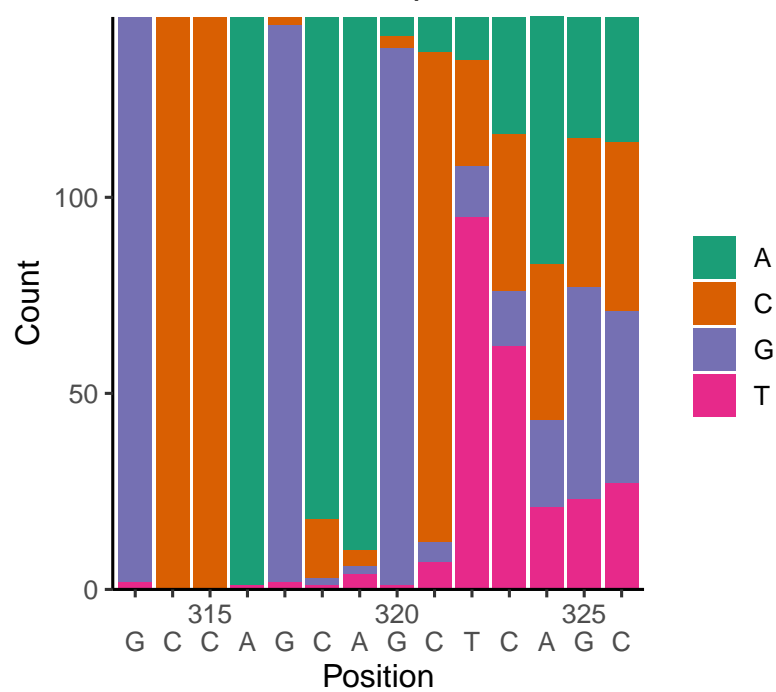
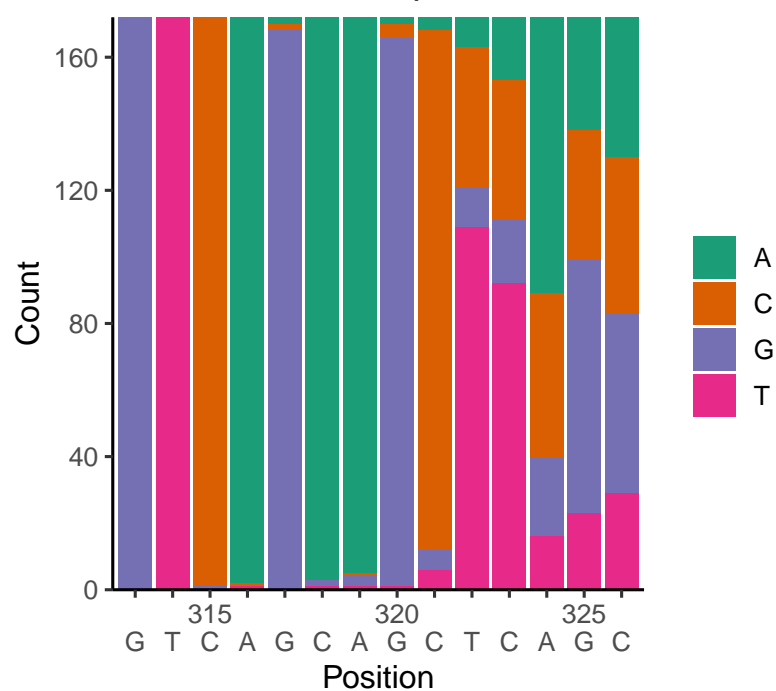


