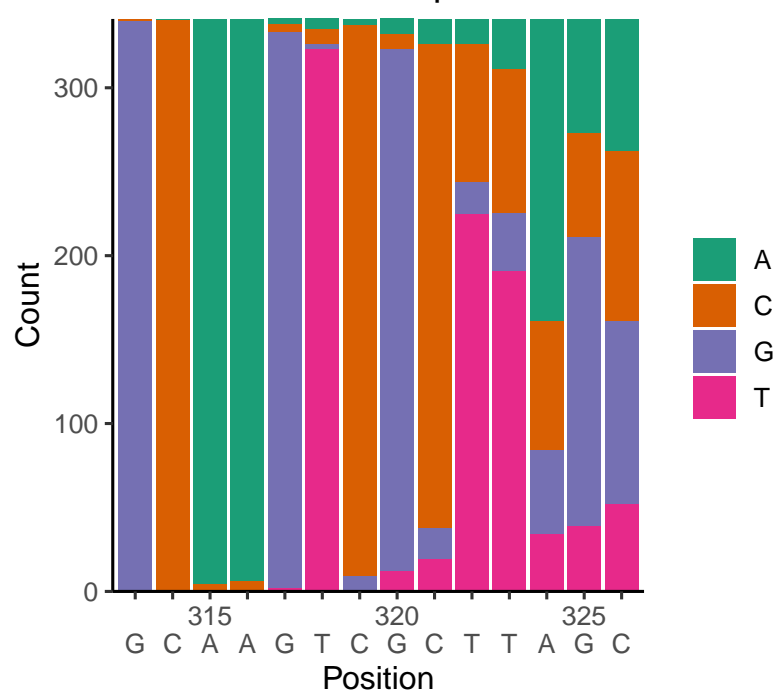
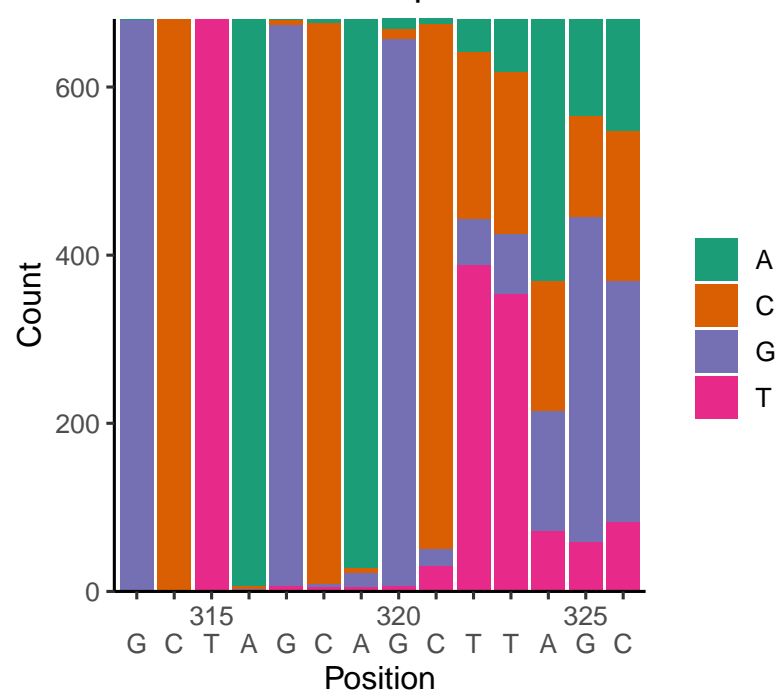


