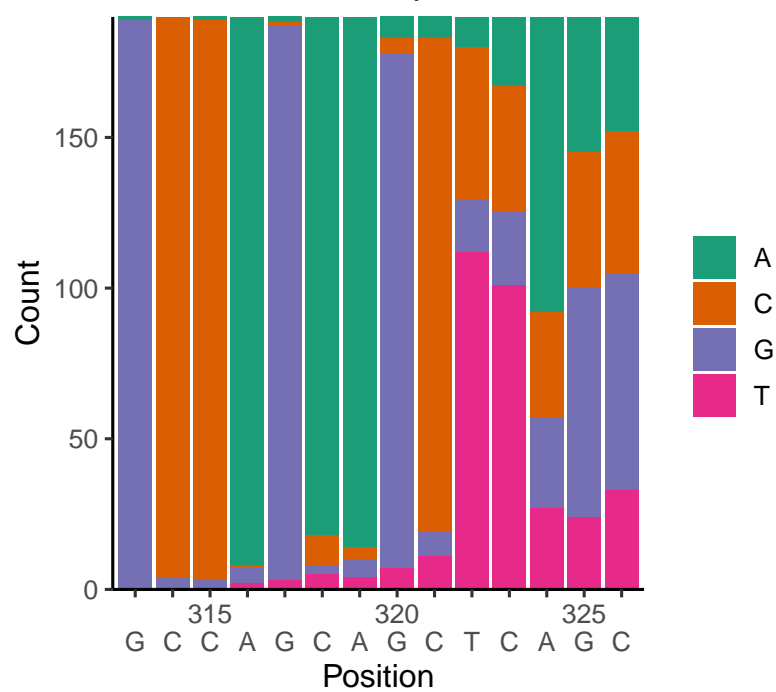
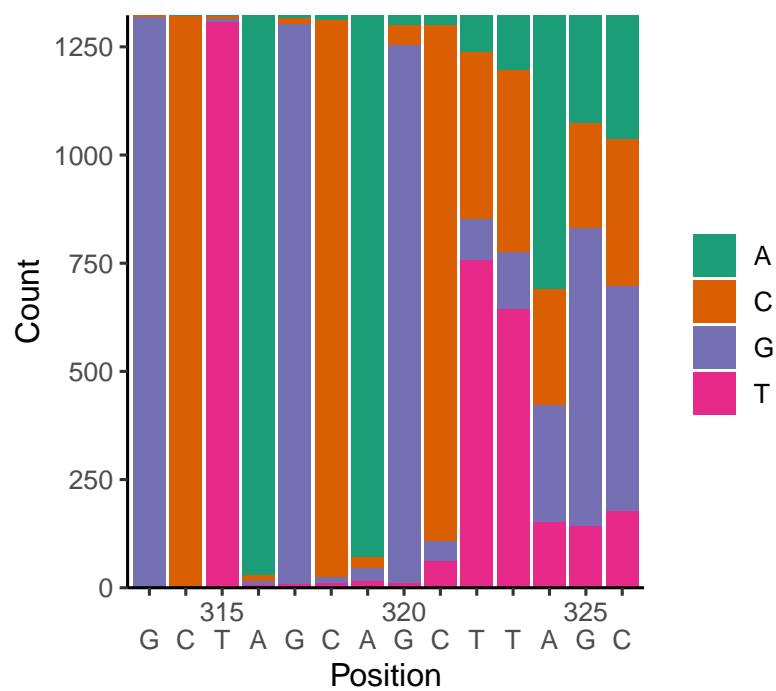


