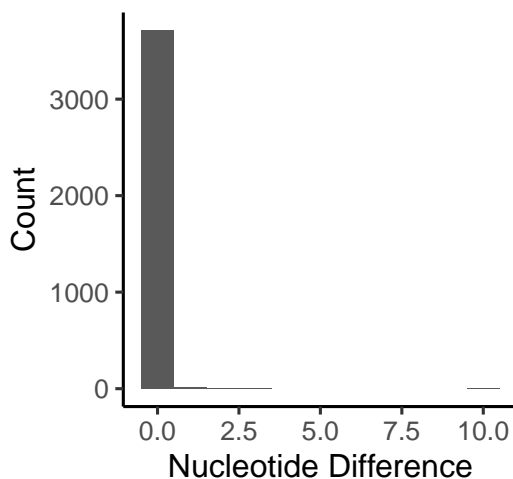
TRBV16*ap01

92 sequences assigned
92 (100%) exact matches, in which:
91 unique CDR3
12 unique J



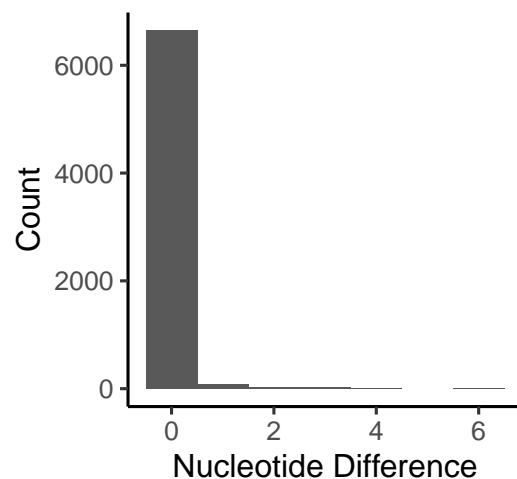
TRBV2*ap01

3746 sequences assigned
3712 (99.1%) exact matches, in which:
3684 unique CDR3
13 unique J



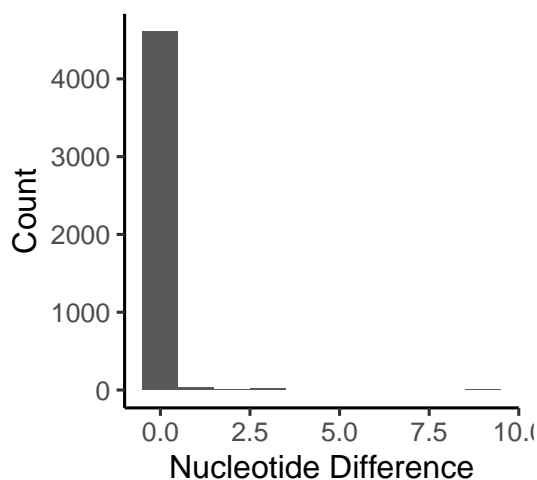
TRBV28*ap01

6776 sequences assigned
6647 (98.1%) exact matches, in which:
6570 unique CDR3
14 unique J



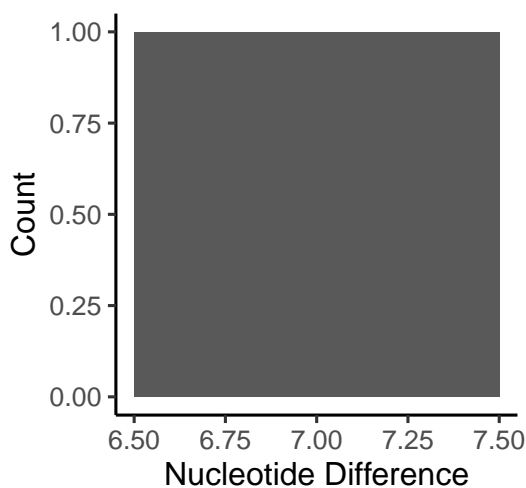
TRBV18*ap01

4656 sequences assigned
4606 (98.9%) exact matches, in which:
4516 unique CDR3
13 unique J



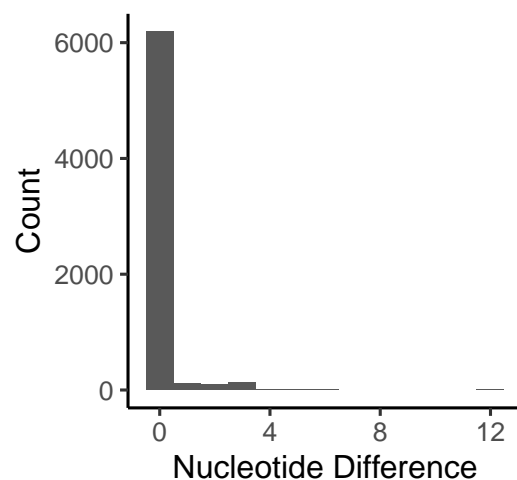
TRBV26*ap01

1 sequences assigned
No exact matches.



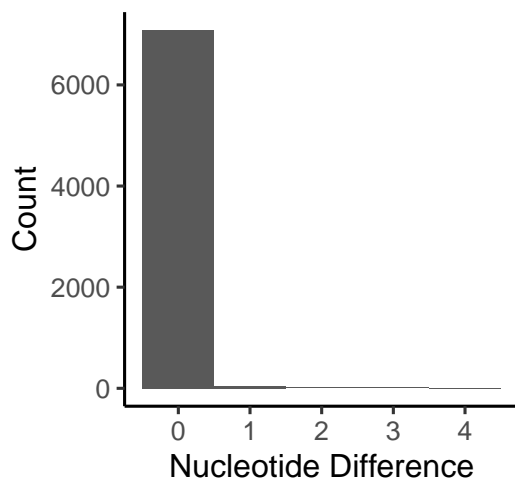
TRBV30*ap01

6526 sequences assigned
6189 (94.8%) exact matches, in which:
6049 unique CDR3
13 unique J



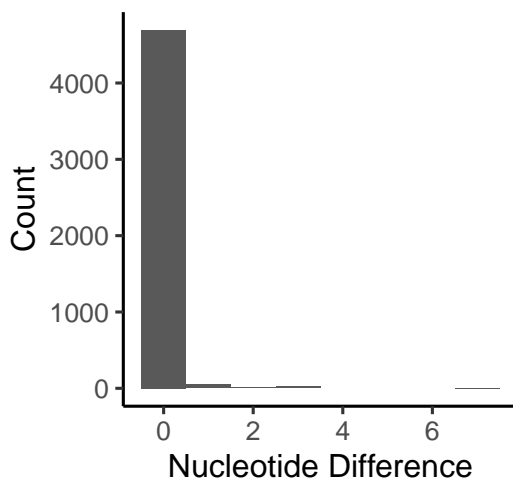
TRBV19*ap01

7159 sequences assigned
7085 (99%) exact matches, in which:
7022 unique CDR3
13 unique J