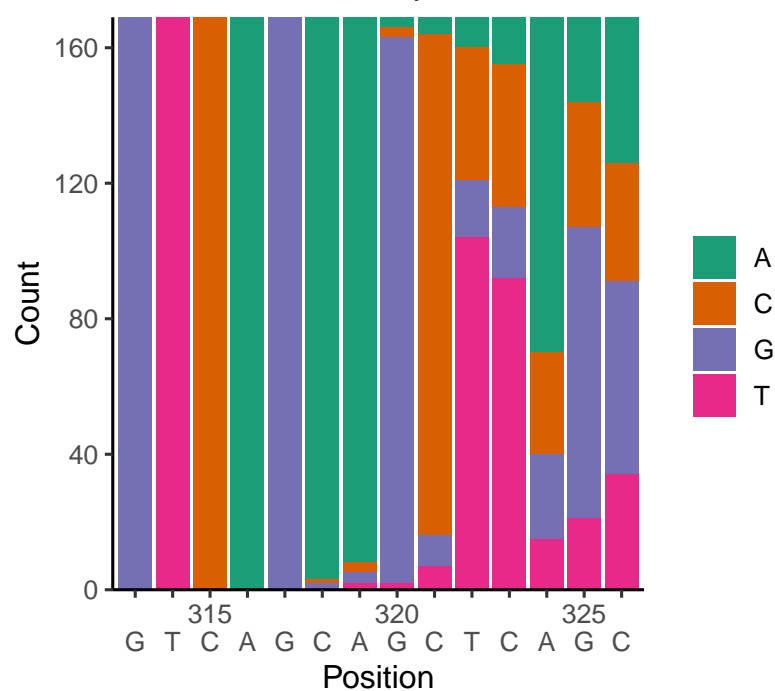
Gene TRBV12-2*ap01_G301A



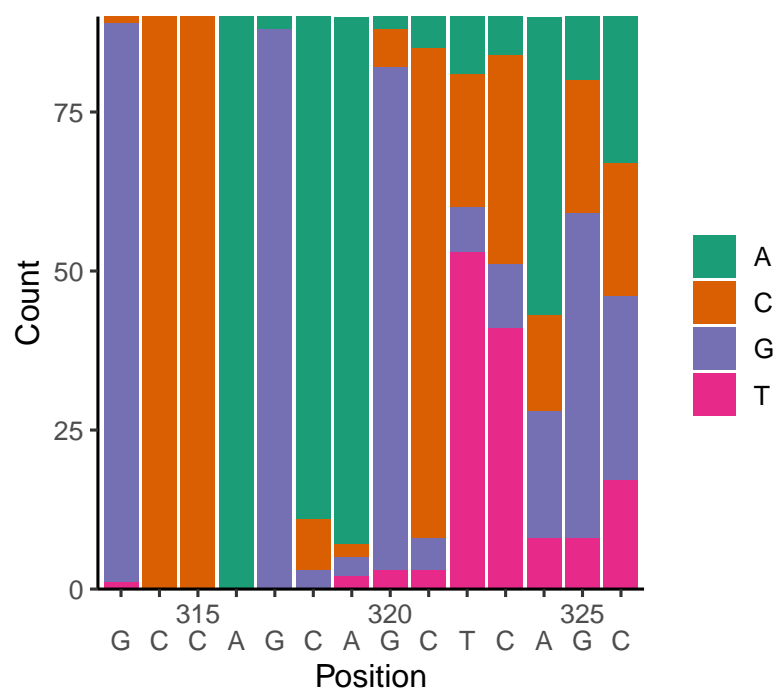
Gene TRBV7-7*ap01_C315T



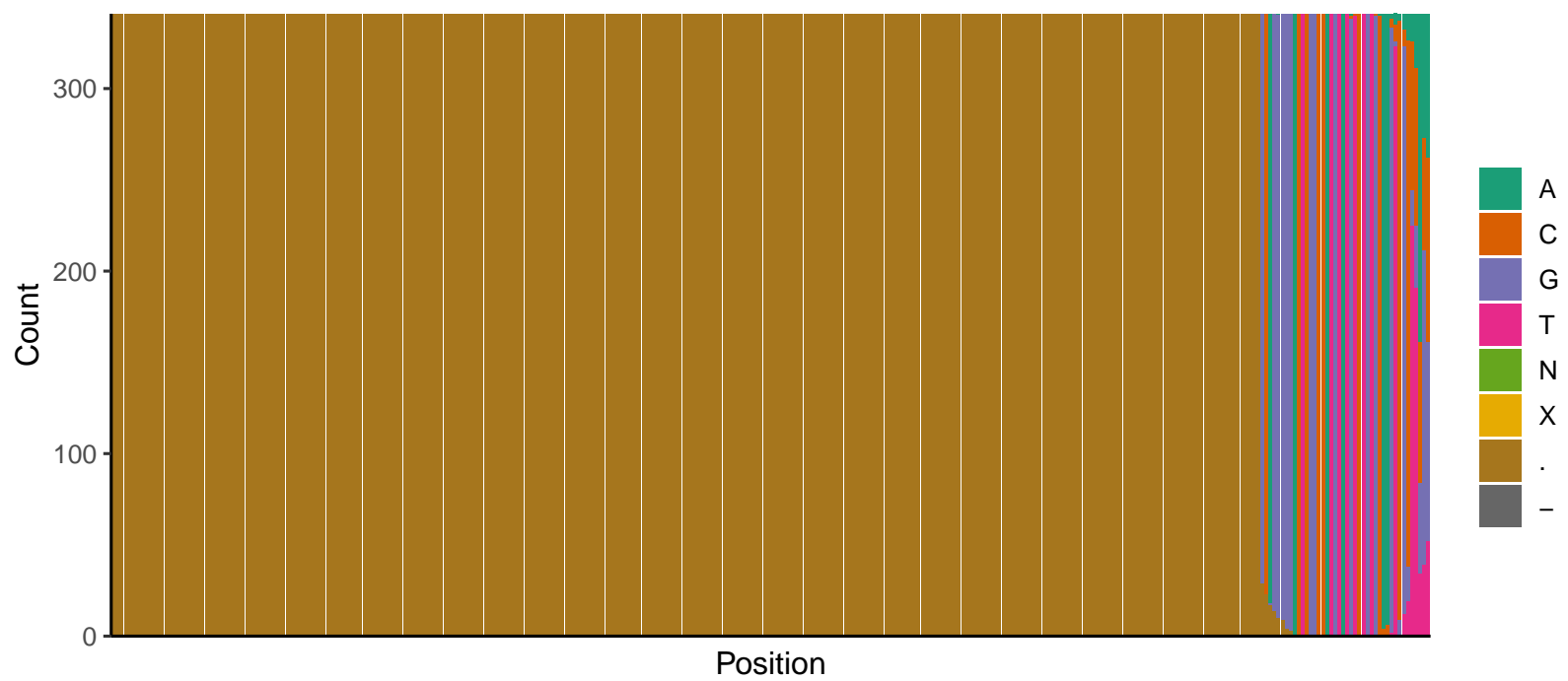
Gene TRBV7-1*ap01_G291C_T296C_C314T



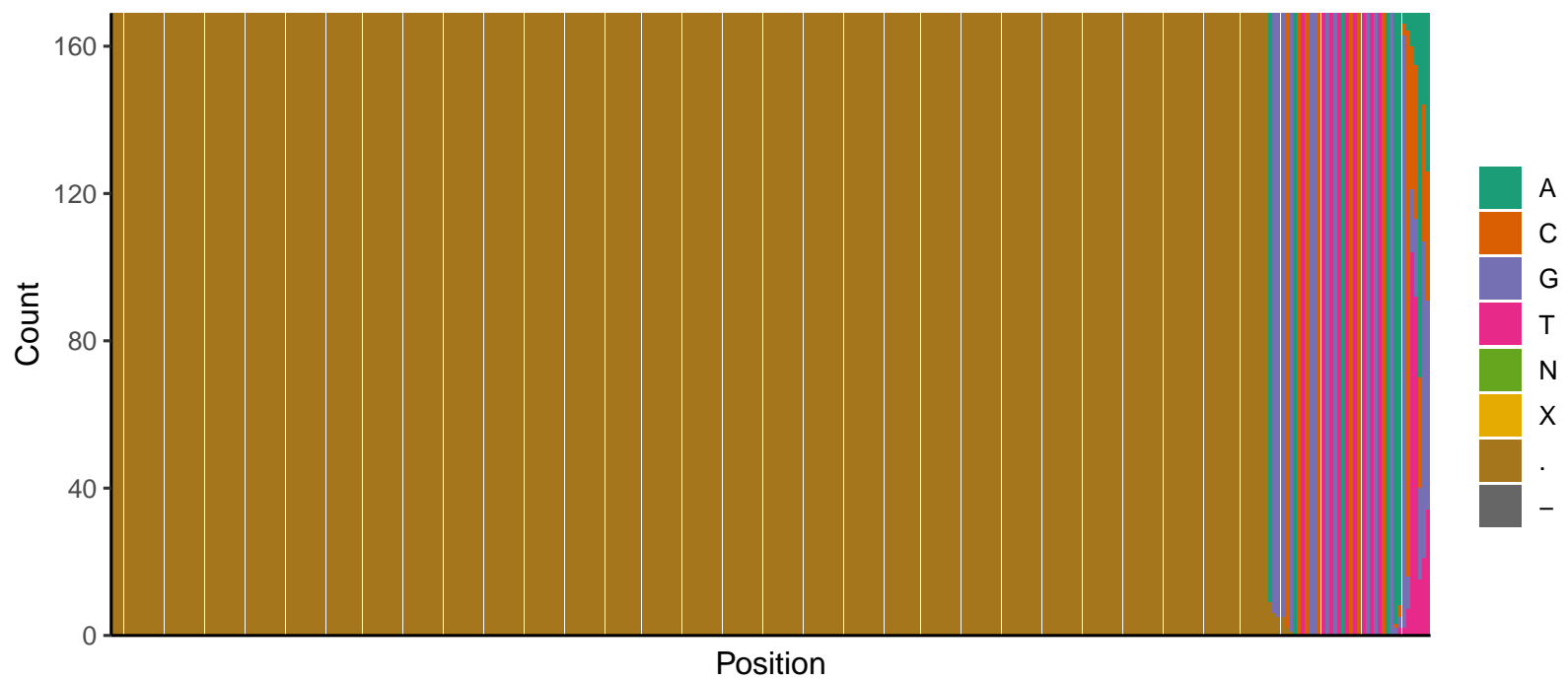
Gene TRBV7-1*ap01_G291C_T296C



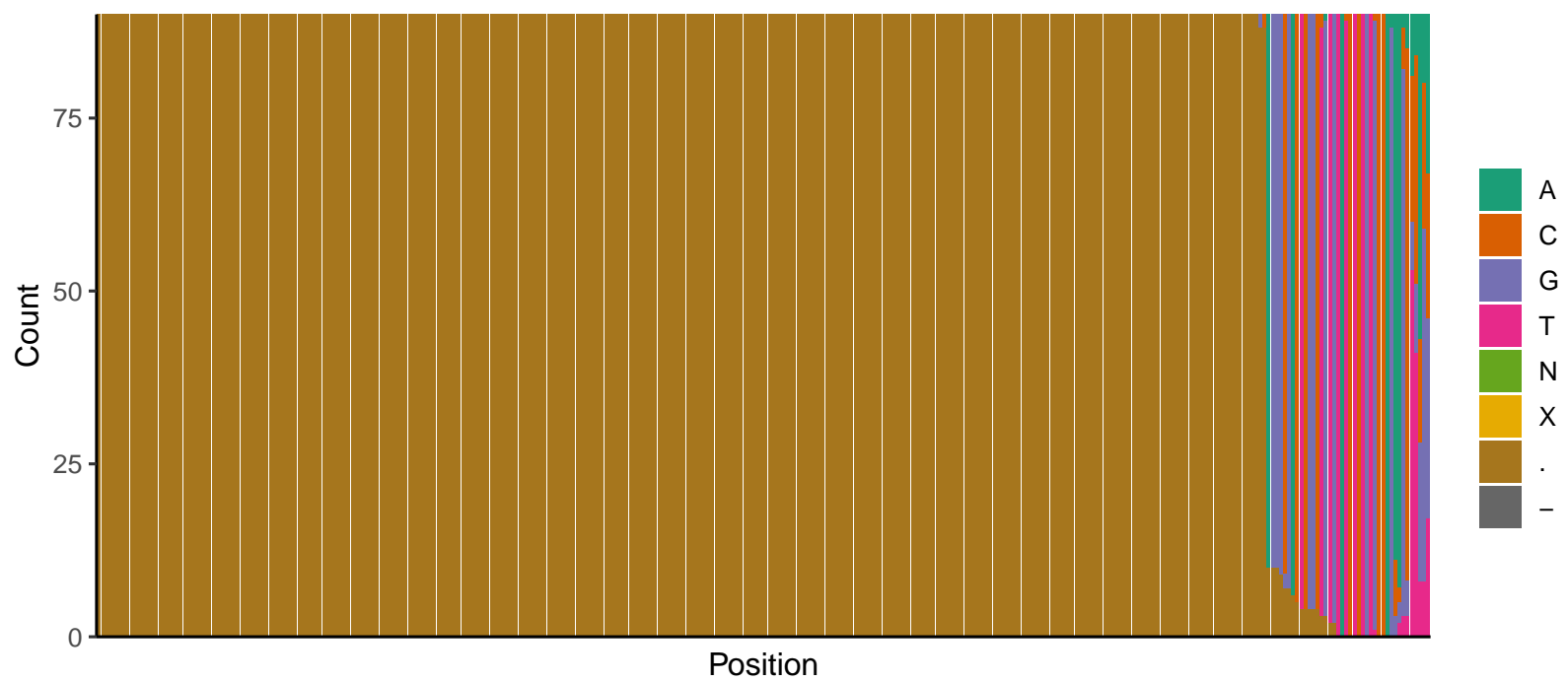
Gene TRBV12-2*ap01_G301A



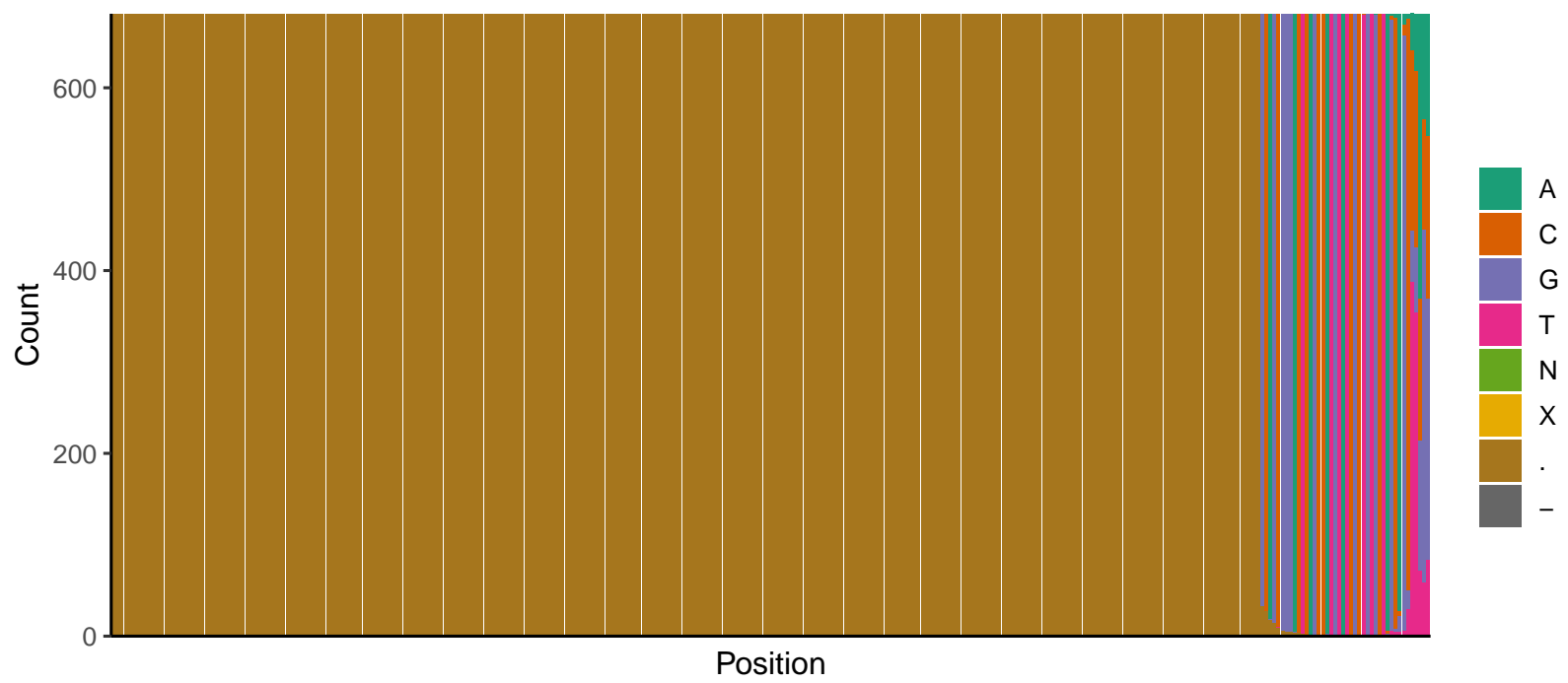
Gene TRBV7-1*ap01_G291C_T296C_C314T



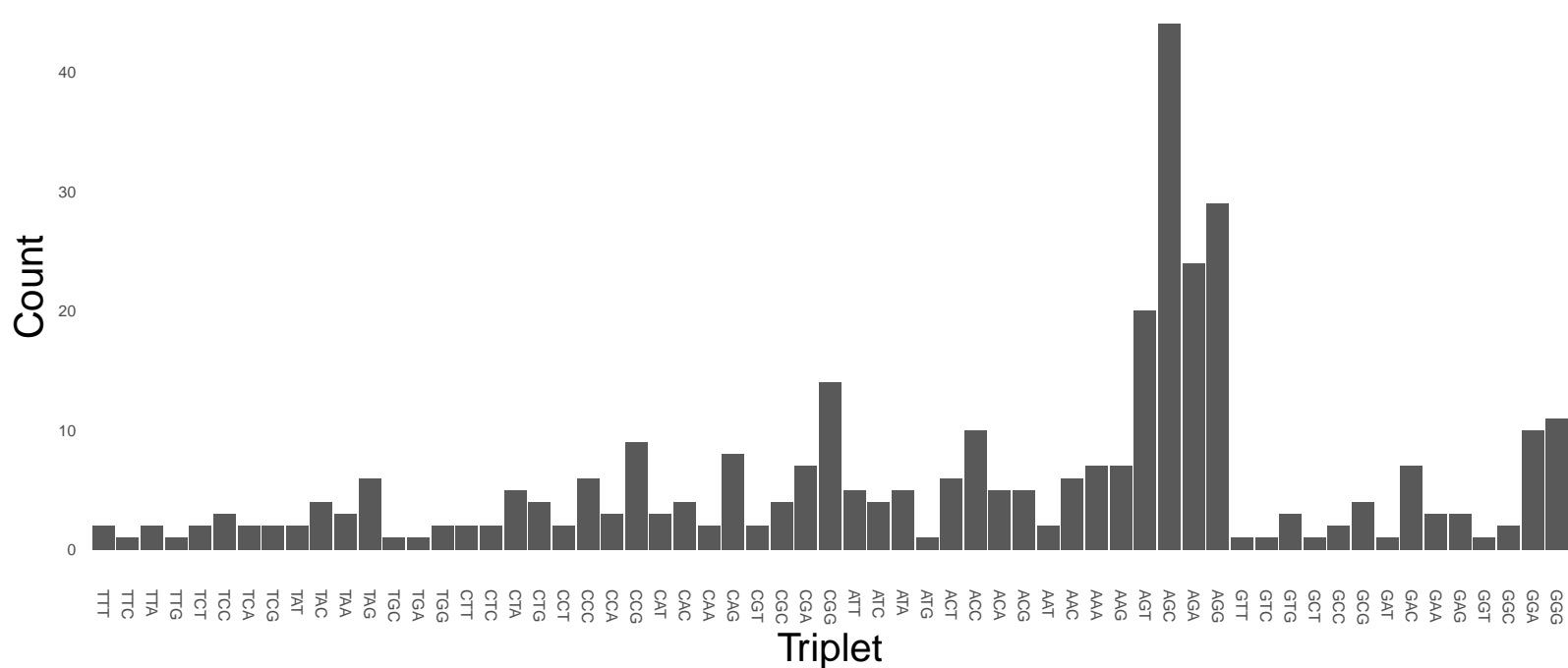
Gene TRBV7-1*ap01_G291C_T296C



