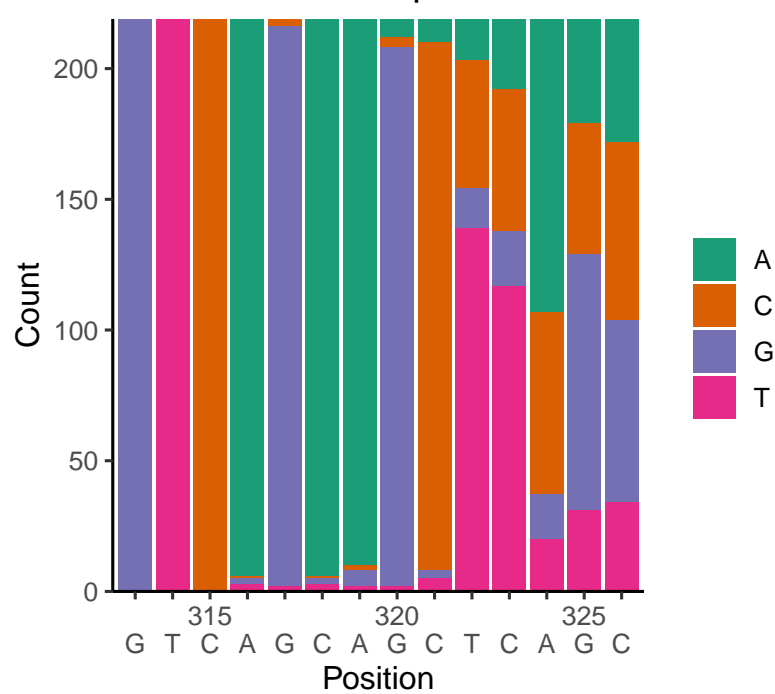
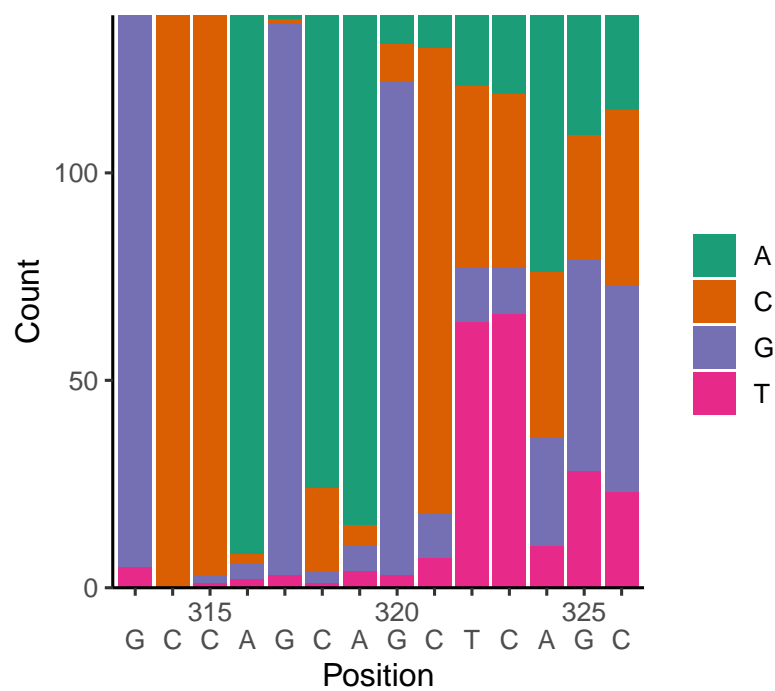