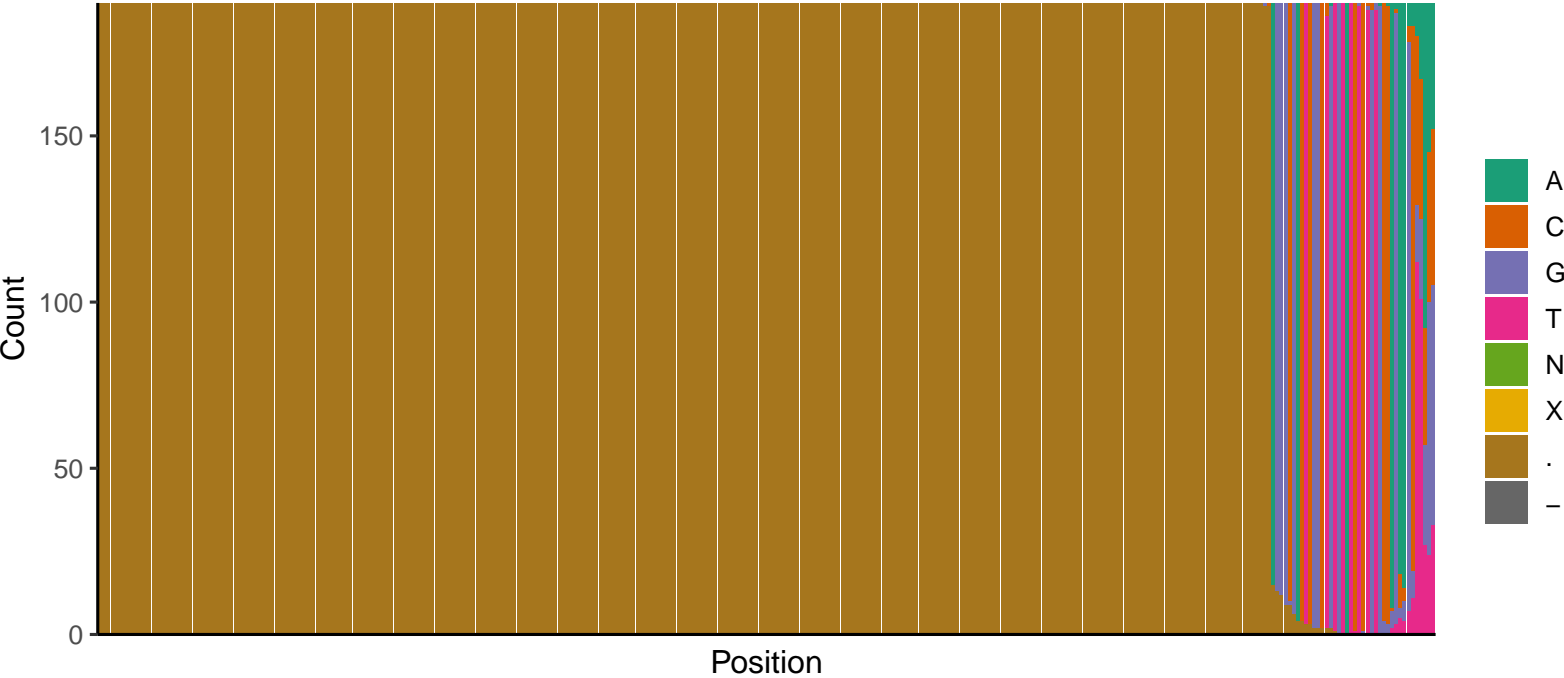
Gene TRBV7-1*ap01_G291C_T296C



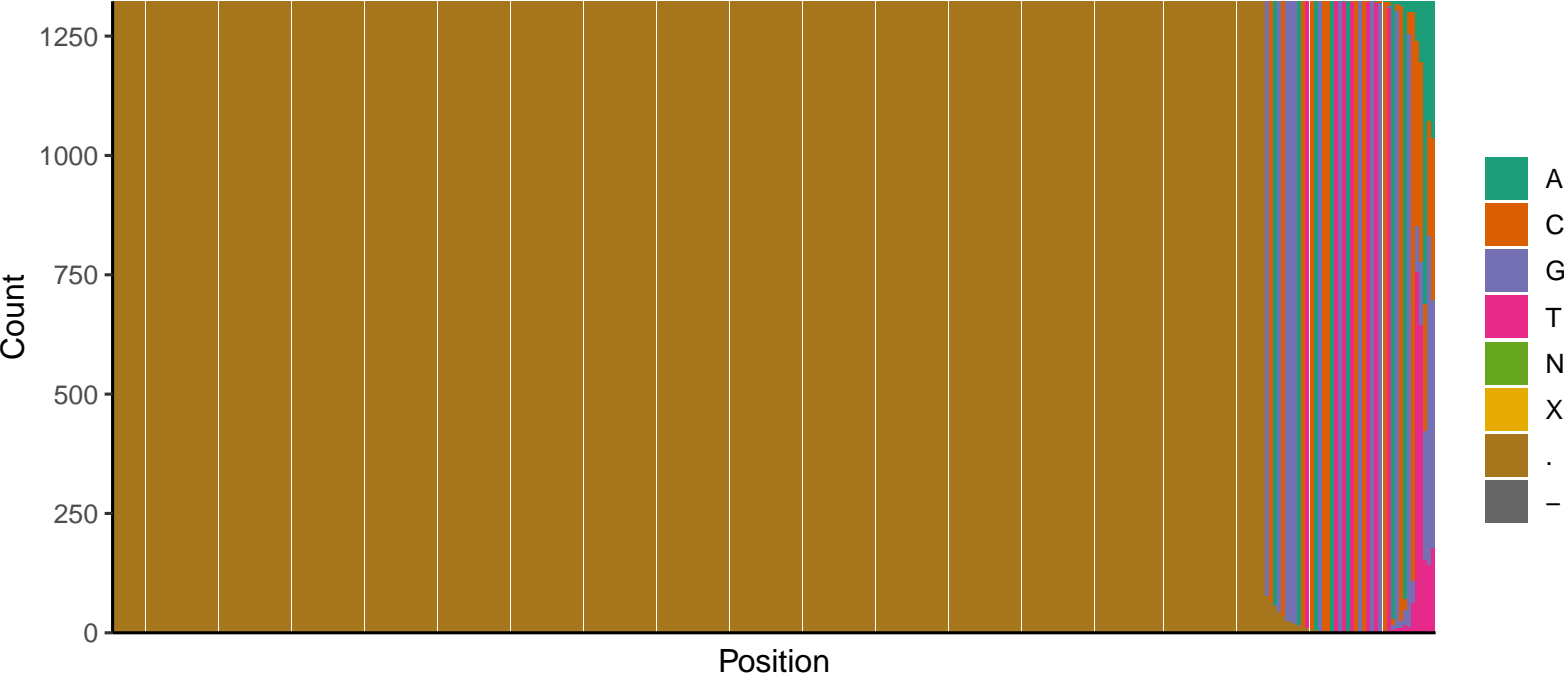
Gene TRBV7-7*ap01_C315T



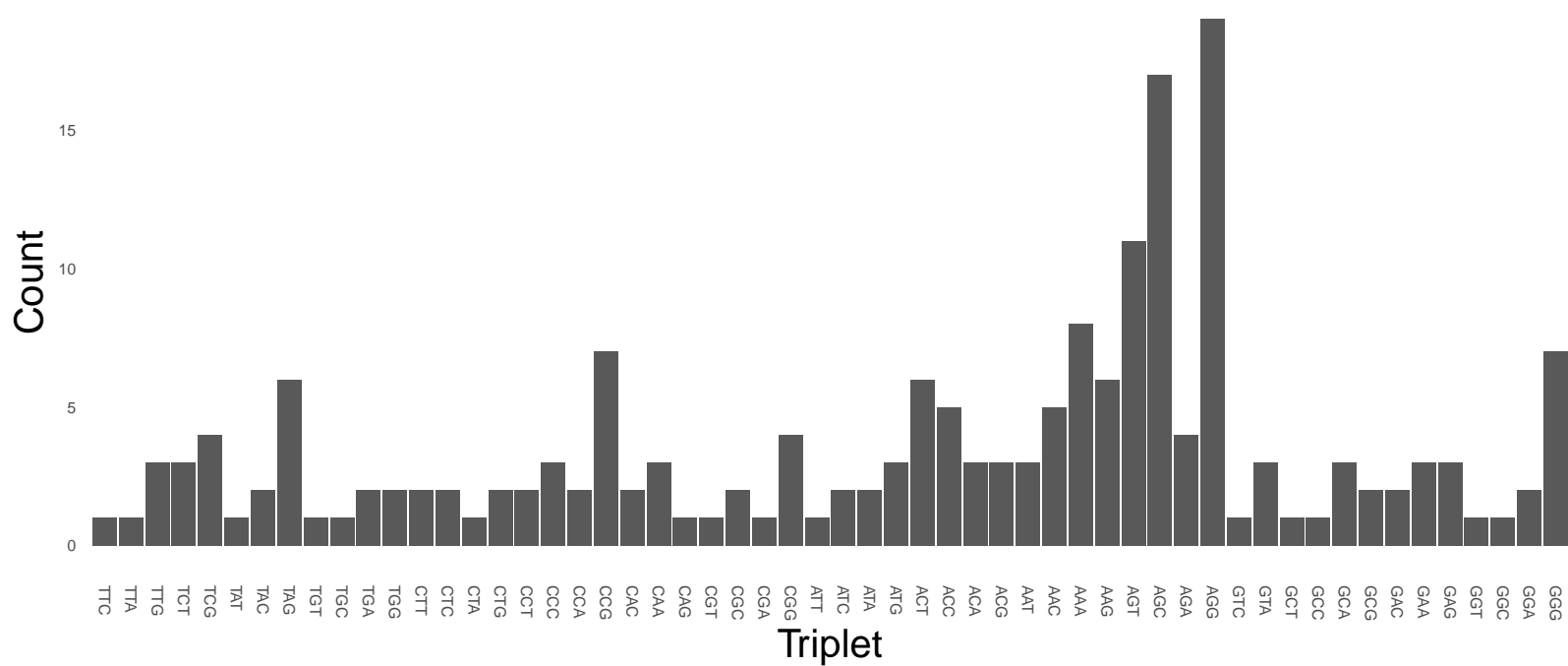
Gene TRBV7-1*ap01_G291C_T296C



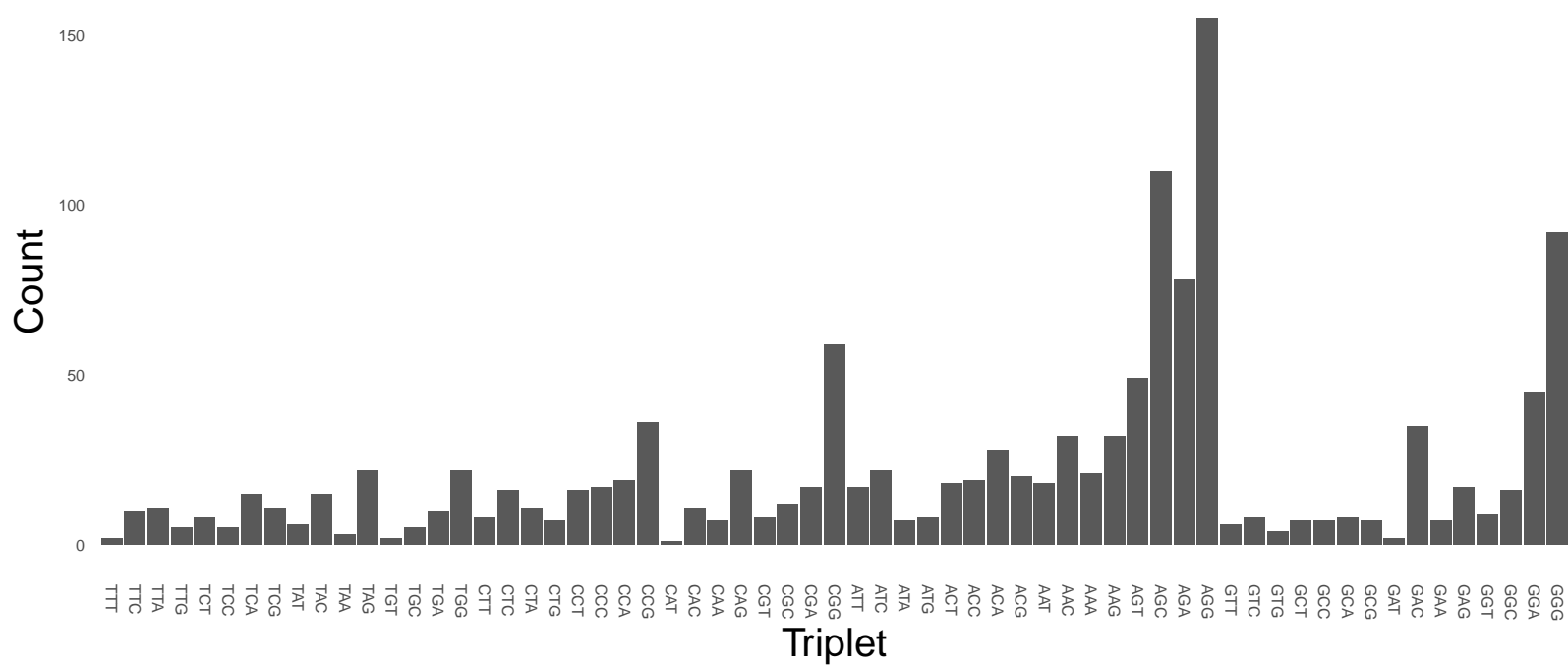
Gene TRBV7-7*ap01_C315T



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

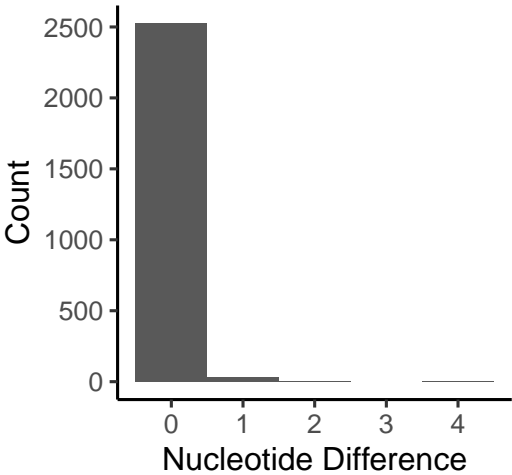


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



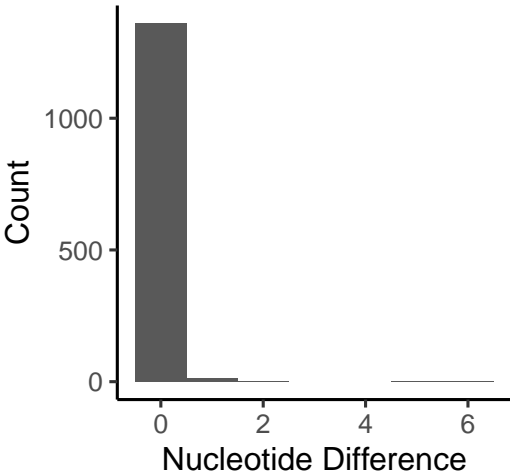
TRBV10-1*ap01

2559 sequences assigned
2525 (98.7%) exact matches, in which:
2453 unique CDR3
13 unique J