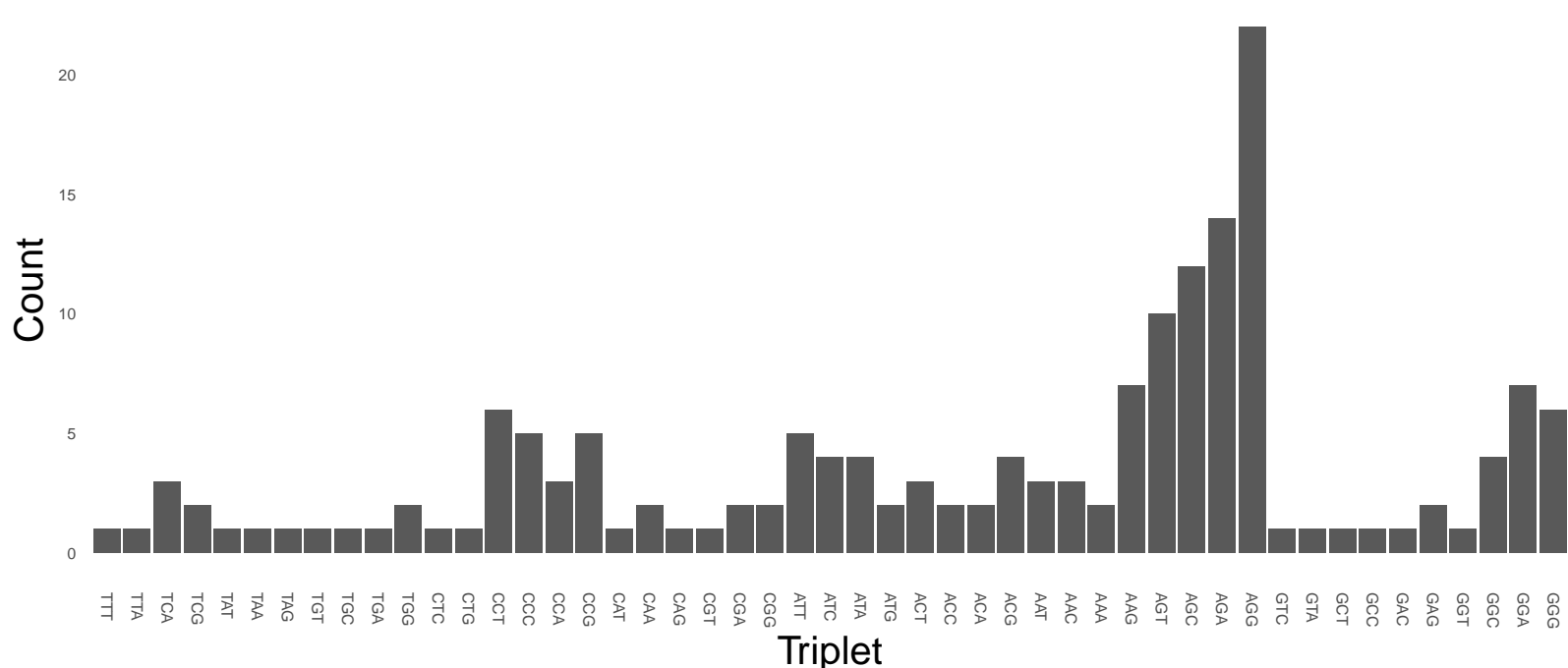
Gene TRBV7-7*ap01_C315T



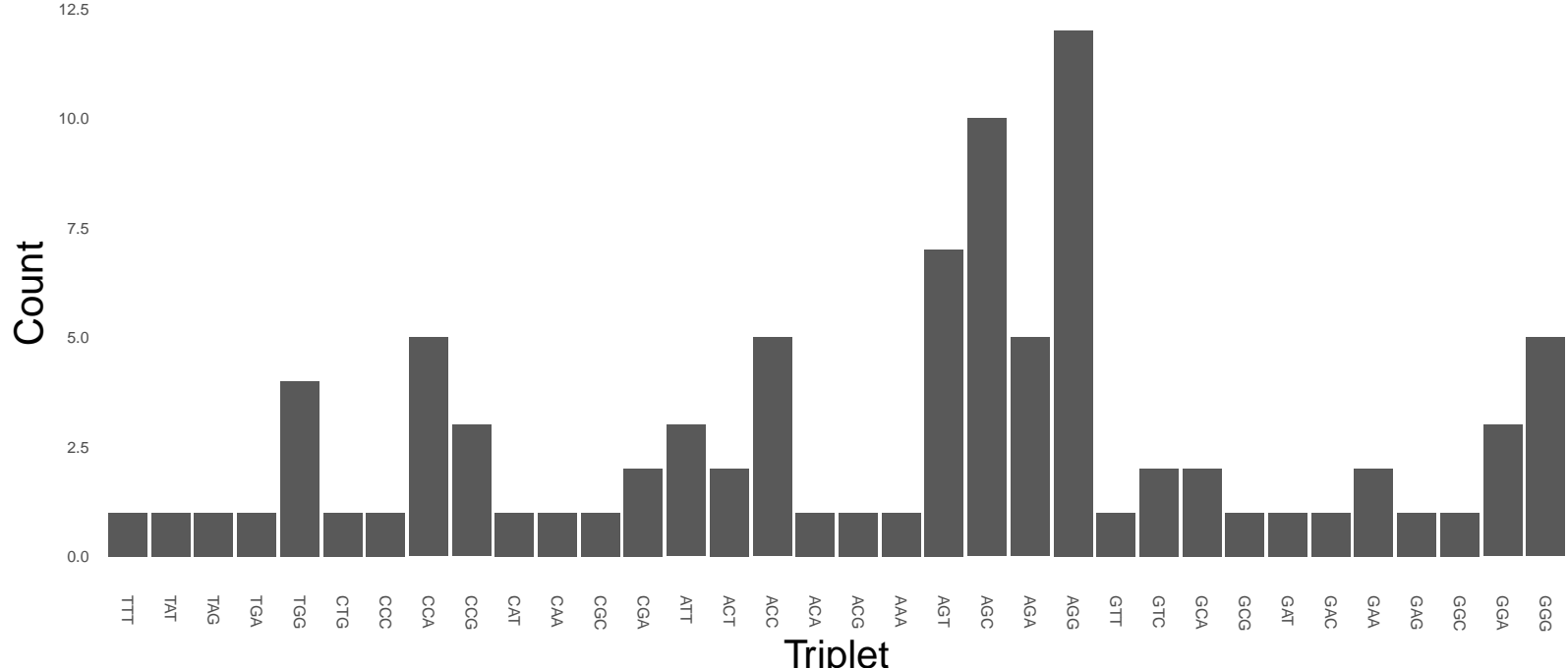
TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet



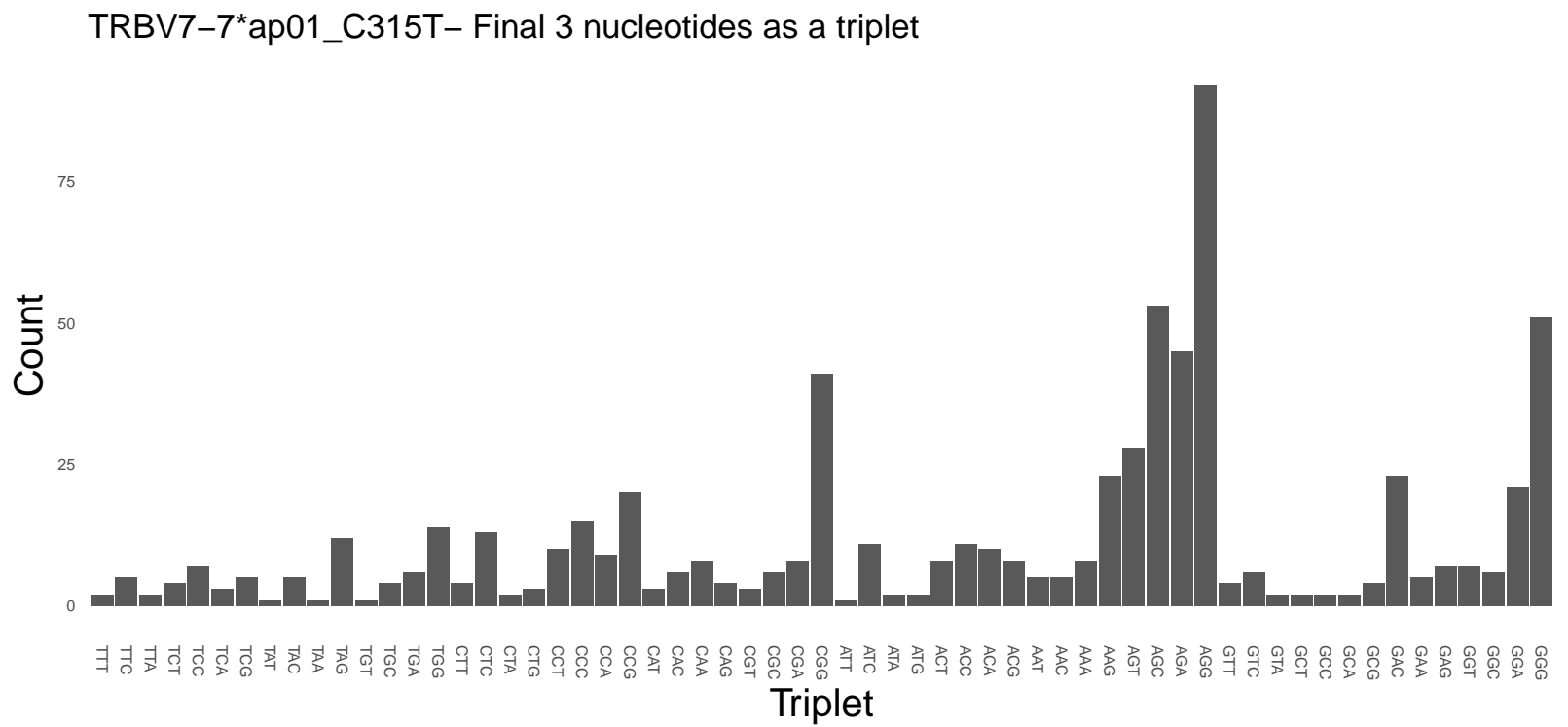
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

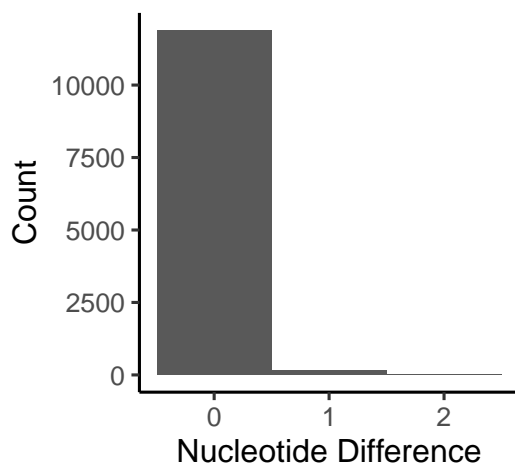


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



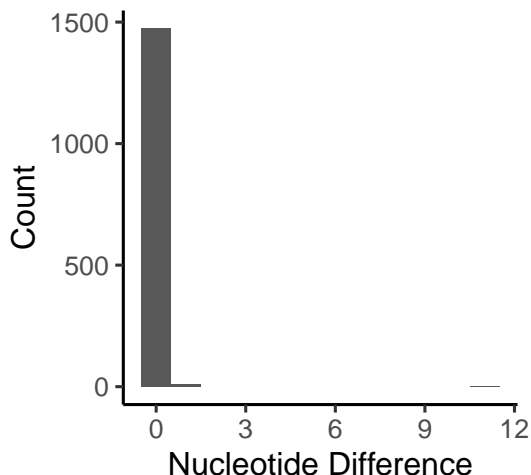
TRBV20-1*ap01

12051 sequences assigned
11894 (98.7%) exact matches, in which:
11658 unique CDR3
13 unique J