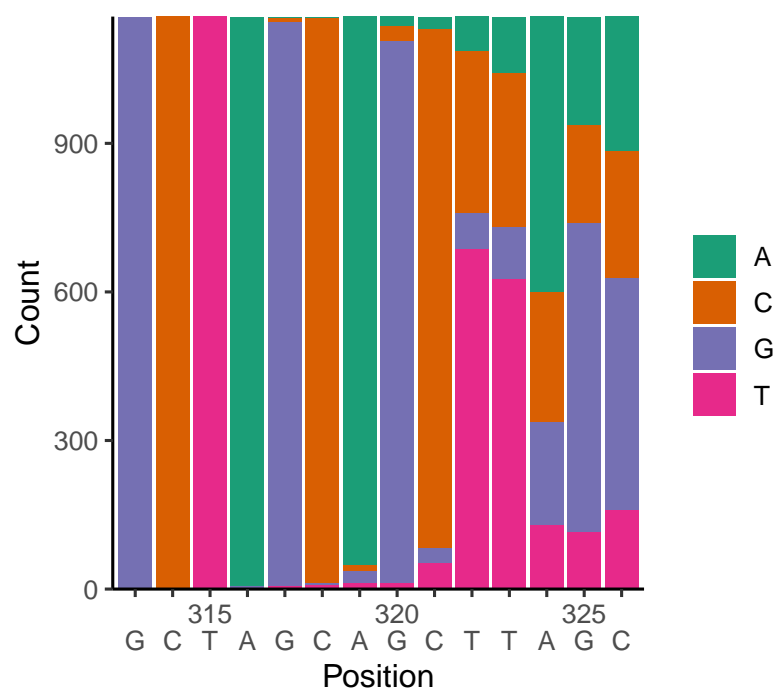
Gene TRBV7-1*ap01_G291C_T296C_C314T



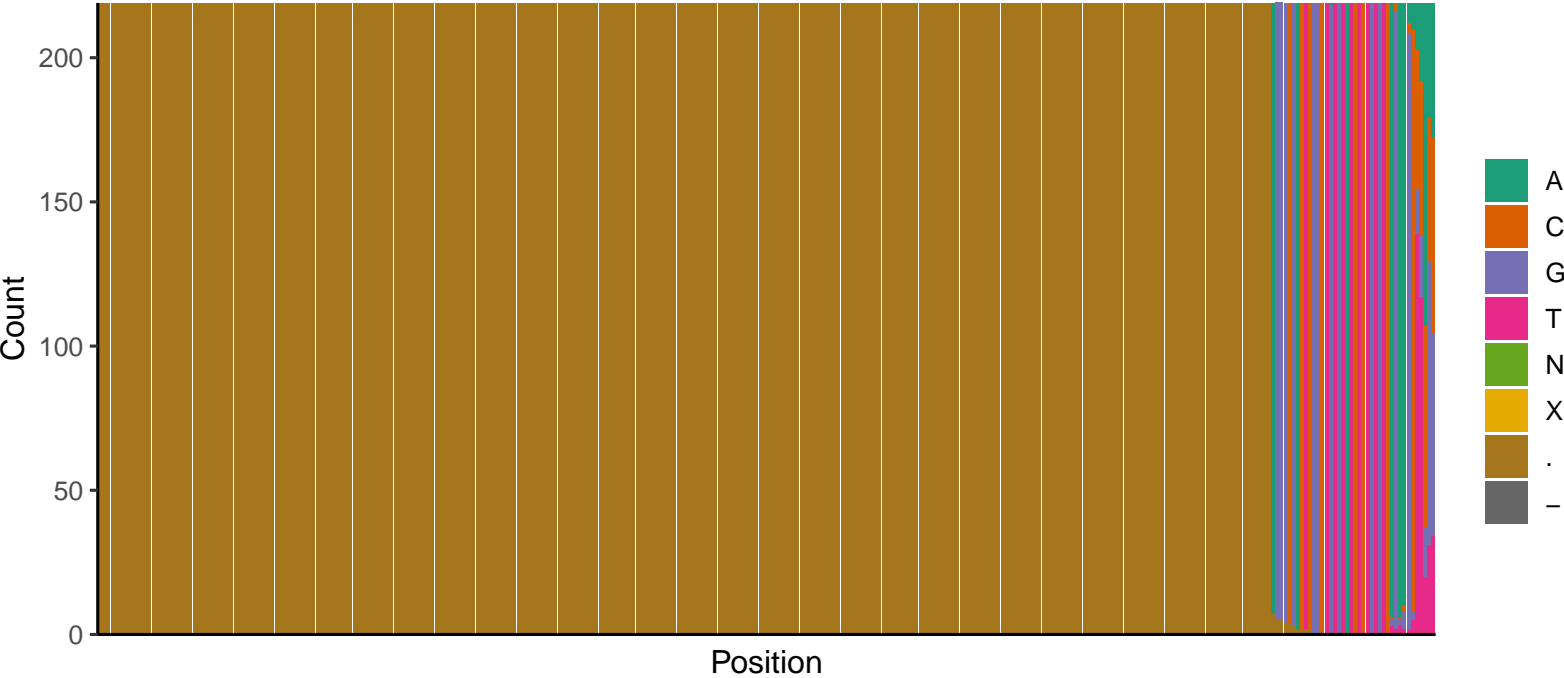
Gene TRBV7-1*ap01_G291C_T296C



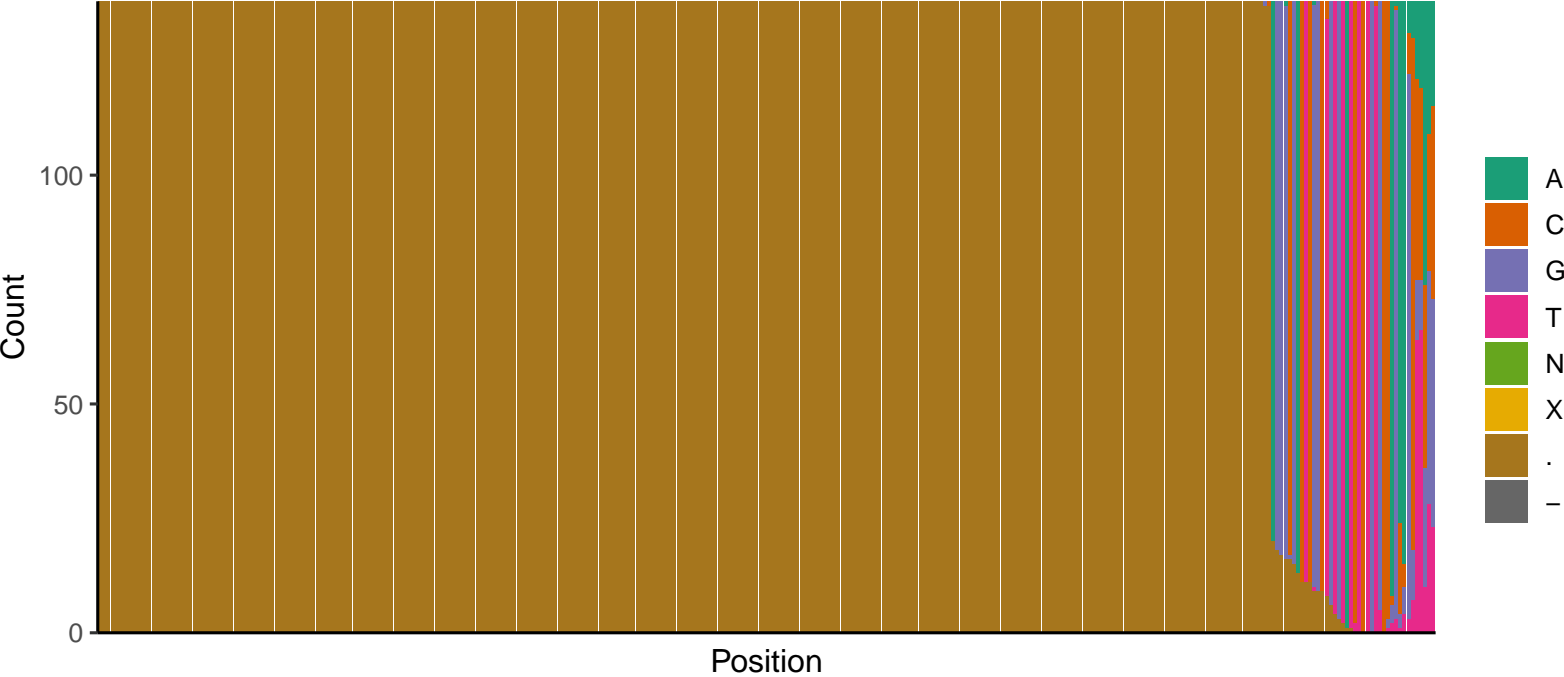
