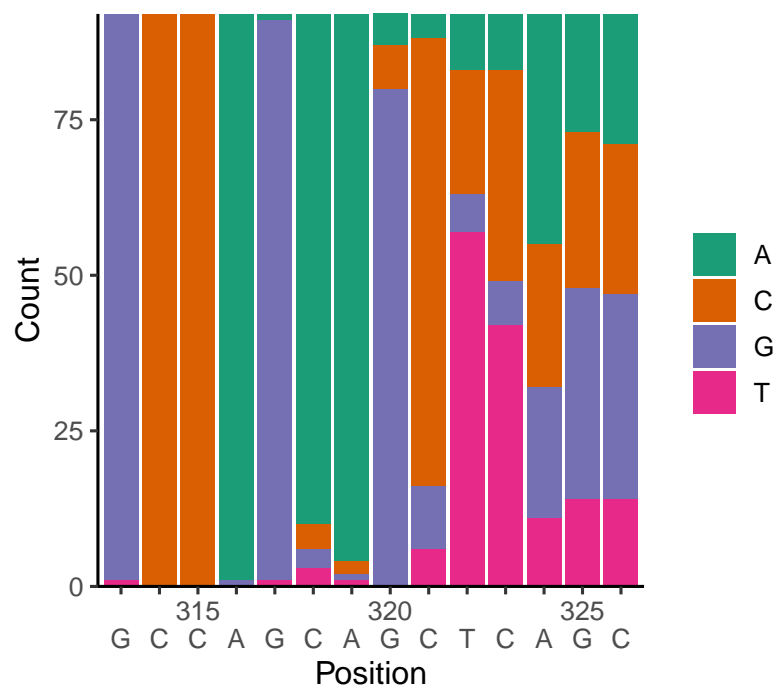
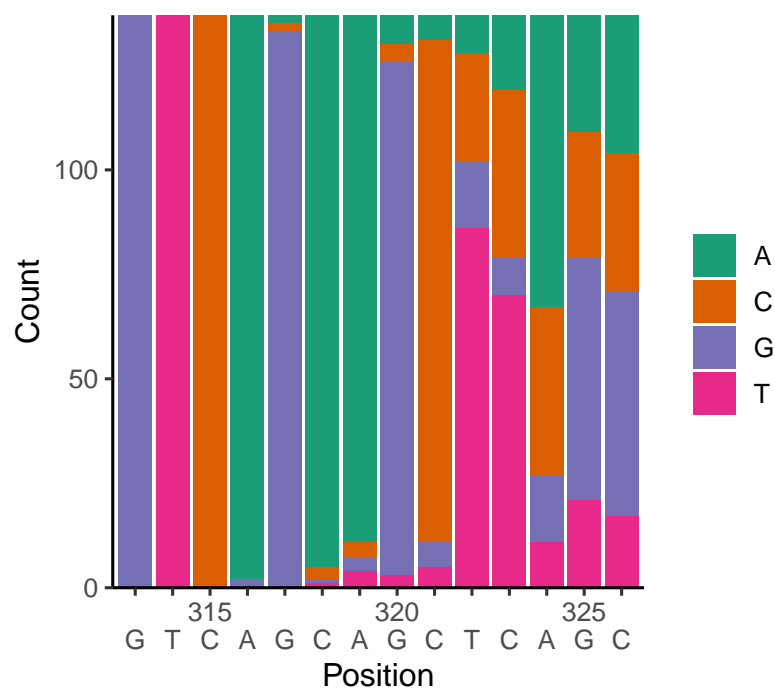


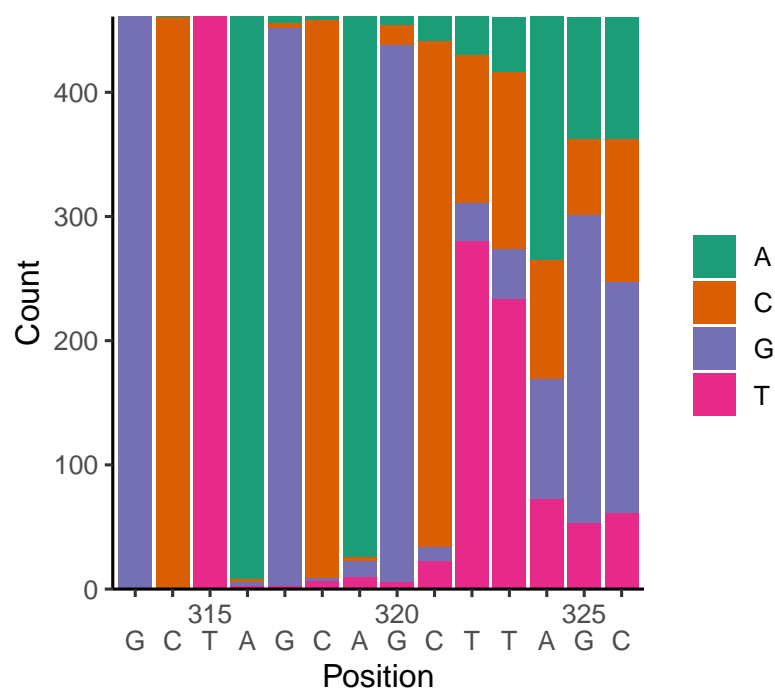
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