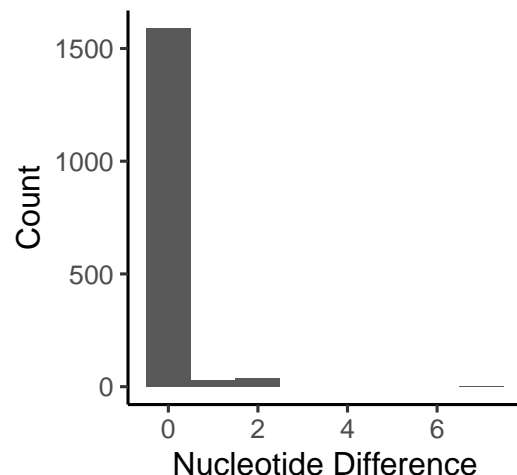
TRBV10-2*ap01

1485 sequences assigned
1474 (99.3%) exact matches, in which:
1443 unique CDR3
13 unique J



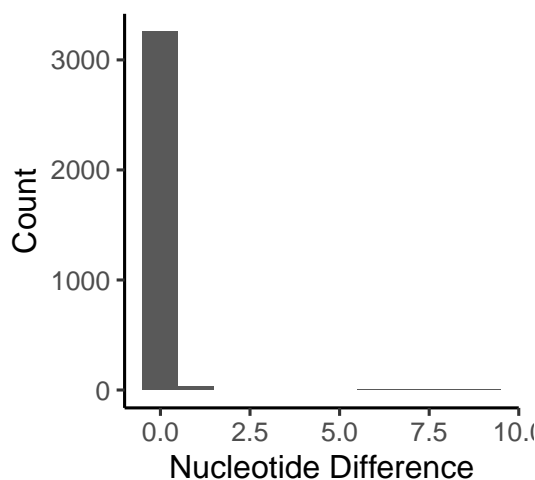
TRBV13*ap01

1654 sequences assigned
1589 (96.1%) exact matches, in which:
1535 unique CDR3
13 unique J



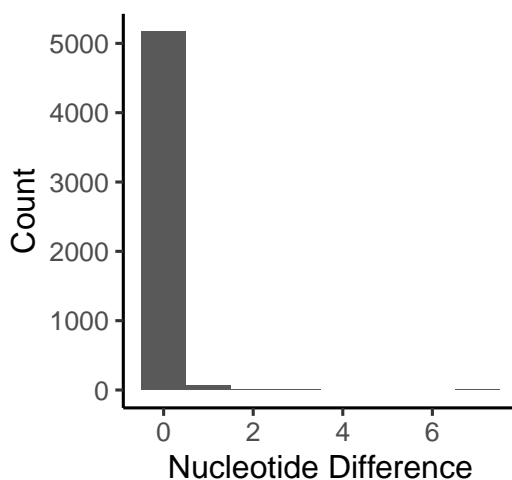
TRBV10-1*ap01

3295 sequences assigned
3256 (98.8%) exact matches, in which:
3146 unique CDR3
13 unique J



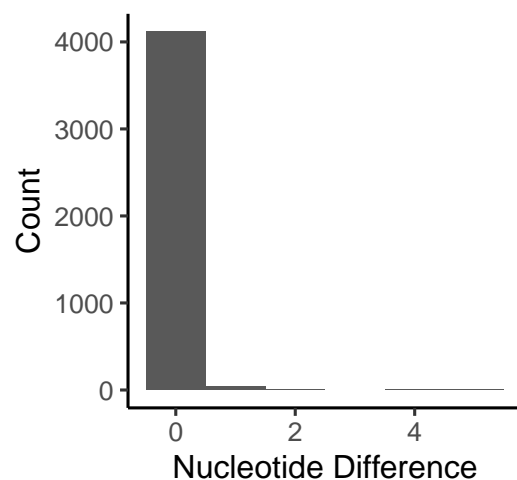
TRBV10-3*ap01

5233 sequences assigned
5168 (98.8%) exact matches, in which:
5013 unique CDR3
13 unique J



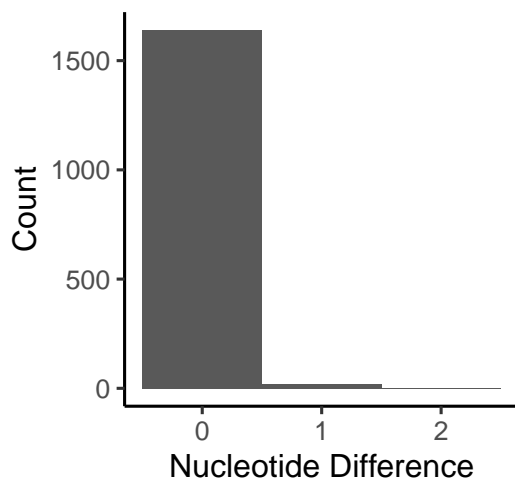
TRBV14*ap01

4157 sequences assigned
4117 (99%) exact matches, in which:
4039 unique CDR3
13 unique J



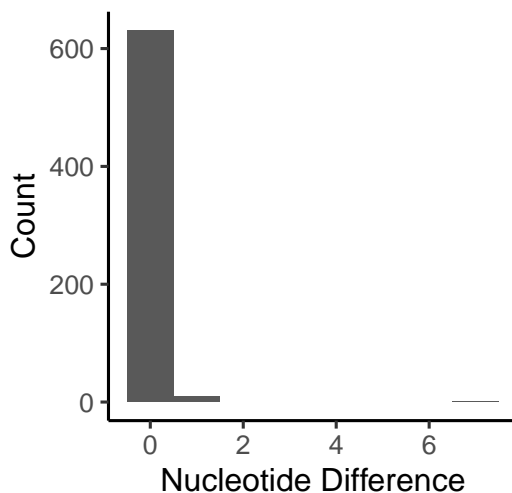
TRBV20-1*ap02

1661 sequences assigned
1640 (98.7%) exact matches, in which:
1598 unique CDR3
13 unique J



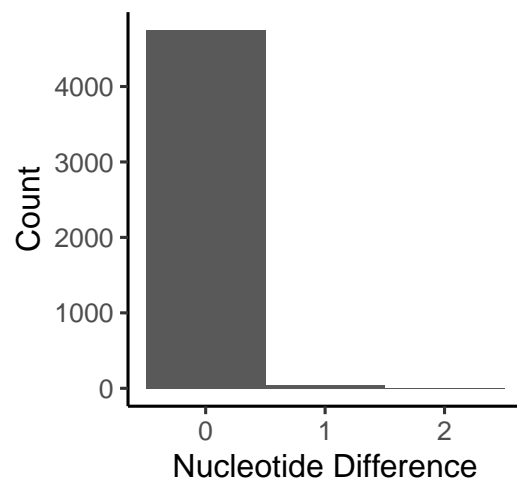
TRBV1*ap01

642 sequences assigned
631 (98.3%) exact matches, in which:
611 unique CDR3
13 unique J



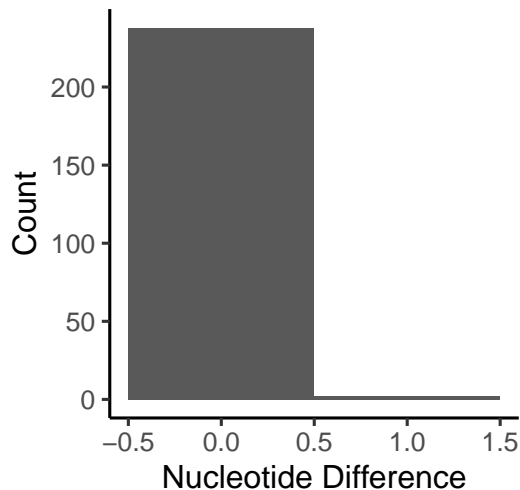
TRBV15*ap02

4796 sequences assigned
4748 (99%) exact matches, in which:
4621 unique CDR3
13 unique J



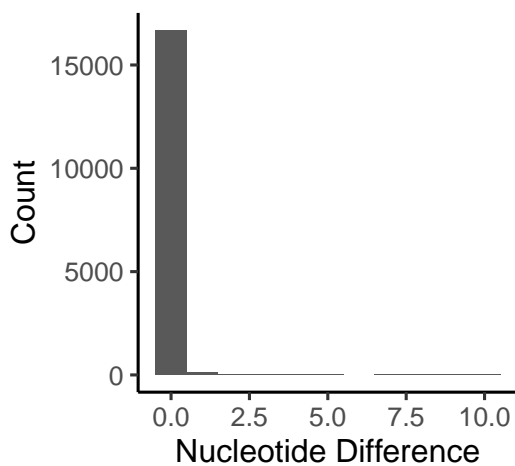
TRBV16*ap01

240 sequences assigned
238 (99.2%) exact matches, in which:
235 unique CDR3
13 unique J



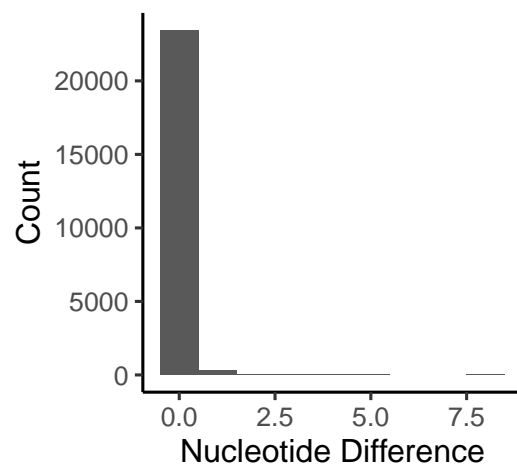
TRBV19*ap01

16852 sequences assigned
16686 (99%) exact matches, in which:
16486 unique CDR3
13 unique J



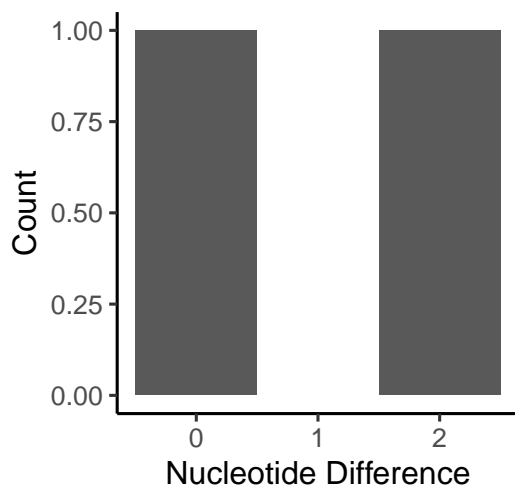
TRBV27*ap01

23775 sequences assigned
23451 (98.6%) exact matches, in which:
22820 unique CDR3
13 unique J



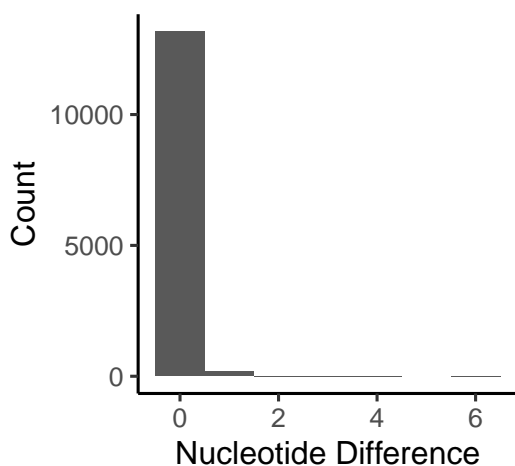
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



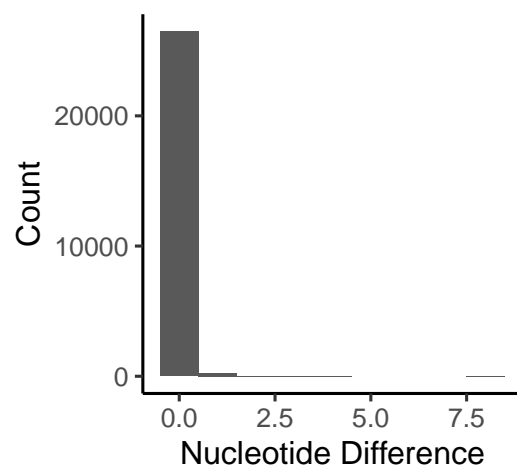
TRBV2*ap01

13359 sequences assigned
13174 (98.6%) exact matches, in which:
12827 unique CDR3
13 unique J