Gene TRBV7-7*ap01_C315T



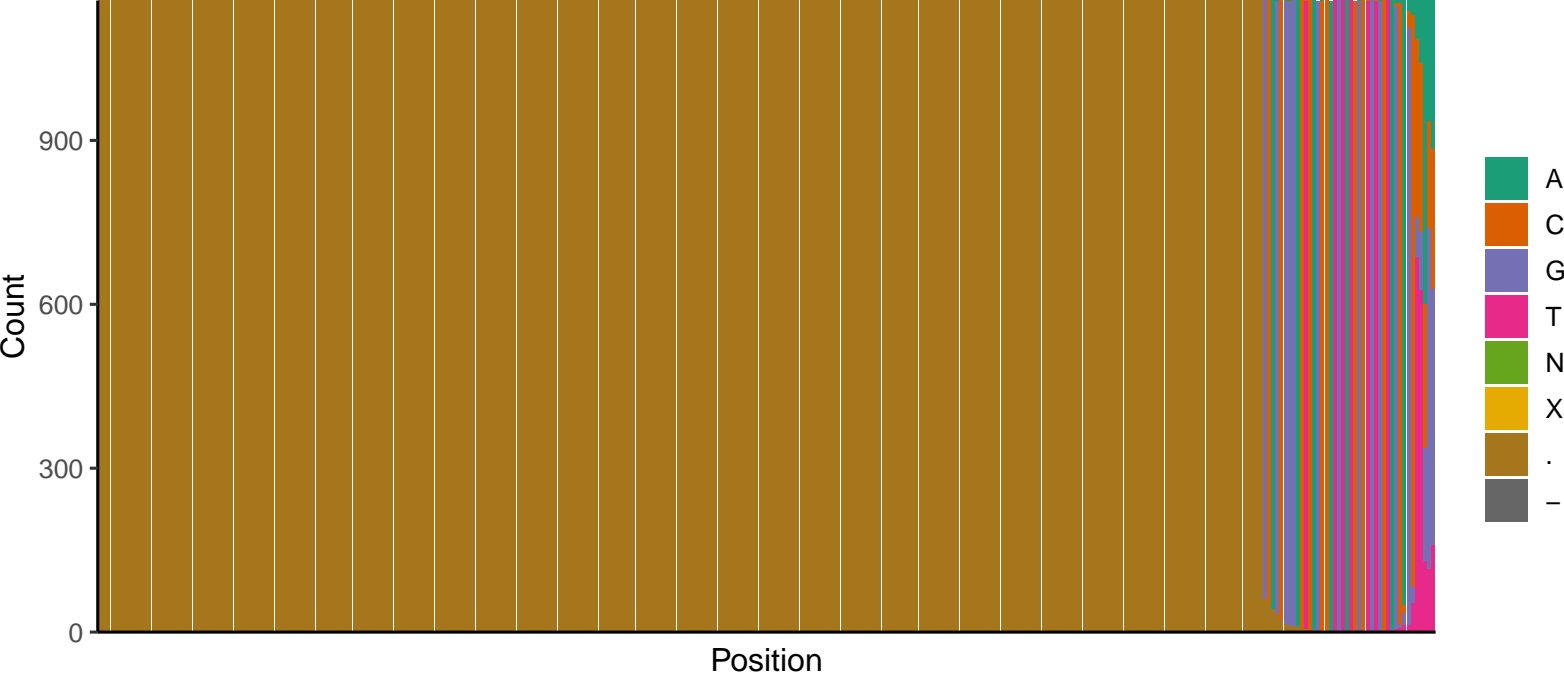
Gene TRBV7-1*ap01_G291C_T296C_C314T



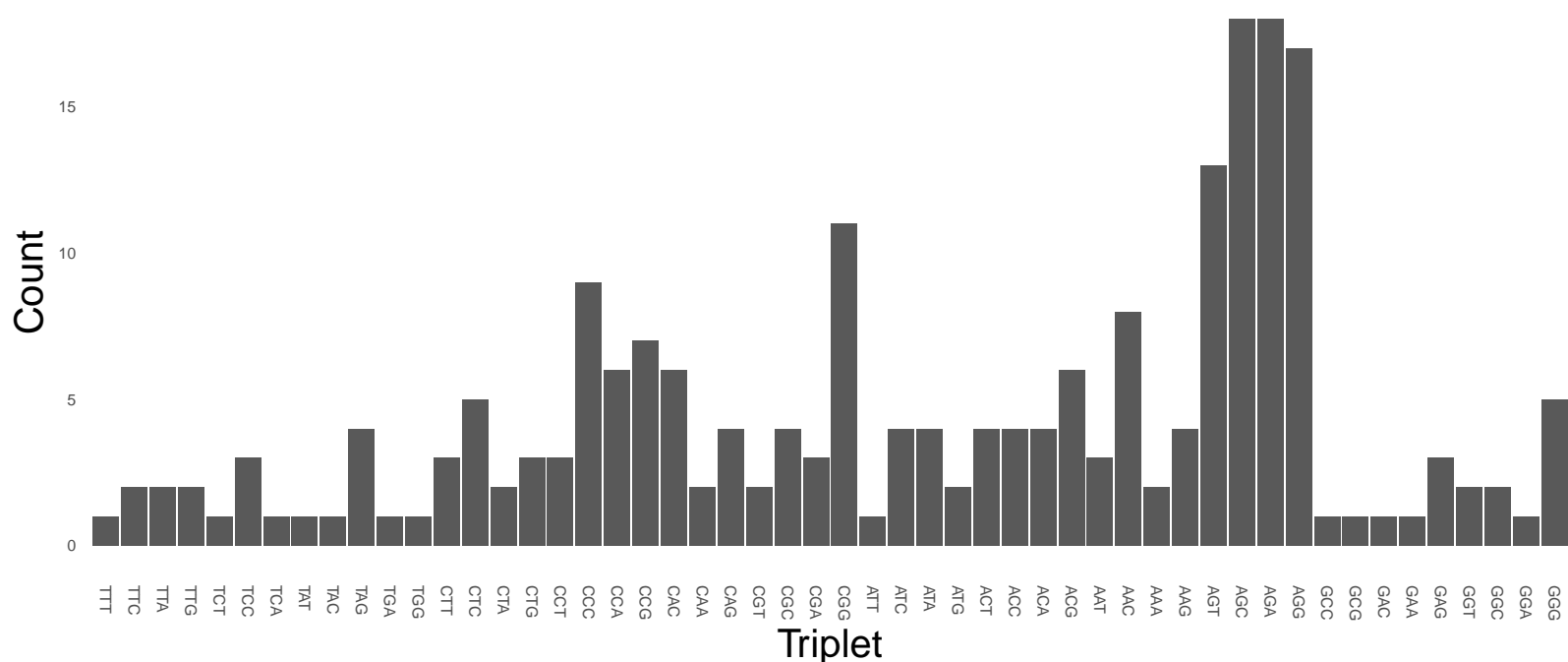
Gene TRBV7-1*ap01_G291C_T296C