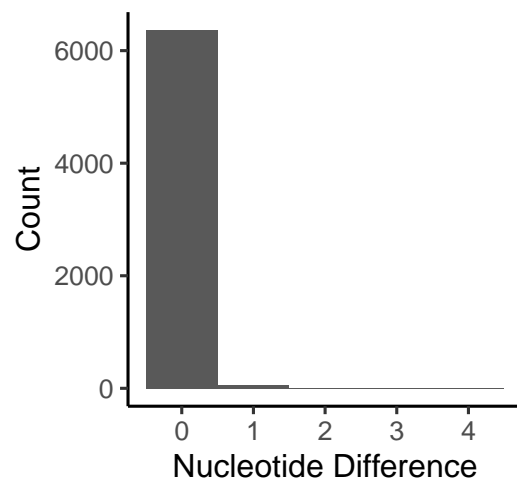
TRBV27*ap01

4779 sequences assigned
4694 (98.2%) exact matches, in which:
4648 unique CDR3
13 unique J



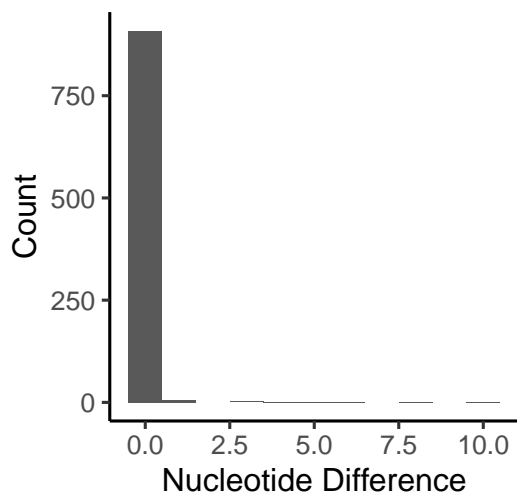
TRBV9*ap01

6432 sequences assigned
6366 (99%) exact matches, in which:
6296 unique CDR3
13 unique J



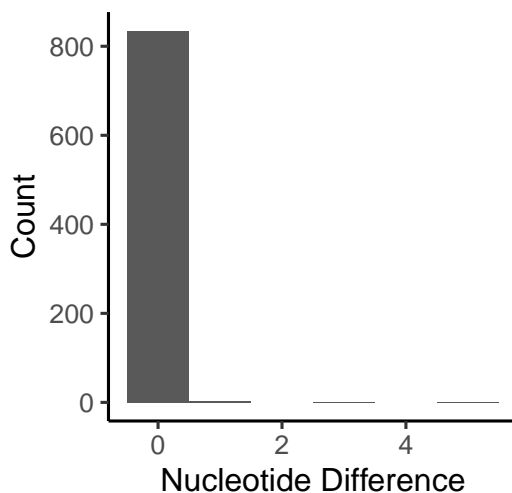
TRBV21–1*ap01

921 sequences assigned
909 (98.7%) exact matches, in which:
906 unique CDR3
13 unique J



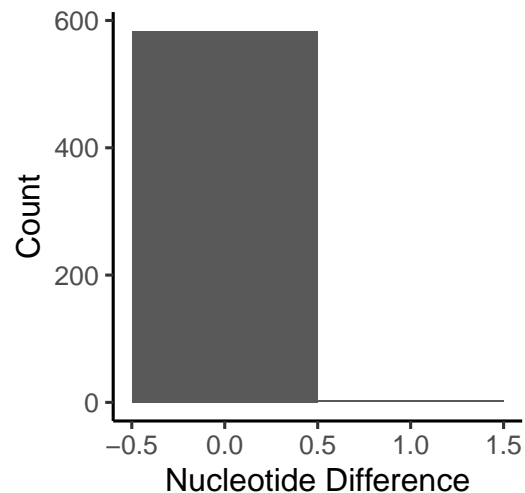
TRBV11–3*ap01

840 sequences assigned
835 (99.4%) exact matches, in which:
831 unique CDR3
13 unique J



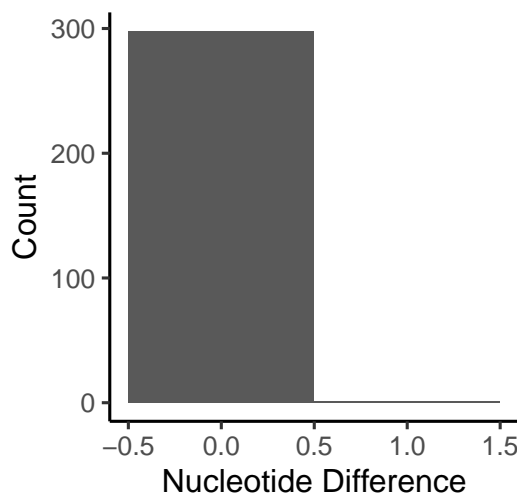
TRBV12–5*ap01

587 sequences assigned
584 (99.5%) exact matches, in which:
580 unique CDR3
13 unique J



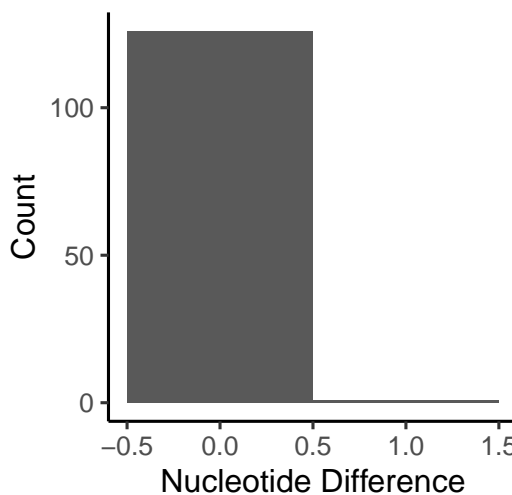
TRBV11–1*ap01

299 sequences assigned
298 (99.7%) exact matches, in which:
294 unique CDR3
13 unique J



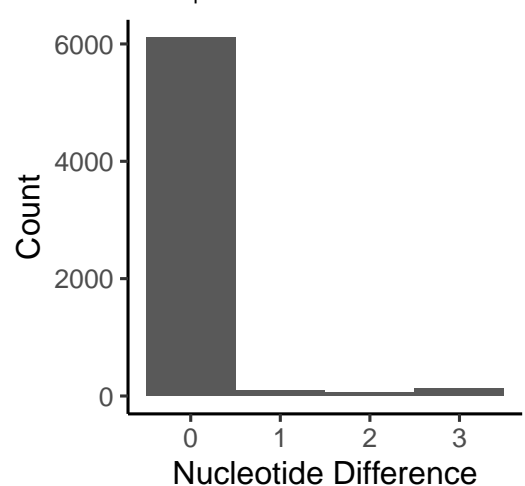
TRBV12–1*ap01

127 sequences assigned
126 (99.2%) exact matches, in which:
124 unique CDR3
13 unique J