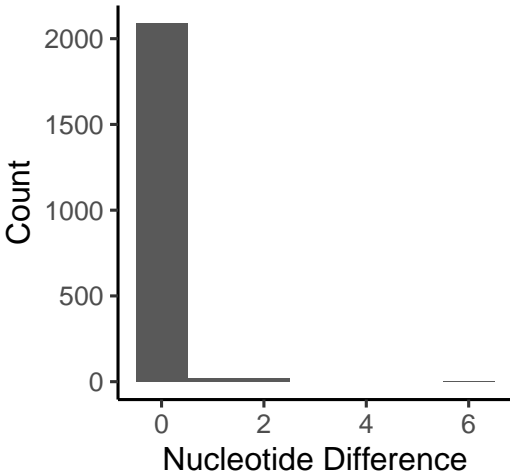
TRBV10-2*ap01

1378 sequences assigned
1360 (98.7%) exact matches, in which:
1321 unique CDR3
13 unique J



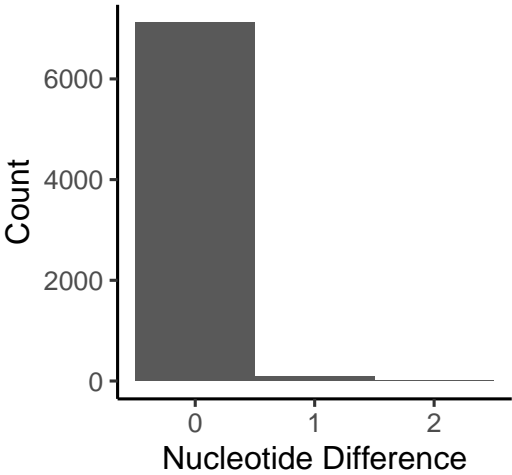
TRBV13*ap01

2128 sequences assigned
2089 (98.2%) exact matches, in which:
2016 unique CDR3
13 unique J



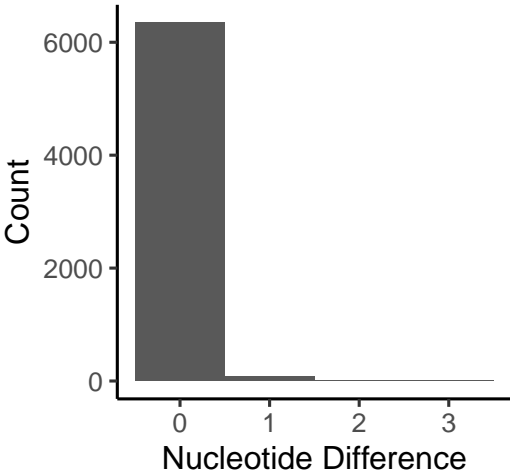
TRBV20-1*ap01

7206 sequences assigned
7116 (98.8%) exact matches, in which:
6995 unique CDR3
13 unique J



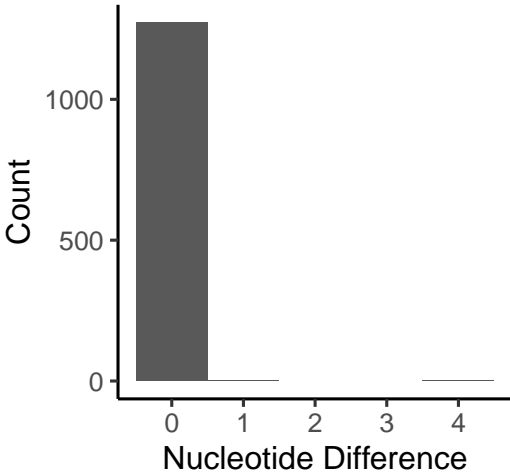
TRBV10-3*ap01

6439 sequences assigned
6346 (98.6%) exact matches, in which:
6171 unique CDR3
13 unique J



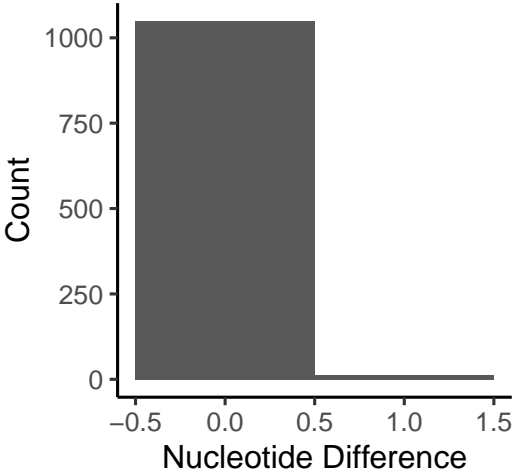
TRBV14*ap01

1277 sequences assigned
1272 (99.6%) exact matches, in which:
1255 unique CDR3
13 unique J



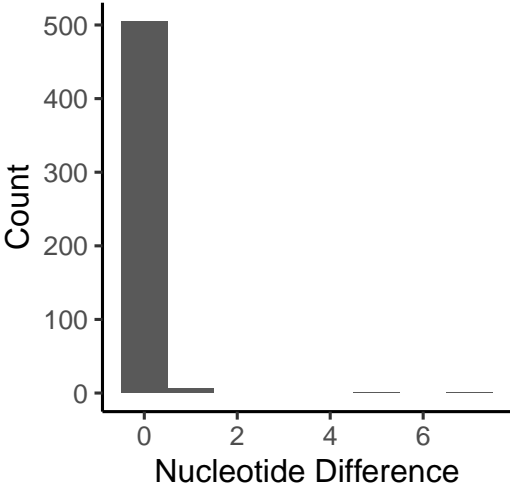
TRBV20-1*ap02

1062 sequences assigned
1049 (98.8%) exact matches, in which:
1035 unique CDR3
13 unique J



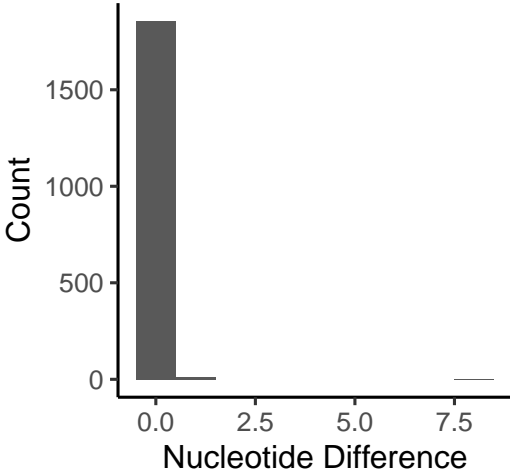
TRBV1*ap01

513 sequences assigned
505 (98.4%) exact matches, in which:
491 unique CDR3
13 unique J



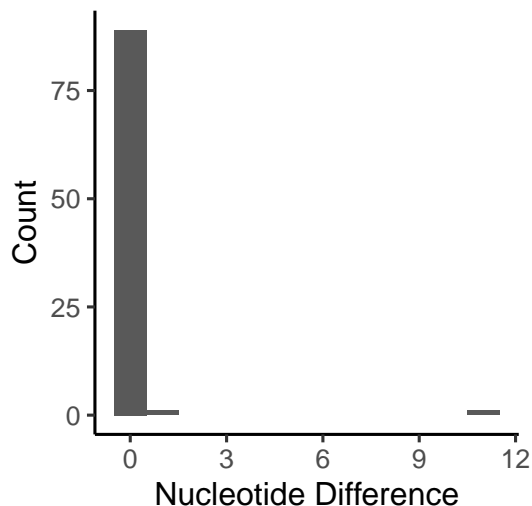
TRBV15*ap02

1870 sequences assigned
1856 (99.3%) exact matches, in which:
1802 unique CDR3
13 unique J



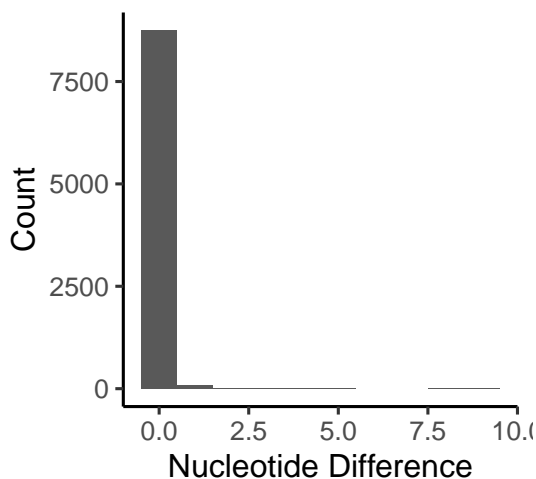
TRBV16*ap01

91 sequences assigned
89 (97.8%) exact matches, in which:
89 unique CDR3
13 unique J