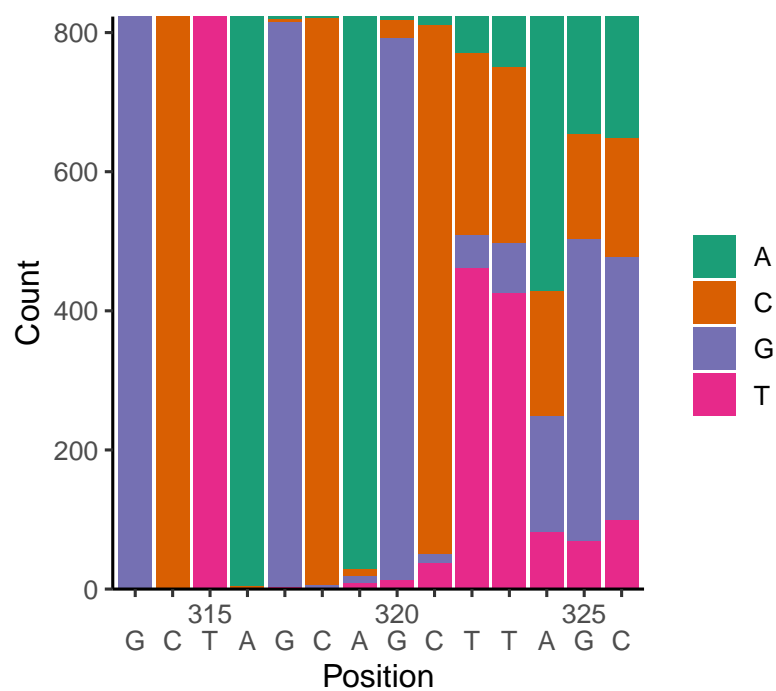
Gene TRBV7-1*ap01_G291C_T296C



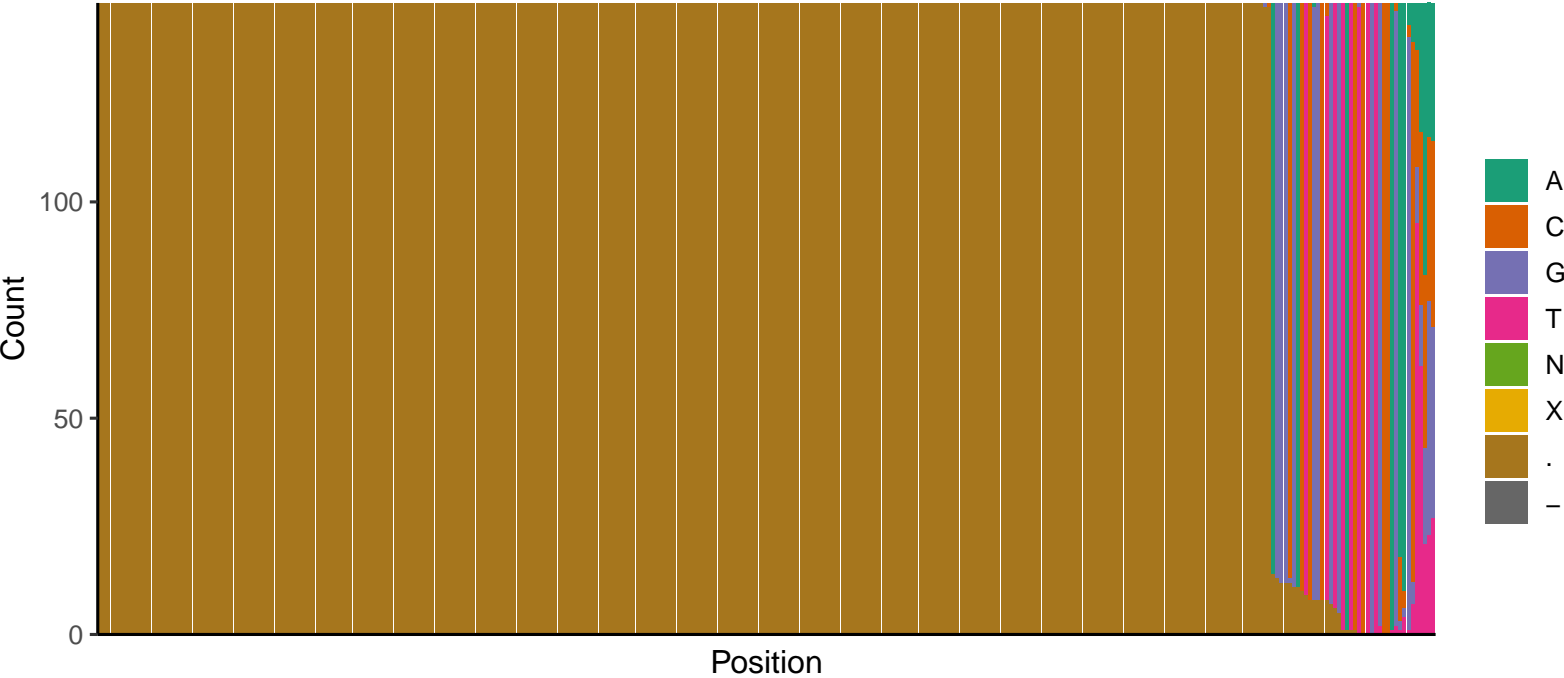
Gene TRBV7-1*ap01_G291C_T296C_C314T



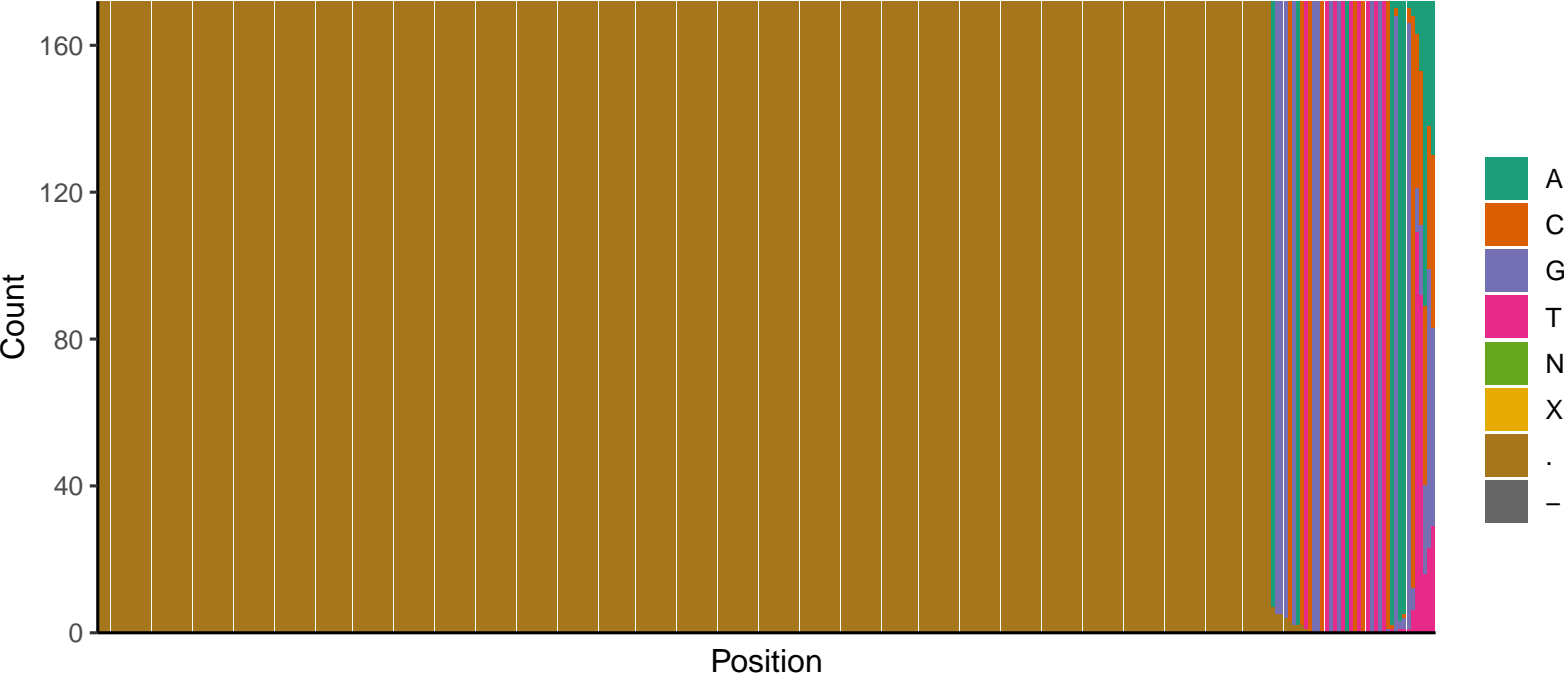
Gene TRBV7-7*ap01_C315T



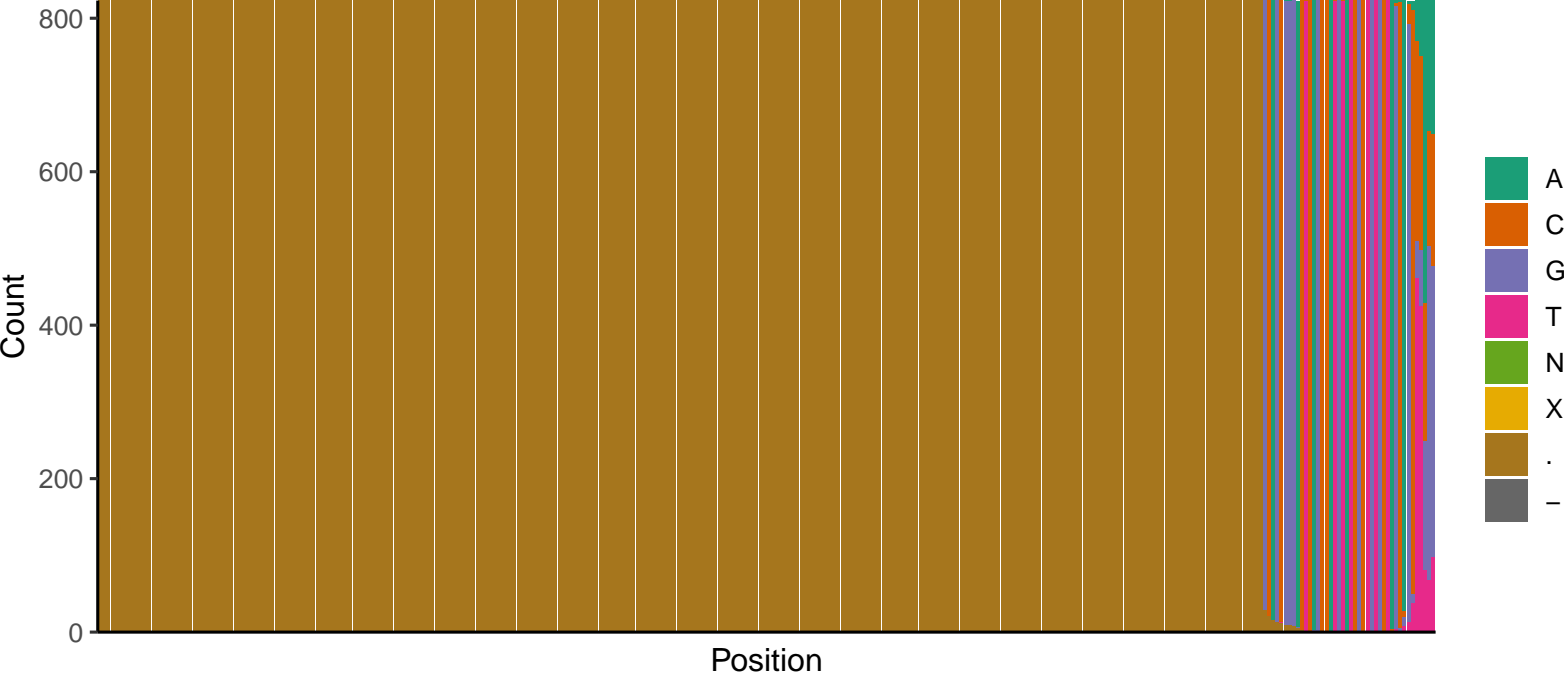
Gene TRBV7-1*ap01_G291C_T296C



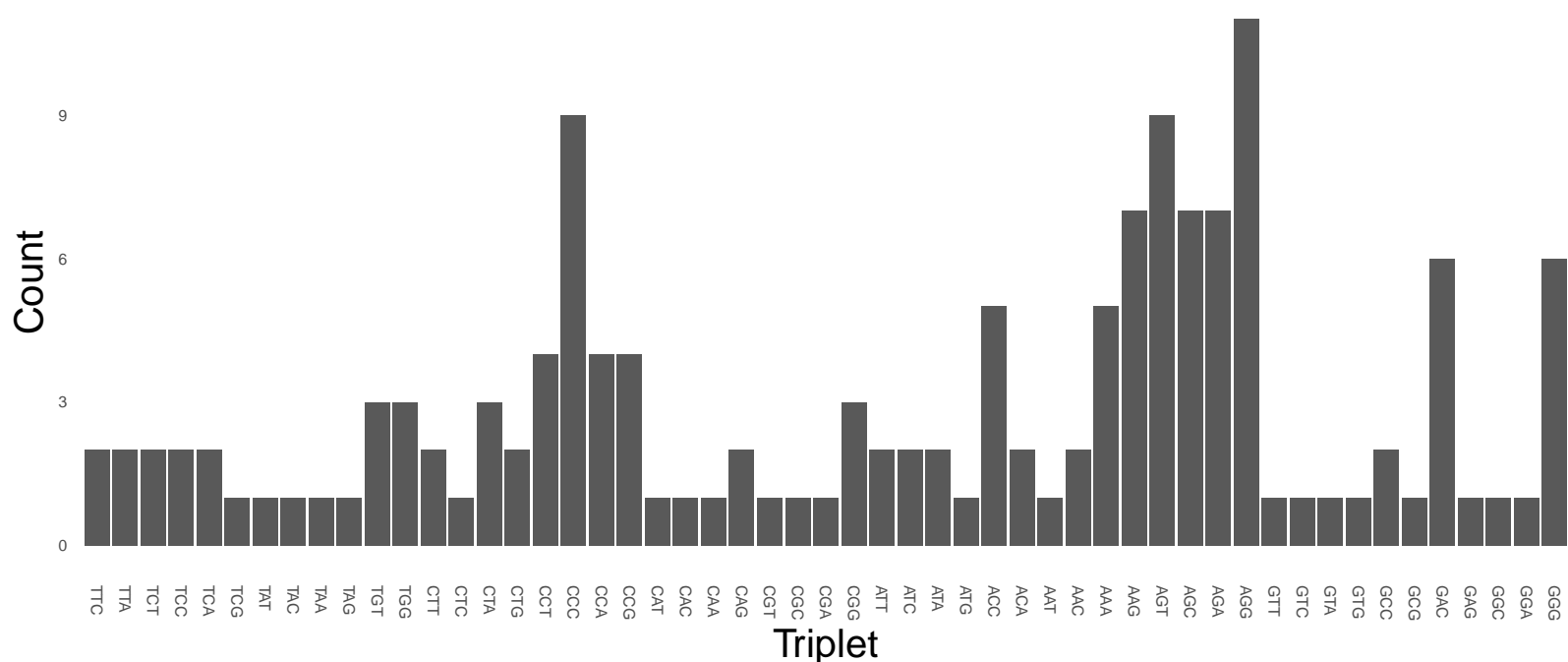
Gene TRBV7-1*ap01_G291C_T296C_C314T



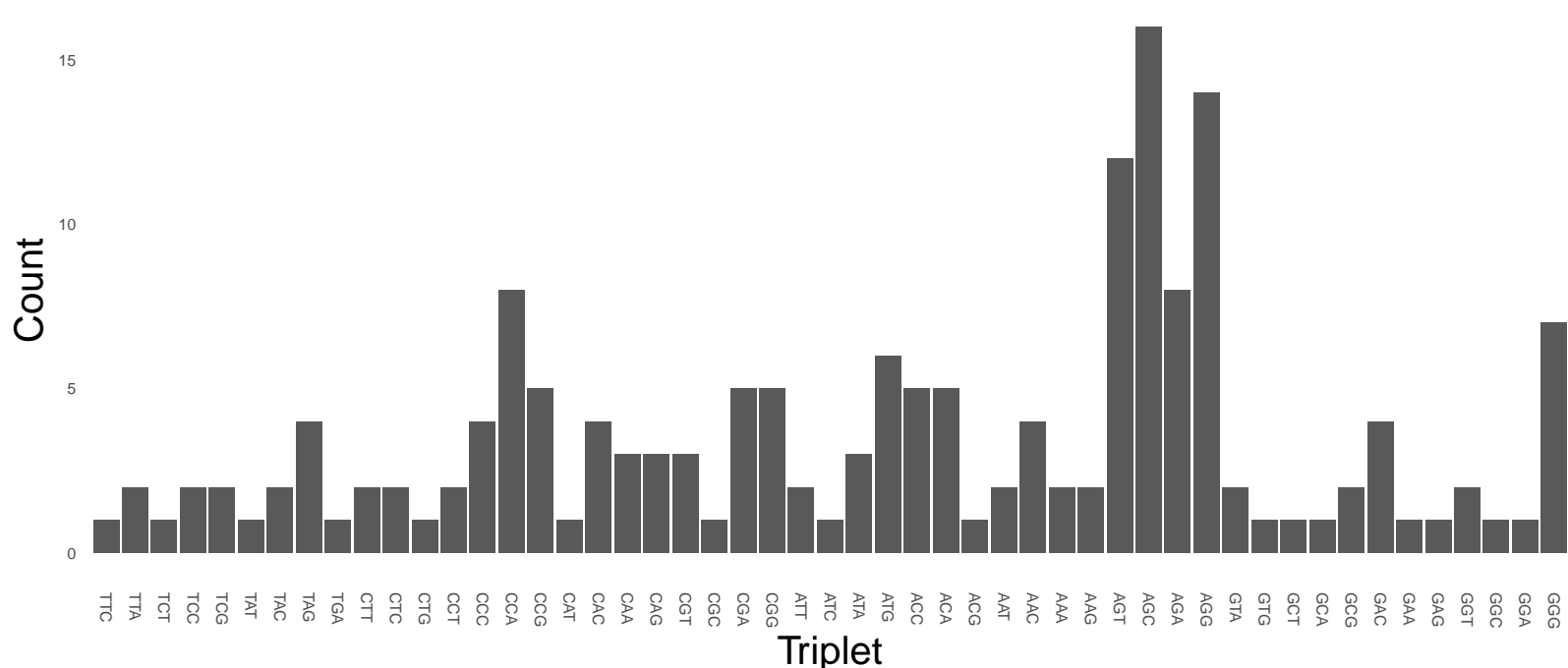
Gene TRBV7-7*ap01_C315T



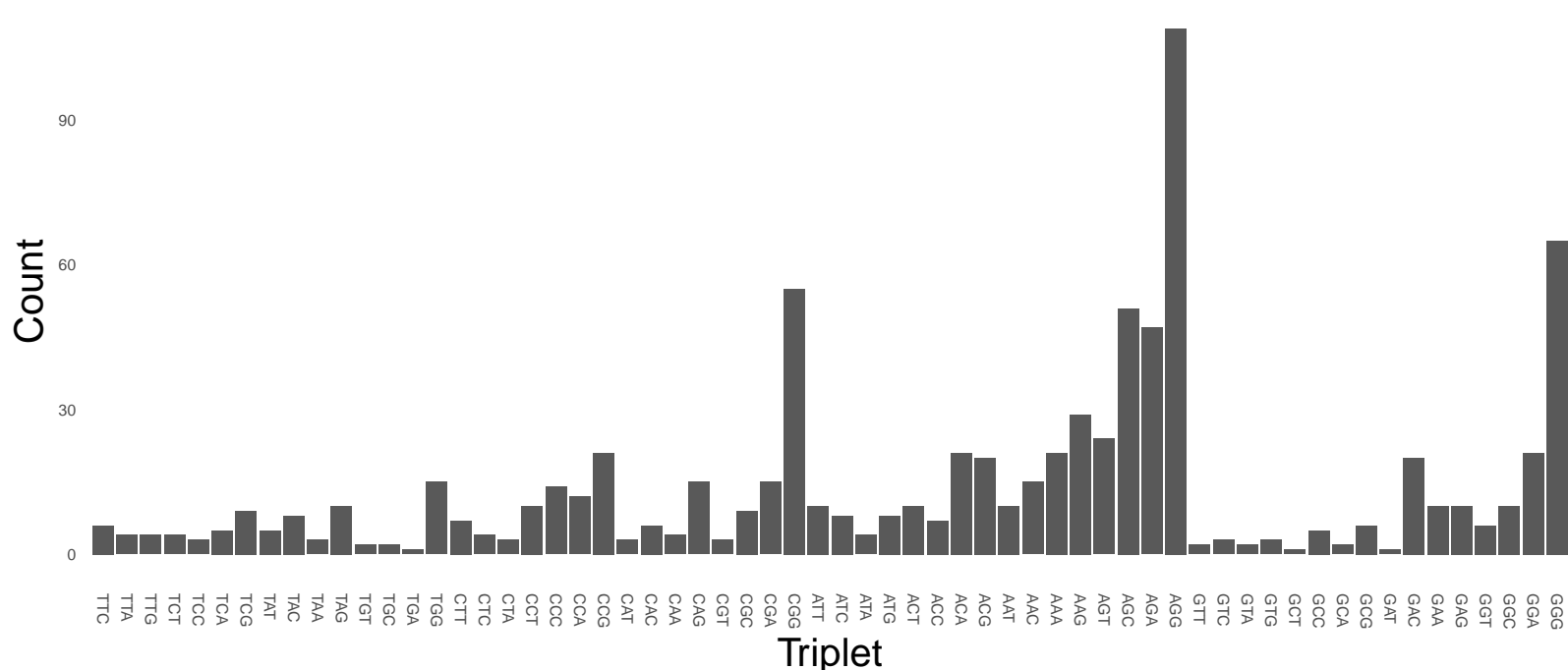
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

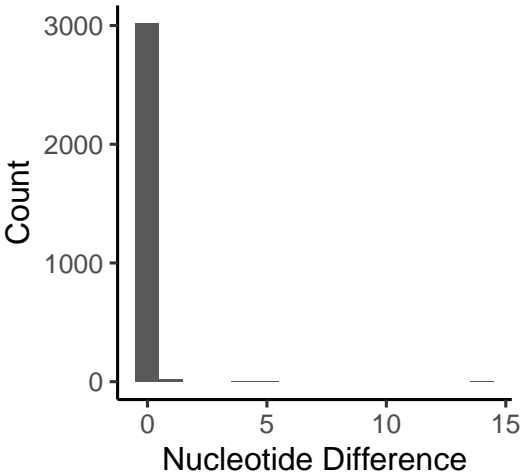


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



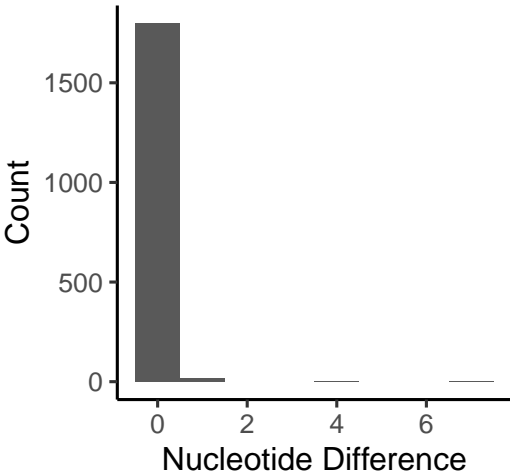
TRBV10-1*ap01

3046 sequences assigned
3018 (99.1%) exact matches, in which:
2952 unique CDR3
13 unique J



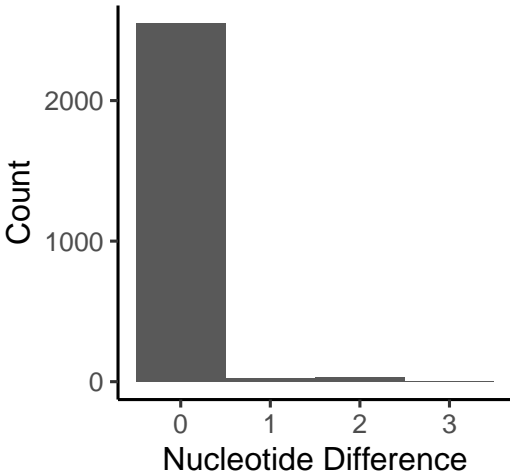
TRBV10-2*ap01