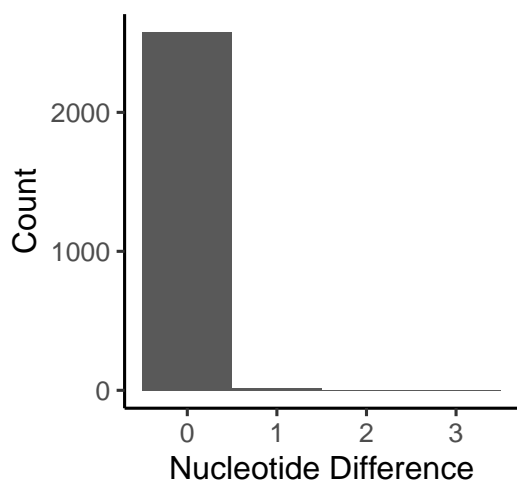
TRBV12–34*ap01

6388 sequences assigned
6106 (95.6%) exact matches, in which:
6018 unique CDR3
13 unique J



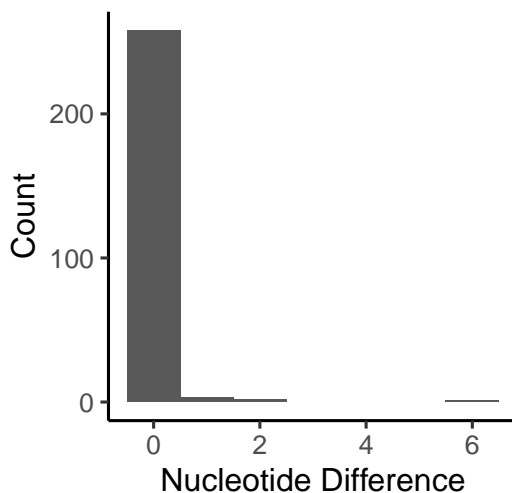
TRBV11–2*ap01

2597 sequences assigned
2578 (99.3%) exact matches, in which:
2562 unique CDR3
13 unique J



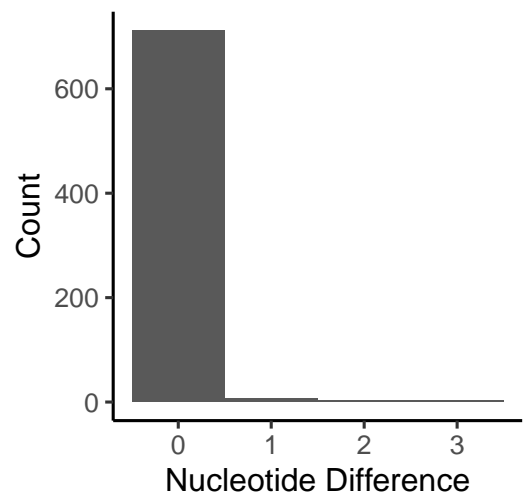
TRBV12–2*ap01

264 sequences assigned
258 (97.7%) exact matches, in which:
256 unique CDR3
13 unique J



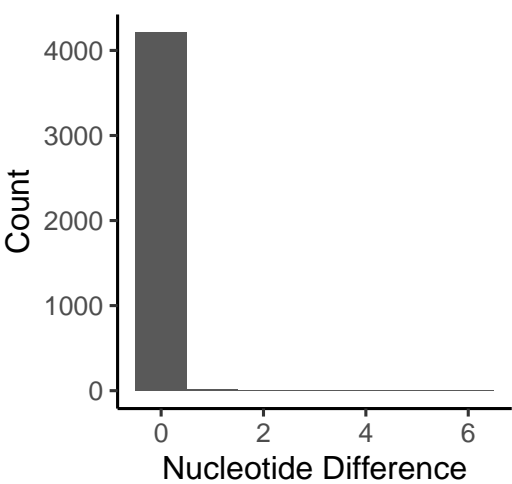
TRBV23–1*ap01

724 sequences assigned
712 (98.3%) exact matches, in which:
706 unique CDR3
13 unique J



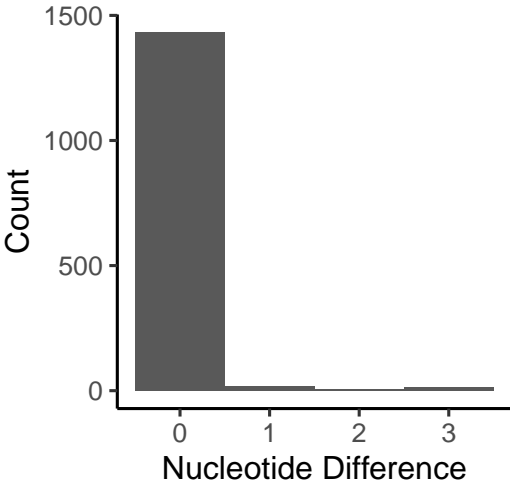
TRBV3-12*ap01

4248 sequences assigned
4212 (99.2%) exact matches, in which:
4169 unique CDR3
13 unique J



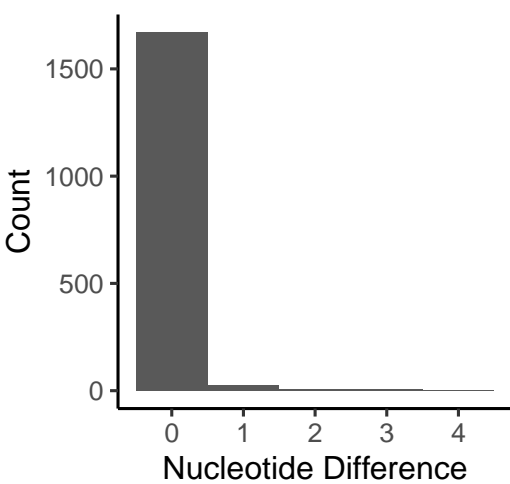
TRBV4-2*ap01

1466 sequences assigned
1432 (97.7%) exact matches, in which:
1412 unique CDR3
13 unique J



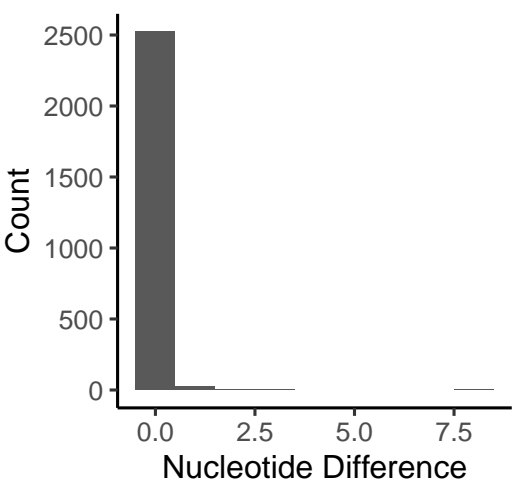
TRBV25-1*ap01

1711 sequences assigned
1670 (97.6%) exact matches, in which:
1651 unique CDR3
13 unique J