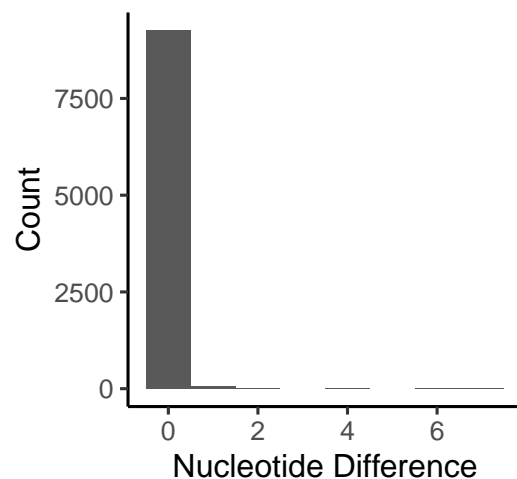
TRBV19*ap01

8850 sequences assigned
8748 (98.8%) exact matches, in which:
8630 unique CDR3
13 unique J



TRBV28*ap01

9317 sequences assigned
9258 (99.4%) exact matches, in which:
9147 unique CDR3
13 unique J



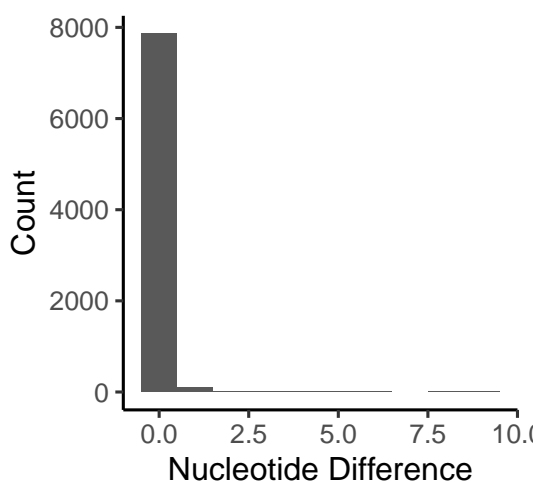
TRBV17*ap01

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



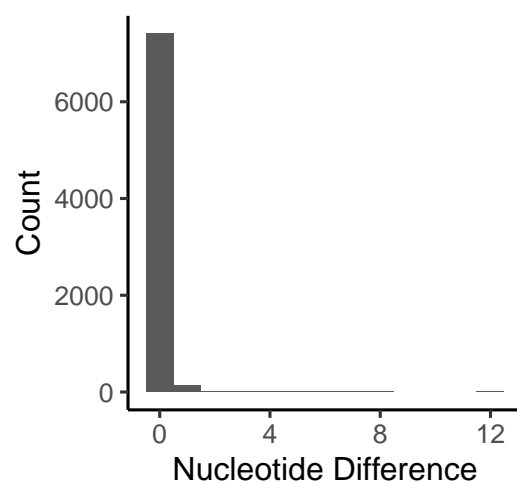
TRBV2*ap01

7972 sequences assigned
7861 (98.6%) exact matches, in which:
7641 unique CDR3
13 unique J



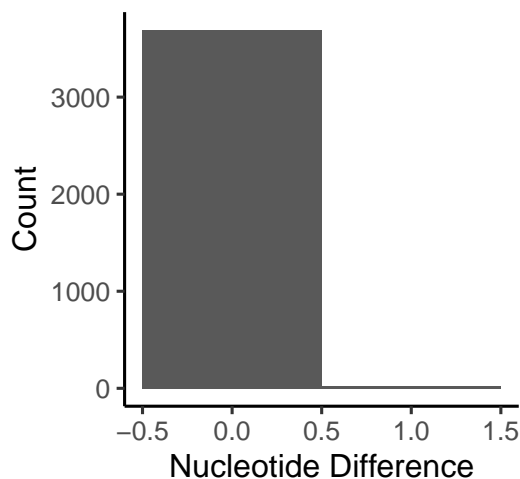
TRBV30*ap01

7551 sequences assigned
7406 (98.1%) exact matches, in which:
7185 unique CDR3
13 unique J



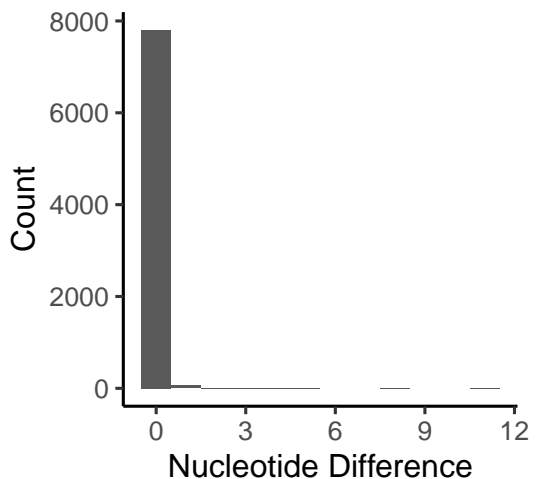
TRBV18*ap01

3712 sequences assigned
3691 (99.4%) exact matches, in which:
3655 unique CDR3
13 unique J



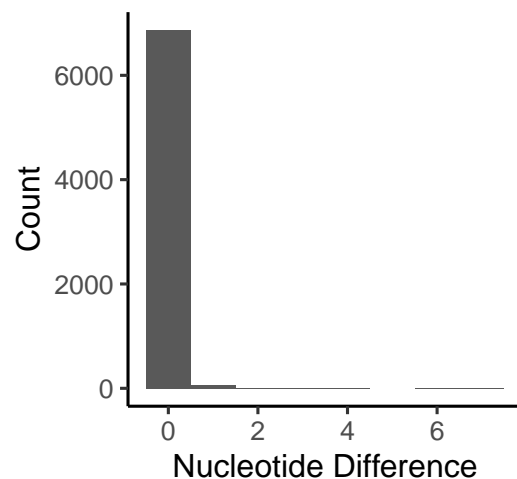
TRBV27*ap01

7877 sequences assigned
7802 (99%) exact matches, in which:
7653 unique CDR3
13 unique J



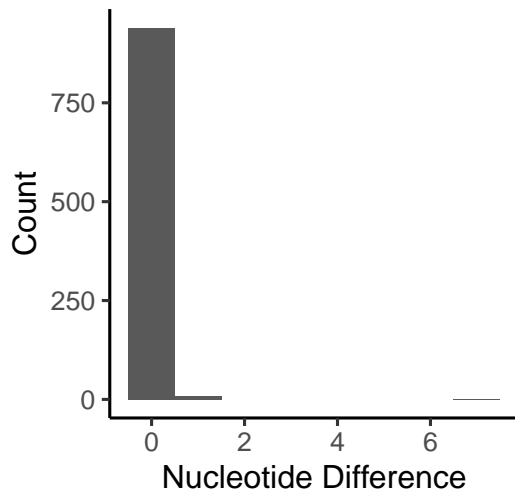
TRBV9*ap01

6941 sequences assigned
6868 (98.9%) exact matches, in which:
6755 unique CDR3
13 unique J



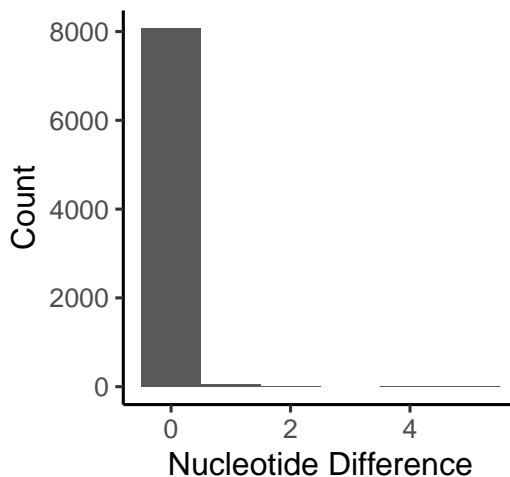
TRBV11-1*ap01

950 sequences assigned
940 (98.9%) exact matches, in which:
930 unique CDR3
13 unique J



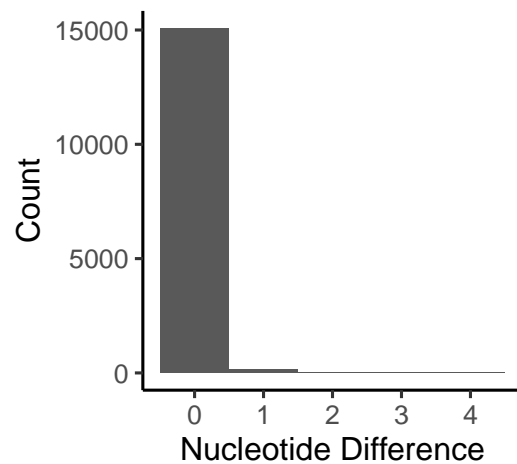
TRBV11-3*ap01

8124 sequences assigned
8070 (99.3%) exact matches, in which:
7932 unique CDR3
13 unique J



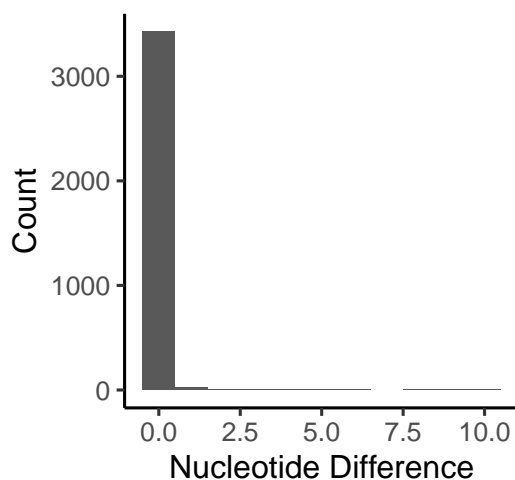
TRBV12-34*ap01

15236 sequences assigned
15081 (99%) exact matches, in which:
14773 unique CDR3
13 unique J