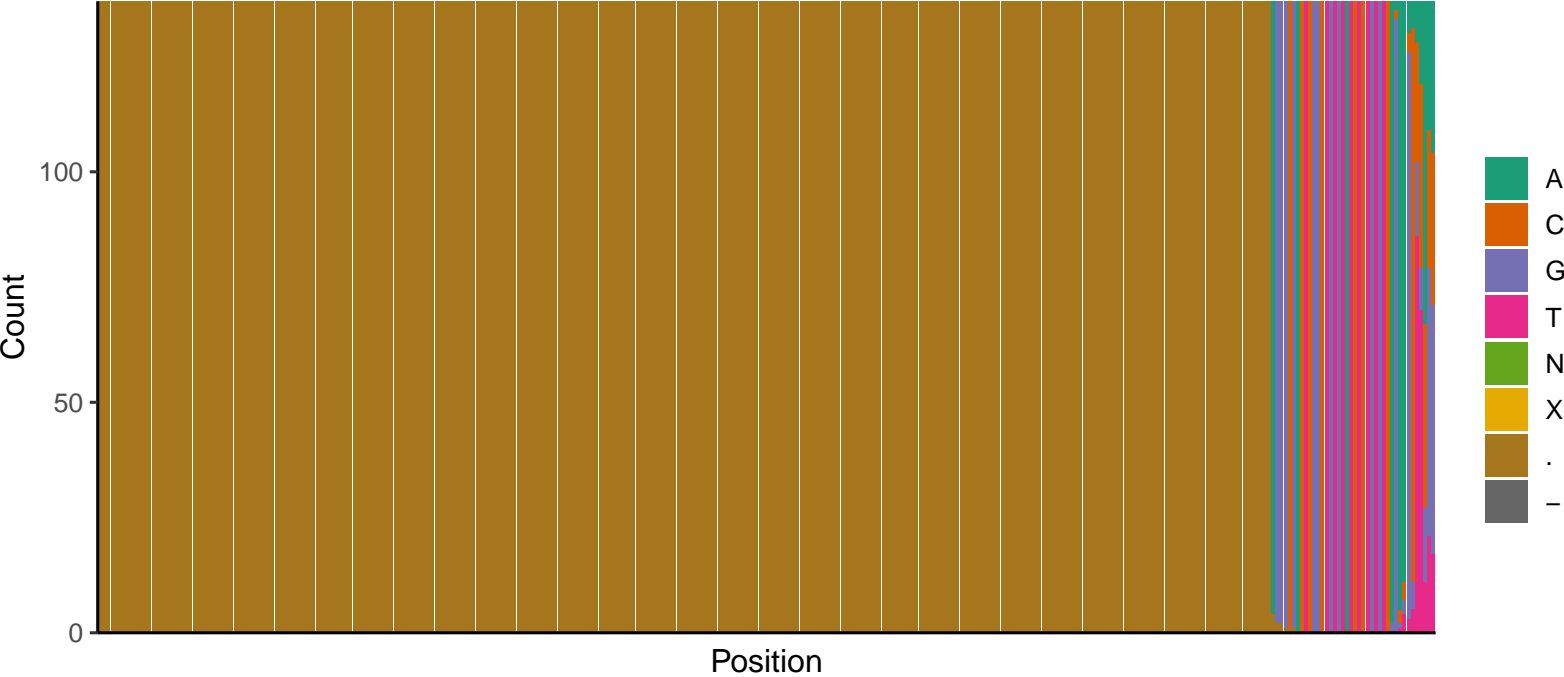
Gene TRBV7-7*ap01_C315T



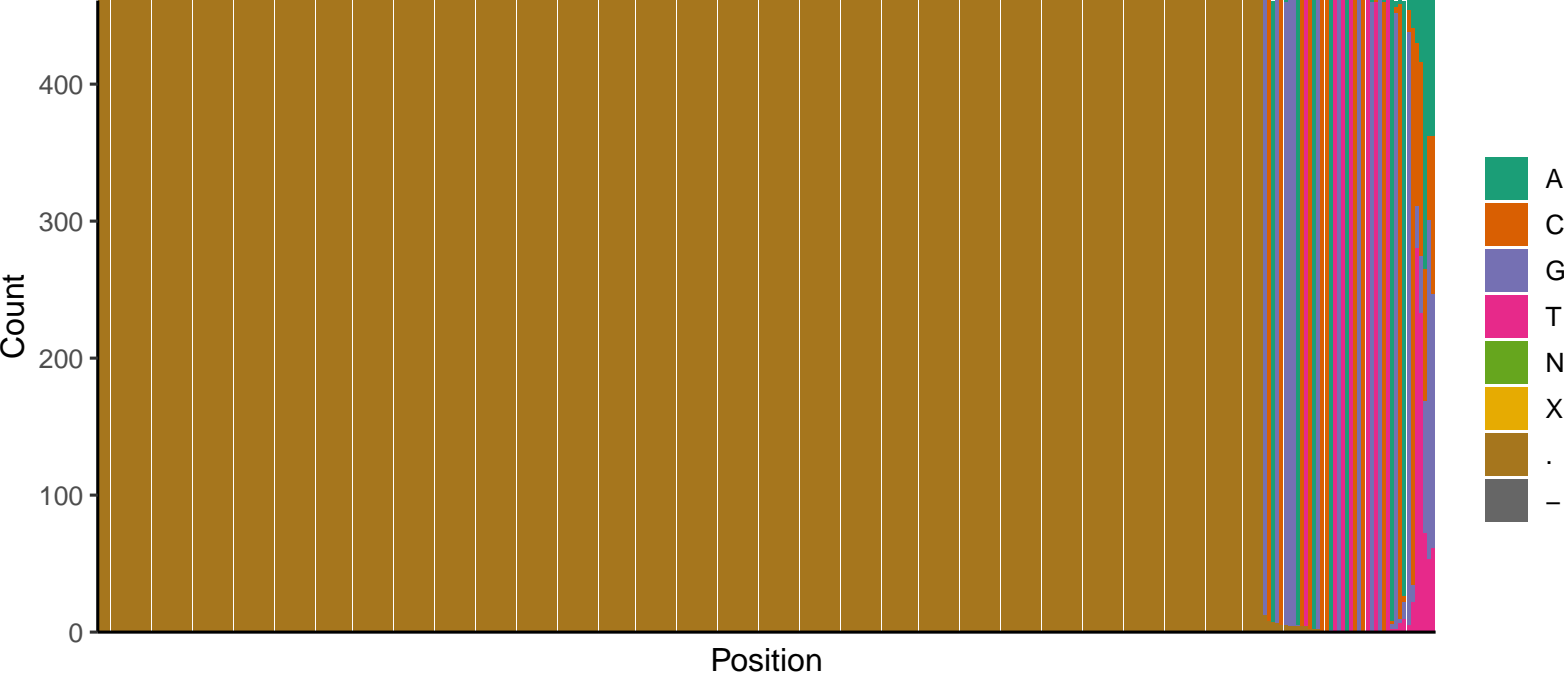
Gene TRBV7-1*ap01_G291C_T296C



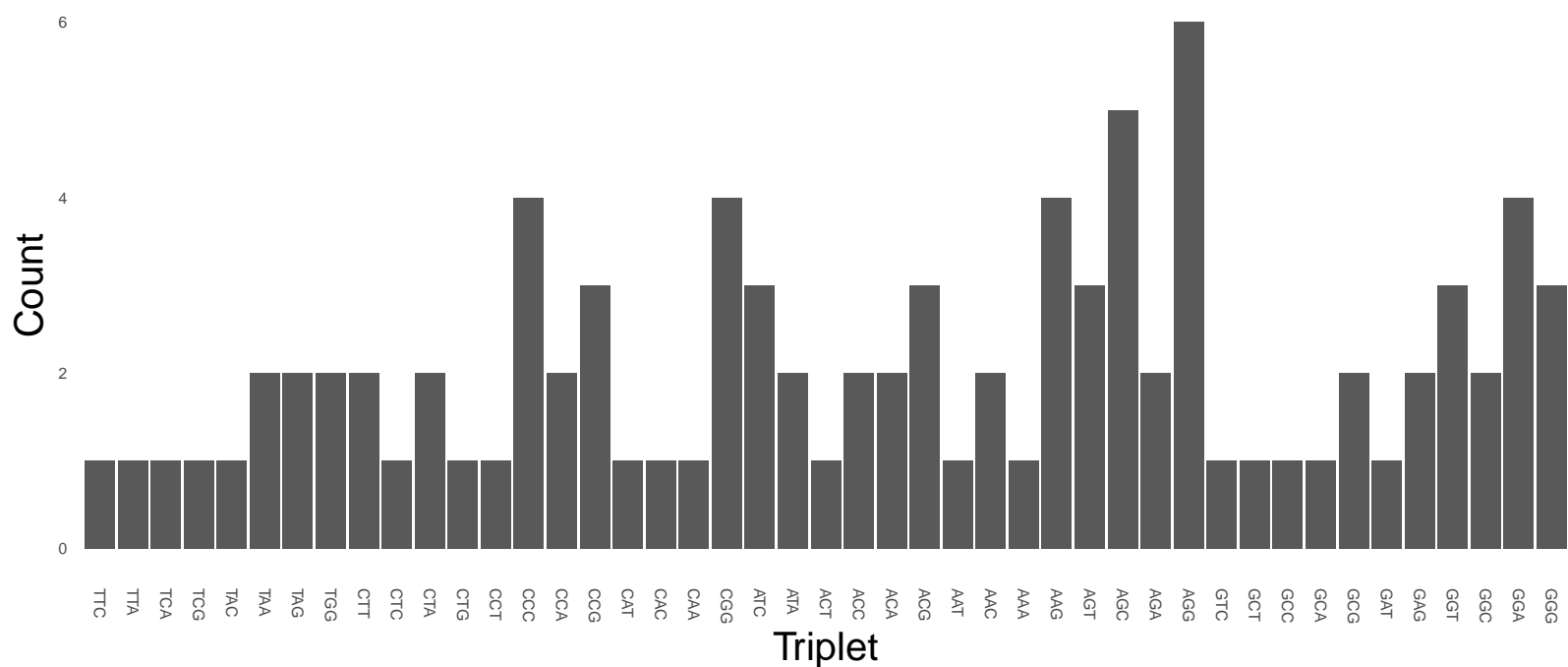
Gene TRBV7-1*ap01_G291C_T296C_C314T



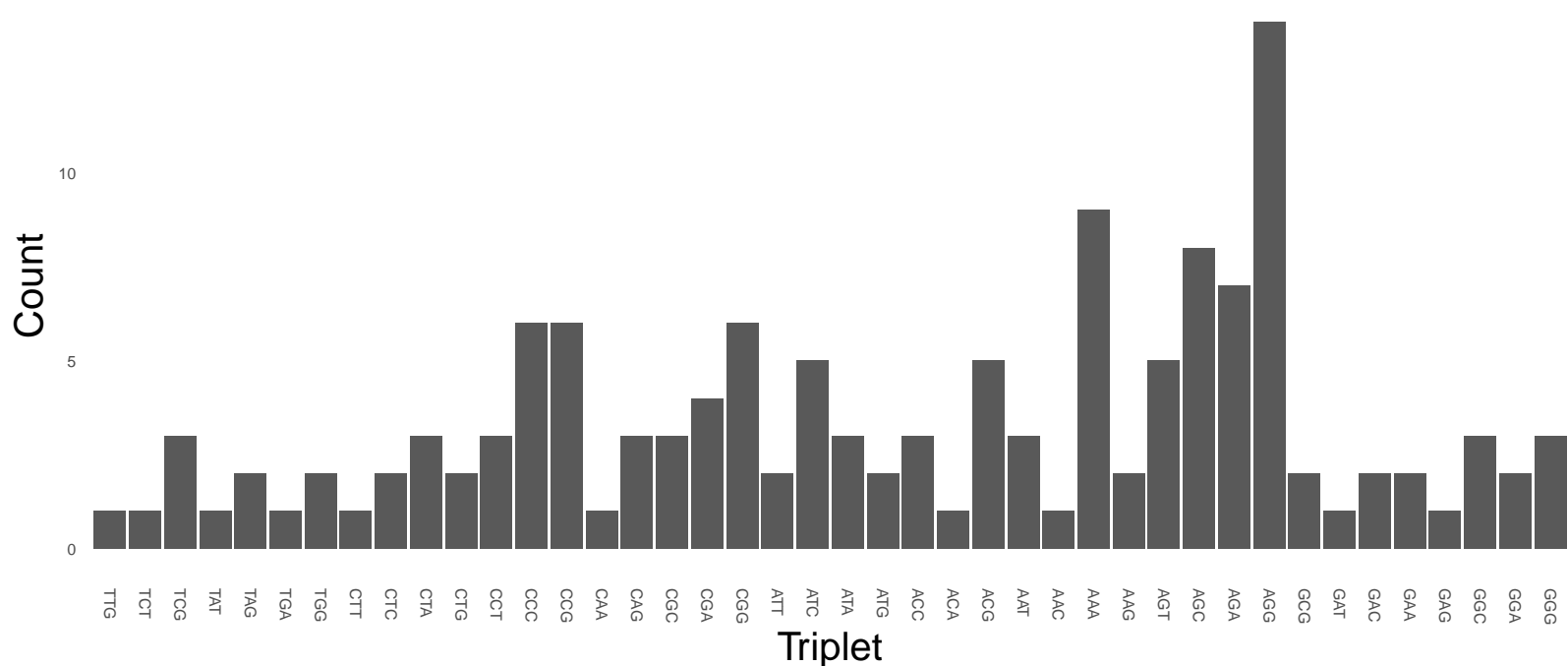
Gene TRBV7-7*ap01_C315T



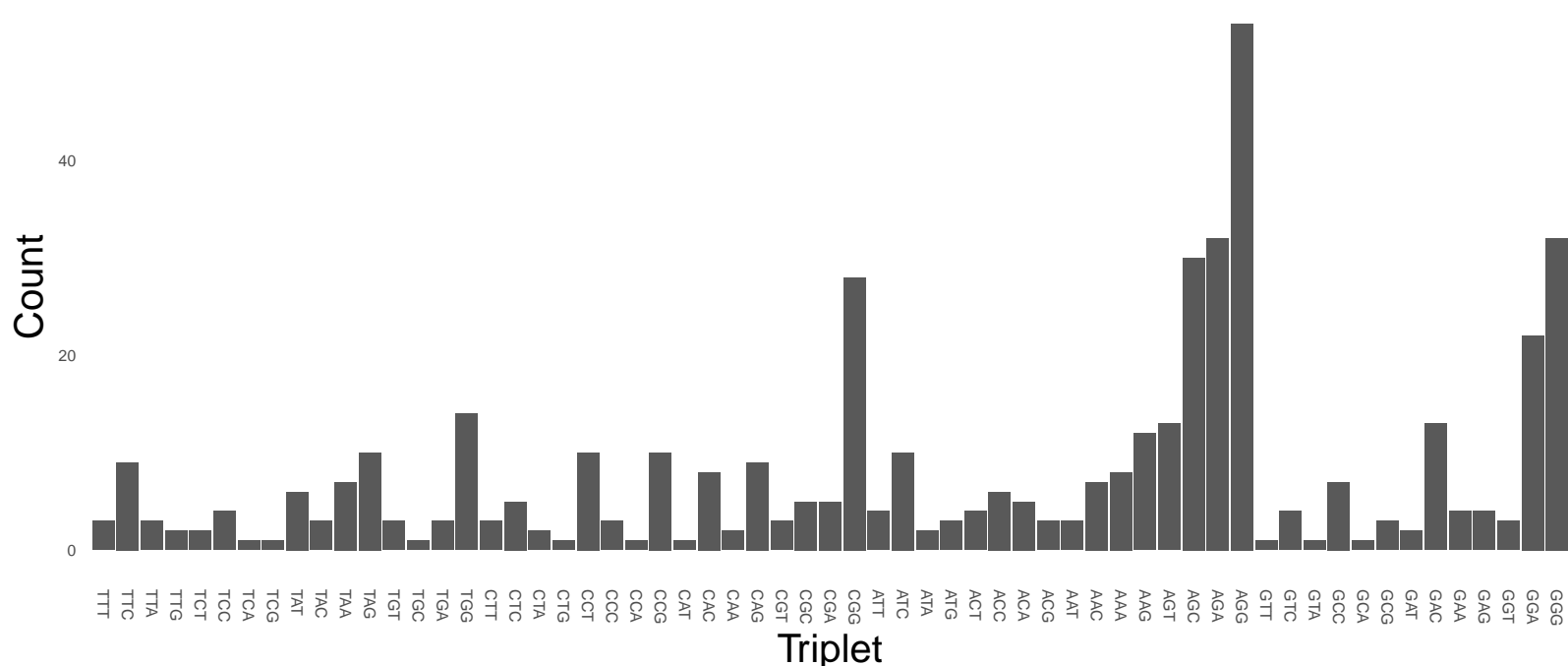
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