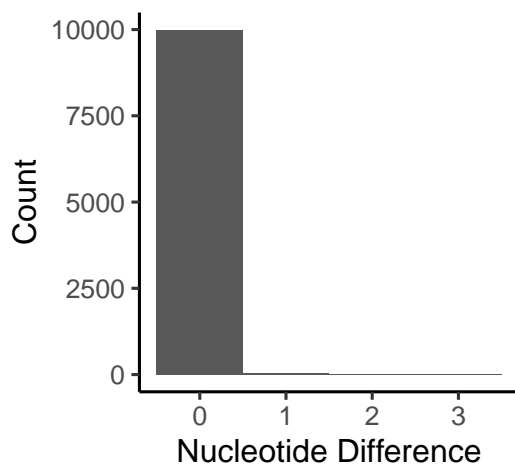
TRBV28*ap01

26743 sequences assigned
26480 (99%) exact matches, in which:
25969 unique CDR3
13 unique J



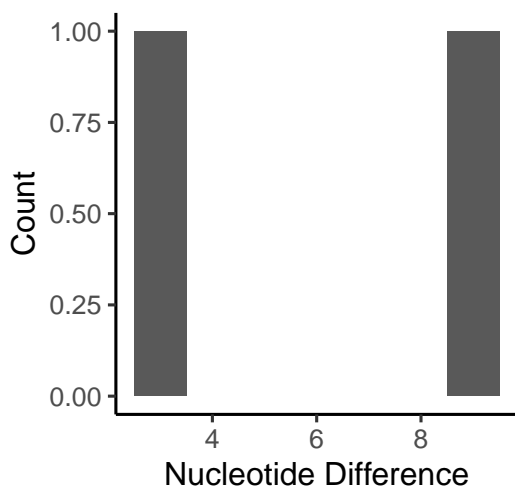
TRBV18*ap01

10053 sequences assigned
9993 (99.4%) exact matches, in which:
9882 unique CDR3
13 unique J



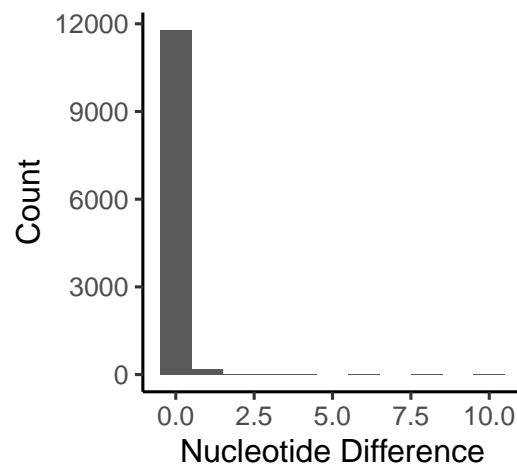
TRBV26*ap01

2 sequences assigned
No exact matches.



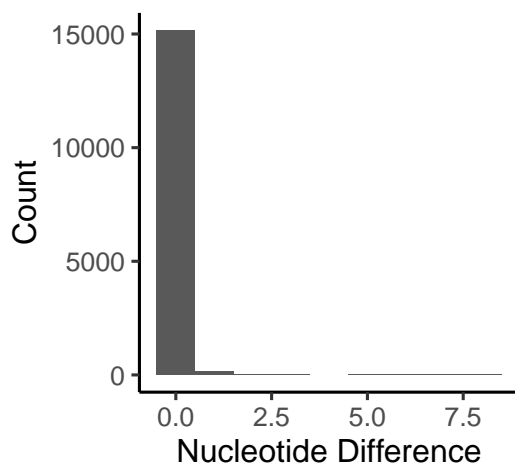
TRBV30*ap01

11984 sequences assigned
11796 (98.4%) exact matches, in which:
11562 unique CDR3
13 unique J



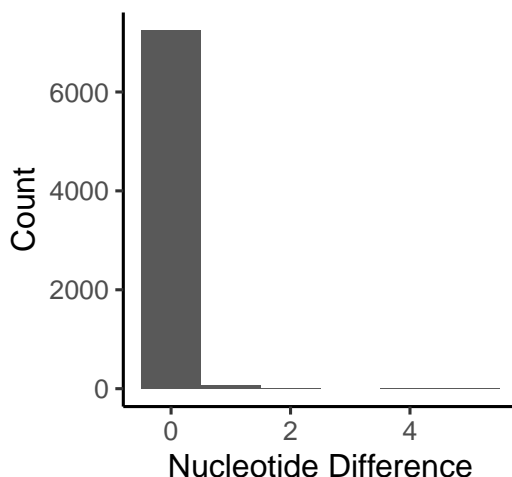
TRBV9*ap01

15354 sequences assigned
15169 (98.8%) exact matches, in which:
14876 unique CDR3
13 unique J



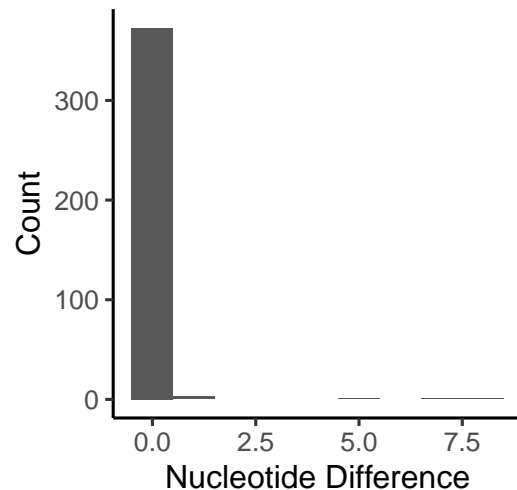
TRBV11-2*ap01

7330 sequences assigned
7245 (98.8%) exact matches, in which:
7064 unique CDR3
13 unique J



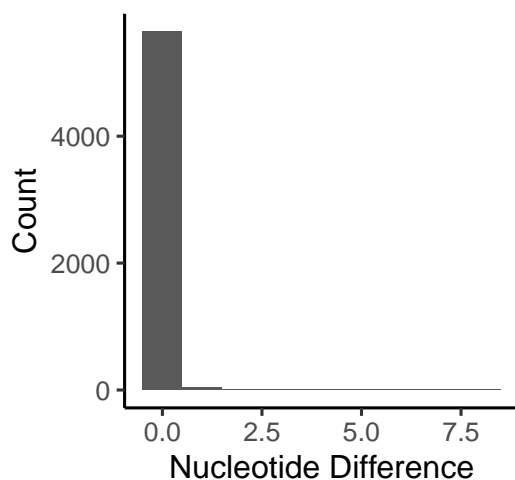
TRBV12-2*ap01

379 sequences assigned
373 (98.4%) exact matches, in which:
367 unique CDR3
13 unique J



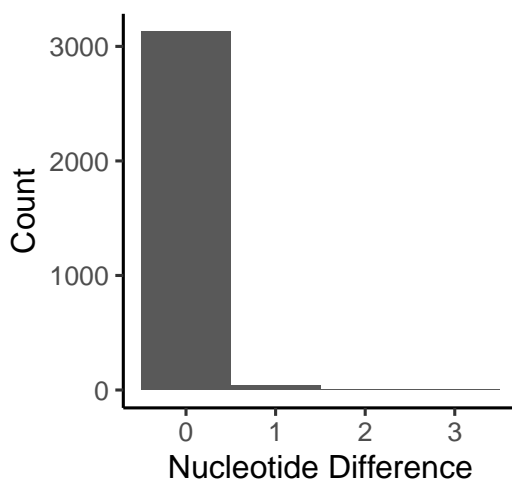
TRBV21-1*ap01

5717 sequences assigned
5647 (98.8%) exact matches, in which:
5555 unique CDR3
13 unique J



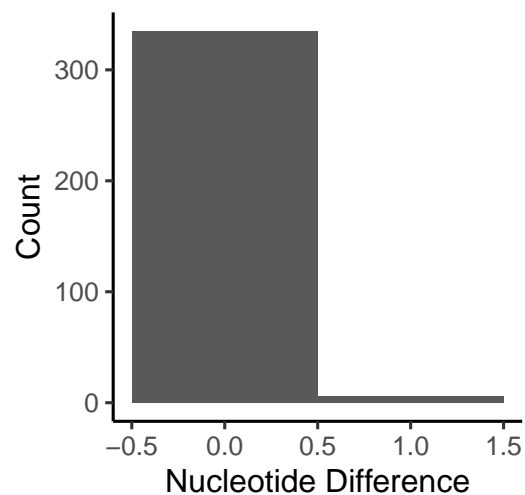
TRBV11-3*ap01

3173 sequences assigned
3128 (98.6%) exact matches, in which:
3071 unique CDR3
13 unique J



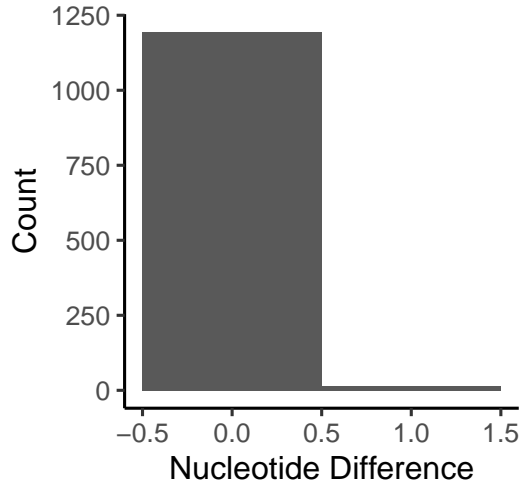
TRBV12-2*ap01_G301A

341 sequences assigned
335 (98.2%) exact matches, in which:
327 unique CDR3
13 unique J



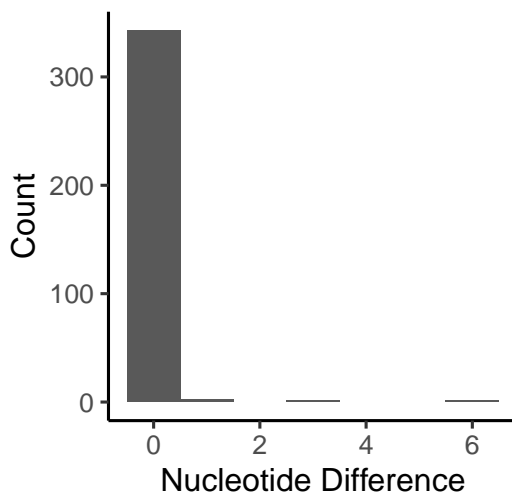
TRBV11-1*ap01

1208 sequences assigned
1194 (98.8%) exact matches, in which:
1159 unique CDR3
13 unique J



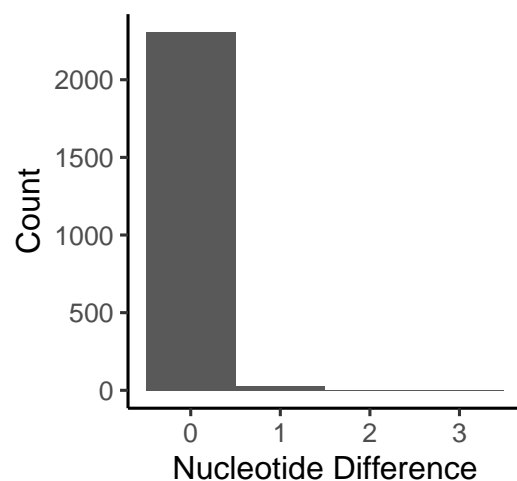
TRBV12-1*ap01

347 sequences assigned
343 (98.8%) exact matches, in which:
336 unique CDR3
13 unique J



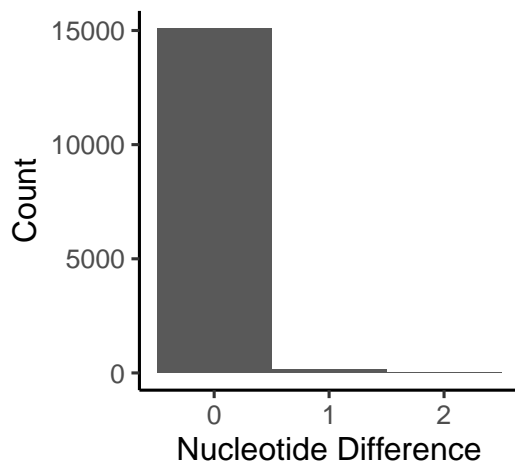
TRBV12-5*ap01

2340 sequences assigned
2307 (98.6%) exact matches, in which:
2255 unique CDR3
13 unique J