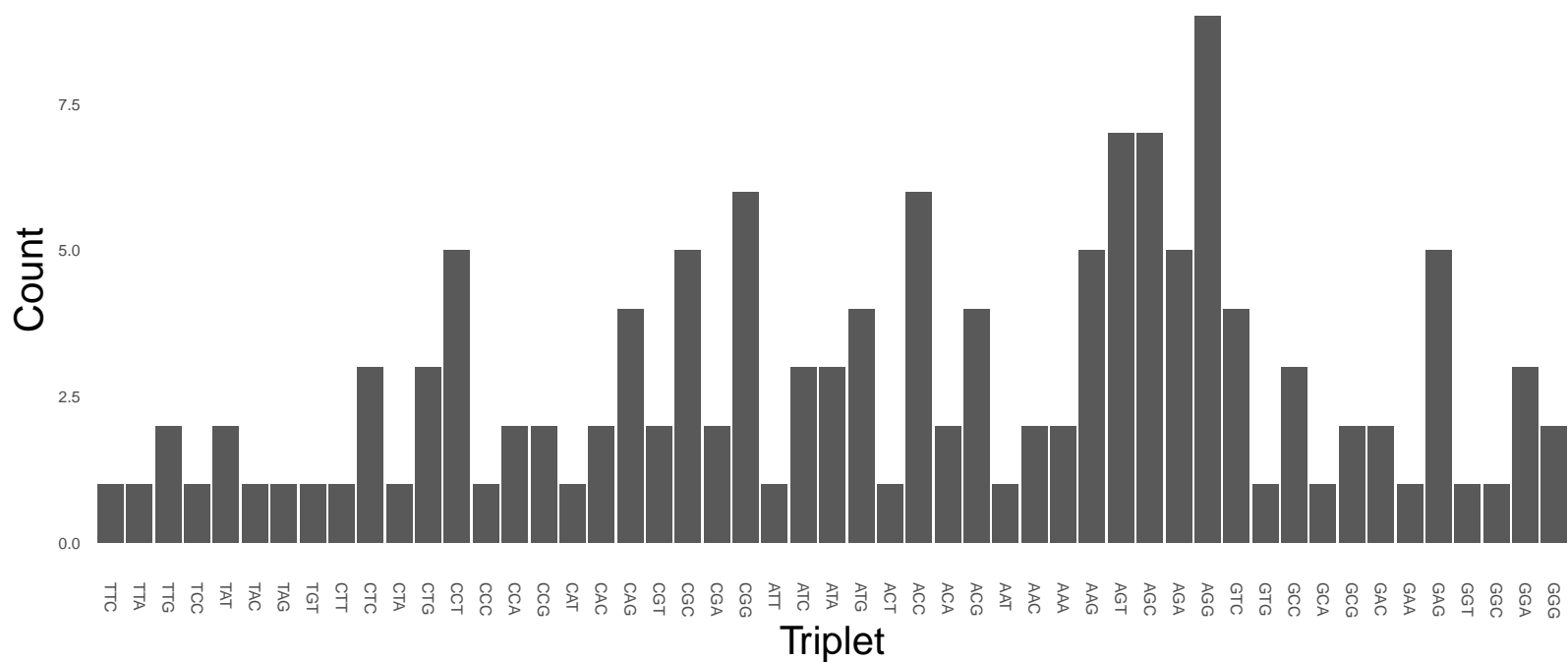
Gene TRBV7-7*ap01_C315T



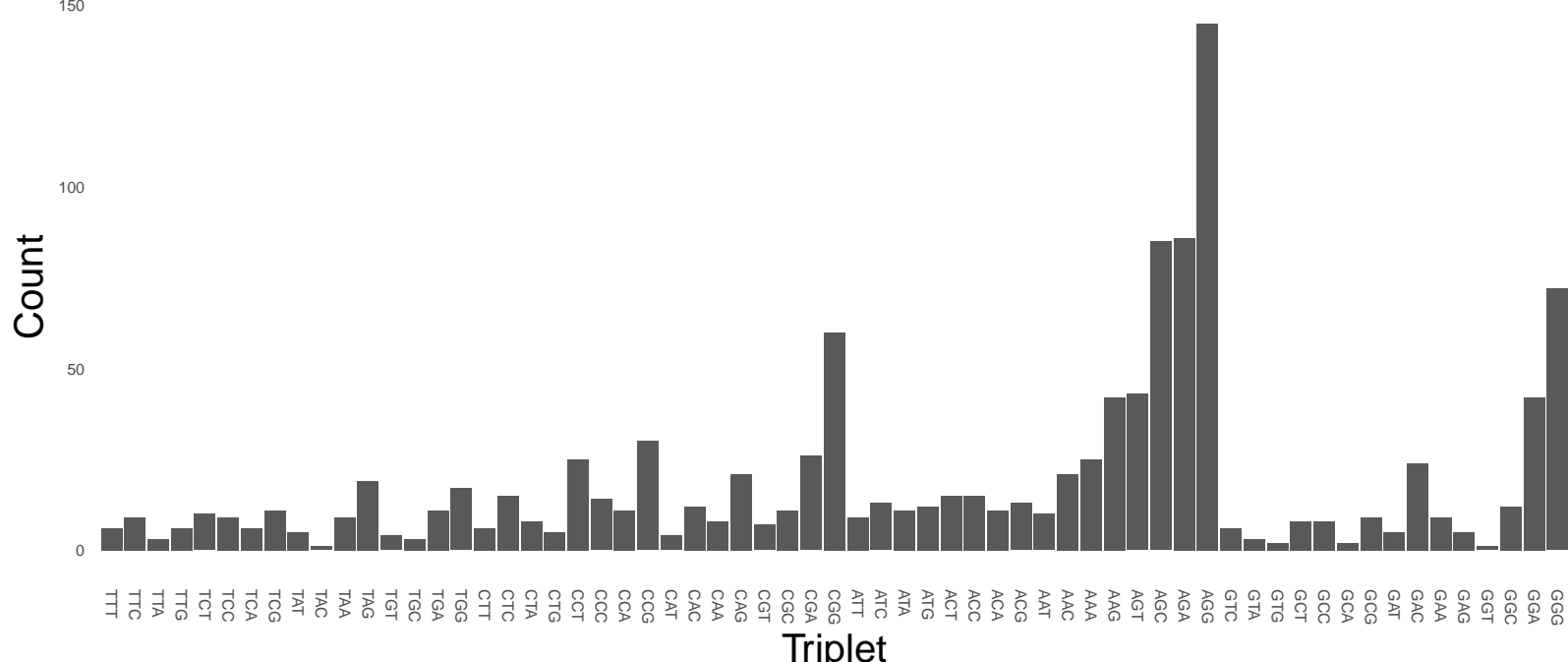
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