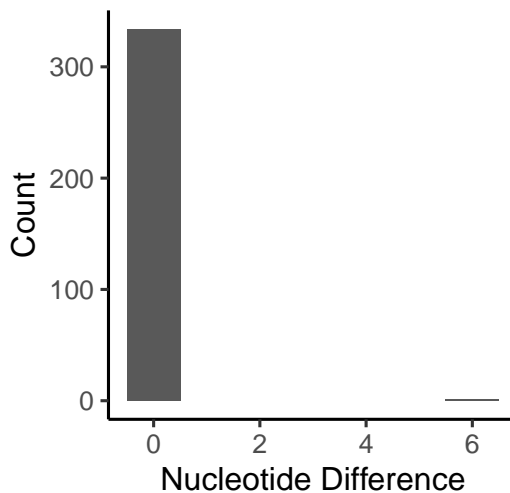
TRBV21-1*ap01

3475 sequences assigned
3426 (98.6%) exact matches, in which:
3393 unique CDR3
13 unique J



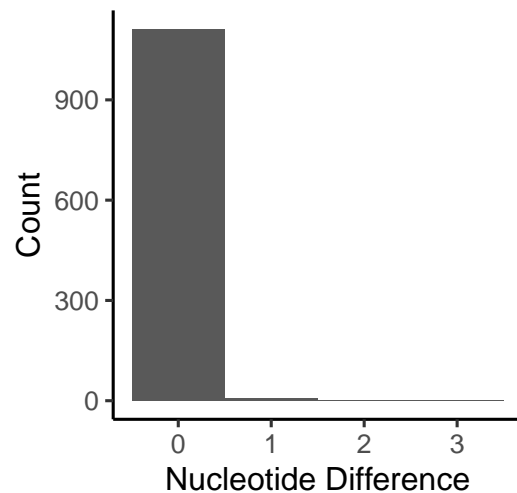
TRBV12-1*ap01

335 sequences assigned
334 (99.7%) exact matches, in which:
327 unique CDR3
13 unique J



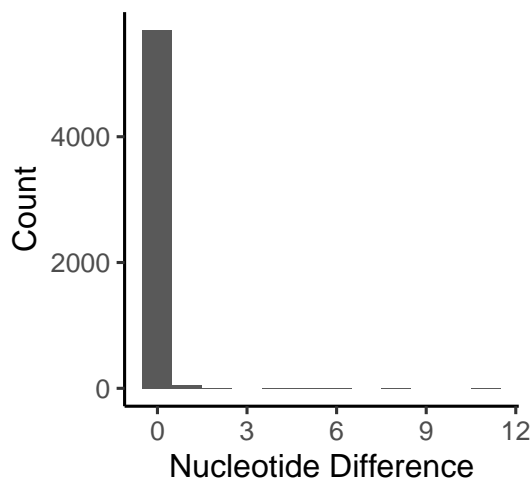
TRBV23-1*ap01

1123 sequences assigned
1112 (99%) exact matches, in which:
1106 unique CDR3
13 unique J



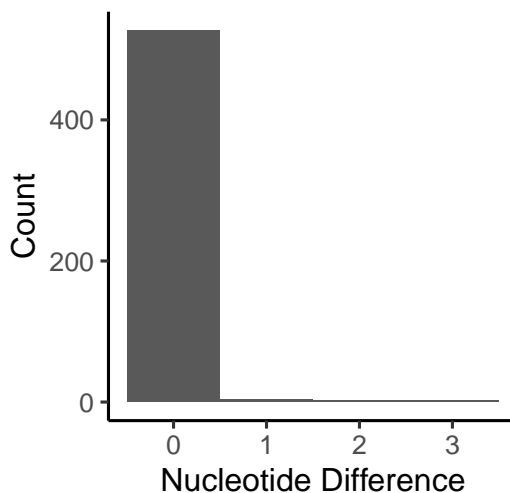
TRBV11-2*ap01

5751 sequences assigned
5696 (99%) exact matches, in which:
5580 unique CDR3
13 unique J



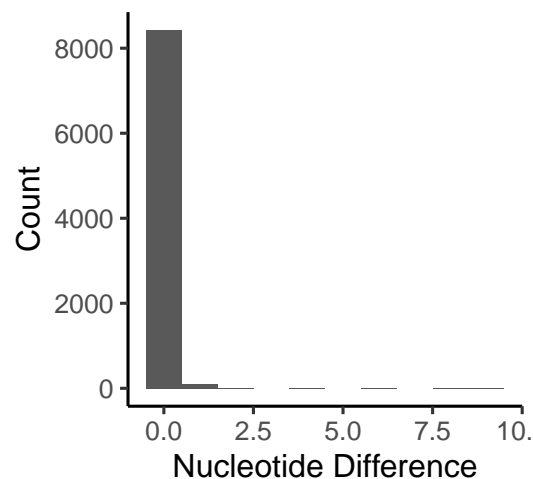
TRBV12-5*ap01

534 sequences assigned
527 (98.7%) exact matches, in which:
519 unique CDR3
13 unique J



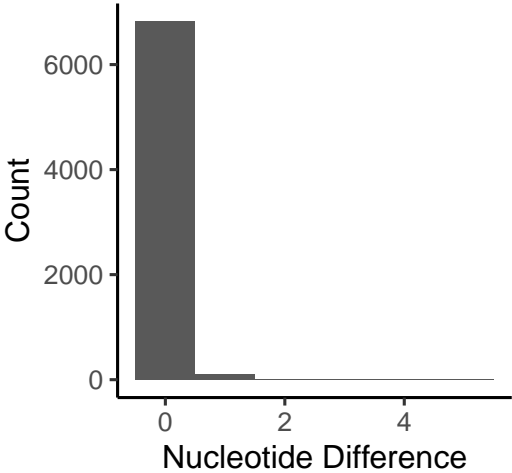
TRBV3-12*ap01

8529 sequences assigned
8427 (98.8%) exact matches, in which:
8230 unique CDR3
13 unique J



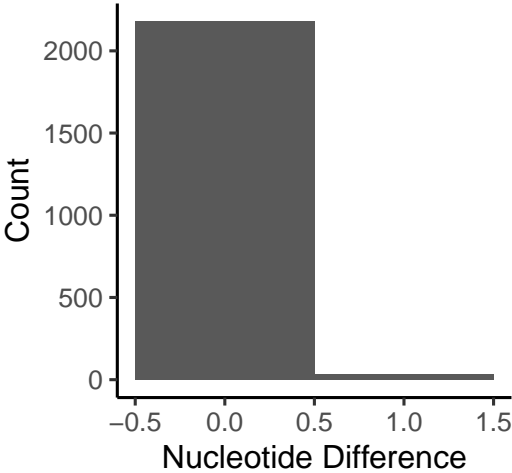
TRBV24-1*ap01

6931 sequences assigned
6822 (98.4%) exact matches, in which:
6700 unique CDR3
13 unique J



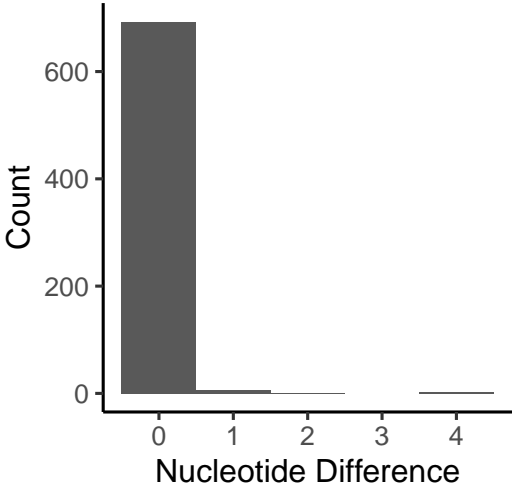
TRBV4-3*ap01

2211 sequences assigned
2179 (98.6%) exact matches, in which:
2132 unique CDR3
13 unique J



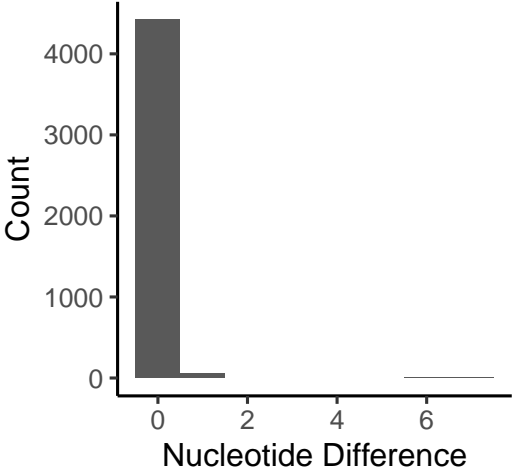
TRBV5-3*ap01

703 sequences assigned
693 (98.6%) exact matches, in which:
672 unique CDR3
13 unique J



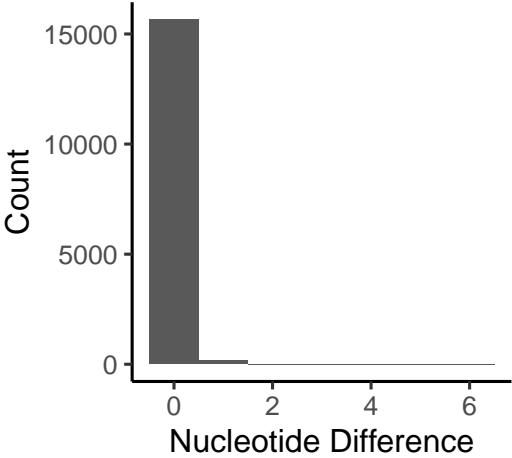
TRBV4-1*ap01

4474 sequences assigned
4421 (98.8%) exact matches, in which:
4295 unique CDR3
13 unique J