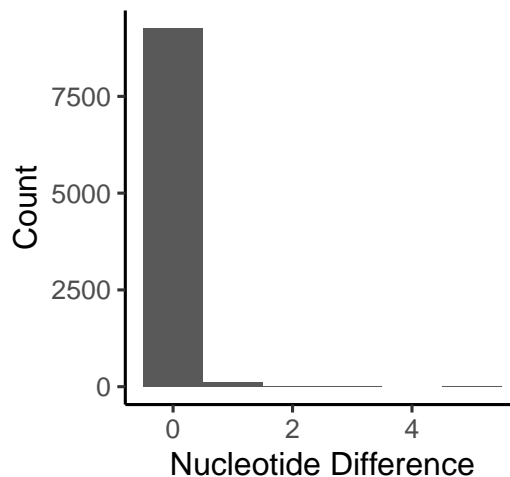
TRBV12-34*ap01

15273 sequences assigned
15103 (98.9%) exact matches, in which:
14768 unique CDR3
13 unique J



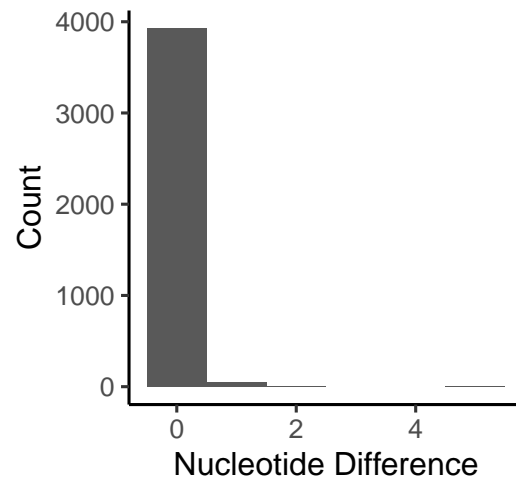
TRBV4-1*ap01

9373 sequences assigned
9256 (98.8%) exact matches, in which:
8974 unique CDR3
13 unique J



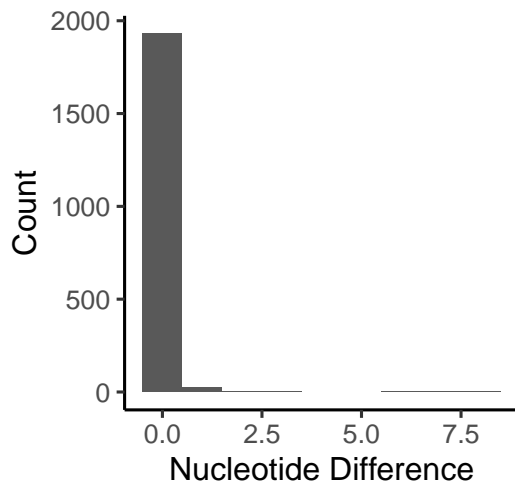
TRBV25-1*ap01

3978 sequences assigned
3927 (98.7%) exact matches, in which:
3835 unique CDR3
13 unique J



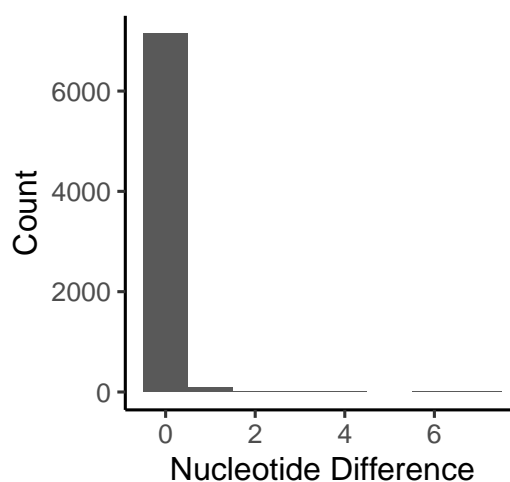
TRBV23-1*ap01

1963 sequences assigned
1930 (98.3%) exact matches, in which:
1880 unique CDR3
13 unique J



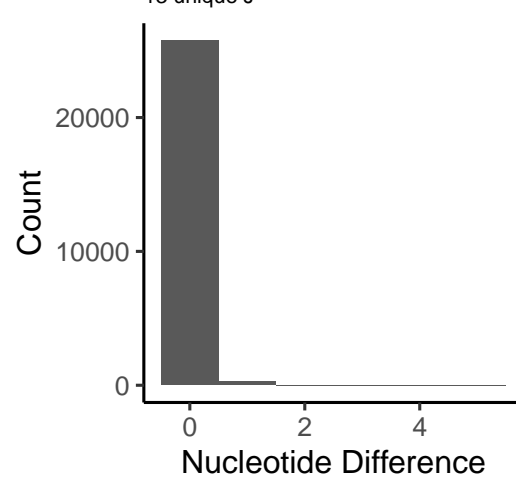
TRBV24-1*ap01

7241 sequences assigned
7143 (98.6%) exact matches, in which:
6995 unique CDR3
13 unique J



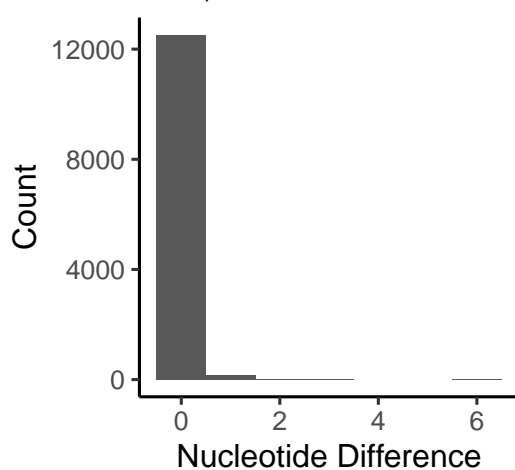
TRBV5-1*ap01

26060 sequences assigned
25757 (98.8%) exact matches, in which:
25040 unique CDR3
13 unique J



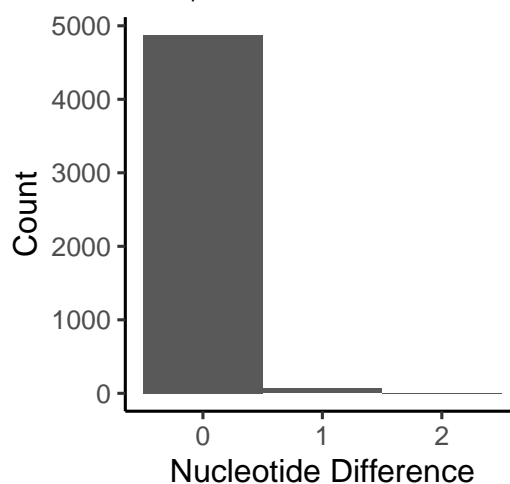
TRBV3-12*ap01

12682 sequences assigned
12521 (98.7%) exact matches, in which:
12207 unique CDR3
13 unique J



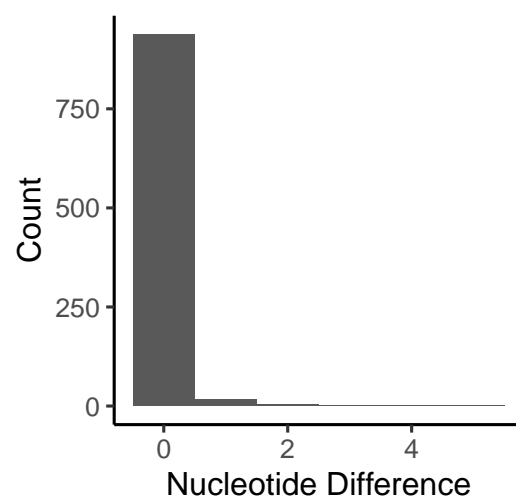
TRBV4-2*ap01

4943 sequences assigned
4874 (98.6%) exact matches, in which:
4722 unique CDR3
13 unique J



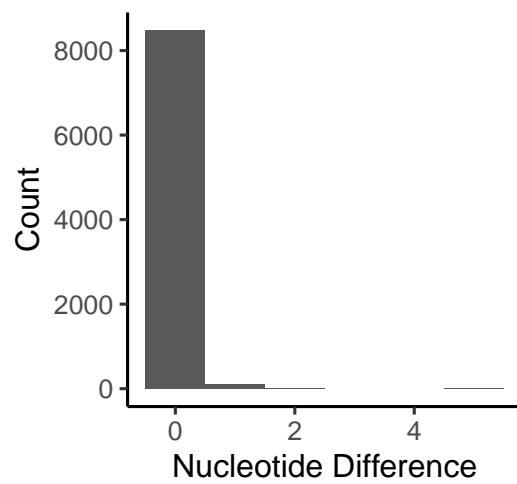
TRBV5-3*ap01

960 sequences assigned
938 (97.7%) exact matches, in which:
924 unique CDR3
13 unique J



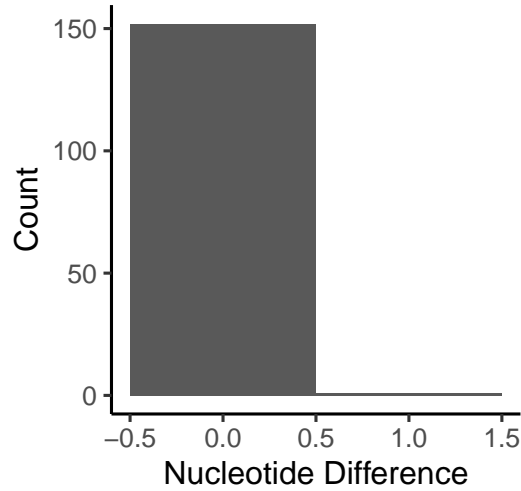
TRBV5-4*ap01

8579 sequences assigned
8476 (98.8%) exact matches, in which:
8224 unique CDR3
13 unique J



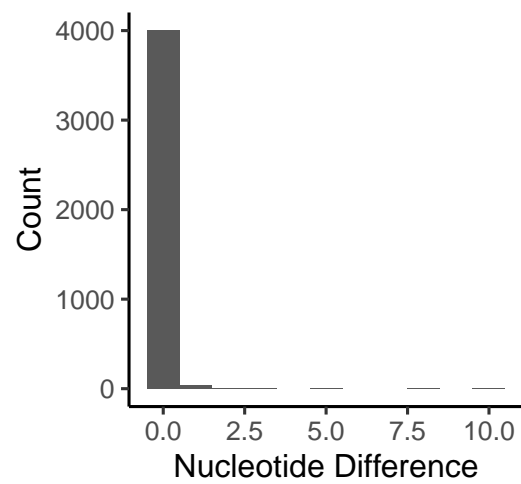
TRBV5-7*ap01

153 sequences assigned
152 (99.3%) exact matches, in which:
149 unique CDR3
13 unique J



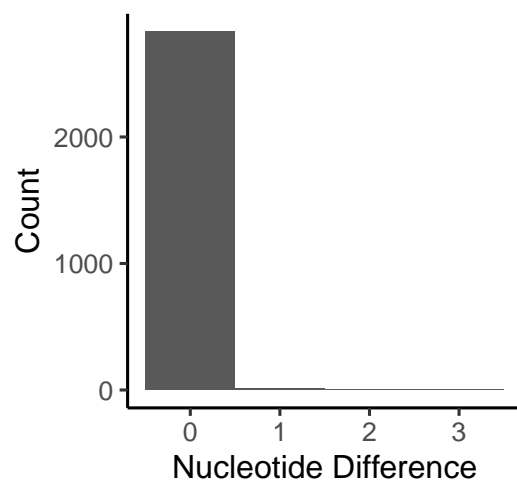
TRBV6-4*ap01

4050 sequences assigned
4002 (98.8%) exact matches, in which:
3923 unique CDR3
13 unique J



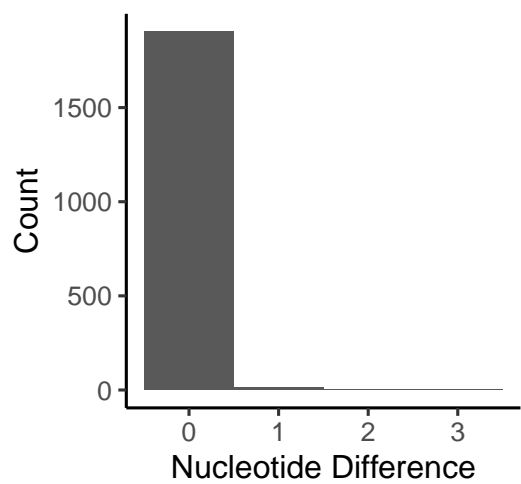
TRBV5-5*ap01

2848 sequences assigned
2832 (99.4%) exact matches, in which:
2809 unique CDR3
13 unique J