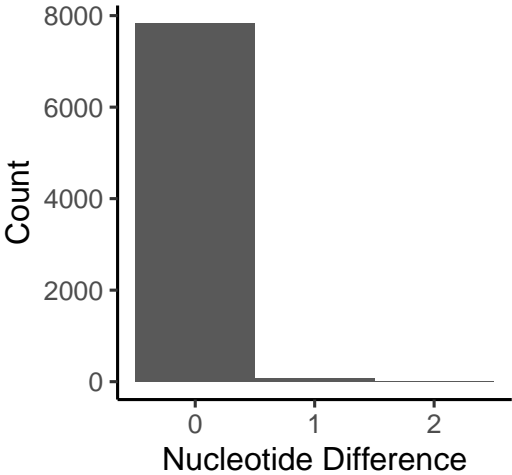


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



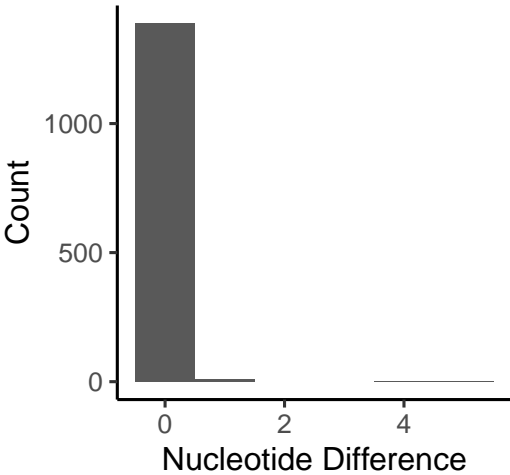
TRBV20-1*ap01

7898 sequences assigned
7830 (99.1%) exact matches, in which:
7735 unique CDR3
13 unique J



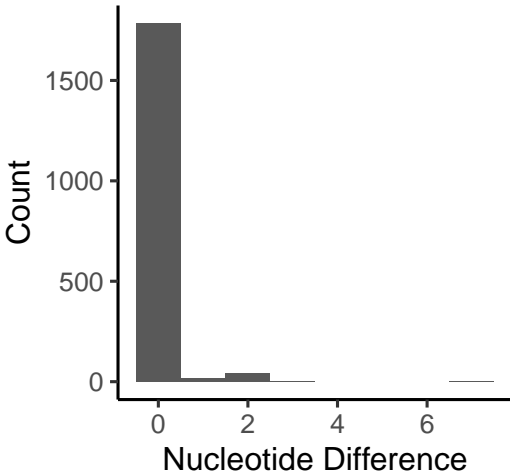
TRBV10-2*ap01

1401 sequences assigned
1388 (99.1%) exact matches, in which:
1363 unique CDR3
13 unique J



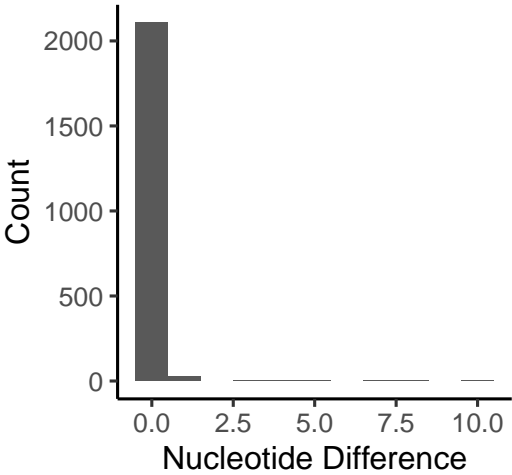
TRBV13*ap01

1842 sequences assigned
1784 (96.9%) exact matches, in which:
1746 unique CDR3
13 unique J



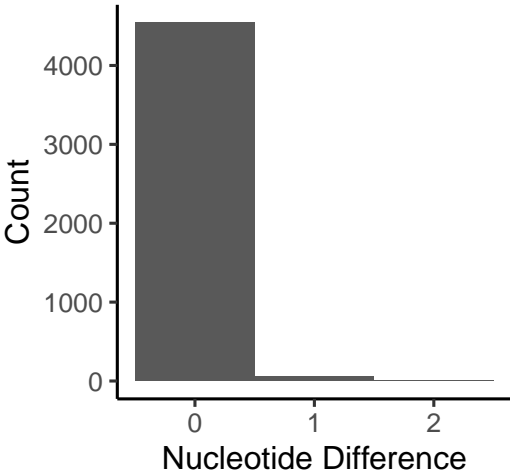
TRBV10-1*ap01

2147 sequences assigned
2107 (98.1%) exact matches, in which:
2063 unique CDR3
13 unique J



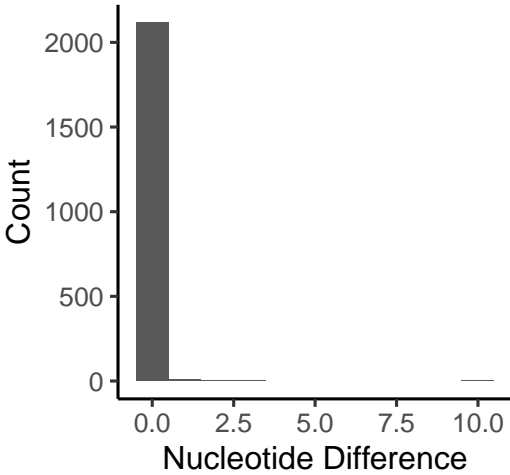
TRBV10-3*ap01

4605 sequences assigned
4542 (98.6%) exact matches, in which:
4462 unique CDR3
13 unique J



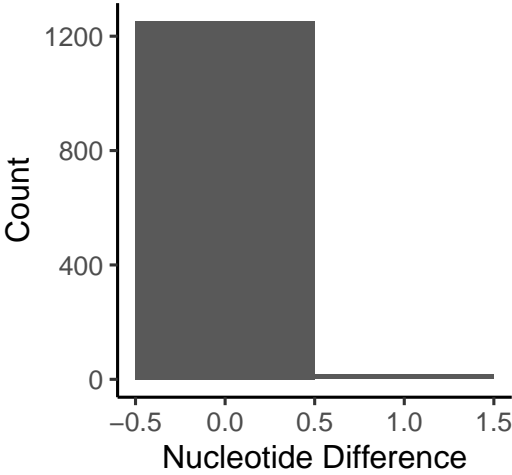
TRBV14*ap01

2129 sequences assigned
2116 (99.4%) exact matches, in which:
2088 unique CDR3
13 unique J



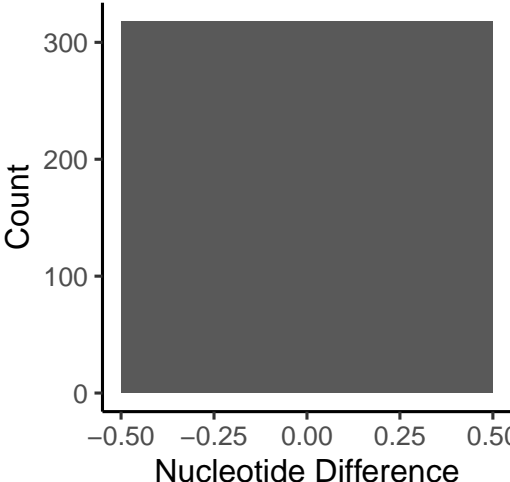
TRBV20-1*ap02

1270 sequences assigned
1253 (98.7%) exact matches, in which:
1233 unique CDR3
13 unique J



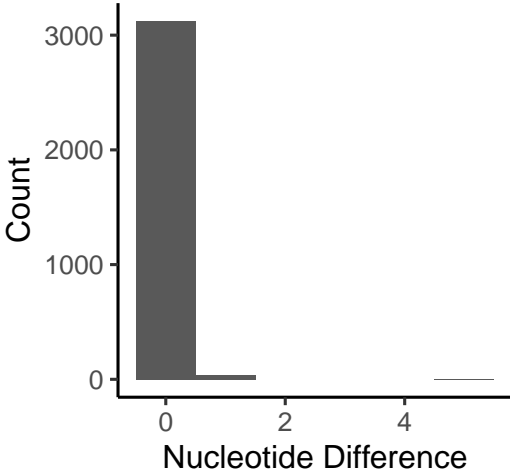
TRBV1*ap01

318 sequences assigned
318 (100%) exact matches, in which:
311 unique CDR3
13 unique J



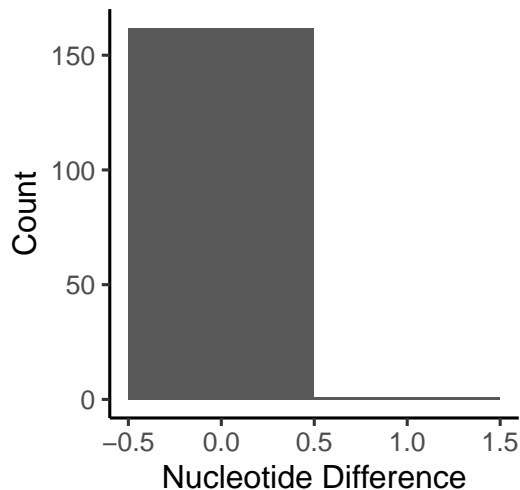
TRBV15*ap02

3162 sequences assigned
3123 (98.8%) exact matches, in which:
3072 unique CDR3
13 unique J