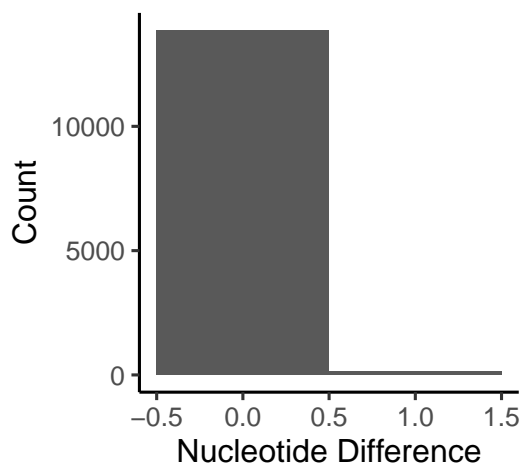


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



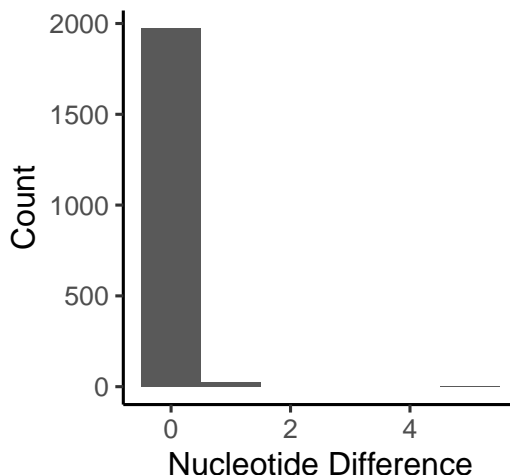
TRBV20-1*ap01

14021 sequences assigned
13869 (98.9%) exact matches, in which:
13637 unique CDR3
13 unique J



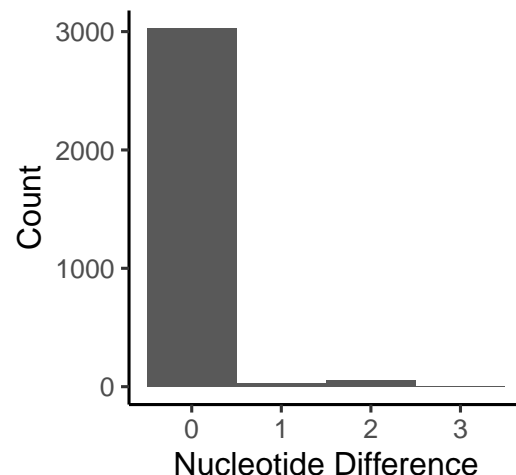
TRBV10-2*ap01

1997 sequences assigned
1973 (98.8%) exact matches, in which:
1932 unique CDR3
13 unique J



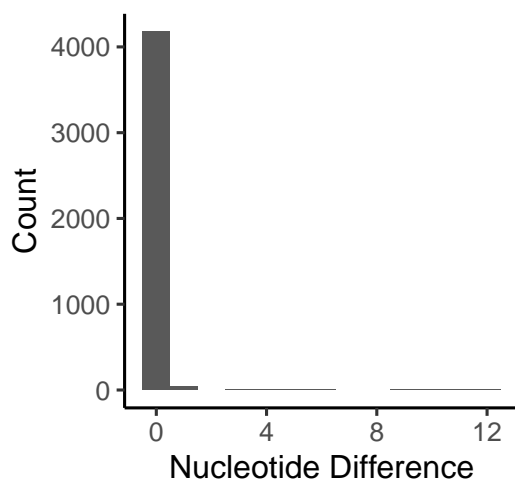
TRBV13*ap01

3110 sequences assigned
3027 (97.3%) exact matches, in which:
2946 unique CDR3
13 unique J



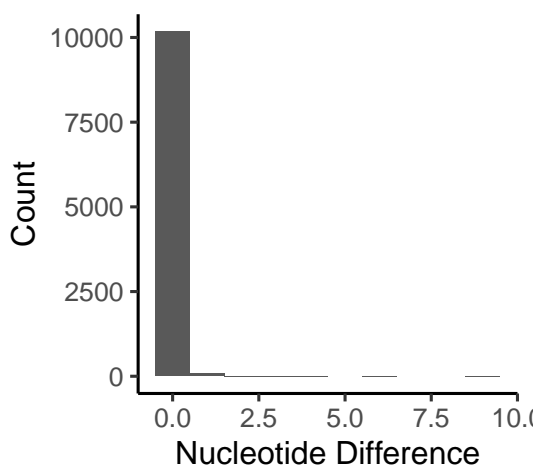
TRBV10-1*ap01

4227 sequences assigned
4177 (98.8%) exact matches, in which:
4067 unique CDR3
13 unique J



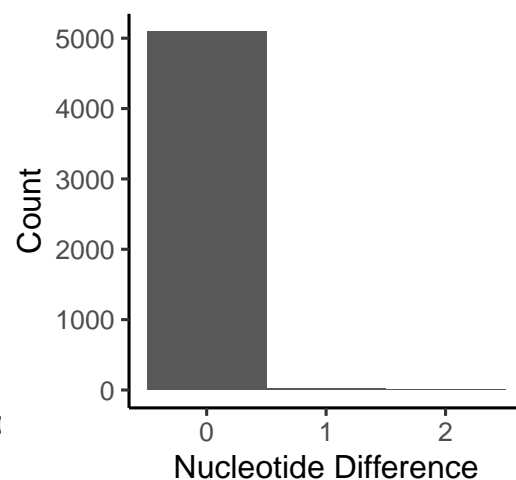
TRBV10-3*ap01

10271 sequences assigned
10177 (99.1%) exact matches, in which:
9985 unique CDR3
13 unique J