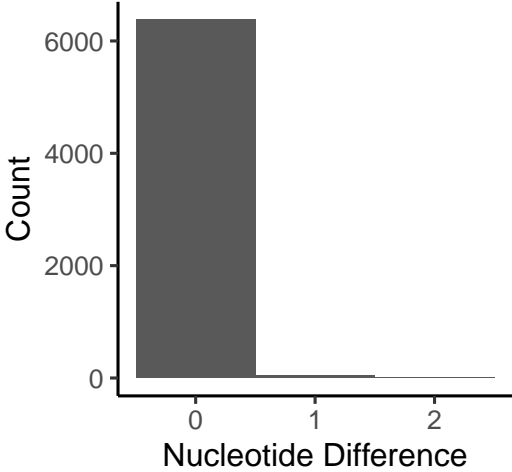
TRBV5-1*ap01

15850 sequences assigned
15659 (98.8%) exact matches, in which:
15193 unique CDR3
13 unique J



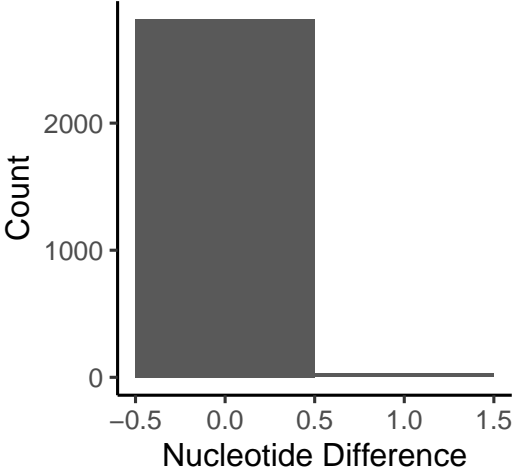
TRBV5-4*ap01

6431 sequences assigned
6378 (99.2%) exact matches, in which:
6228 unique CDR3
13 unique J



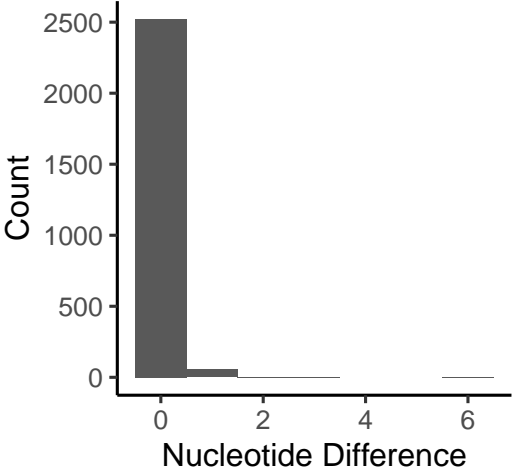
TRBV4-2*ap01

2850 sequences assigned
2819 (98.9%) exact matches, in which:
2755 unique CDR3
13 unique J



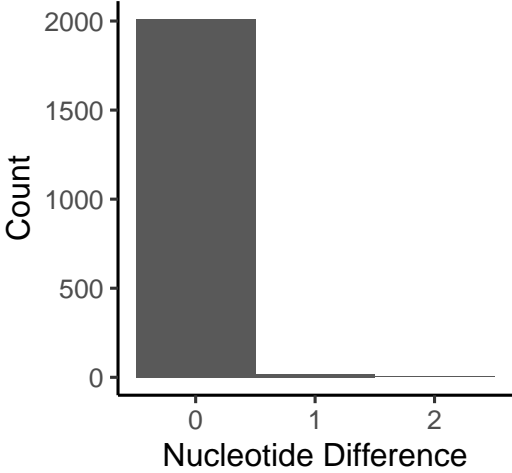
TRBV25-1*ap01

2580 sequences assigned
2522 (97.8%) exact matches, in which:
2455 unique CDR3
13 unique J



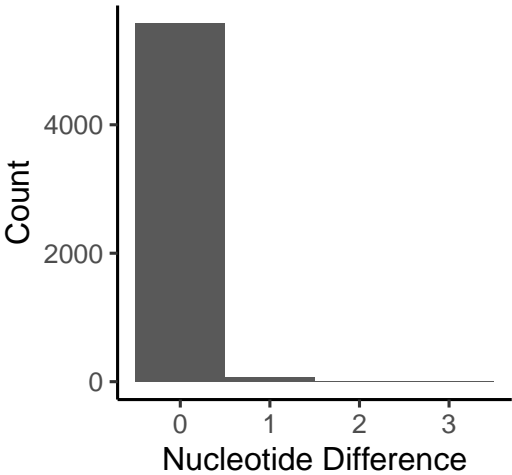
TRBV5-5*ap01

2034 sequences assigned
2011 (98.9%) exact matches, in which:
1991 unique CDR3
13 unique J



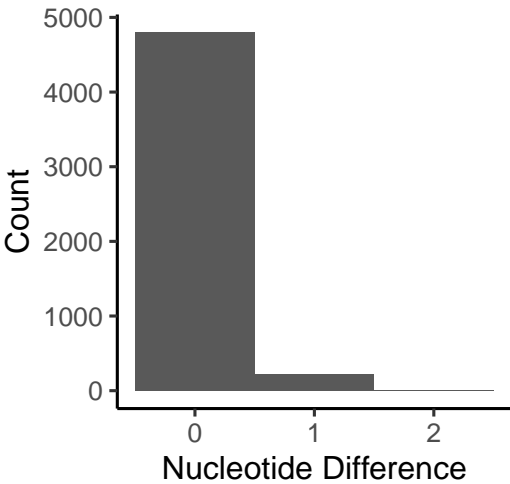
TRBV5-6*ap01

5653 sequences assigned
5578 (98.7%) exact matches, in which:
5392 unique CDR3
13 unique J



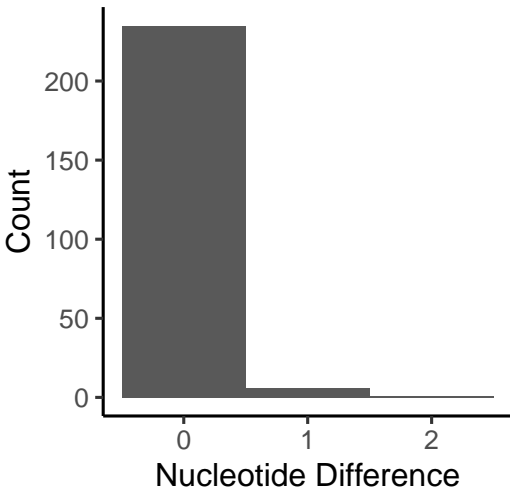
TRBV6-1*ap01

5018 sequences assigned
4799 (95.6%) exact matches, in which:
4608 unique CDR3
13 unique J



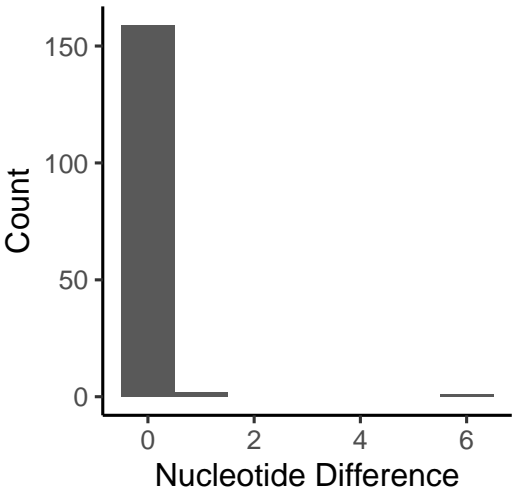
TRBV6-8*ap01

242 sequences assigned
235 (97.1%) exact matches, in which:
227 unique CDR3
13 unique J



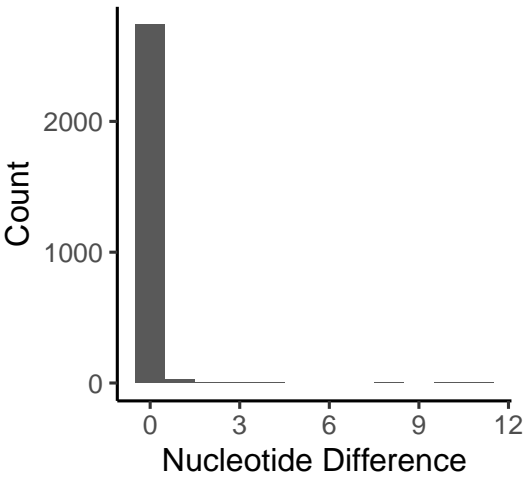
TRBV5-7*ap01

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



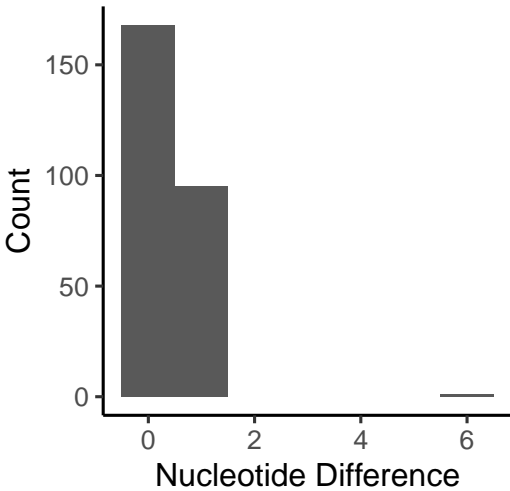
TRBV6-4*ap01

2778 sequences assigned
2739 (98.6%) exact matches, in which:
2691 unique CDR3
13 unique J