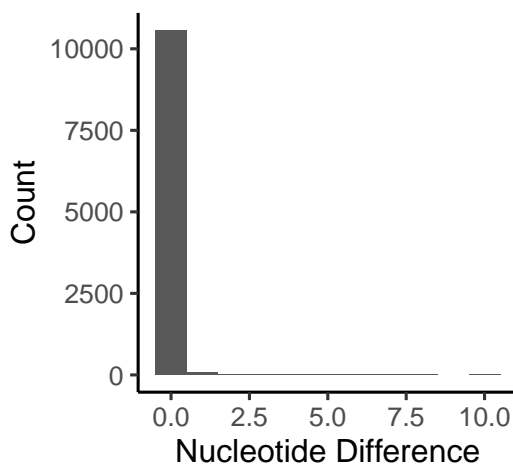
TRBV16*ap01

163 sequences assigned
162 (99.4%) exact matches, in which:
161 unique CDR3
13 unique J



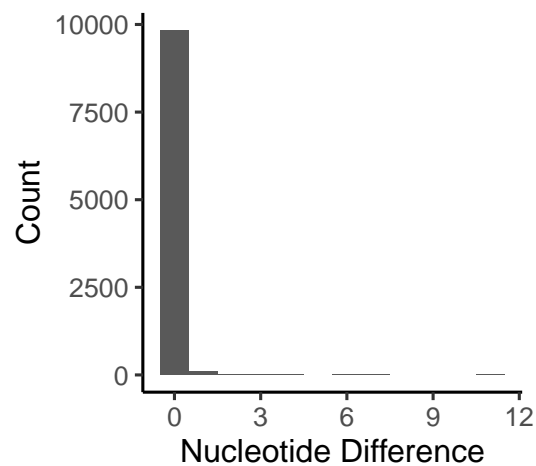
TRBV19*ap01

10666 sequences assigned
10572 (99.1%) exact matches, in which:
10490 unique CDR3
13 unique J



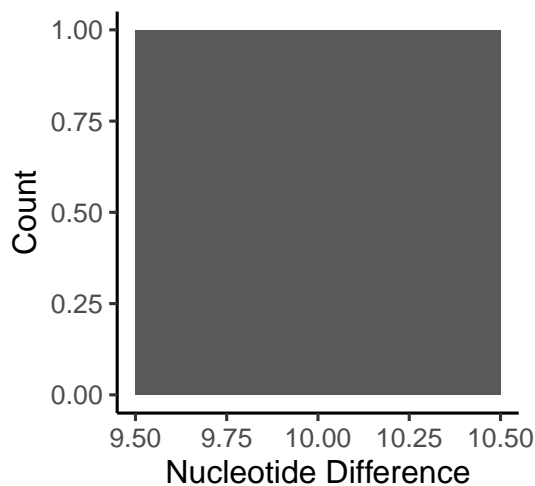
TRBV27*ap01

9966 sequences assigned
9838 (98.7%) exact matches, in which:
9631 unique CDR3
13 unique J



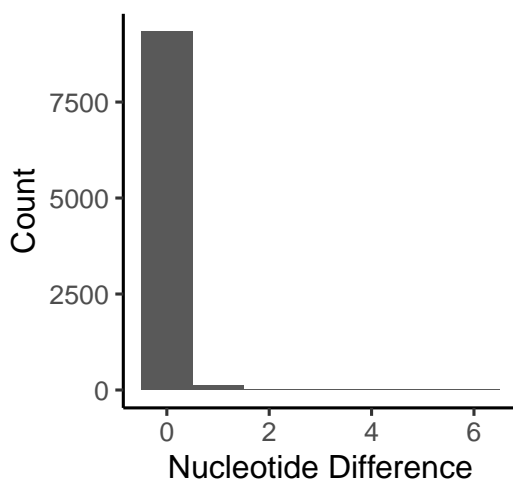
TRBV17*ap01

1 sequences assigned
No exact matches.



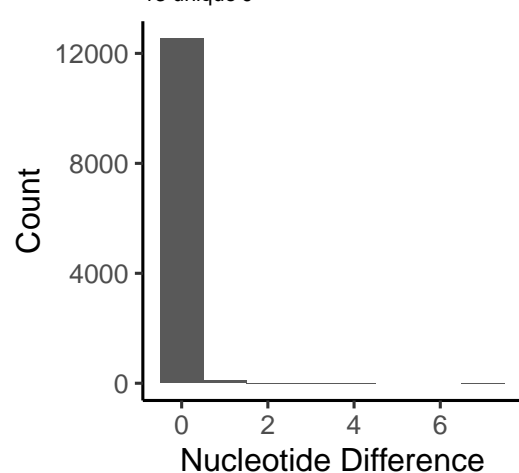
TRBV2*ap01

9454 sequences assigned
9332 (98.7%) exact matches, in which:
9173 unique CDR3
13 unique J



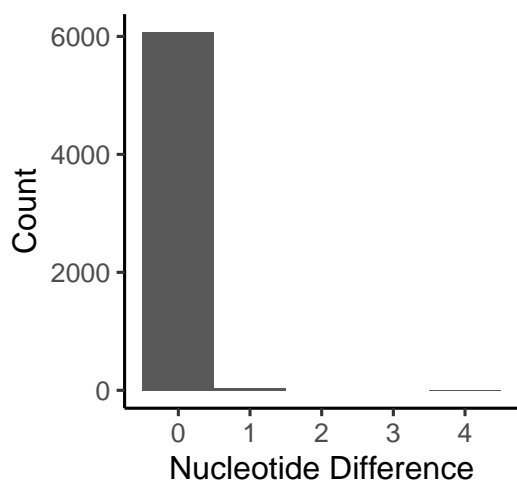
TRBV28*ap01

12661 sequences assigned
12543 (99.1%) exact matches, in which:
12391 unique CDR3
13 unique J



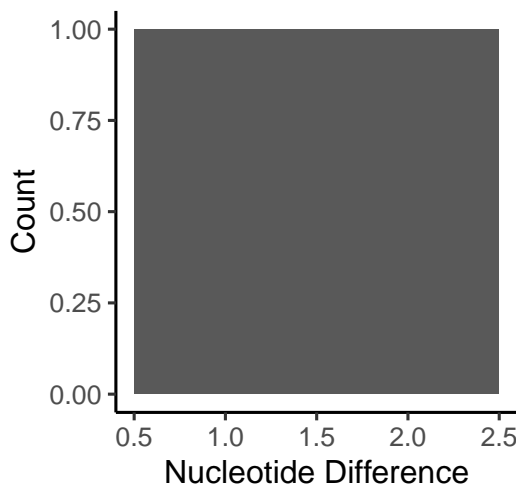
TRBV18*ap01

6111 sequences assigned
6074 (99.4%) exact matches, in which:
6026 unique CDR3
13 unique J



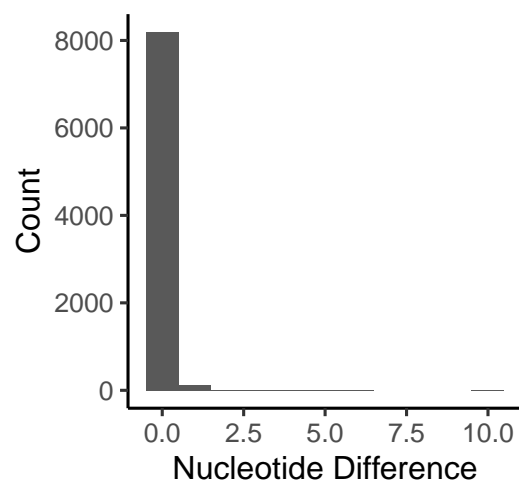
TRBV26*ap01

2 sequences assigned
No exact matches.



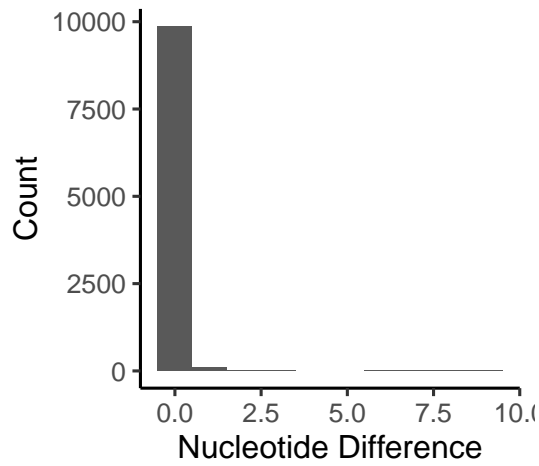
TRBV30*ap01

8336 sequences assigned
8192 (98.3%) exact matches, in which:
8056 unique CDR3
13 unique J



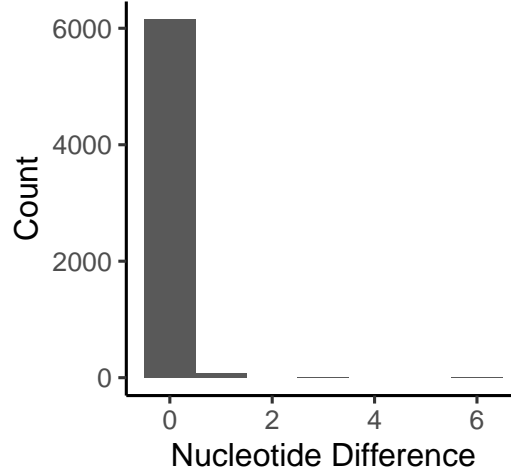
TRBV9*ap01

9965 sequences assigned
9873 (99.1%) exact matches, in which:
9758 unique CDR3
13 unique J



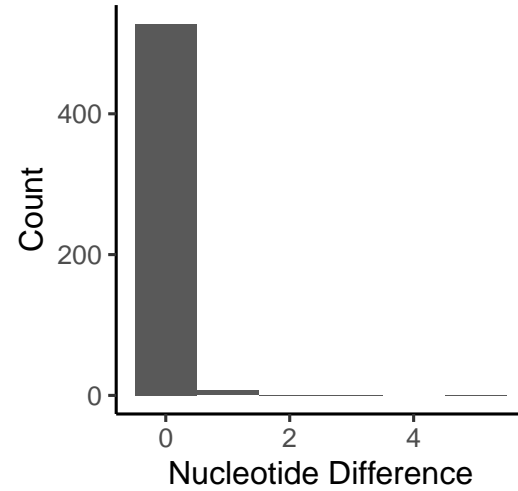
TRBV11-2*ap01

6226 sequences assigned
6152 (98.8%) exact matches, in which:
6037 unique CDR3
13 unique J