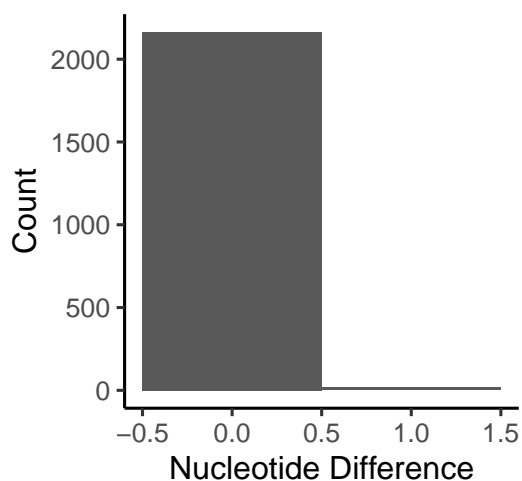
TRBV14*ap01

5121 sequences assigned
5092 (99.4%) exact matches, in which:
5011 unique CDR3
13 unique J



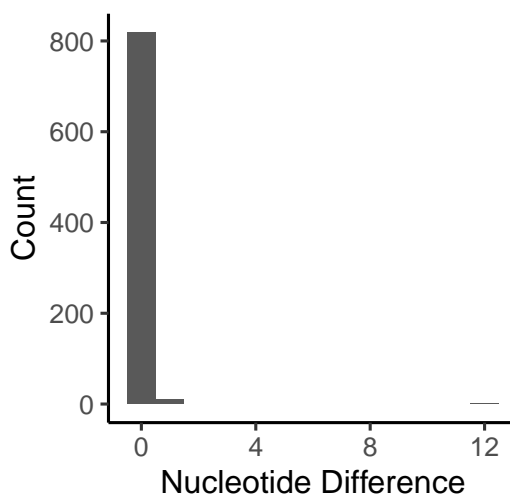
TRBV20-1*ap02

2181 sequences assigned
2164 (99.2%) exact matches, in which:
2129 unique CDR3
13 unique J



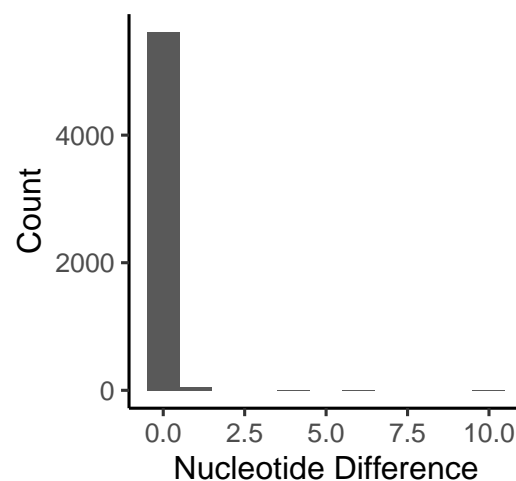
TRBV1*ap01

830 sequences assigned
819 (98.7%) exact matches, in which:
803 unique CDR3
13 unique J



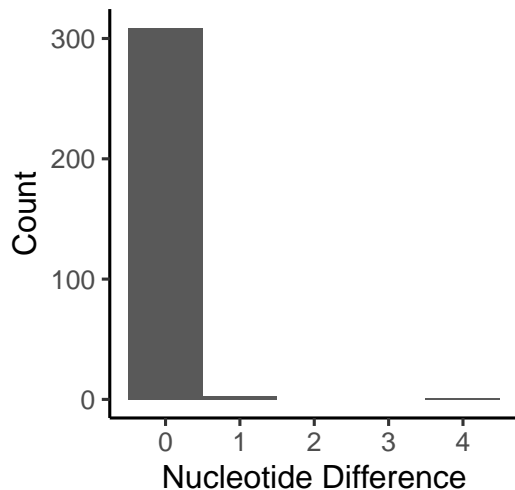
TRBV15*ap02

5676 sequences assigned
5616 (98.9%) exact matches, in which:
5489 unique CDR3
13 unique J



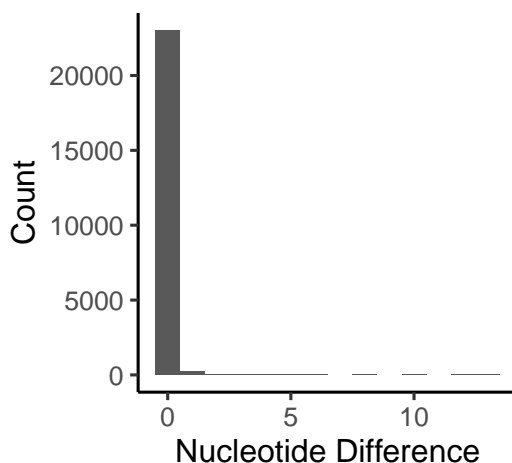
TRBV16*ap01

313 sequences assigned
309 (98.7%) exact matches, in which:
306 unique CDR3
13 unique J



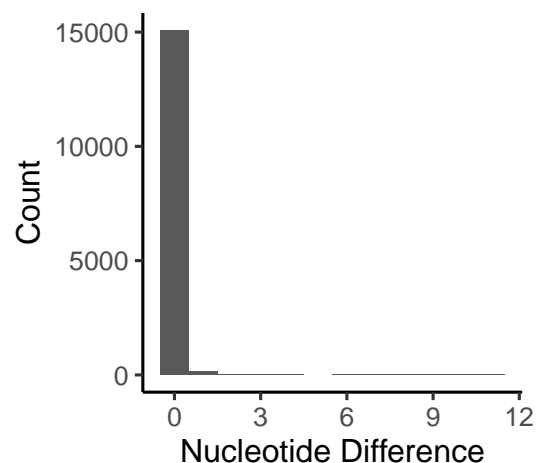
TRBV19*ap01

23266 sequences assigned
23028 (99%) exact matches, in which:
22770 unique CDR3
13 unique J