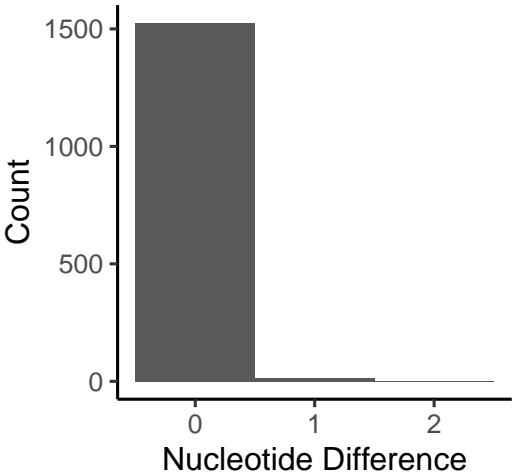
TRBV6-9*ap01

264 sequences assigned
168 (63.6%) exact matches, in which:
165 unique CDR3
13 unique J



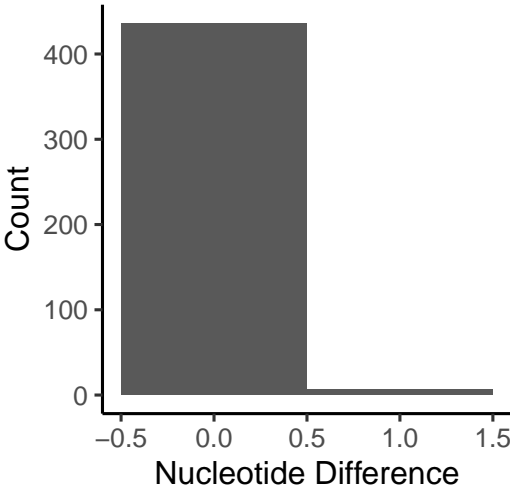
TRBV5-8*ap01

1541 sequences assigned
1525 (99%) exact matches, in which:
1498 unique CDR3
13 unique J



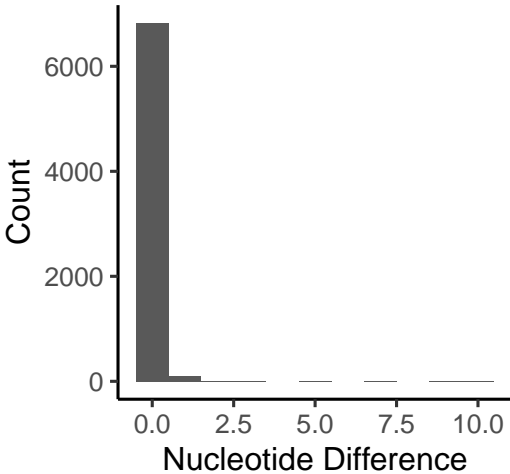
TRBV6-7*ap01

442 sequences assigned
436 (98.6%) exact matches, in which:
415 unique CDR3
13 unique J



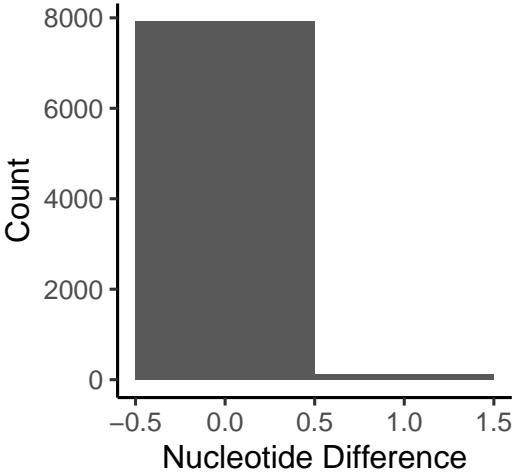
TRBV6-23*ap01

6929 sequences assigned
6824 (98.5%) exact matches, in which:
6499 unique CDR3
13 unique J



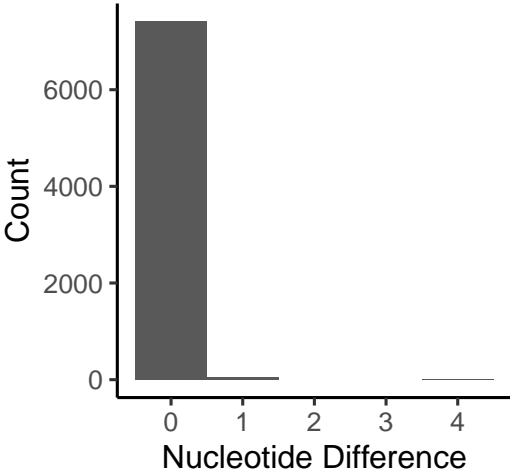
TRBV6-56*ap01

8037 sequences assigned
7921 (98.6%) exact matches, in which:
7611 unique CDR3
13 unique J



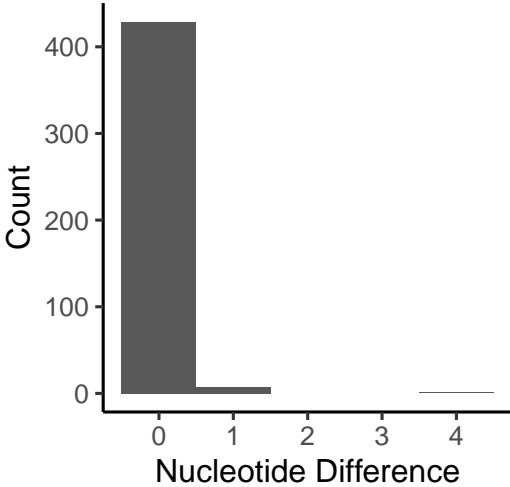
TRBV7-2*ap01

7470 sequences assigned
7413 (99.2%) exact matches, in which:
7282 unique CDR3
13 unique J



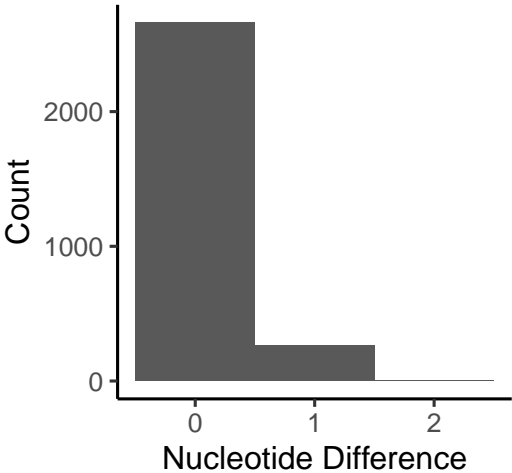
TRBV7-4*ap01

437 sequences assigned
429 (98.2%) exact matches, in which:
413 unique CDR3
13 unique J



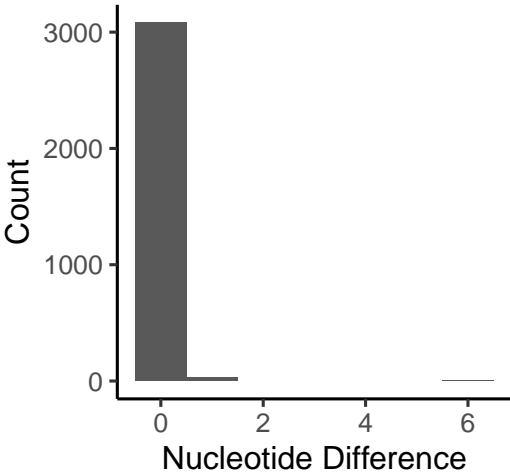
TRBV6-56*ap02

2932 sequences assigned
2660 (90.7%) exact matches, in which:
2559 unique CDR3
13 unique J



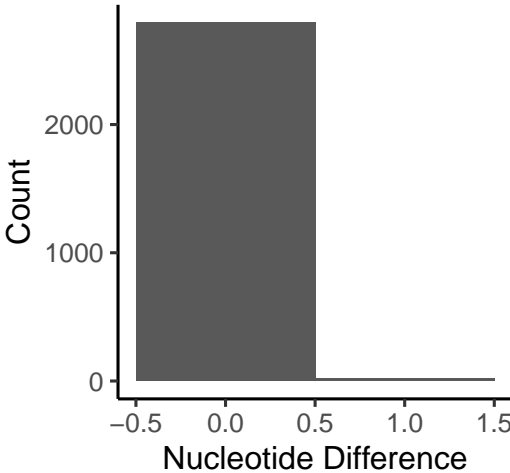
TRBV7-3*ap01

3113 sequences assigned
3081 (99%) exact matches, in which:
3011 unique CDR3
13 unique J