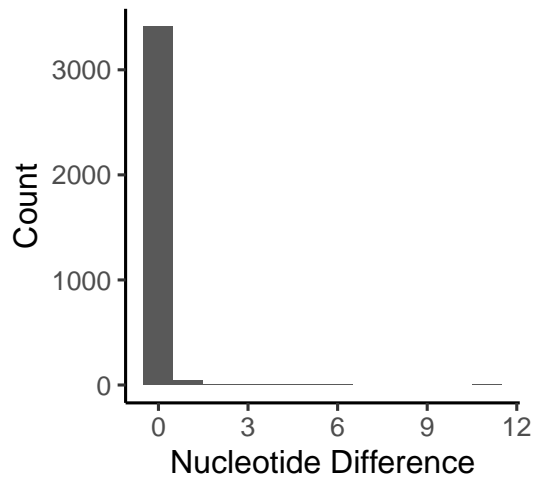
TRBV12-2*ap01

538 sequences assigned
528 (98.1%) exact matches, in which:
520 unique CDR3
13 unique J



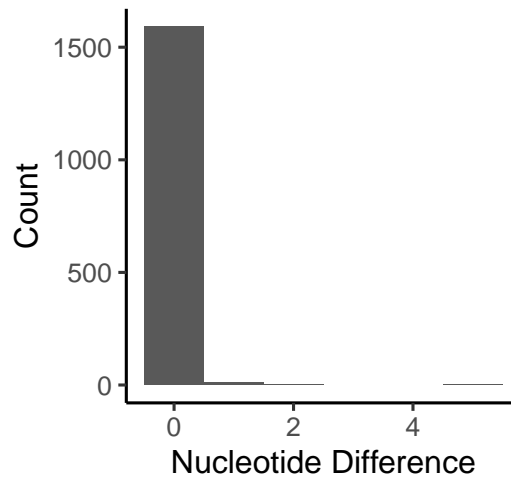
TRBV21-1*ap01

3468 sequences assigned
3410 (98.3%) exact matches, in which:
3382 unique CDR3
13 unique J



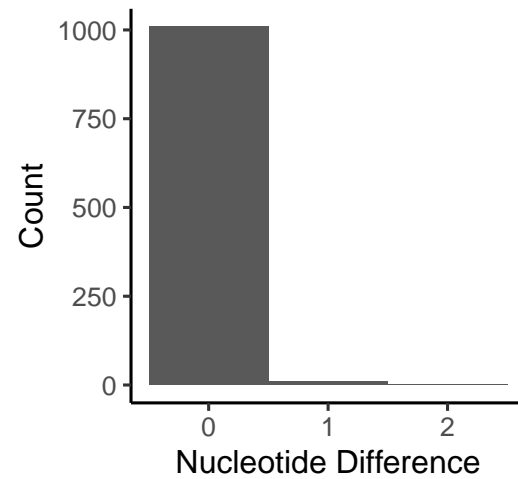
TRBV11-3*ap01

1604 sequences assigned
1591 (99.2%) exact matches, in which:
1561 unique CDR3
13 unique J



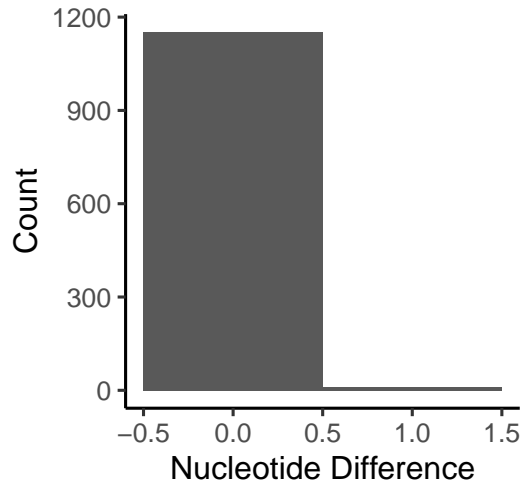
TRBV12-5*ap01

1019 sequences assigned
1009 (99%) exact matches, in which:
989 unique CDR3
13 unique J



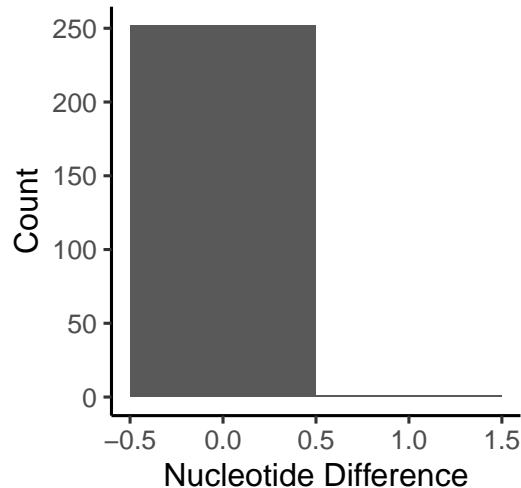
TRBV11-1*ap01

1163 sequences assigned
1152 (99.1%) exact matches, in which:
1126 unique CDR3
13 unique J



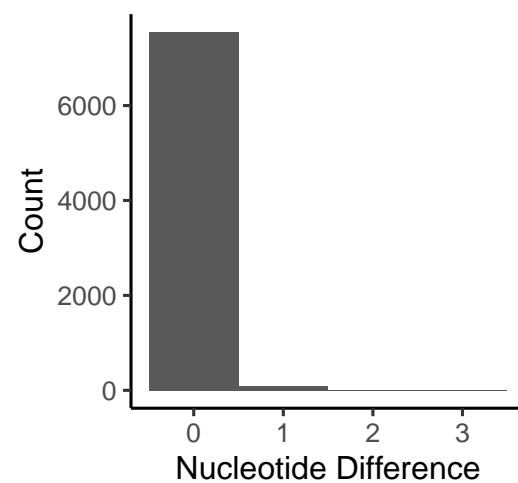
TRBV12-1*ap01

253 sequences assigned
252 (99.6%) exact matches, in which:
250 unique CDR3
13 unique J



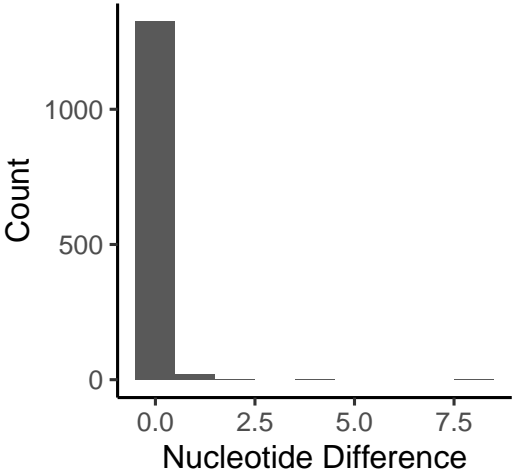
TRBV12-34*ap01

7643 sequences assigned
7549 (98.8%) exact matches, in which:
7423 unique CDR3
13 unique J



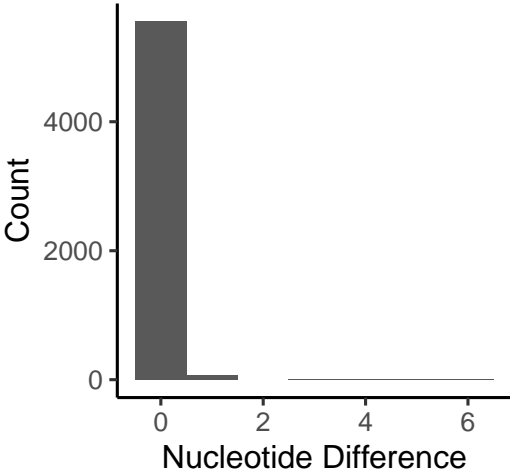
TRBV23-1*ap01

1350 sequences assigned
1325 (98.1%) exact matches, in which:
1307 unique CDR3
13 unique J



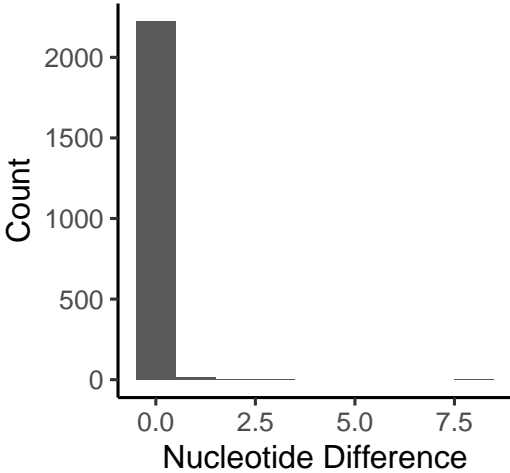
TRBV24-1*ap01

5634 sequences assigned
5556 (98.6%) exact matches, in which:
5460 unique CDR3
13 unique J



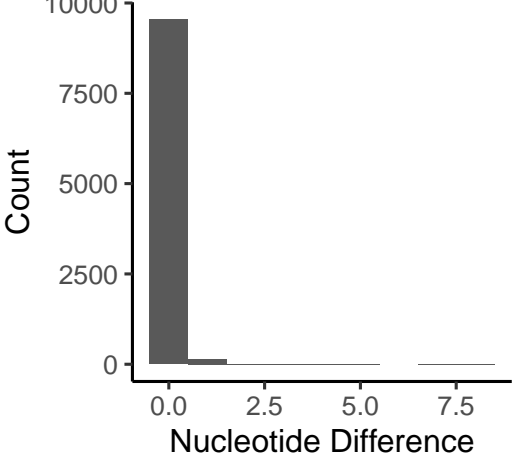
TRBV25-1*ap01

2246 sequences assigned
2223 (99%) exact matches, in which:
2190 unique CDR3
13 unique J



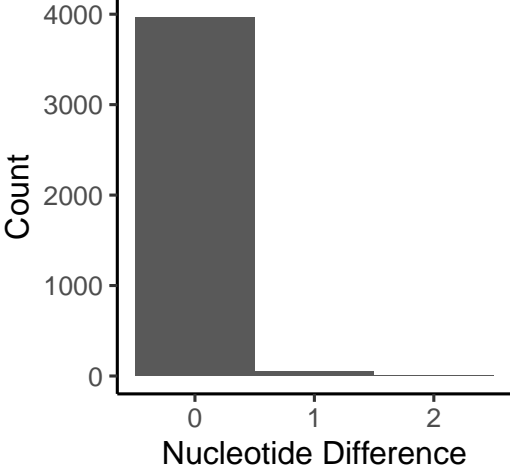
TRBV3-12*ap01

9694 sequences assigned
9544 (98.5%) exact matches, in which:
9368 unique CDR3
14 unique J