1819 sequences assigned
1798 (98.8%) exact matches, in which:
1762 unique CDR3
13 unique J



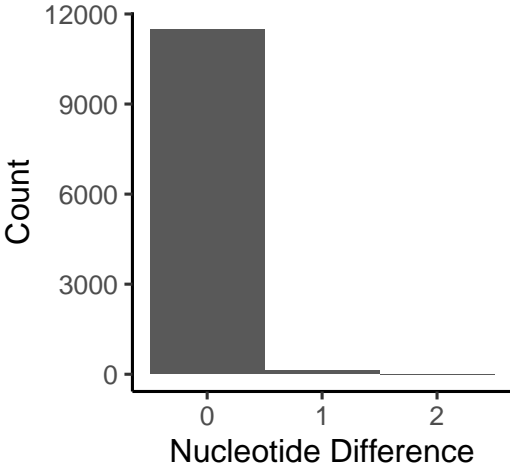
TRBV13*ap01

2606 sequences assigned
2549 (97.8%) exact matches, in which:
2469 unique CDR3
13 unique J



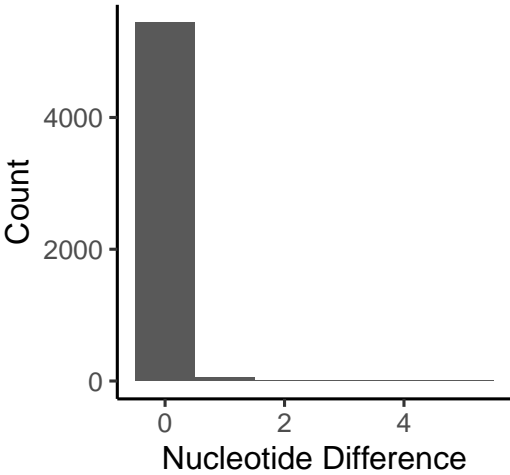
TRBV20-1*ap01

11612 sequences assigned
11484 (98.9%) exact matches, in which:
11285 unique CDR3
14 unique J



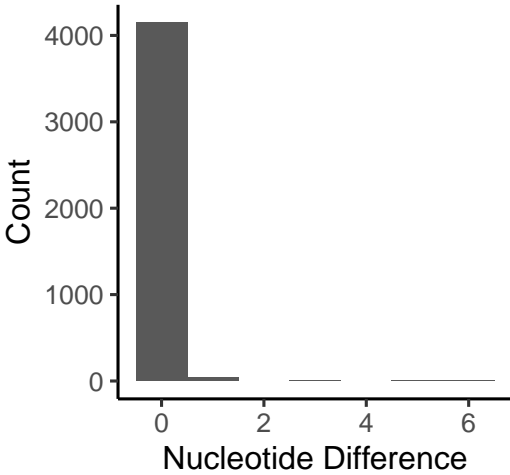
TRBV10-3*ap01

5494 sequences assigned
5438 (99%) exact matches, in which:
5313 unique CDR3
13 unique J



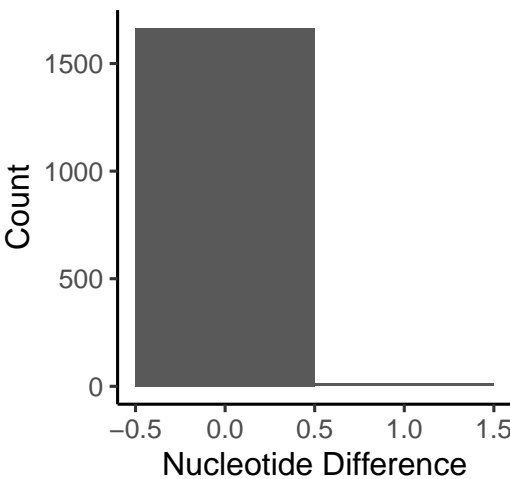
TRBV14*ap01

4187 sequences assigned
4147 (99%) exact matches, in which:
4088 unique CDR3
13 unique J



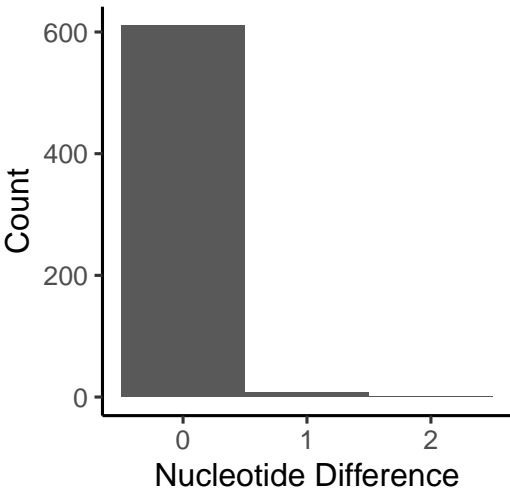
TRBV20-1*ap02

1678 sequences assigned
1665 (99.2%) exact matches, in which:
1637 unique CDR3
13 unique J