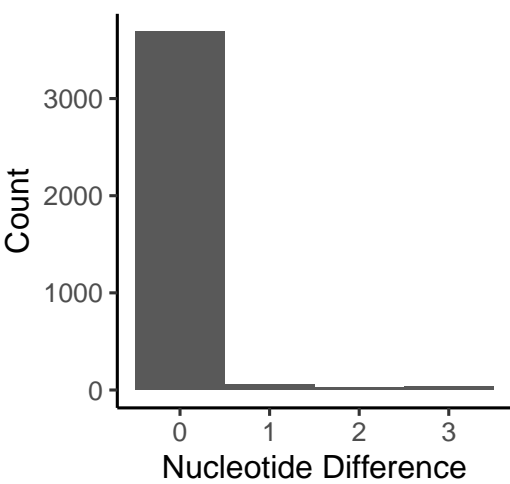
TRBV24-1*ap01

2557 sequences assigned
2523 (98.7%) exact matches, in which:
2492 unique CDR3
13 unique J



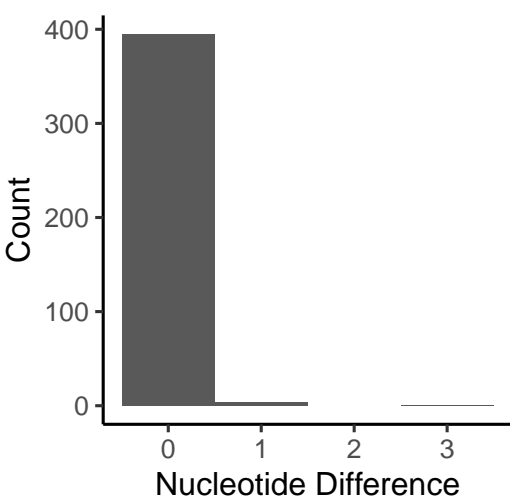
TRBV4-3*ap01

3804 sequences assigned
3688 (97%) exact matches, in which:
3623 unique CDR3
13 unique J



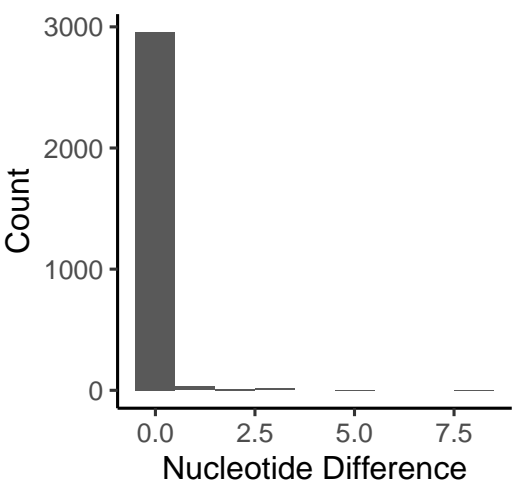
TRBV5-3*ap01

400 sequences assigned
395 (98.8%) exact matches, in which:
391 unique CDR3
13 unique J



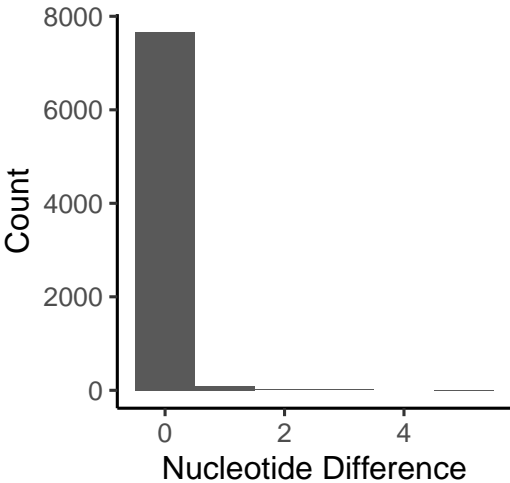
TRBV4-1*ap01

3019 sequences assigned
2957 (97.9%) exact matches, in which:
2894 unique CDR3
13 unique J



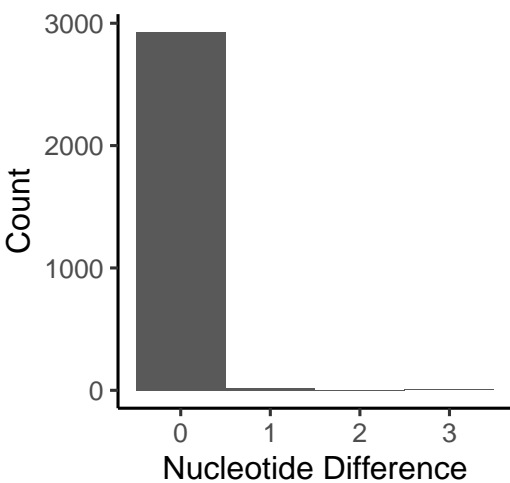
TRBV5-1*ap01

7788 sequences assigned
7663 (98.4%) exact matches, in which:
7560 unique CDR3
13 unique J



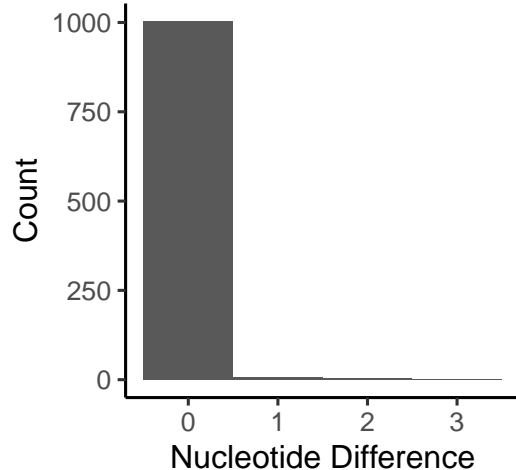
TRBV5-4*ap01

2957 sequences assigned
2928 (99%) exact matches, in which:
2899 unique CDR3
13 unique J



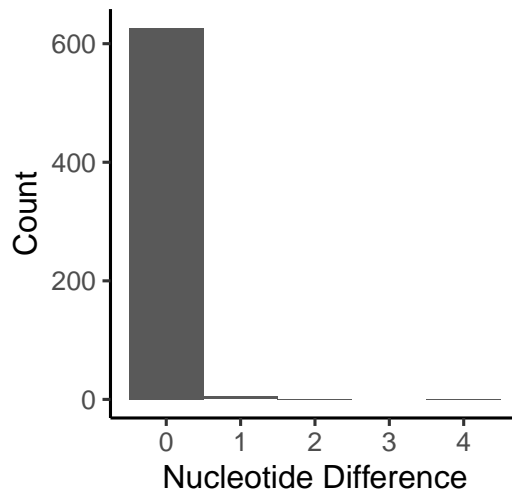
TRBV5-5*ap01

1016 sequences assigned
1003 (98.7%) exact matches, in which:
996 unique CDR3
13 unique J