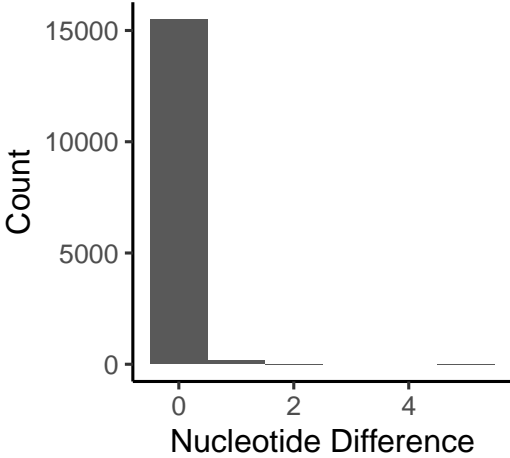
TRBV4-2*ap01

4011 sequences assigned
3961 (98.8%) exact matches, in which:
3886 unique CDR3
13 unique J



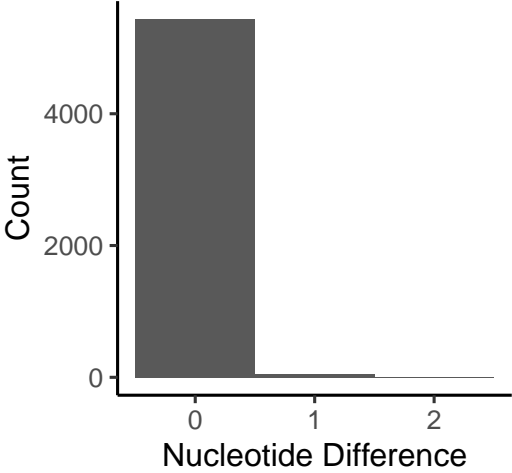
TRBV5-1*ap01

15665 sequences assigned
15495 (98.9%) exact matches, in which:
15179 unique CDR3
13 unique J



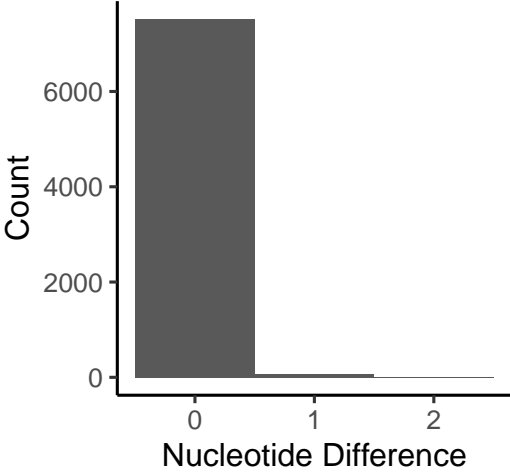
TRBV4-1*ap01

5491 sequences assigned
5437 (99%) exact matches, in which:
5331 unique CDR3
13 unique J



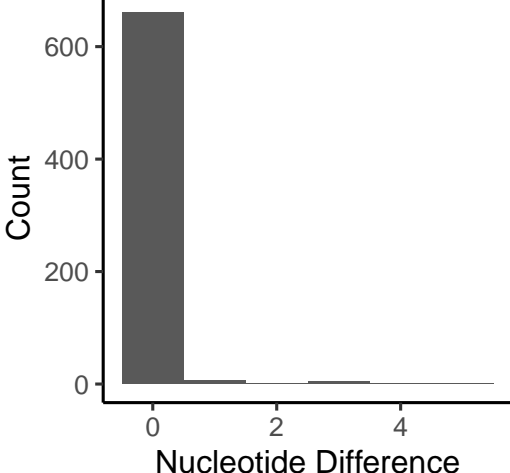
TRBV4-3*ap01

7588 sequences assigned
7520 (99.1%) exact matches, in which:
7397 unique CDR3
13 unique J



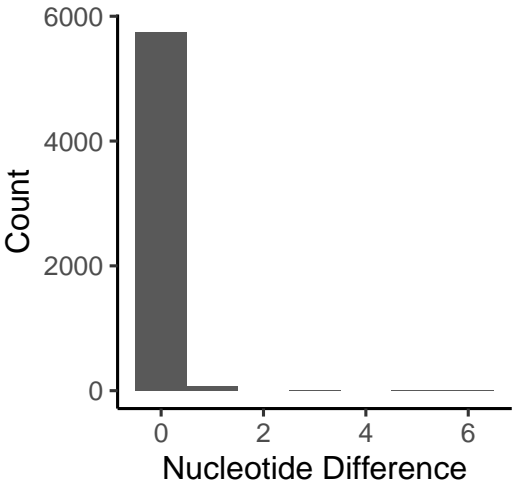
TRBV5-3*ap01

675 sequences assigned
661 (97.9%) exact matches, in which:
654 unique CDR3
13 unique J



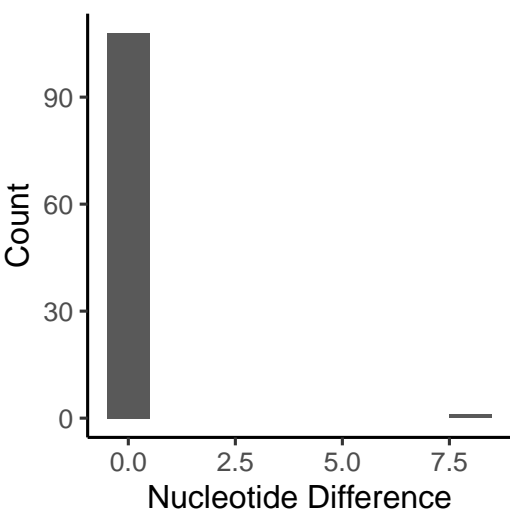
TRBV5-4*ap01

5812 sequences assigned
5741 (98.8%) exact matches, in which:
5660 unique CDR3
13 unique J



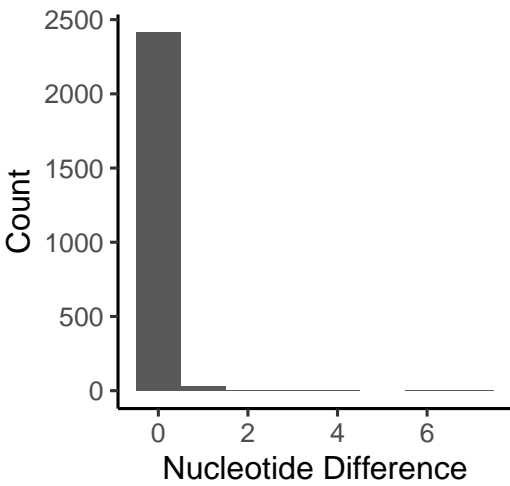
TRBV5-7*ap01

109 sequences assigned
108 (99.1%) exact matches, in which:
108 unique CDR3
12 unique J



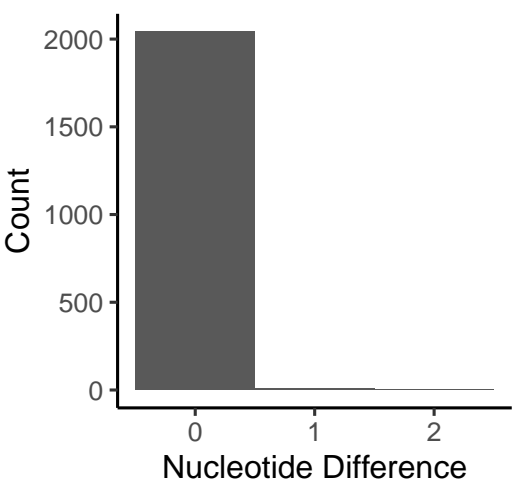
TRBV6-4*ap01

2457 sequences assigned
2414 (98.2%) exact matches, in which:
2386 unique CDR3
13 unique J



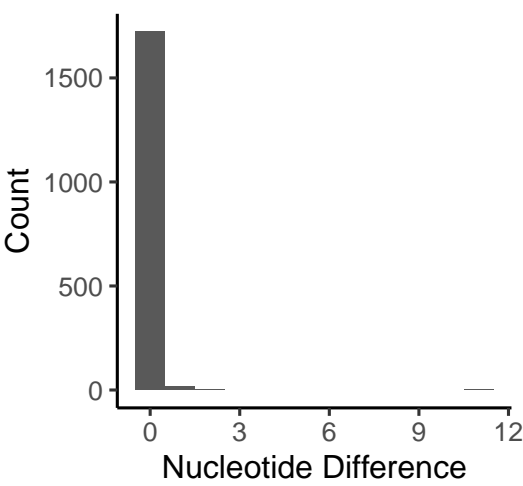
TRBV5-5*ap01

2054 sequences assigned
2042 (99.4%) exact matches, in which:
2030 unique CDR3
13 unique J



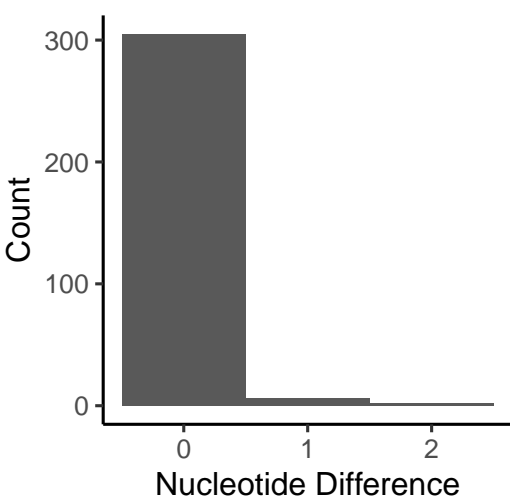
TRBV5-8*ap01

1740 sequences assigned
1722 (99%) exact matches, in which:
1703 unique CDR3
13 unique J



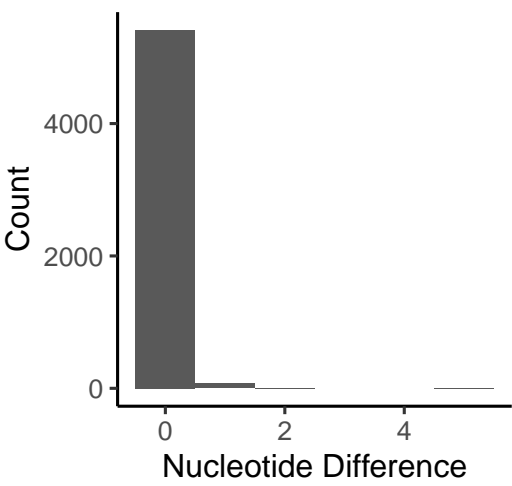
TRBV6-7*ap01

313 sequences assigned
305 (97.4%) exact matches, in which:
297 unique CDR3
13 unique J