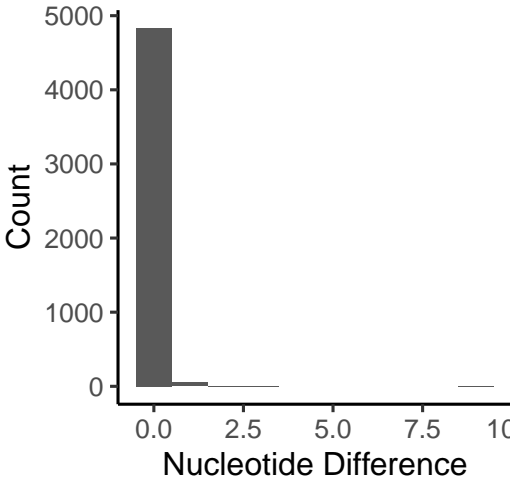
TRBV1*ap01

620 sequences assigned
611 (98.5%) exact matches, in which:
594 unique CDR3
13 unique J



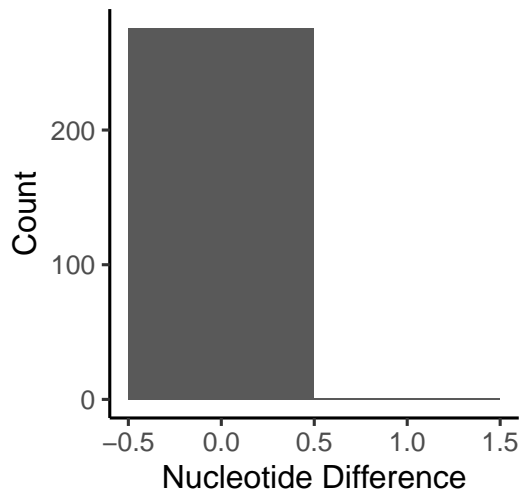
TRBV15*ap02

4889 sequences assigned
4833 (98.9%) exact matches, in which:
4720 unique CDR3
13 unique J



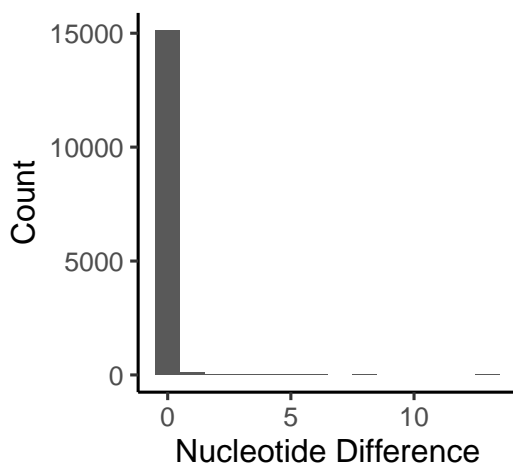
TRBV16*ap01

277 sequences assigned
276 (99.6%) exact matches, in which:
274 unique CDR3
13 unique J



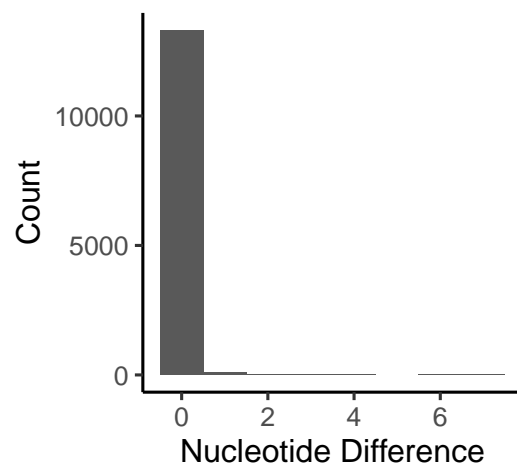
TRBV19*ap01

15273 sequences assigned
15135 (99.1%) exact matches, in which:
14951 unique CDR3
13 unique J



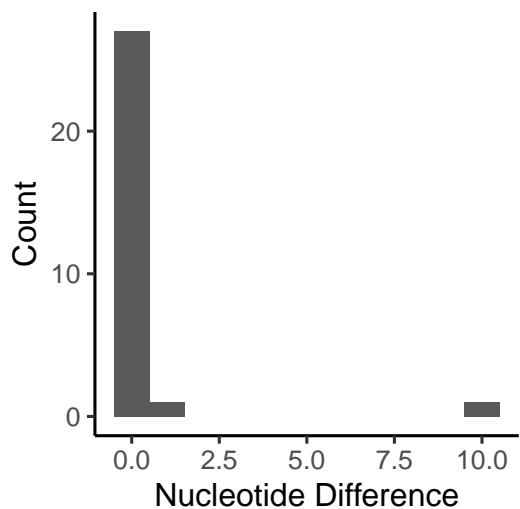
TRBV27*ap01

13439 sequences assigned
13312 (99.1%) exact matches, in which:
13007 unique CDR3
13 unique J



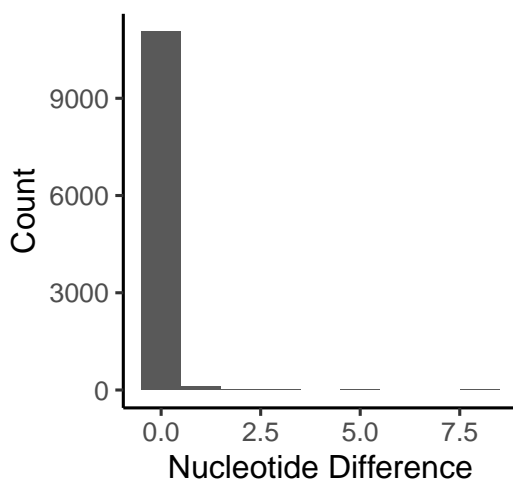
TRBV17*ap01

29 sequences assigned
27 (93.1%) exact matches, in which:
27 unique CDR3
10 unique J



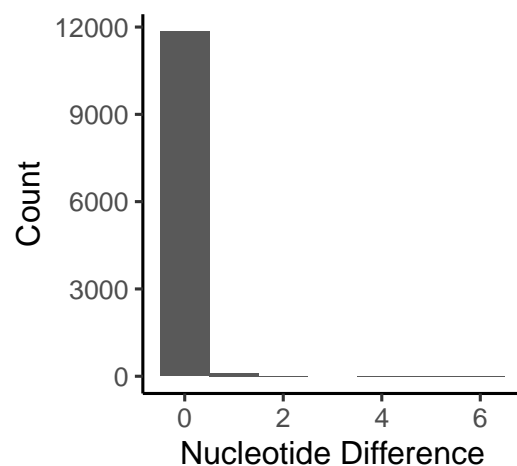
TRBV2*ap01

11174 sequences assigned
11054 (98.9%) exact matches, in which:
10800 unique CDR3
13 unique J



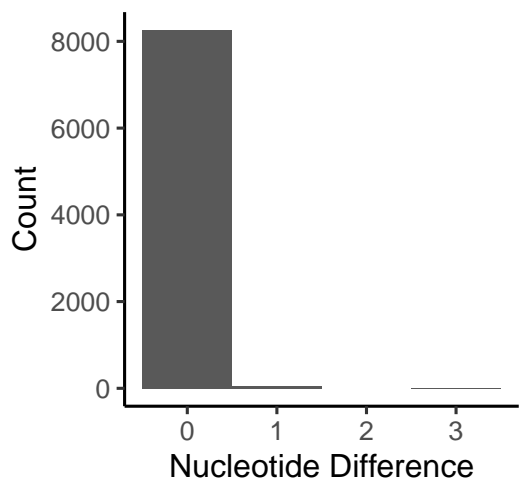
TRBV28*ap01

11966 sequences assigned
11848 (99%) exact matches, in which:
11634 unique CDR3
13 unique J



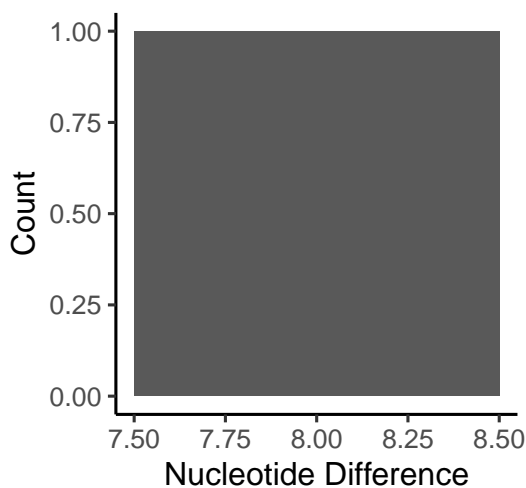
TRBV18*ap01

8320 sequences assigned
8261 (99.3%) exact matches, in which:
8135 unique CDR3
13 unique J



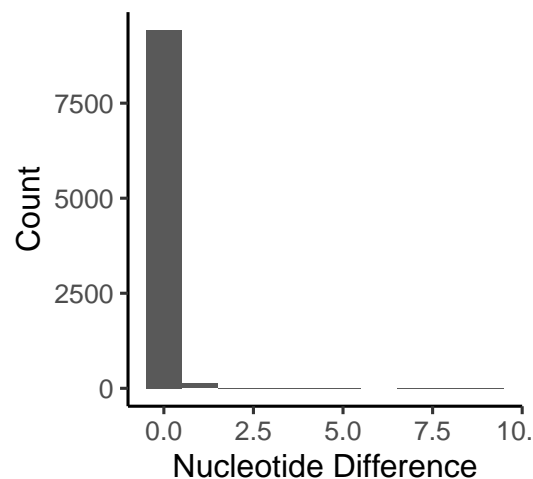
TRBV26*ap01

1 sequences assigned
No exact matches.