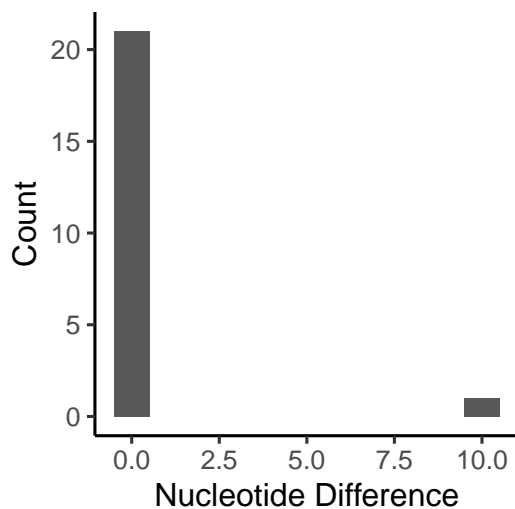
TRBV27*ap01

15255 sequences assigned
15084 (98.9%) exact matches, in which:
14746 unique CDR3
13 unique J



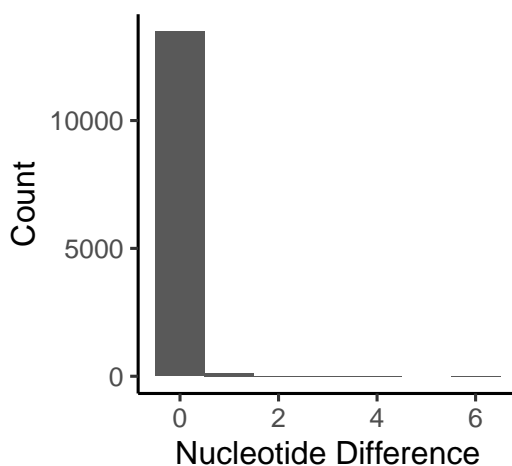
TRBV17*ap01

22 sequences assigned
21 (95.5%) exact matches, in which:
21 unique CDR3
10 unique J



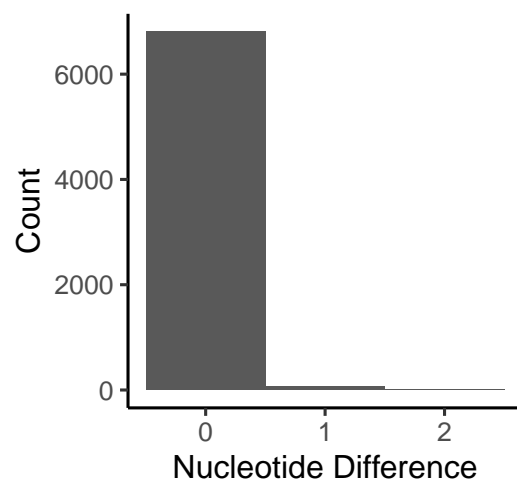
TRBV2*ap01

13619 sequences assigned
13483 (99%) exact matches, in which:
13187 unique CDR3
13 unique J



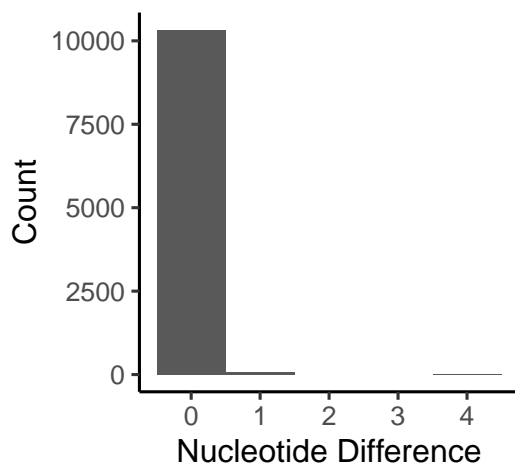
TRBV28*ap01

6872 sequences assigned
6806 (99%) exact matches, in which:
6700 unique CDR3
13 unique J



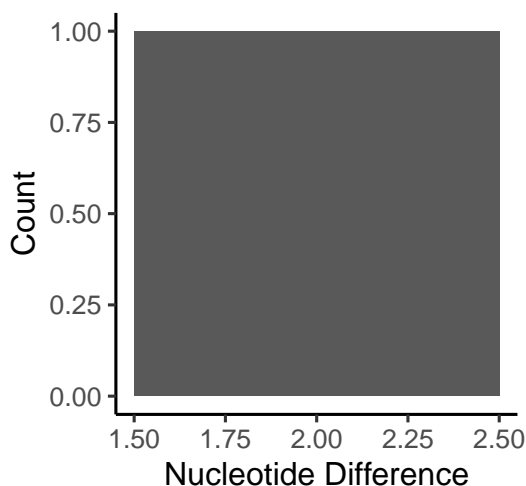
TRBV18*ap01

10399 sequences assigned
10331 (99.3%) exact matches, in which:
10199 unique CDR3
13 unique J



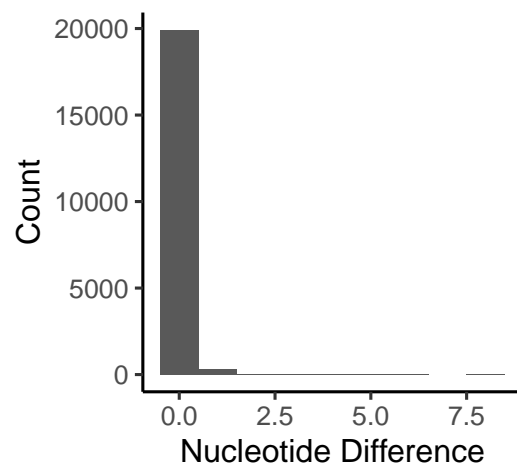
TRBV26*ap01

1 sequences assigned
No exact matches.