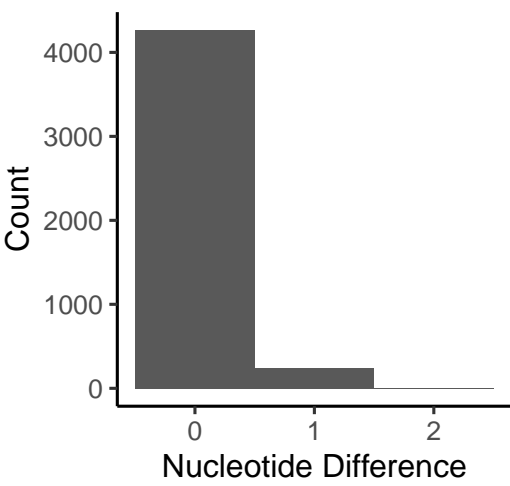
TRBV5-6*ap01

5489 sequences assigned
5413 (98.6%) exact matches, in which:
5302 unique CDR3
13 unique J



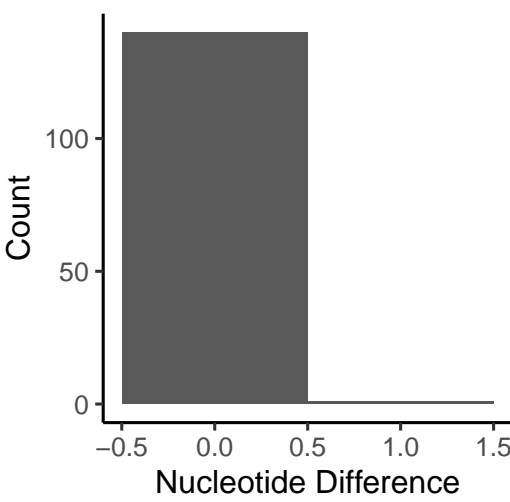
TRBV6-1*ap01

4508 sequences assigned
4266 (94.6%) exact matches, in which:
4175 unique CDR3
13 unique J



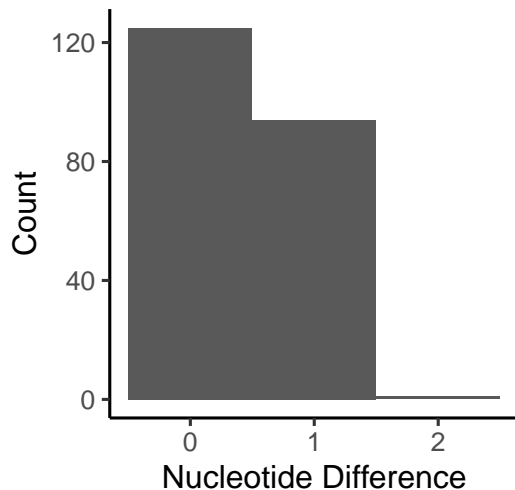
TRBV6-8*ap01

141 sequences assigned
140 (99.3%) exact matches, in which:
138 unique CDR3
12 unique J



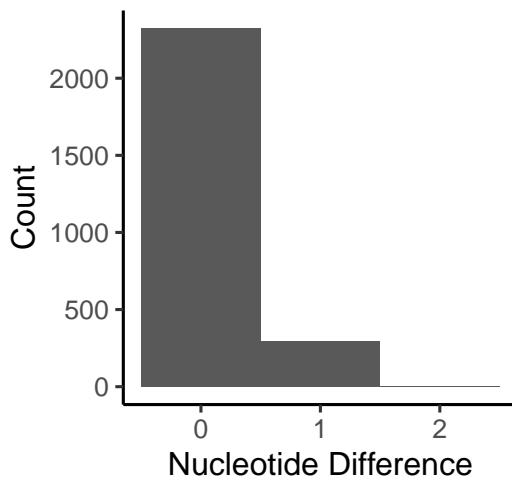
TRBV6-9*ap01

220 sequences assigned
125 (56.8%) exact matches, in which:
122 unique CDR3
13 unique J



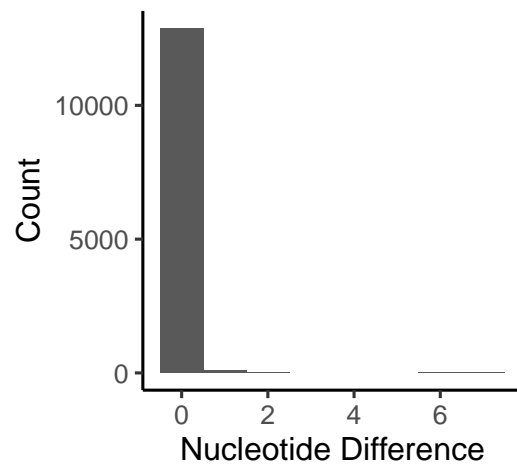
TRBV6-56*ap02

2619 sequences assigned
2323 (88.7%) exact matches, in which:
2291 unique CDR3
13 unique J



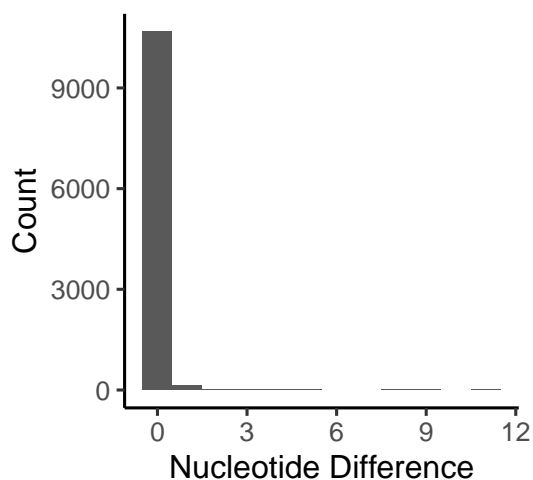
TRBV7-2*ap01

12969 sequences assigned
12885 (99.4%) exact matches, in which:
12726 unique CDR3
13 unique J



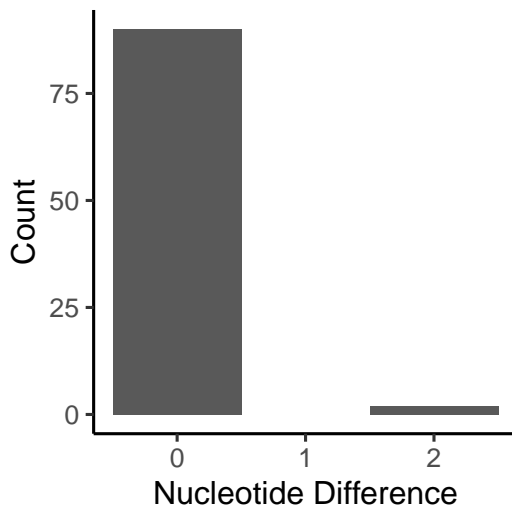
TRBV6-23*ap01

10808 sequences assigned
10675 (98.8%) exact matches, in which:
10412 unique CDR3
14 unique J



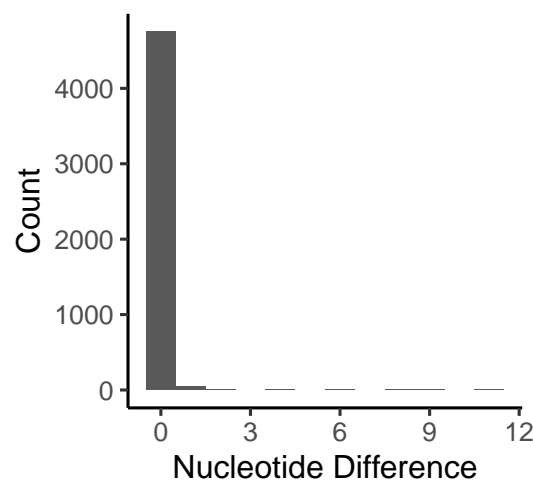
TRBV7-1*ap01_G291C_T

92 sequences assigned
90 (97.8%) exact matches, in which:
89 unique CDR3
13 unique J



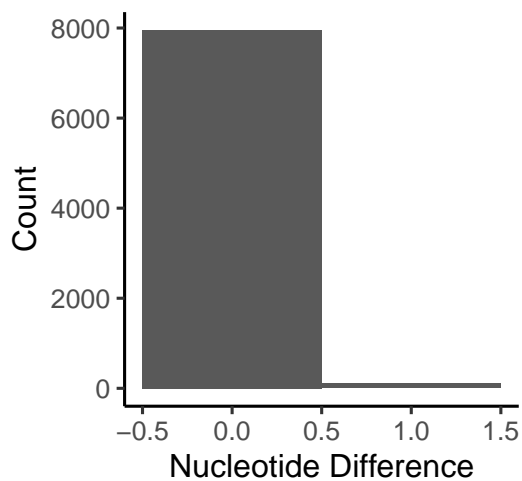
TRBV7-3*ap01

4801 sequences assigned
4751 (99%) exact matches, in which:
4697 unique CDR3
13 unique J



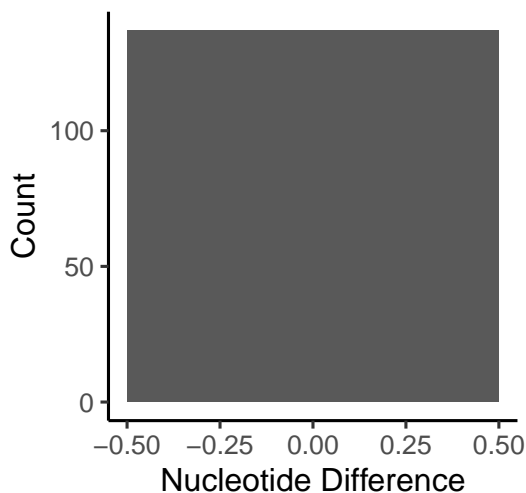
TRBV6-56*ap01

8061 sequences assigned
7955 (98.7%) exact matches, in which:
7801 unique CDR3
13 unique J



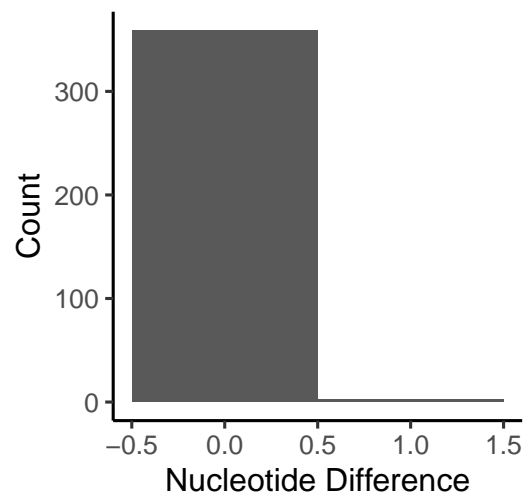
TRBV7-1*ap01_G291C_

137 sequences assigned
137 (100%) exact matches, in which:
136 unique CDR3
12 unique J