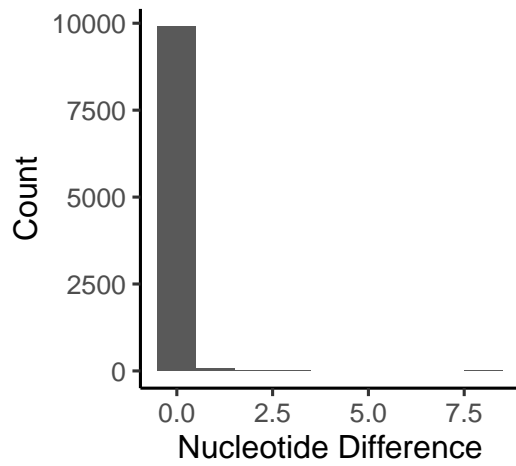
TRBV30*ap01

9575 sequences assigned
9423 (98.4%) exact matches, in which:
9190 unique CDR3
13 unique J



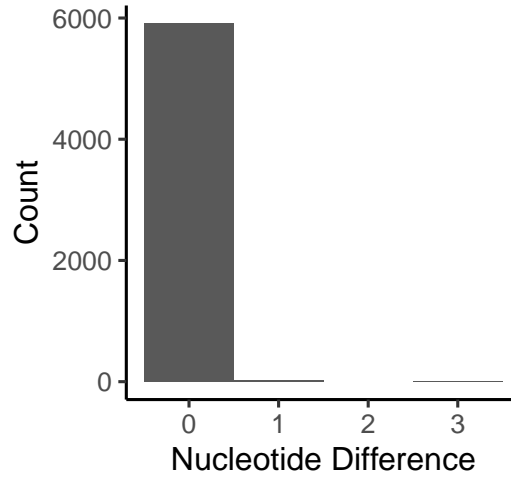
TRBV9*ap01

9990 sequences assigned
9916 (99.3%) exact matches, in which:
9769 unique CDR3
13 unique J



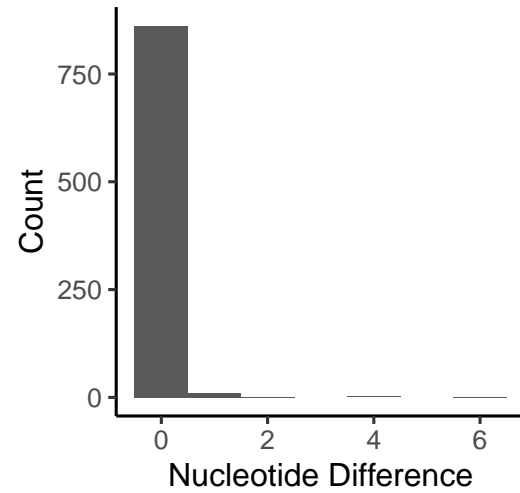
TRBV11-2*ap01

5938 sequences assigned
5911 (99.5%) exact matches, in which:
5846 unique CDR3
13 unique J



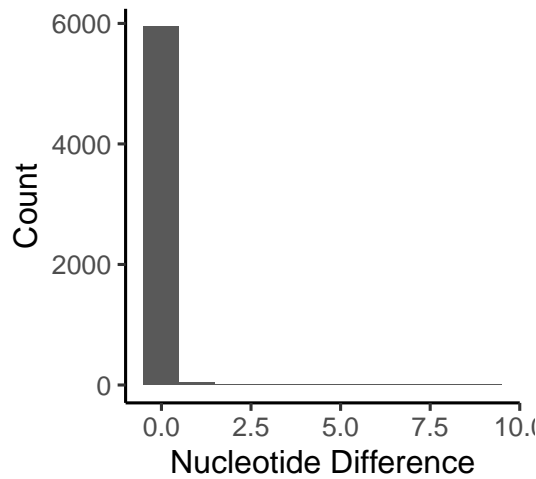
TRBV12-2*ap01

876 sequences assigned
862 (98.4%) exact matches, in which:
842 unique CDR3
13 unique J



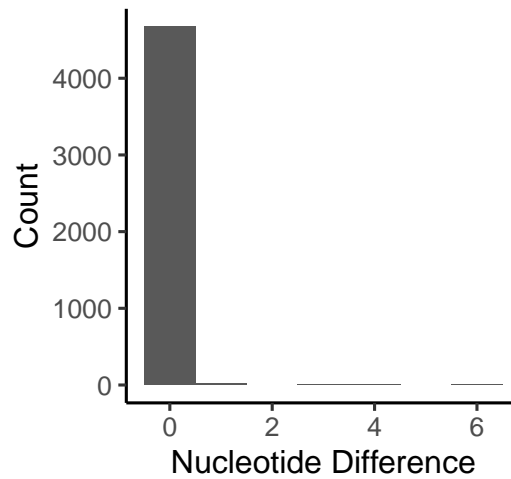
TRBV21-1*ap01

6026 sequences assigned
5945 (98.7%) exact matches, in which:
5870 unique CDR3
13 unique J



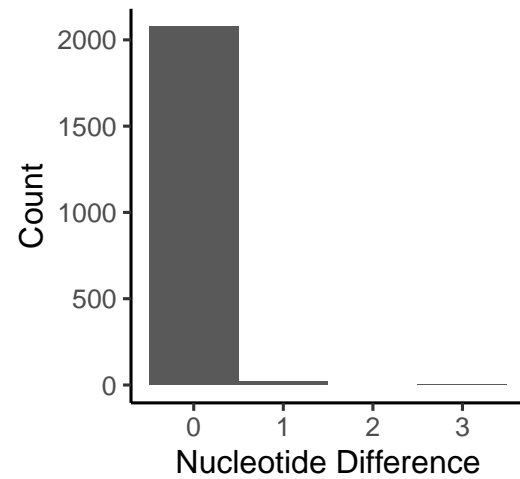
TRBV11-3*ap01

4700 sequences assigned
4672 (99.4%) exact matches, in which:
4614 unique CDR3
13 unique J



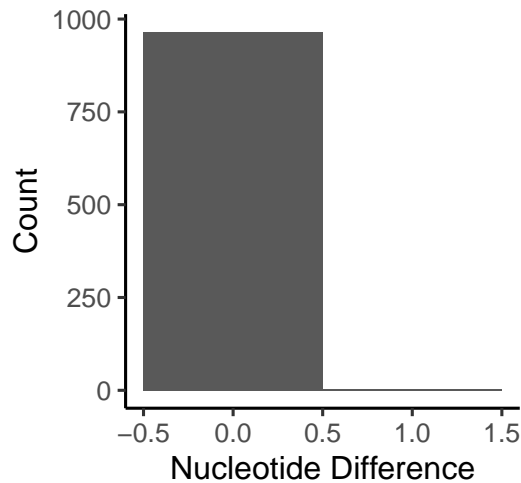
TRBV12-5*ap01

2096 sequences assigned
2076 (99%) exact matches, in which:
2036 unique CDR3
13 unique J



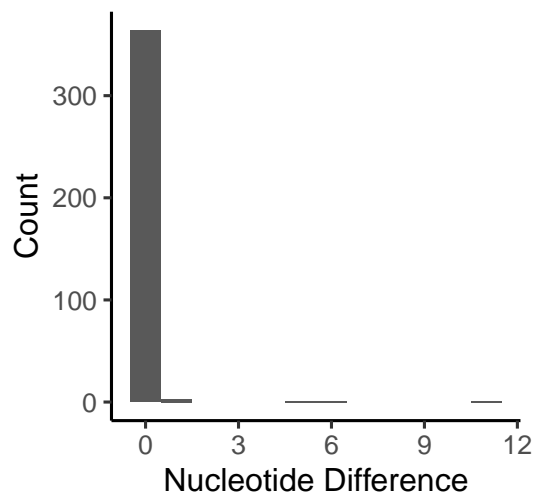
TRBV11-1*ap01

969 sequences assigned
965 (99.6%) exact matches, in which:
951 unique CDR3
13 unique J



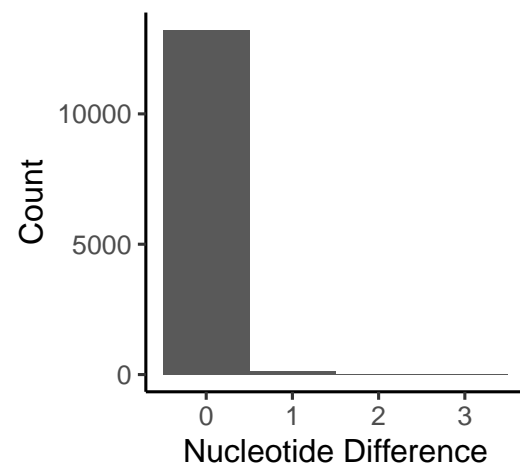
TRBV12-1*ap01

370 sequences assigned
364 (98.4%) exact matches, in which:
359 unique CDR3
13 unique J



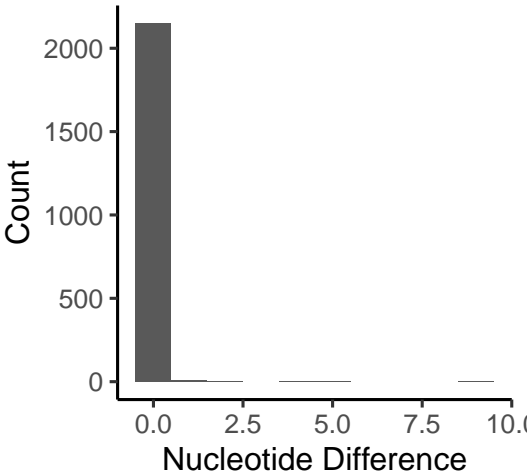
TRBV12-34*ap01

13364 sequences assigned
13225 (99%) exact matches, in which:
12920 unique CDR3
13 unique J



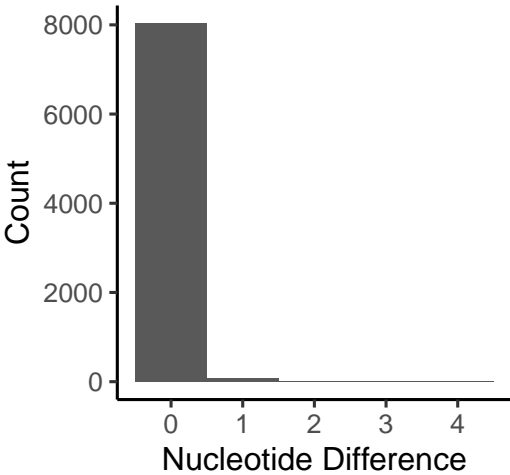
TRBV23-1*ap01

2167 sequences assigned
2149 (99.2%) exact matches, in which:
2105 unique CDR3
13 unique J



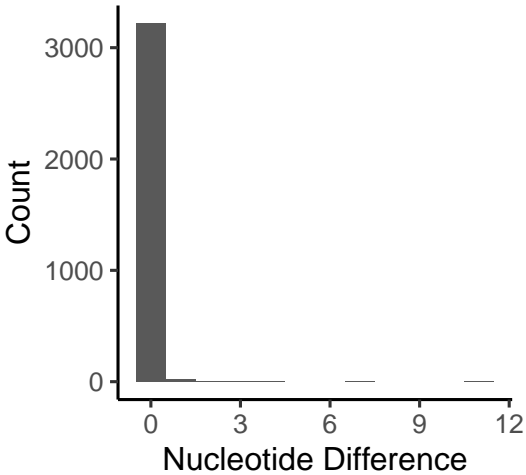
TRBV24-1*ap01

8120 sequences assigned
8032 (98.9%) exact matches, in which:
7880 unique CDR3
13 unique J



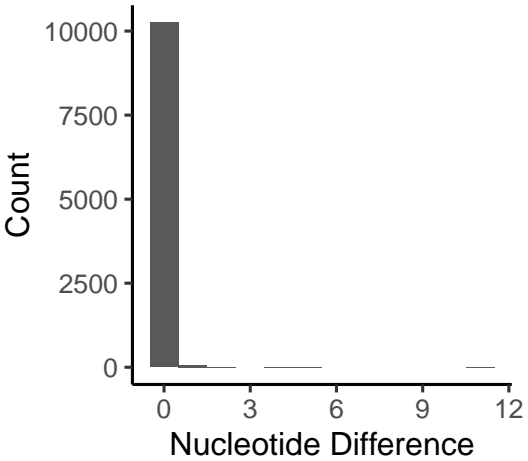
TRBV25-1*ap01

3252 sequences assigned
3218 (99%) exact matches, in which:
3139 unique CDR3
13 unique J