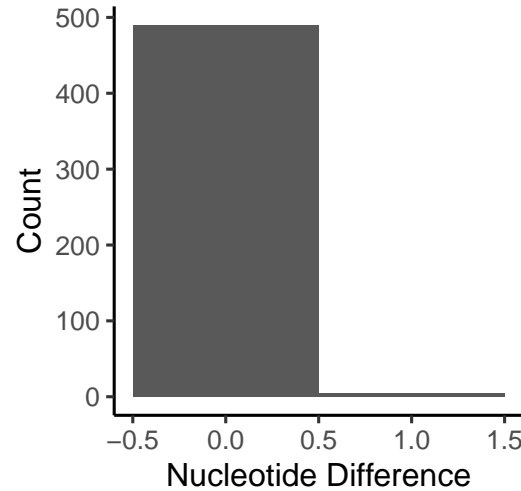
TRBV5-8*ap01

1917 sequences assigned
1903 (99.3%) exact matches, in which:
1869 unique CDR3
13 unique J



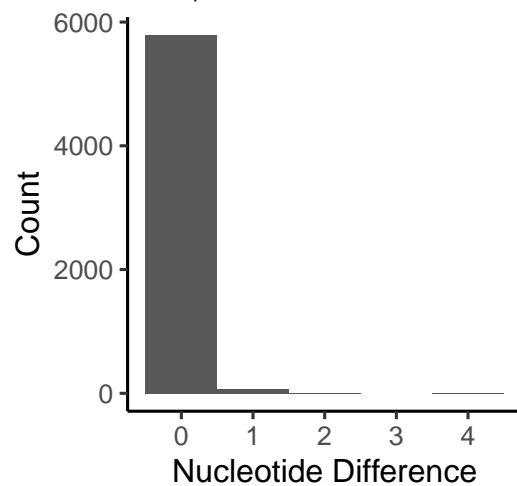
TRBV6-7*ap01

494 sequences assigned
490 (99.2%) exact matches, in which:
470 unique CDR3
13 unique J



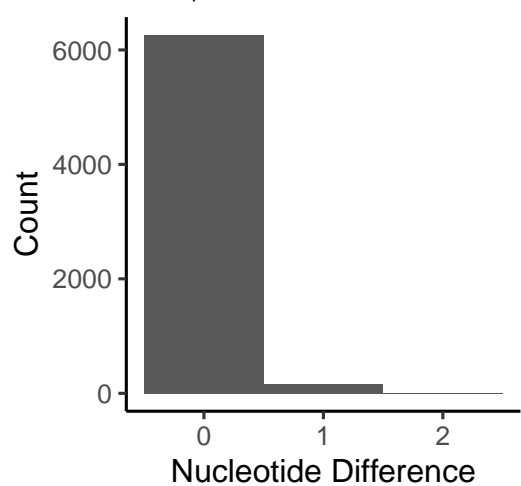
TRBV5-6*ap01

5864 sequences assigned
5790 (98.7%) exact matches, in which:
5623 unique CDR3
13 unique J



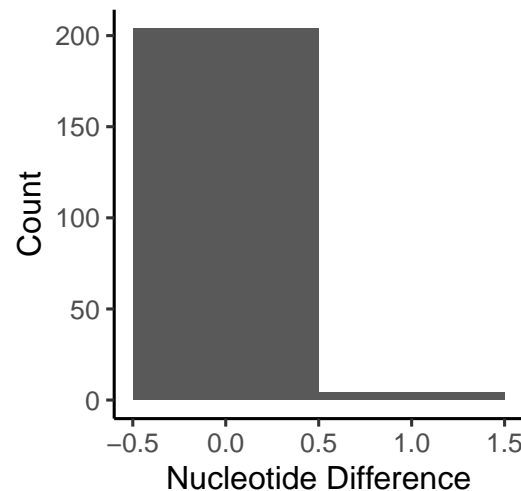
TRBV6-1*ap01

6426 sequences assigned
6260 (97.4%) exact matches, in which:
6082 unique CDR3
13 unique J



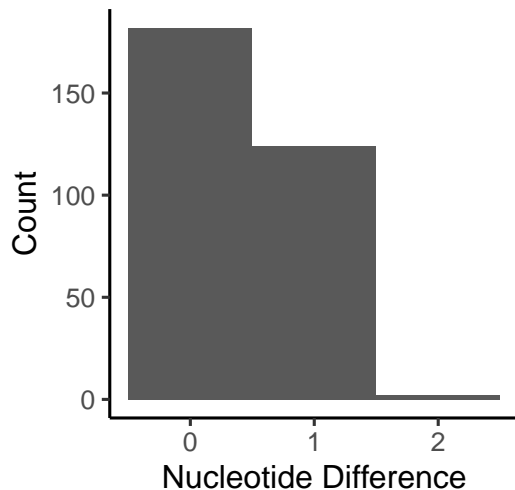
TRBV6-8*ap01

208 sequences assigned
204 (98.1%) exact matches, in which:
194 unique CDR3
13 unique J



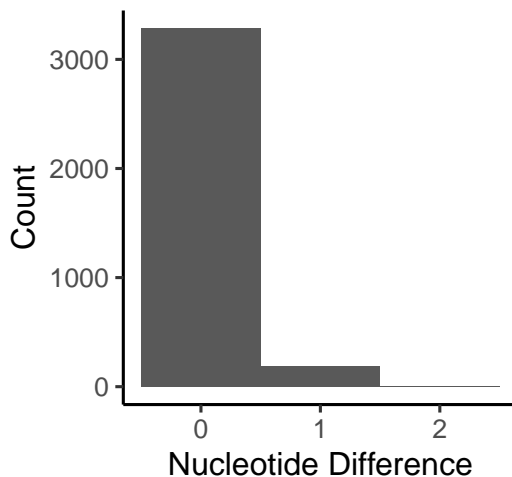
TRBV6–9*ap01

308 sequences assigned
182 (59.1%) exact matches, in which:
177 unique CDR3
13 unique J



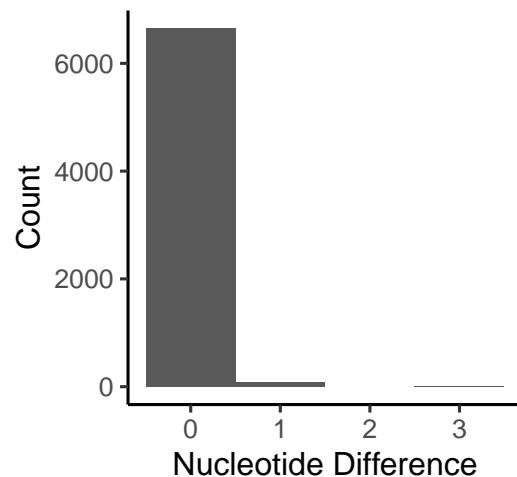
TRBV6–56*ap02

3481 sequences assigned
3284 (94.3%) exact matches, in which:
3184 unique CDR3
13 unique J



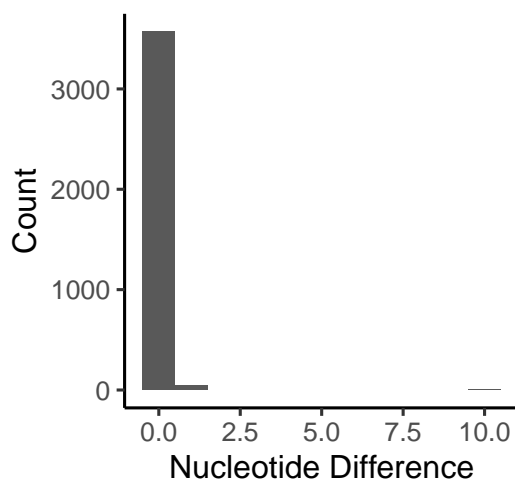
TRBV7–2*ap01

6726 sequences assigned
6648 (98.8%) exact matches, in which:
6530 unique CDR3
13 unique J



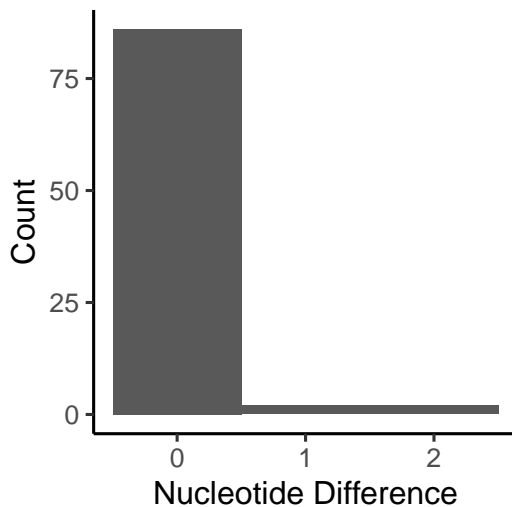
TRBV6–23*ap01

3620 sequences assigned
3570 (98.6%) exact matches, in which:
3451 unique CDR3
13 unique J



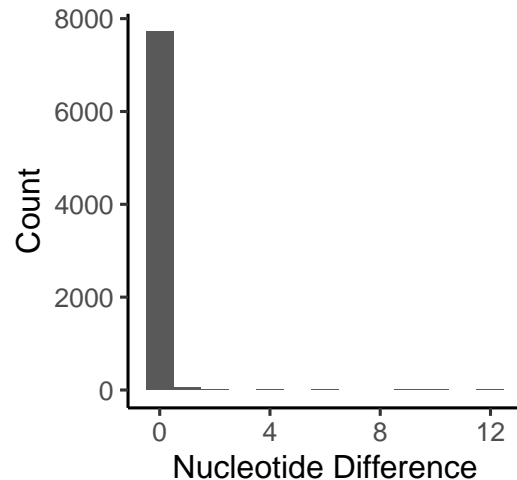
TRBV7–1*ap01_G291C_T

90 sequences assigned
86 (95.6%) exact matches, in which:
85 unique CDR3
12 unique J



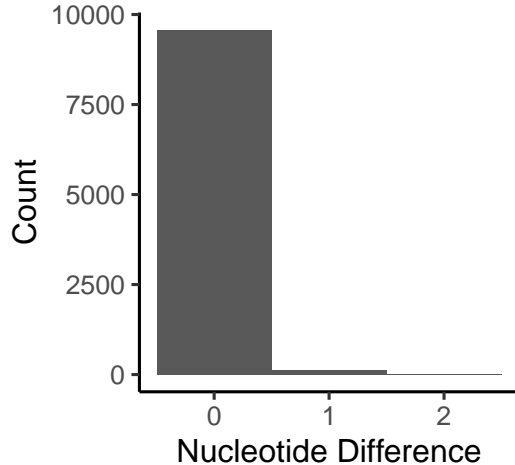
TRBV7–3*ap01

7792 sequences assigned
7718 (99.1%) exact matches, in which:
7572 unique CDR3
13 unique J



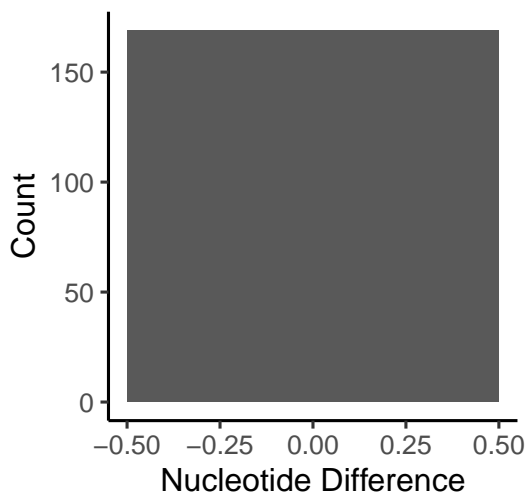
TRBV6–56*ap01

9705 sequences assigned
9576 (98.7%) exact matches, in which:
9275 unique CDR3
13 unique J