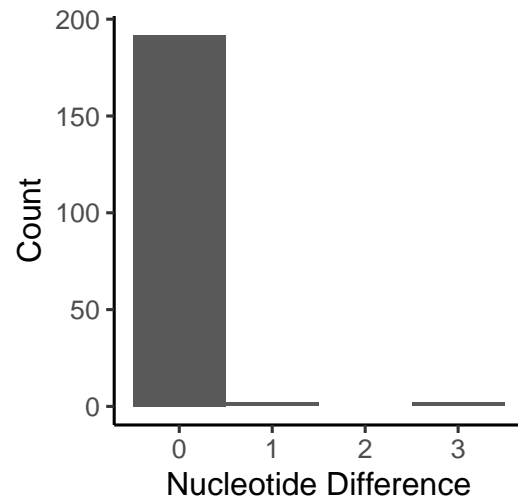
TRBV5-8*ap01

634 sequences assigned
627 (98.9%) exact matches, in which:
627 unique CDR3
13 unique J



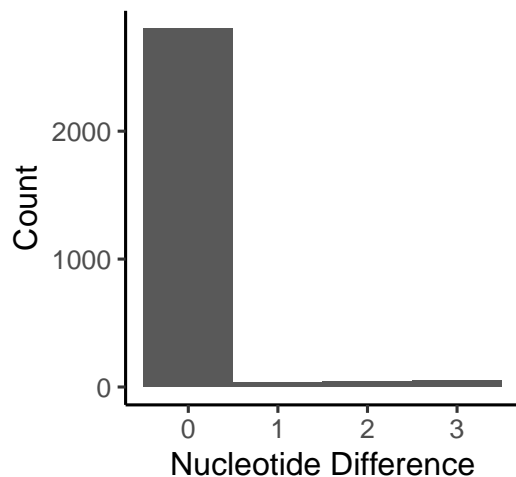
TRBV6-7*ap01

196 sequences assigned
192 (98%) exact matches, in which:
188 unique CDR3
13 unique J



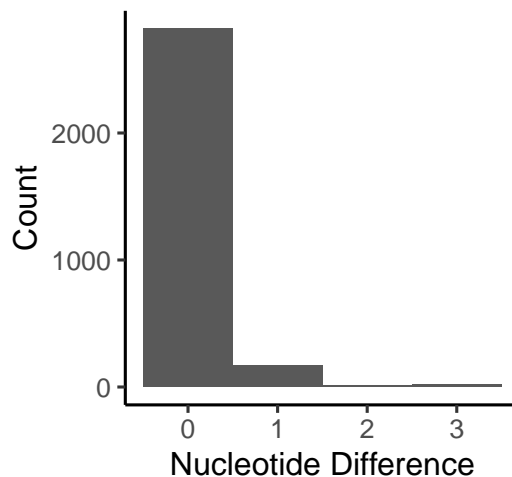
TRBV5-6*ap01

2931 sequences assigned
2801 (95.6%) exact matches, in which:
2746 unique CDR3
14 unique J



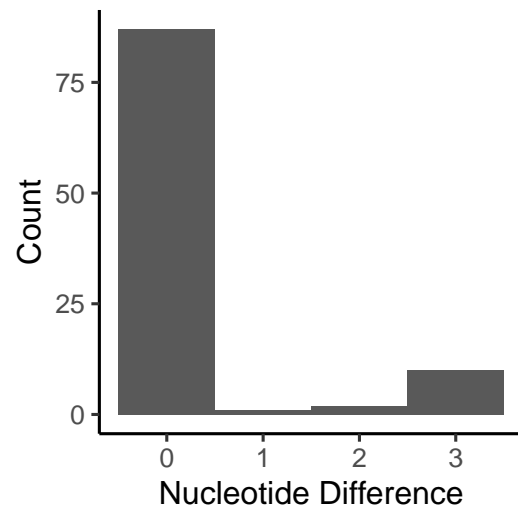
TRBV6-1*ap01

3024 sequences assigned
2821 (93.3%) exact matches, in which:
2782 unique CDR3
13 unique J



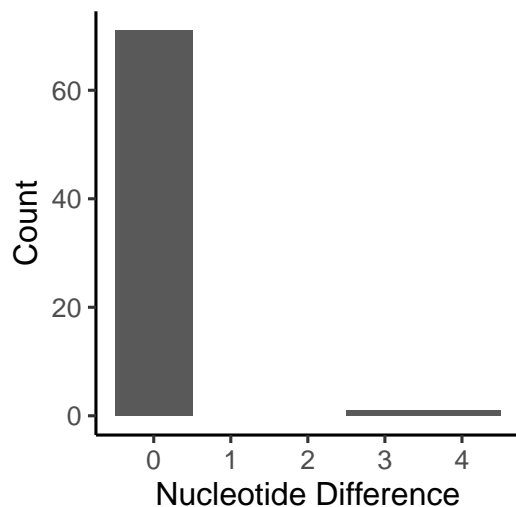
TRBV6-8*ap01

100 sequences assigned
87 (87%) exact matches, in which:
86 unique CDR3
11 unique J



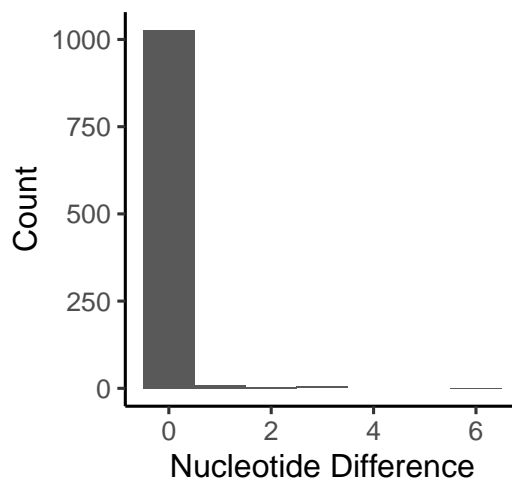
TRBV5-7*ap01

73 sequences assigned
71 (97.3%) exact matches, in which:
67 unique CDR3
13 unique J



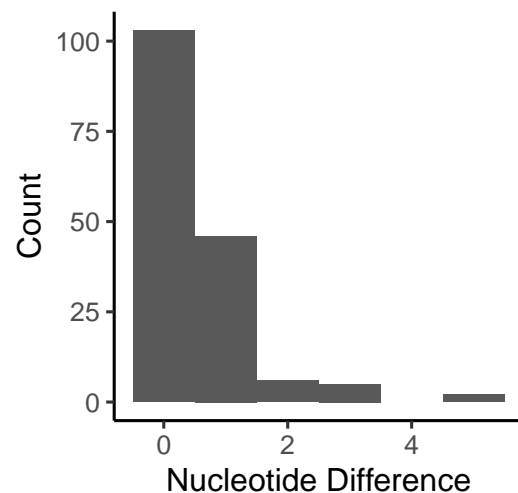
TRBV6-4*ap01

1046 sequences assigned
1027 (98.2%) exact matches, in which:
1018 unique CDR3
13 unique J