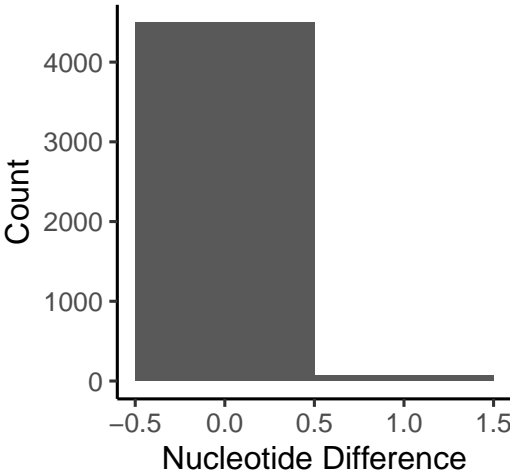
TRBV3-12*ap01

10334 sequences assigned
10256 (99.2%) exact matches, in which:
10131 unique CDR3
13 unique J



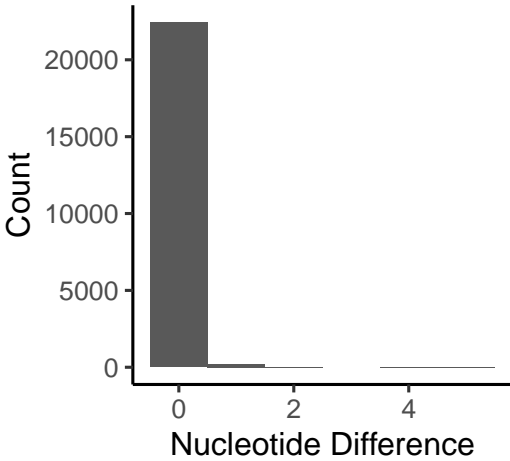
TRBV4-2*ap01

4558 sequences assigned
4494 (98.6%) exact matches, in which:
4374 unique CDR3
13 unique J



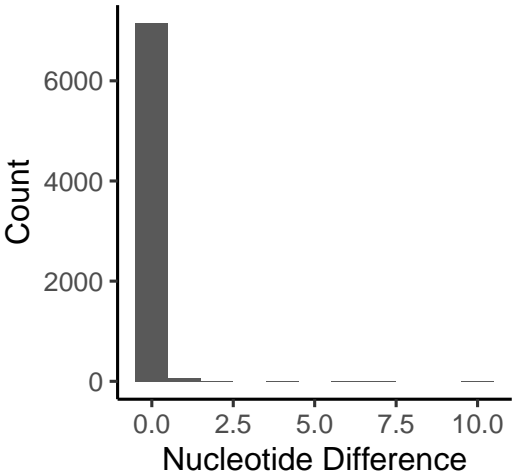
TRBV5-1*ap01

22654 sequences assigned
22428 (99%) exact matches, in which:
21817 unique CDR3
14 unique J



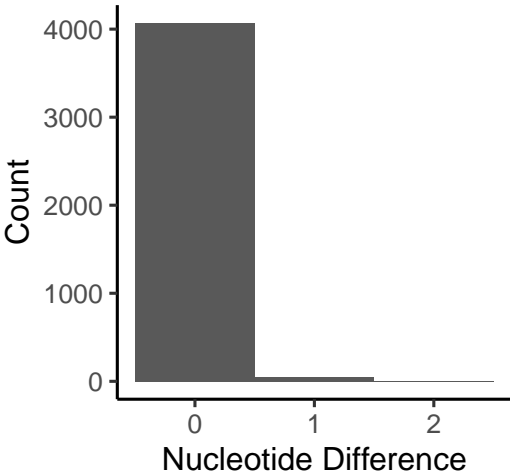
TRBV4-1*ap01

7228 sequences assigned
7153 (99%) exact matches, in which:
6957 unique CDR3
13 unique J



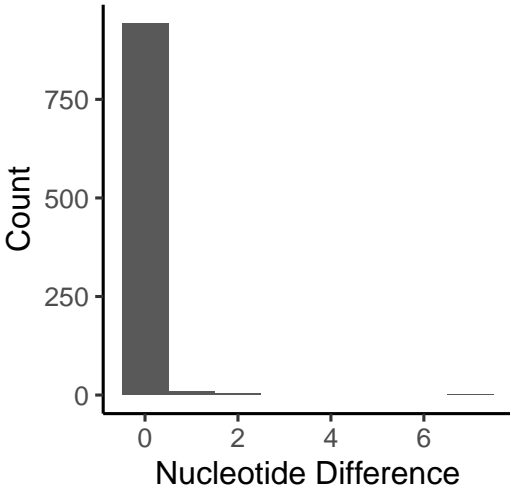
TRBV4-3*ap01

4120 sequences assigned
4069 (98.8%) exact matches, in which:
3928 unique CDR3
13 unique J



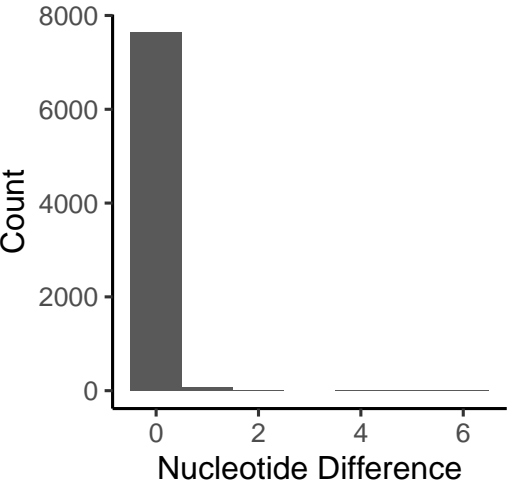
TRBV5-3*ap01

957 sequences assigned
943 (98.5%) exact matches, in which:
928 unique CDR3
13 unique J



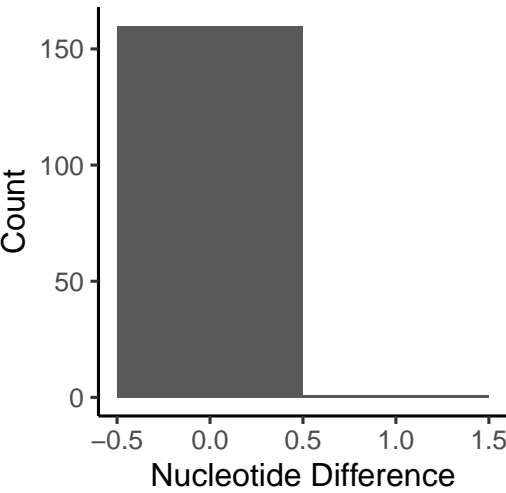
TRBV5-4*ap01

7715 sequences assigned
7639 (99%) exact matches, in which:
7458 unique CDR3
13 unique J



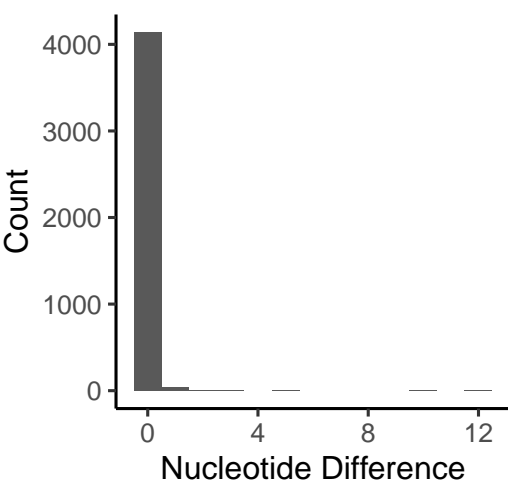
TRBV5-7*ap01

161 sequences assigned
160 (99.4%) exact matches, in which:
157 unique CDR3
13 unique J



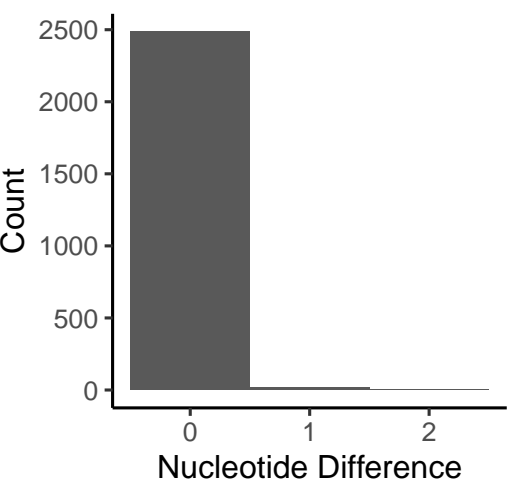
TRBV6-4*ap01

4193 sequences assigned
4138 (98.7%) exact matches, in which:
4072 unique CDR3
13 unique J



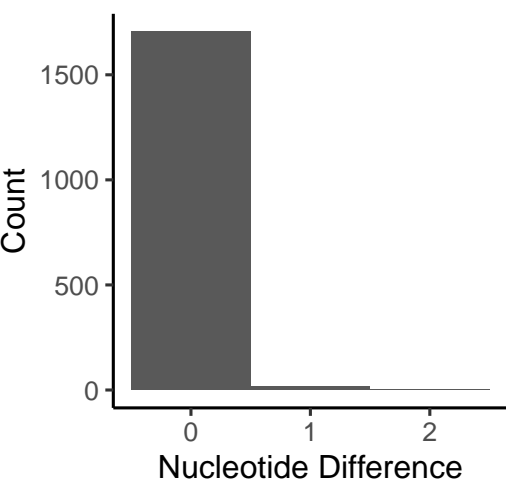
TRBV5-5*ap01

2502 sequences assigned
2486 (99.4%) exact matches, in which:
2462 unique CDR3
13 unique J



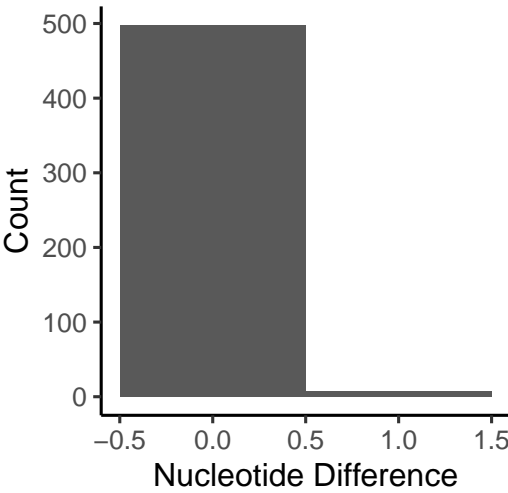
TRBV5-8*ap01

1725 sequences assigned
1705 (98.8%) exact matches, in which:
1676 unique CDR3
13 unique J