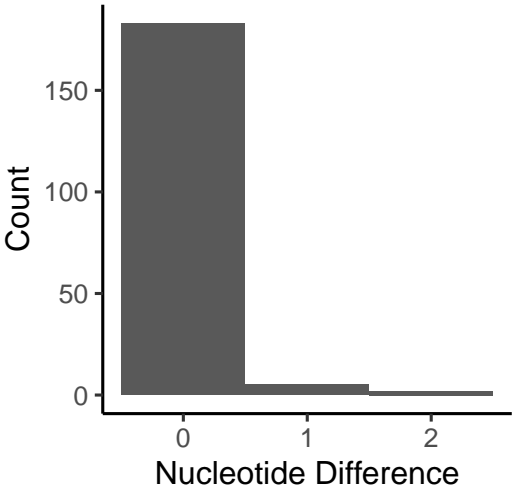
TRBV7-6*ap01

2815 sequences assigned
2794 (99.3%) exact matches, in which:
2741 unique CDR3
13 unique J



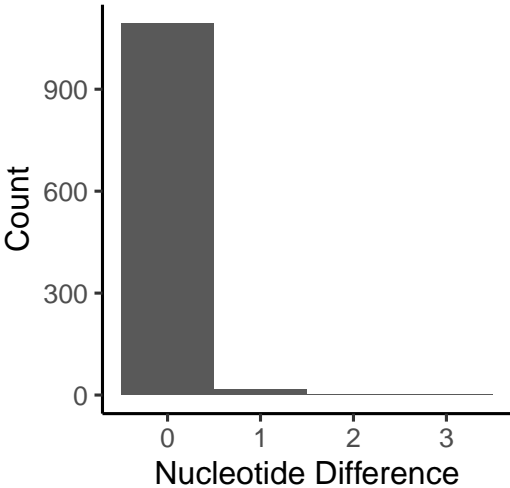
TRBV7-1*ap01_G291C_

190 sequences assigned
183 (96.3%) exact matches, in which:
179 unique CDR3
13 unique J



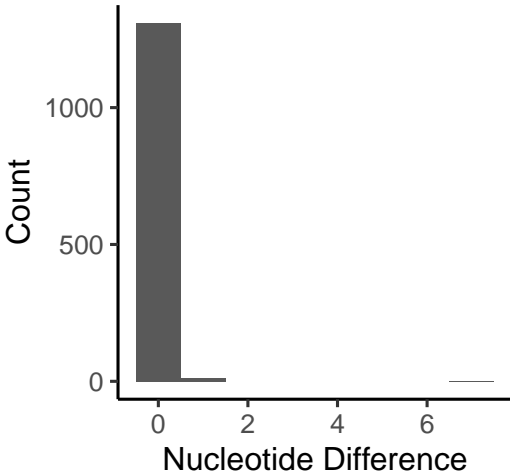
TRBV7-3*ap03

1112 sequences assigned
1094 (98.4%) exact matches, in which:
1074 unique CDR3
13 unique J



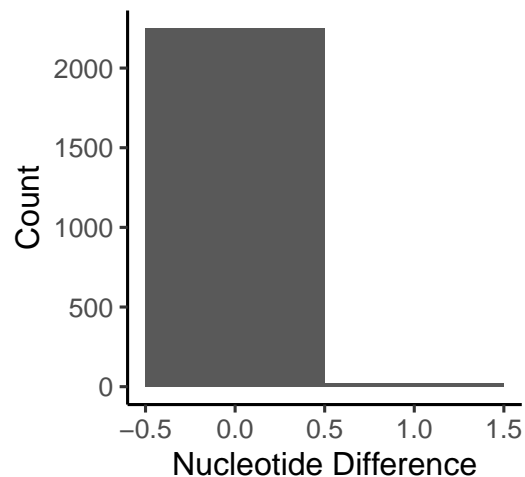
TRBV7-7*ap01_C315T

1323 sequences assigned
1309 (98.9%) exact matches, in which:
1283 unique CDR3
13 unique J



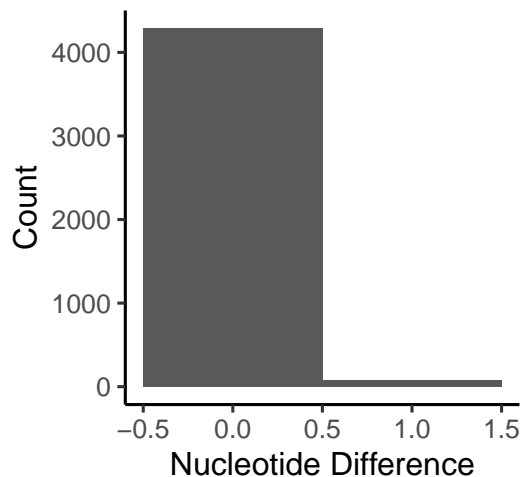
TRBV7-8*ap01

2271 sequences assigned
2249 (99%) exact matches, in which:
2204 unique CDR3
13 unique J



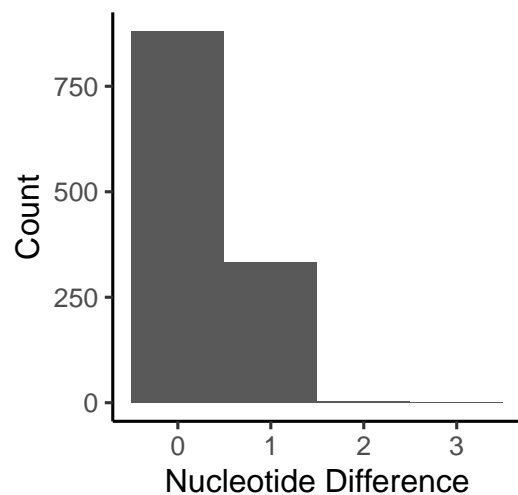
TRBV29-1*ap01

4360 sequences assigned
4287 (98.3%) exact matches, in which:
4156 unique CDR3
13 unique J



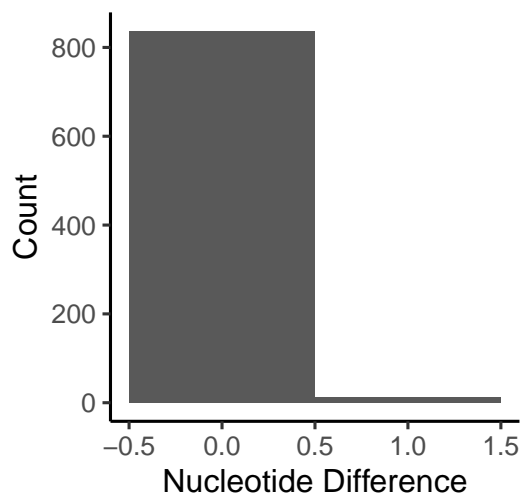
TRBV7-8*ap03

1219 sequences assigned
881 (72.3%) exact matches, in which:
866 unique CDR3
13 unique J



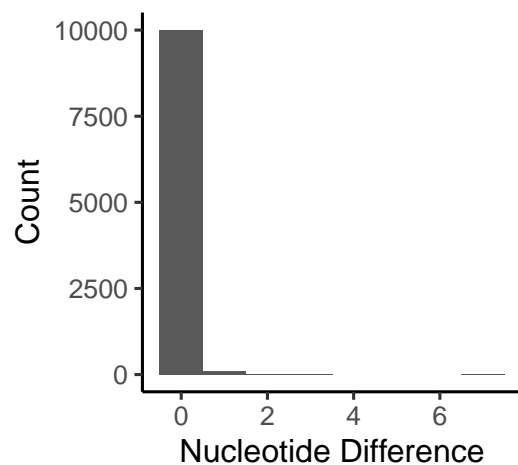
TRBV29-1*ap02

850 sequences assigned
837 (98.5%) exact matches, in which:
814 unique CDR3
13 unique J

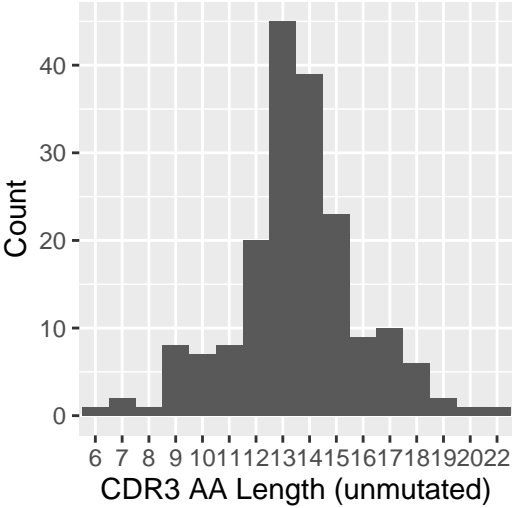


TRBV7-9*ap01

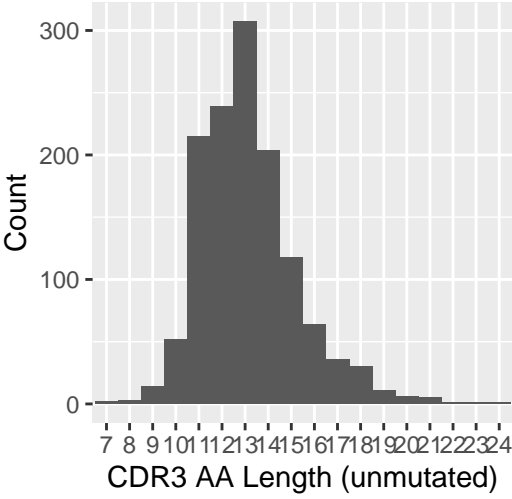
10106 sequences assigned
10009 (99%) exact matches, in which:
9797 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]