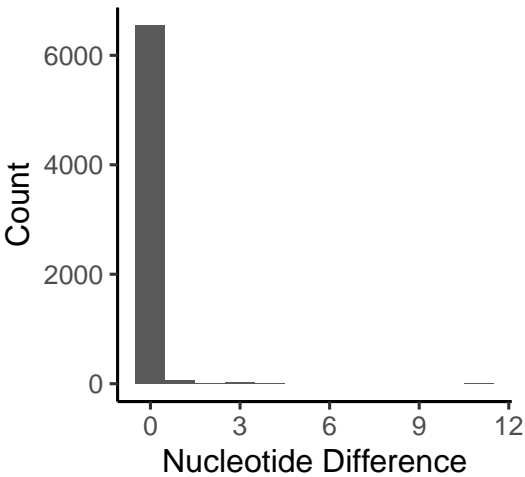
TRBV6-9*ap01

162 sequences assigned
103 (63.6%) exact matches, in which:
102 unique CDR3
11 unique J



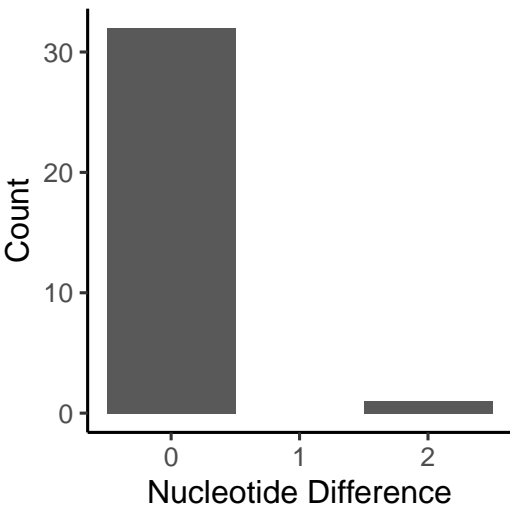
TRBV6-23*ap01

6644 sequences assigned
6547 (98.5%) exact matches, in which:
6398 unique CDR3
13 unique J



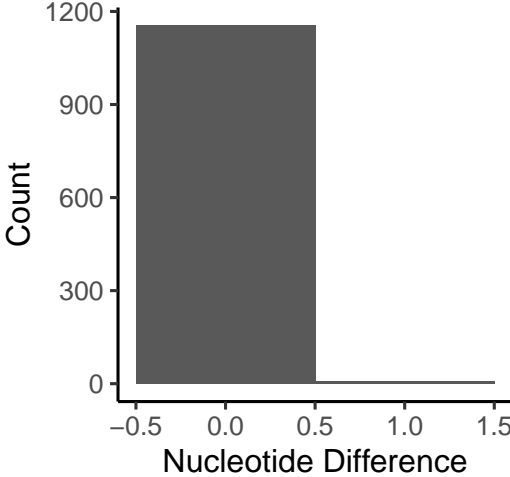
TRBV7-1*ap01_G291C_T

33 sequences assigned
32 (97%) exact matches, in which:
32 unique CDR3
8 unique J



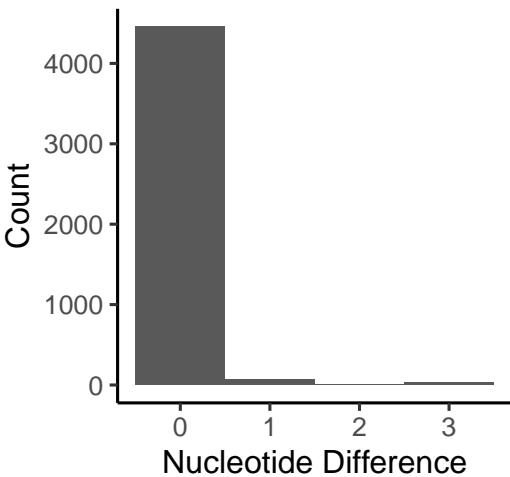
TRBV7-3*ap01

1163 sequences assigned
1155 (99.3%) exact matches, in which:
1145 unique CDR3
13 unique J



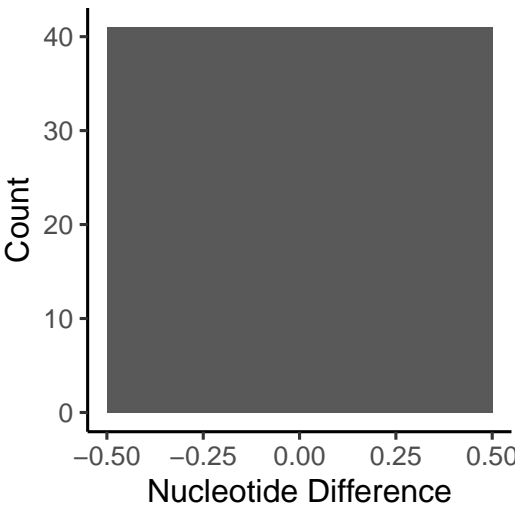
TRBV6-56*ap01

4561 sequences assigned
4456 (97.7%) exact matches, in which:
4358 unique CDR3
13 unique J



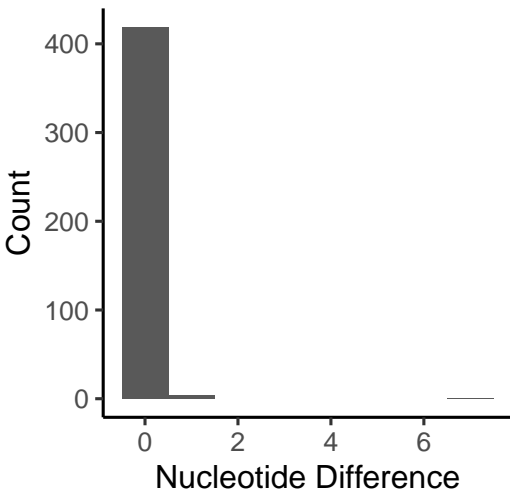
TRBV7-1*ap01_G291C_T

41 sequences assigned
41 (100%) exact matches, in which:
41 unique CDR3
11 unique J



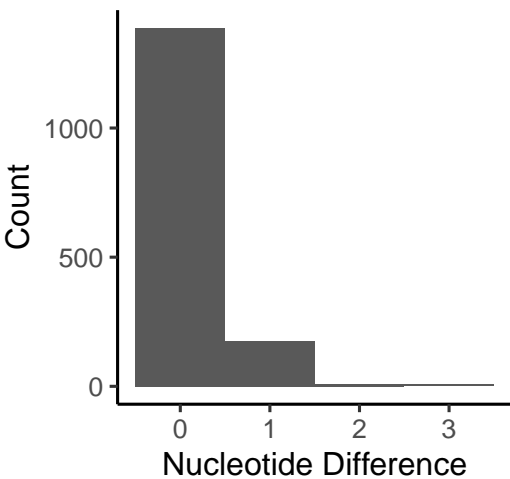
TRBV7-3*ap02

424 sequences assigned
419 (98.8%) exact matches, in which:
419 unique CDR3
13 unique J