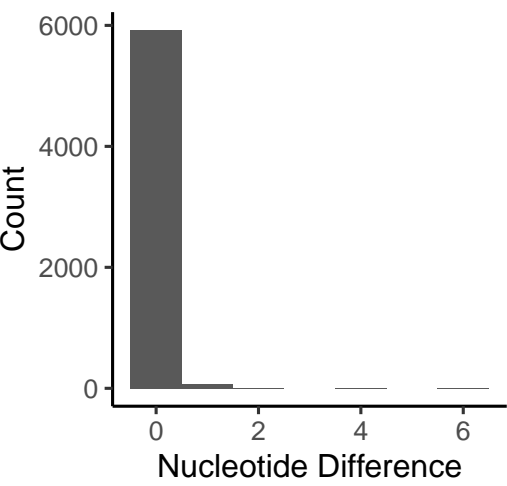
TRBV6-7*ap01

506 sequences assigned
498 (98.4%) exact matches, in which:
490 unique CDR3
13 unique J



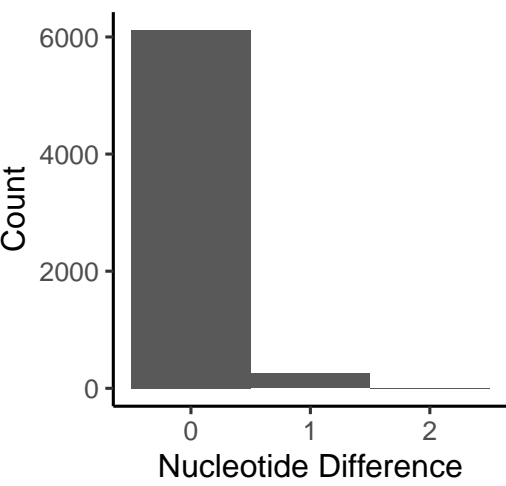
TRBV5-6*ap01

5995 sequences assigned
5923 (98.8%) exact matches, in which:
5736 unique CDR3
13 unique J



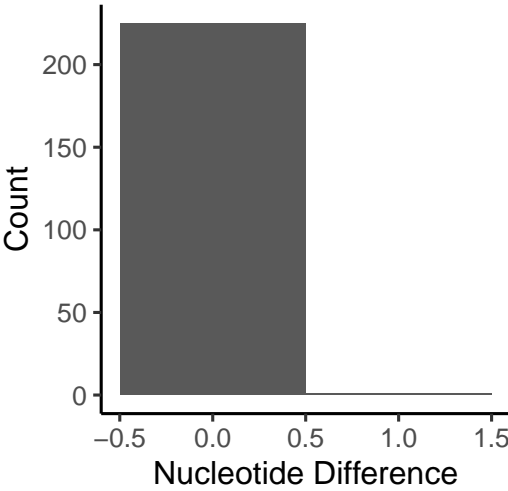
TRBV6-1*ap01

6376 sequences assigned
6118 (96%) exact matches, in which:
5959 unique CDR3
13 unique J



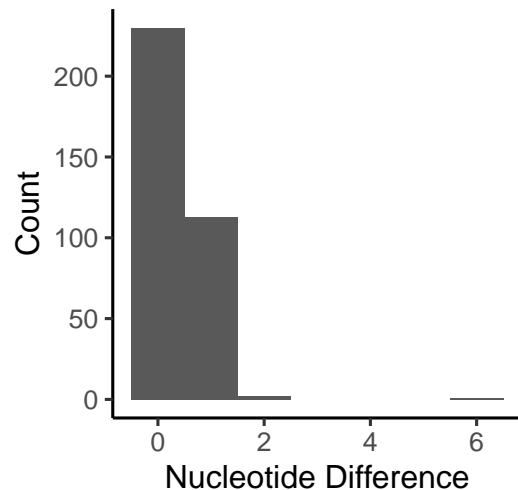
TRBV6-8*ap01

226 sequences assigned
225 (99.6%) exact matches, in which:
216 unique CDR3
13 unique J



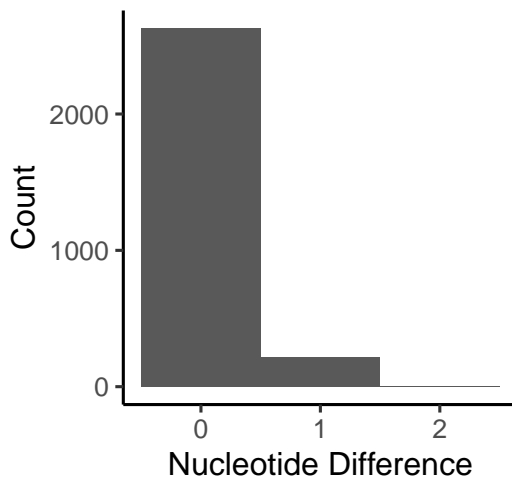
TRBV6–9*ap01

346 sequences assigned
230 (66.5%) exact matches, in which:
226 unique CDR3
13 unique J



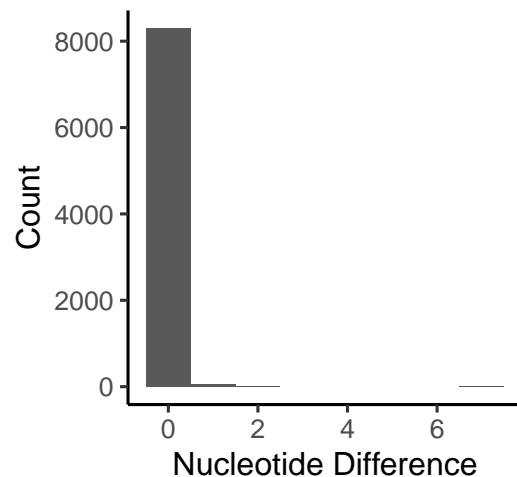
TRBV6–56*ap02

2849 sequences assigned
2628 (92.2%) exact matches, in which:
2550 unique CDR3
13 unique J



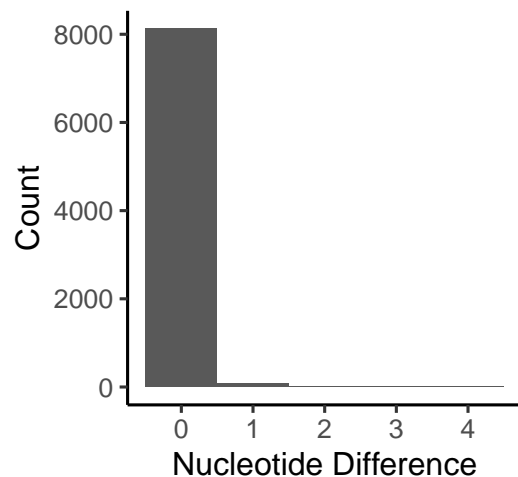
TRBV7–2*ap01

8354 sequences assigned
8296 (99.3%) exact matches, in which:
8138 unique CDR3
13 unique J



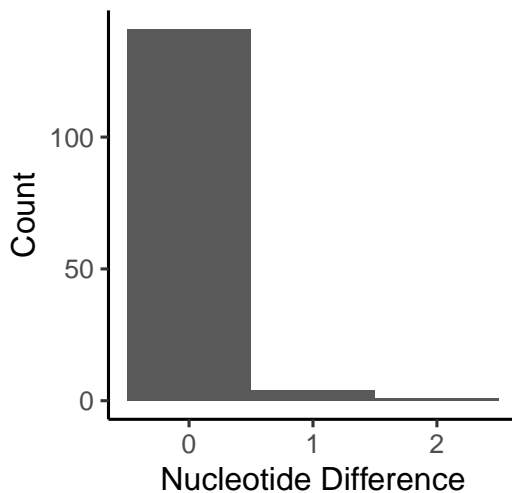
TRBV6–23*ap01

8210 sequences assigned
8126 (99%) exact matches, in which:
7865 unique CDR3
13 unique J



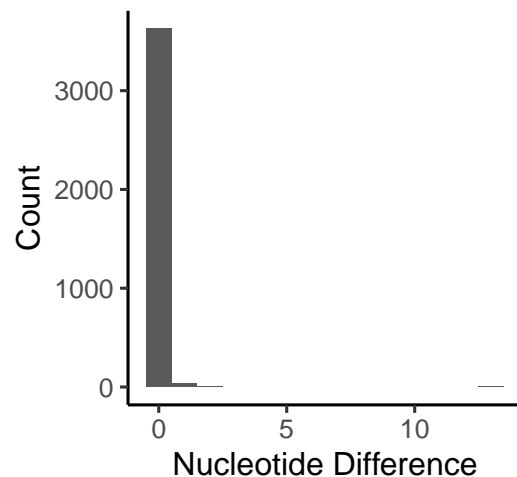
TRBV7–1*ap01_G291C_

146 sequences assigned
141 (96.6%) exact matches, in which:
139 unique CDR3
13 unique J



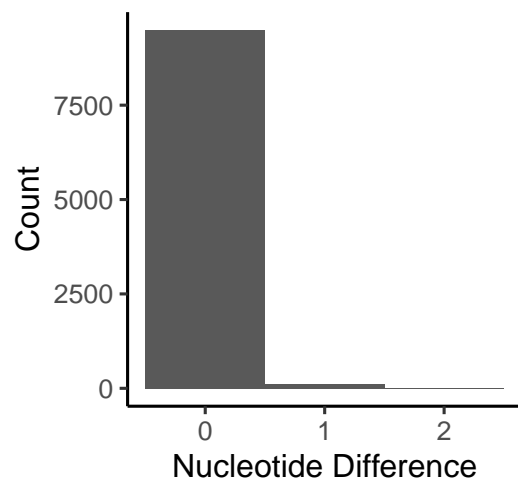
TRBV7–3*ap01

3662 sequences assigned
3627 (99%) exact matches, in which:
3578 unique CDR3
13 unique J



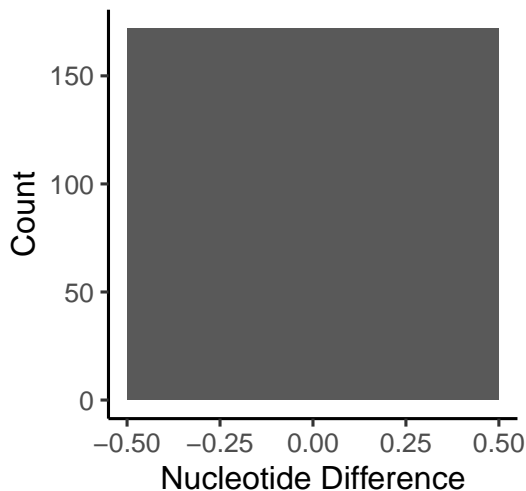
TRBV6–56*ap01

9602 sequences assigned
9490 (98.8%) exact matches, in which:
9204 unique CDR3
13 unique J



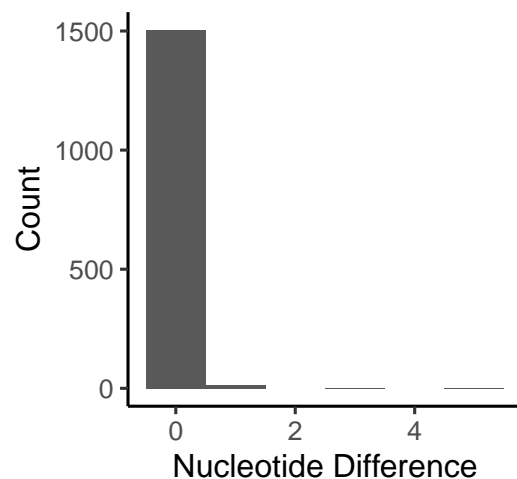
TRBV7–1*ap01_G291C_

172 sequences assigned
172 (100%) exact matches, in which:
171 unique CDR3
13 unique J