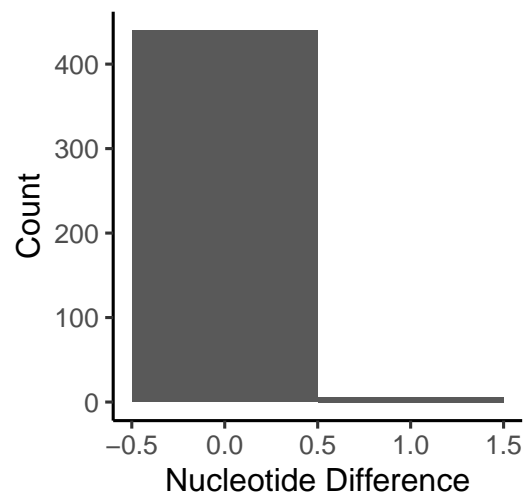
TRBV7–1*ap01_G291C_

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



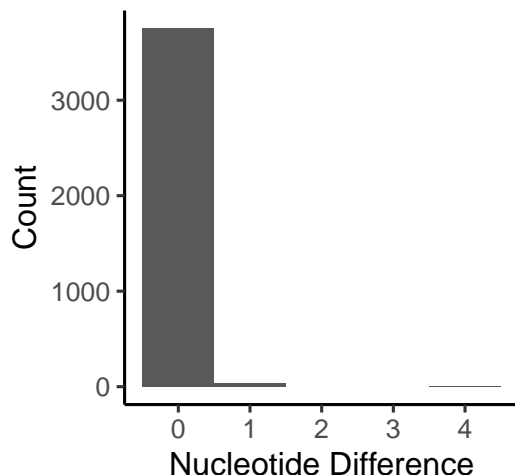
TRBV7–4*ap01

446 sequences assigned
440 (98.7%) exact matches, in which:
429 unique CDR3
13 unique J



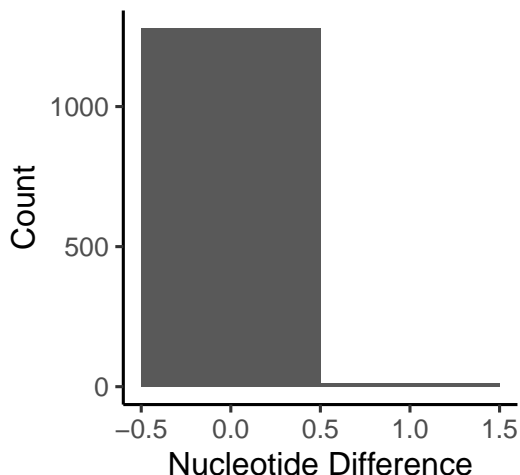
TRBV7-6*ap01

3789 sequences assigned
3752 (99%) exact matches, in which:
3664 unique CDR3
13 unique J



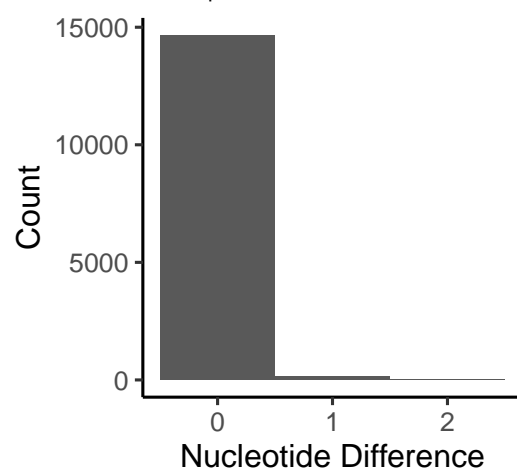
TRBV7-8*ap01

1293 sequences assigned
1279 (98.9%) exact matches, in which:
1246 unique CDR3
13 unique J



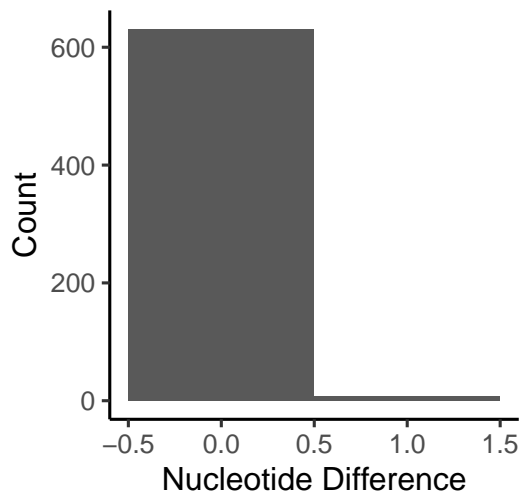
TRBV7-9*ap01

14801 sequences assigned
14663 (99.1%) exact matches, in which:
14390 unique CDR3
13 unique J



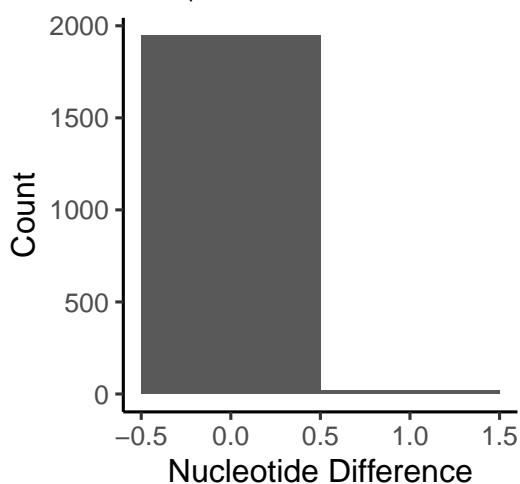
TRBV7-7*ap01

639 sequences assigned
631 (98.7%) exact matches, in which:
616 unique CDR3
13 unique J



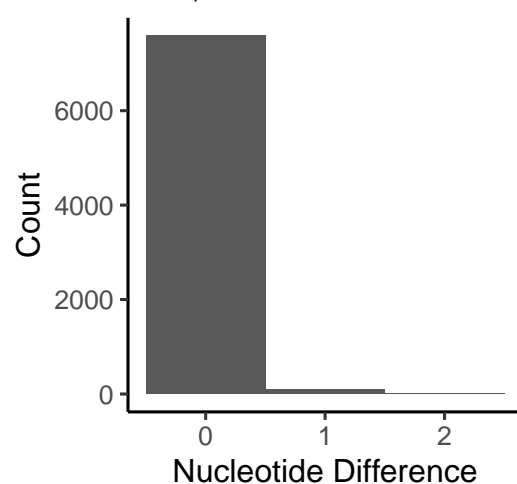
TRBV7-8*ap02

1966 sequences assigned
1946 (99%) exact matches, in which:
1906 unique CDR3
13 unique J



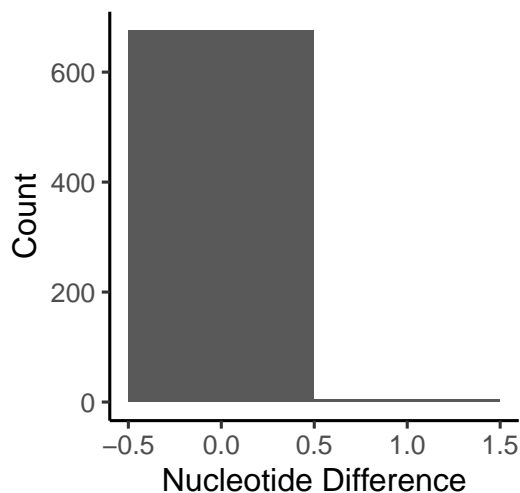
TRBV29-1*ap01

7678 sequences assigned
7587 (98.8%) exact matches, in which:
7381 unique CDR3
13 unique J



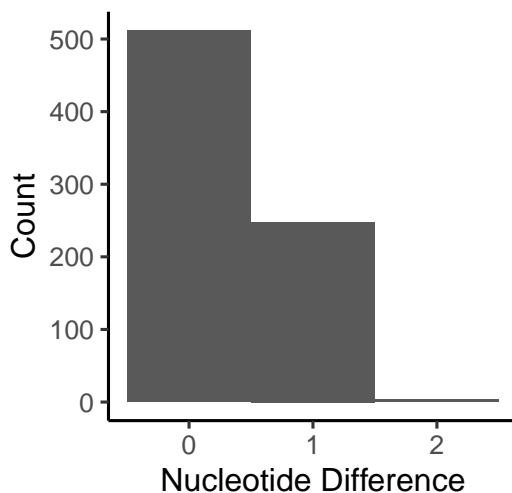
TRBV7-7*ap01_C315T

681 sequences assigned
676 (99.3%) exact matches, in which:
660 unique CDR3
13 unique J



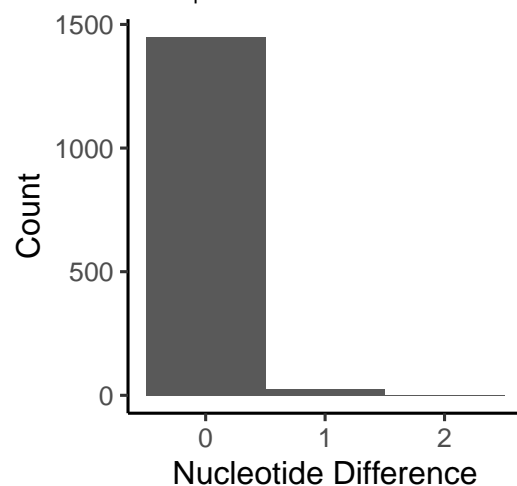
TRBV7-8*ap03

764 sequences assigned
512 (67%) exact matches, in which:
498 unique CDR3
13 unique J

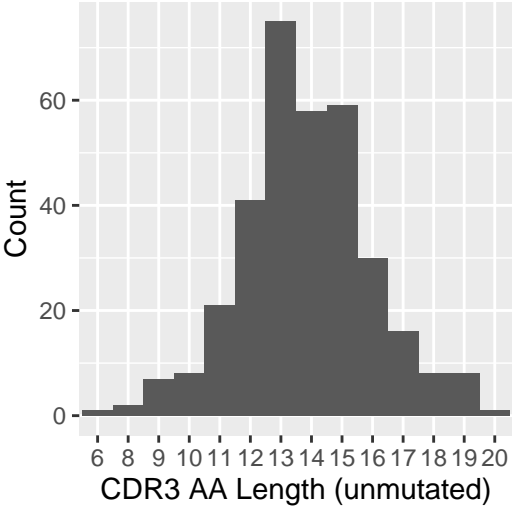


TRBV29-1*ap02

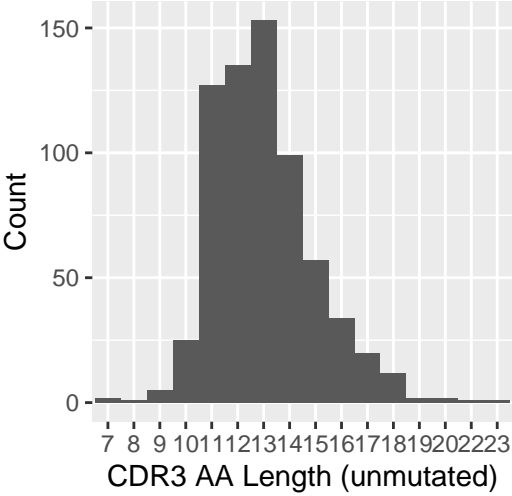
1475 sequences assigned
1449 (98.2%) exact matches, in which:
1421 unique CDR3
13 unique J



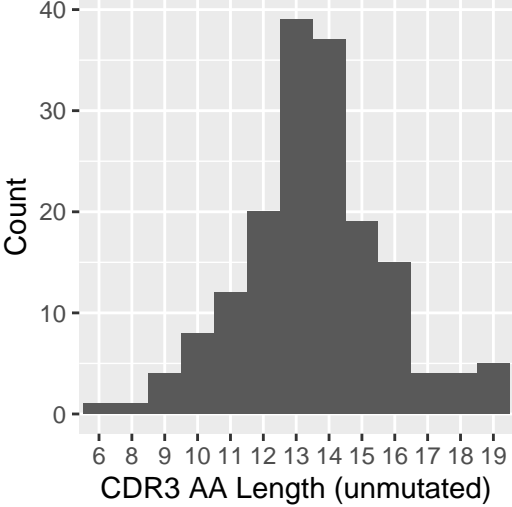
TRBV12-2*ap01_G301A



TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C