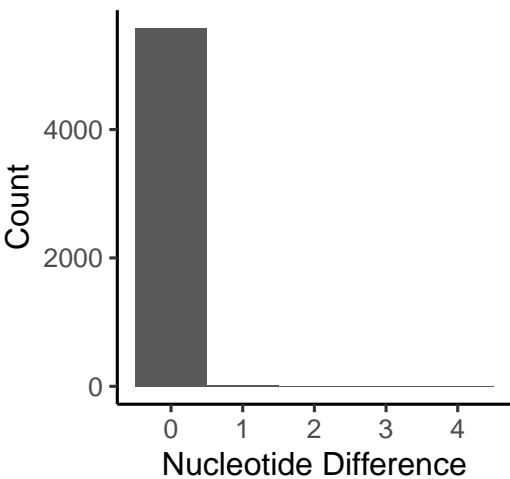
TRBV6-56*ap02

1579 sequences assigned
1387 (87.8%) exact matches, in which:
1361 unique CDR3
13 unique J



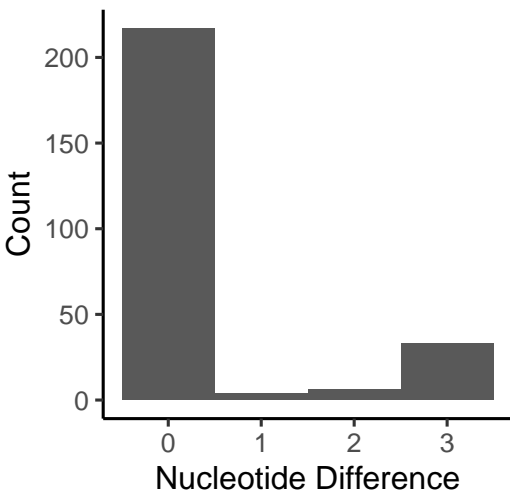
TRBV7-2*ap01

5611 sequences assigned
5581 (99.5%) exact matches, in which:
5523 unique CDR3
13 unique J



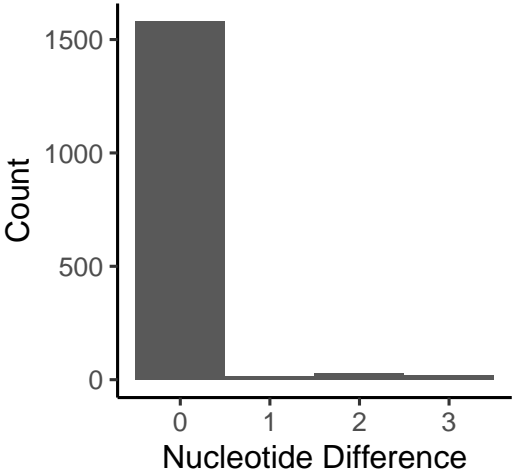
TRBV7-4*ap01

260 sequences assigned
217 (83.5%) exact matches, in which:
215 unique CDR3
13 unique J



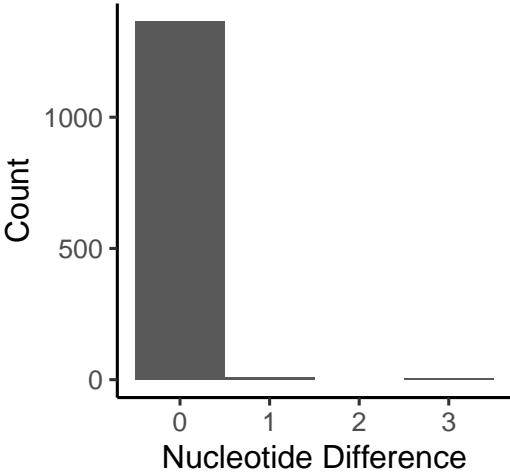
TRBV7-6*ap01

1645 sequences assigned
1580 (96%) exact matches, in which:
1572 unique CDR3
13 unique J



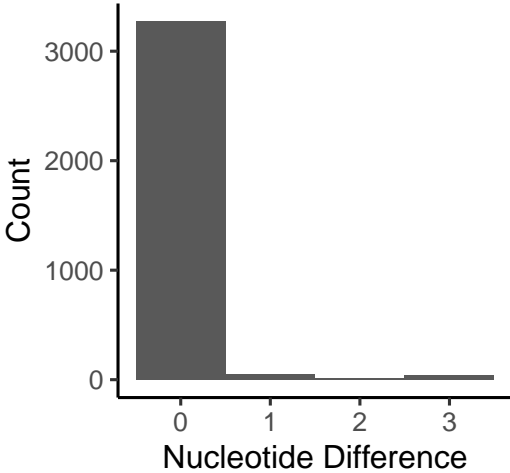
TRBV7-8*ap01

1378 sequences assigned
1365 (99.1%) exact matches, in which:
1354 unique CDR3
13 unique J



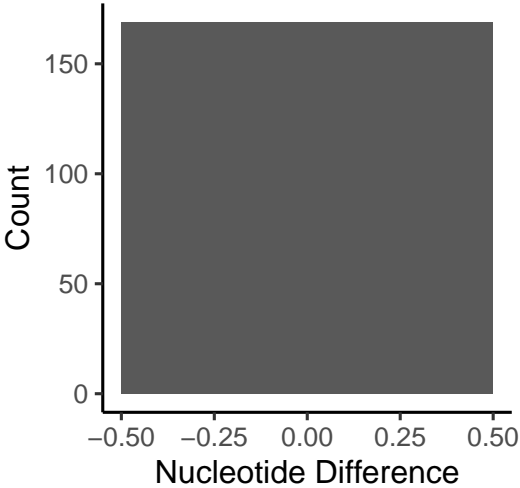
TRBV29-1*ap01

3370 sequences assigned
3272 (97.1%) exact matches, in which:
3195 unique CDR3
13 unique J



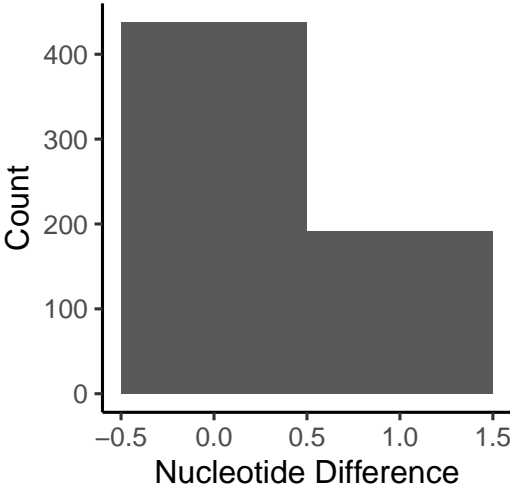
TRBV7-7*ap01_C307T_(

169 sequences assigned
169 (100%) exact matches, in which:
166 unique CDR3
12 unique J