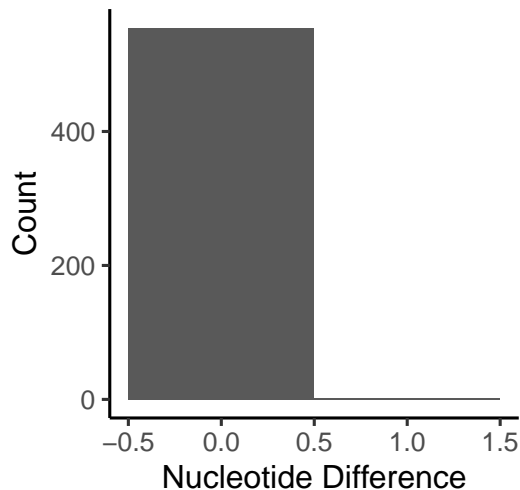
TRBV7–3*ap03

1520 sequences assigned
1504 (98.9%) exact matches, in which:
1476 unique CDR3
13 unique J



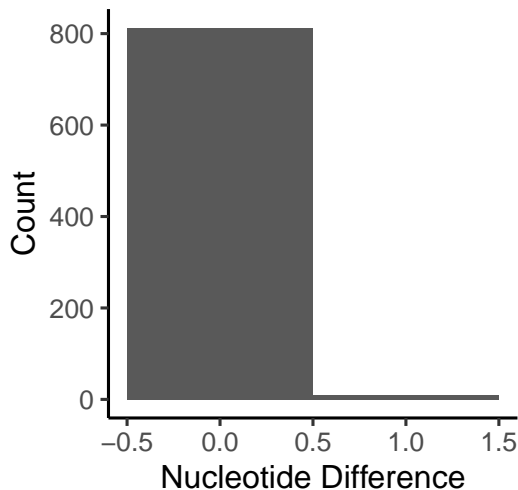
TRBV7-4*ap01

557 sequences assigned
555 (99.6%) exact matches, in which:
539 unique CDR3
13 unique J



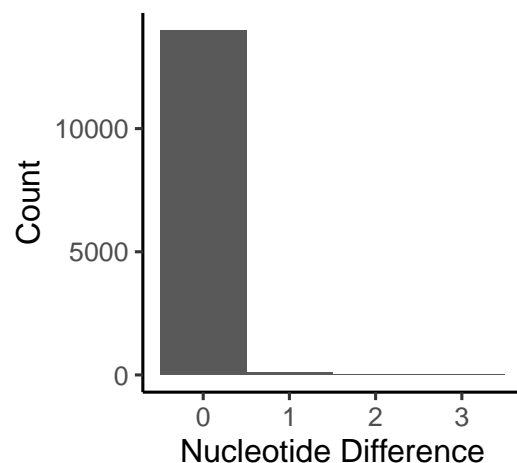
TRBV7-7*ap01_C315T

823 sequences assigned
813 (98.8%) exact matches, in which:
798 unique CDR3
13 unique J



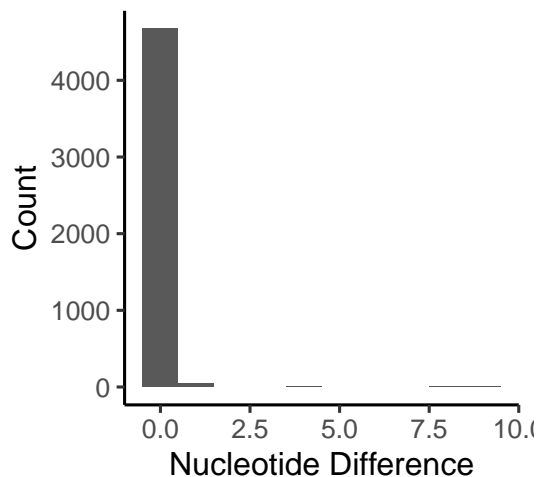
TRBV7-9*ap01

14117 sequences assigned
13998 (99.2%) exact matches, in which:
13735 unique CDR3
13 unique J



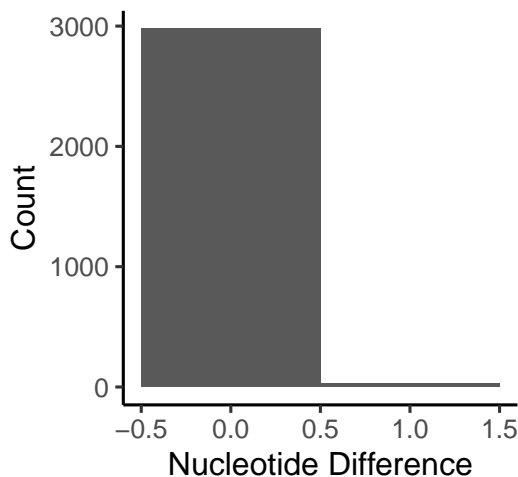
TRBV7-6*ap01

4720 sequences assigned
4673 (99%) exact matches, in which:
4571 unique CDR3
13 unique J



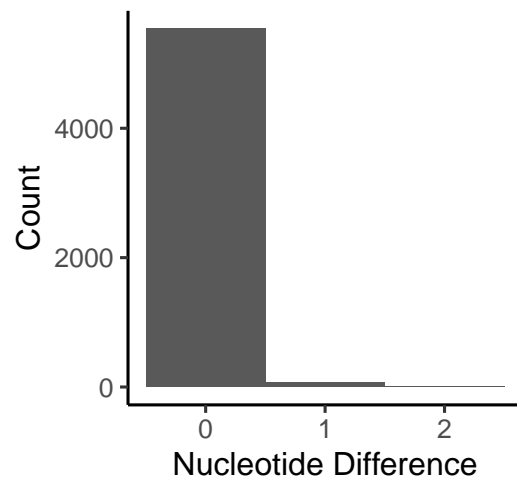
TRBV7-8*ap01

3005 sequences assigned
2978 (99.1%) exact matches, in which:
2904 unique CDR3
13 unique J



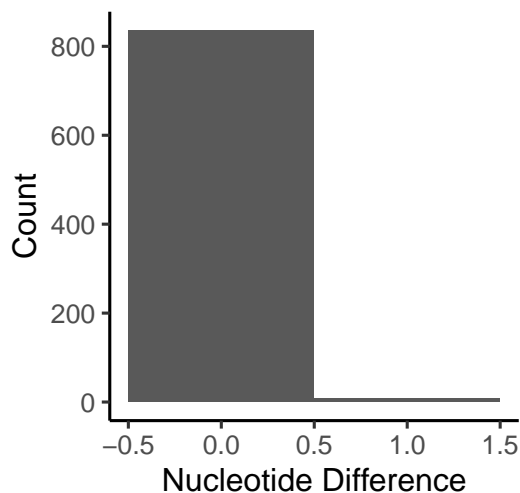
TRBV29-1*ap01

5607 sequences assigned
5539 (98.8%) exact matches, in which:
5388 unique CDR3
13 unique J



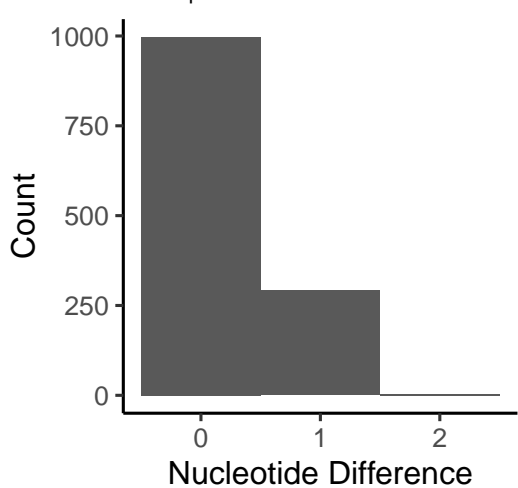
TRBV7-7*ap01

844 sequences assigned
836 (99.1%) exact matches, in which:
821 unique CDR3
13 unique J



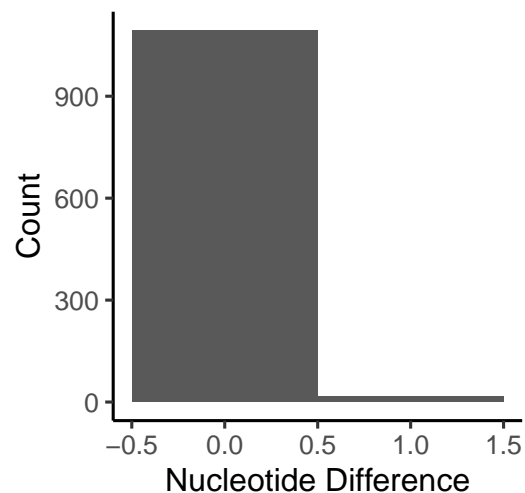
TRBV7-8*ap03

1293 sequences assigned
997 (77.1%) exact matches, in which:
976 unique CDR3
13 unique J

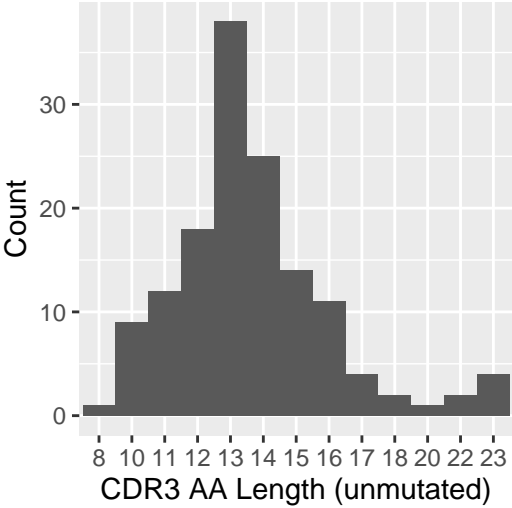


TRBV29-1*ap02

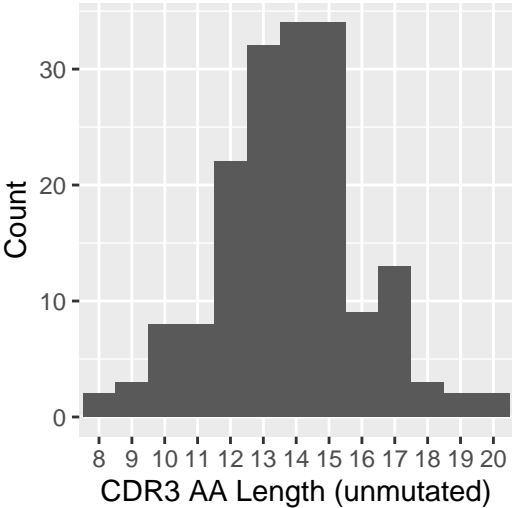
1110 sequences assigned
1094 (98.6%) exact matches, in which:
1058 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