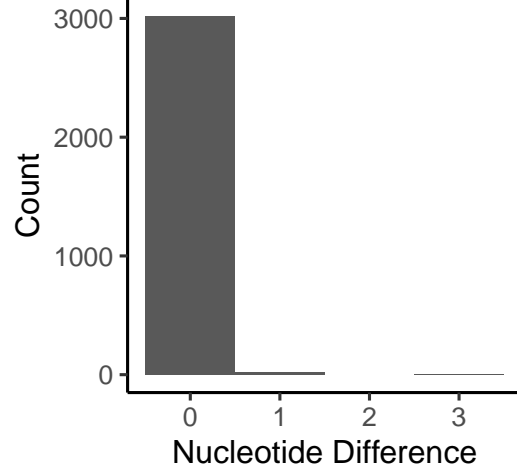
TRBV7-4*ap01

361 sequences assigned
359 (99.4%) exact matches, in which:
357 unique CDR3
13 unique J



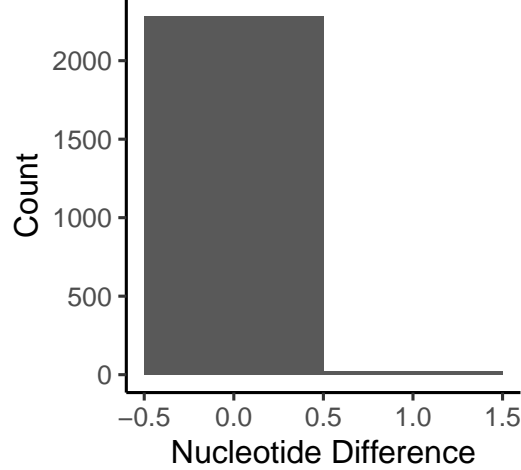
TRBV7-6*ap01

3042 sequences assigned
3017 (99.2%) exact matches, in which:
2961 unique CDR3
13 unique J



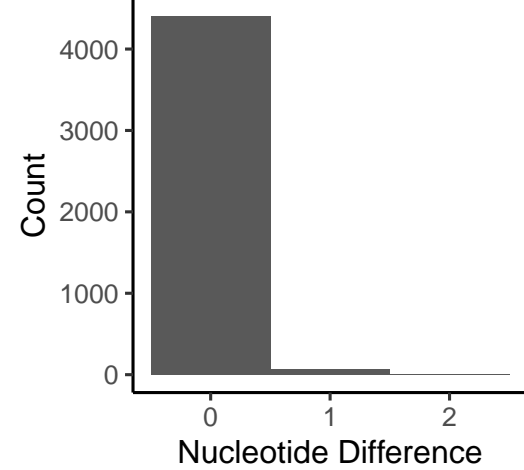
TRBV7-8*ap01

2306 sequences assigned
2282 (99%) exact matches, in which:
2249 unique CDR3
13 unique J



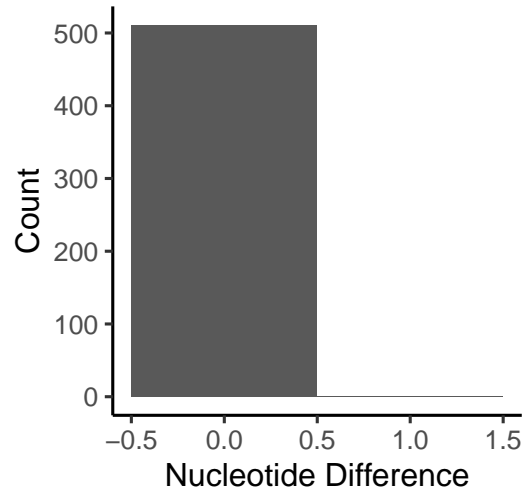
TRBV29-1*ap01

4465 sequences assigned
4401 (98.6%) exact matches, in which:
4314 unique CDR3
13 unique J



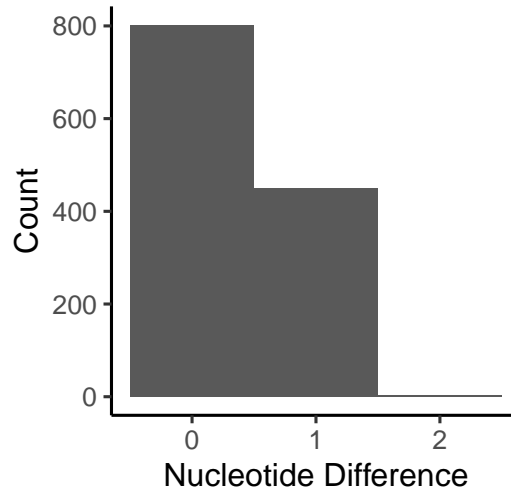
TRBV7-7*ap01

512 sequences assigned
511 (99.8%) exact matches, in which:
499 unique CDR3
13 unique J



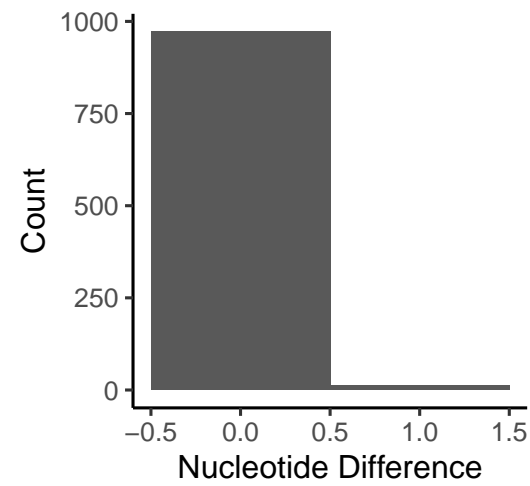
TRBV7-8*ap03

1255 sequences assigned
802 (63.9%) exact matches, in which:
787 unique CDR3
13 unique J



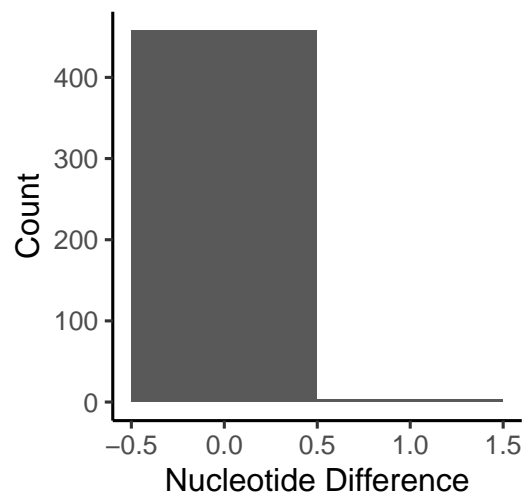
TRBV29-1*ap02

983 sequences assigned
972 (98.9%) exact matches, in which:
952 unique CDR3
13 unique J



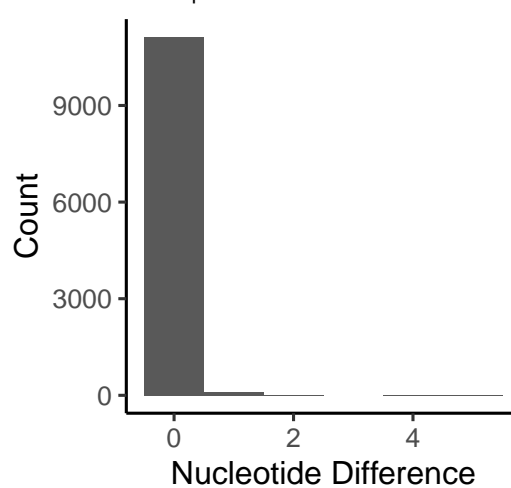
TRBV7-7*ap01_C315T

461 sequences assigned
458 (99.3%) exact matches, in which:
453 unique CDR3
13 unique J

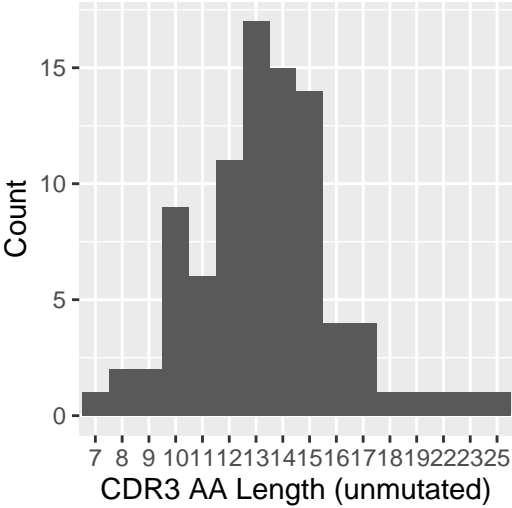


TRBV7-9*ap01

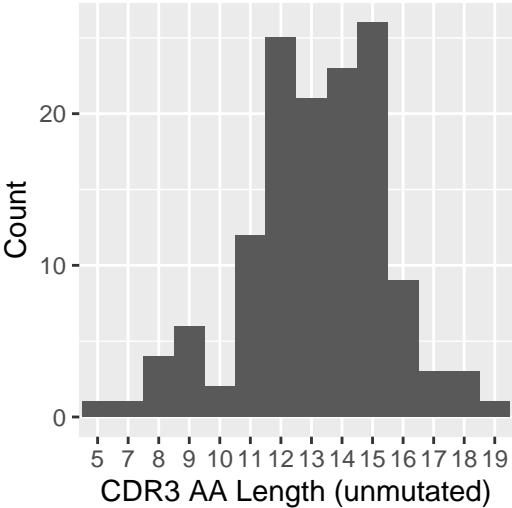
11222 sequences assigned
11125 (99.1%) exact matches, in which:
10987 unique CDR3
13 unique J



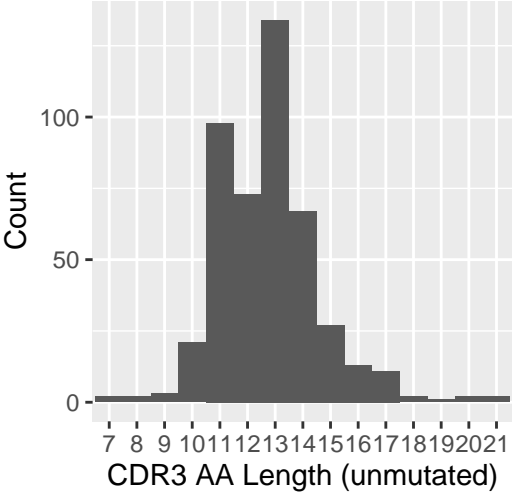
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]