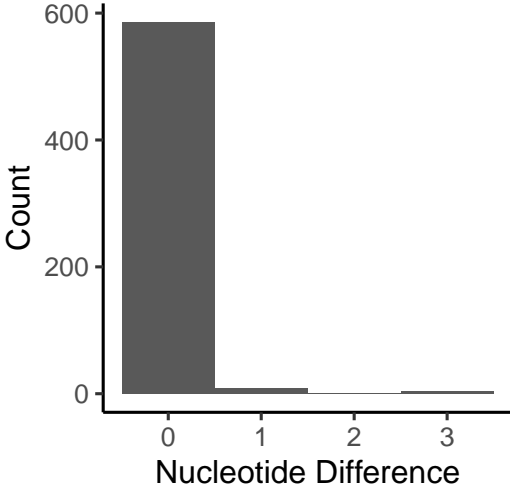
TRBV7-8*ap03

629 sequences assigned
438 (69.6%) exact matches, in which:
435 unique CDR3
13 unique J



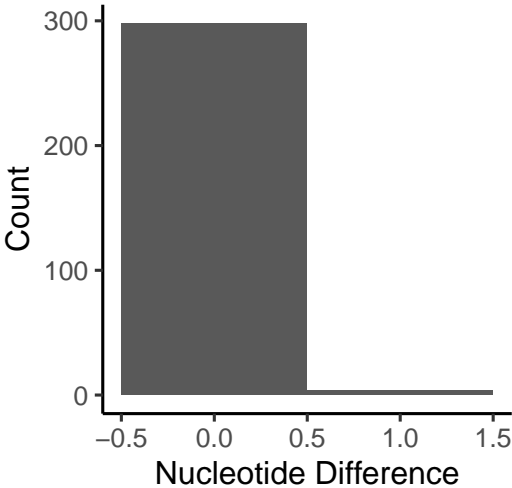
TRBV29-1*ap02

600 sequences assigned
586 (97.7%) exact matches, in which:
571 unique CDR3
13 unique J



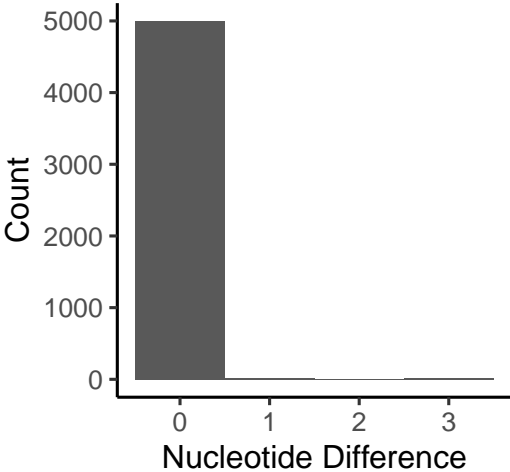
TRBV7-7*ap01_C315T

302 sequences assigned
298 (98.7%) exact matches, in which:
294 unique CDR3
13 unique J

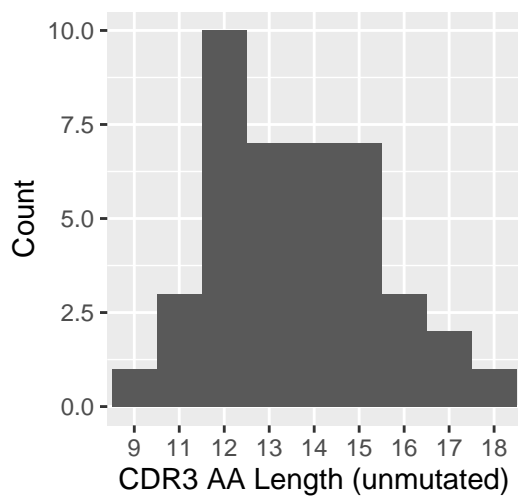


TRBV7-9*ap01

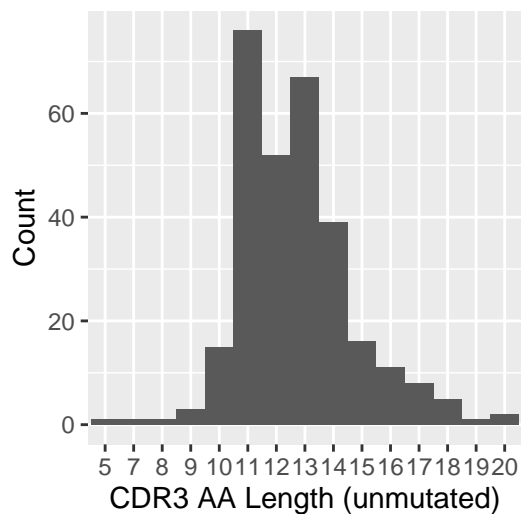
5040 sequences assigned
4998 (99.2%) exact matches, in which:
4941 unique CDR3
13 unique J



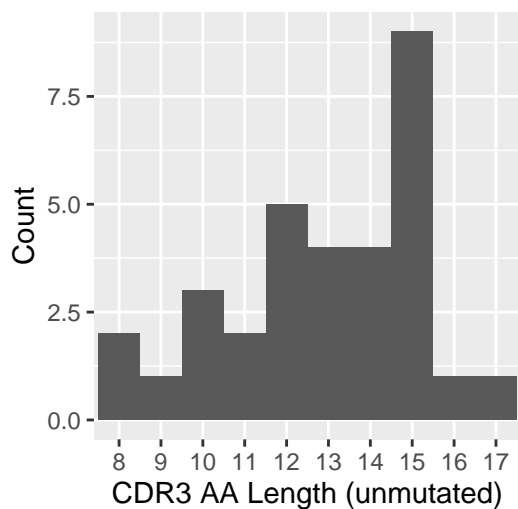
TRBV7-1*ap01_G291C_T2



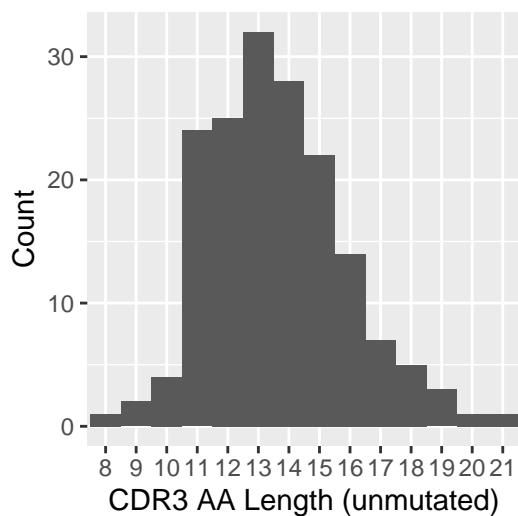
TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C307T_C315T





[illegible]