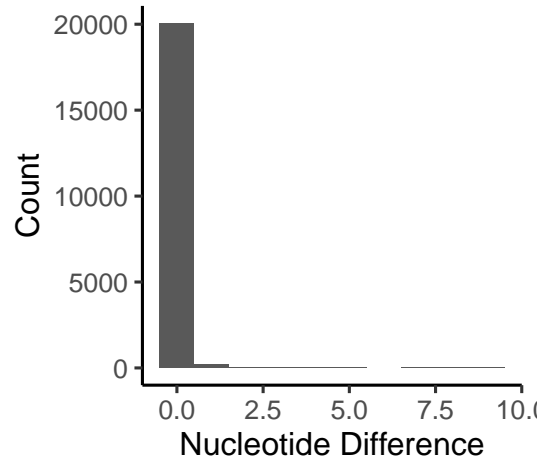
TRBV30*ap01

20239 sequences assigned
19927 (98.5%) exact matches, in which:
19550 unique CDR3
14 unique J



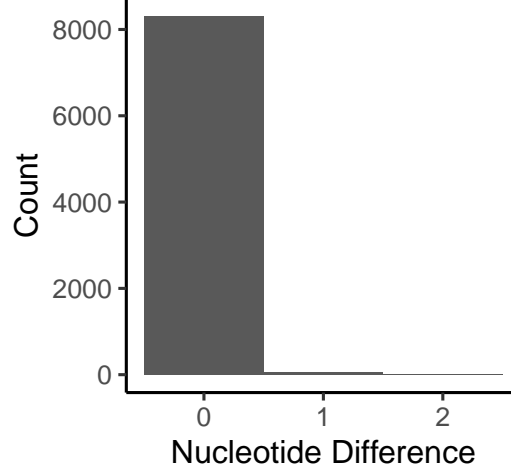
TRBV9*ap01

20266 sequences assigned
20063 (99%) exact matches, in which:
19688 unique CDR3
13 unique J



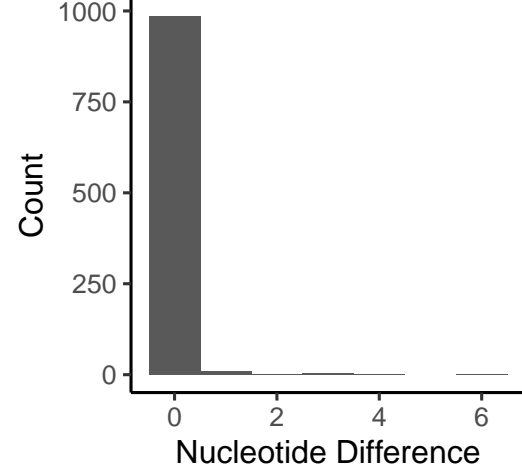
TRBV11-2*ap01

8360 sequences assigned
8303 (99.3%) exact matches, in which:
8171 unique CDR3
13 unique J



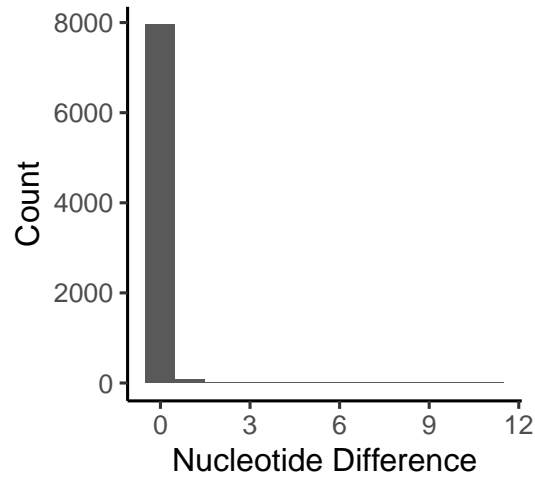
TRBV12-2*ap01

1001 sequences assigned
985 (98.4%) exact matches, in which:
967 unique CDR3
13 unique J



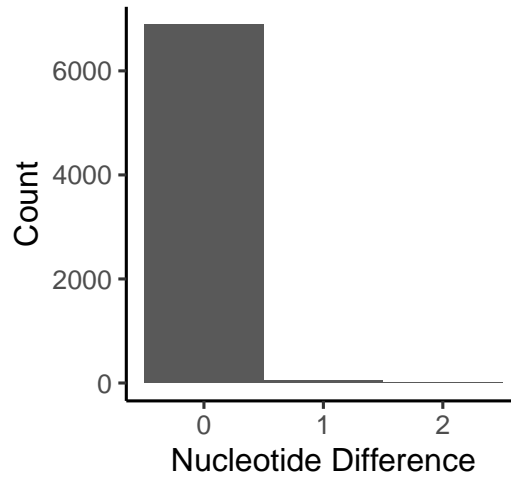
TRBV21-1*ap01

8072 sequences assigned
7952 (98.5%) exact matches, in which:
7813 unique CDR3
13 unique J



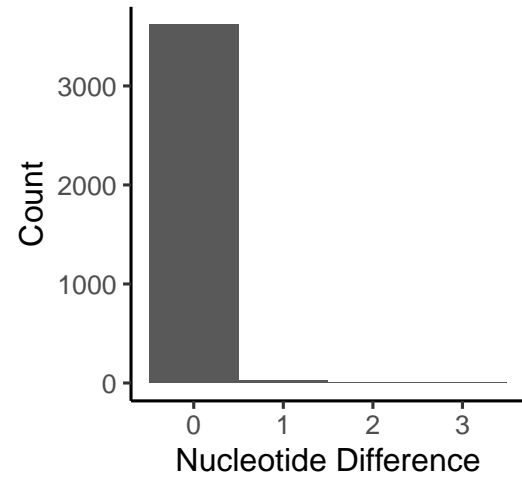
TRBV11-3*ap01

6932 sequences assigned
6887 (99.4%) exact matches, in which:
6771 unique CDR3
13 unique J



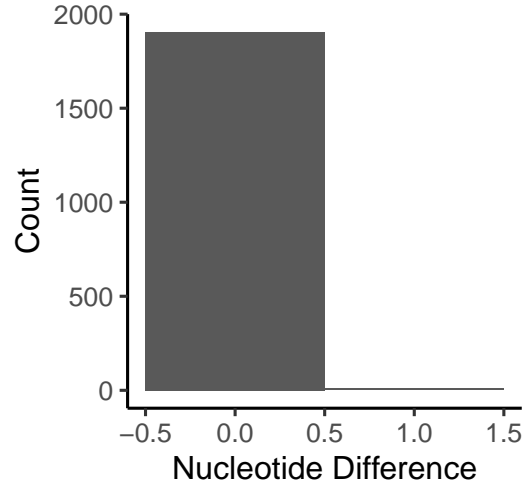
TRBV12-5*ap01

3651 sequences assigned
3618 (99.1%) exact matches, in which:
3547 unique CDR3
13 unique J



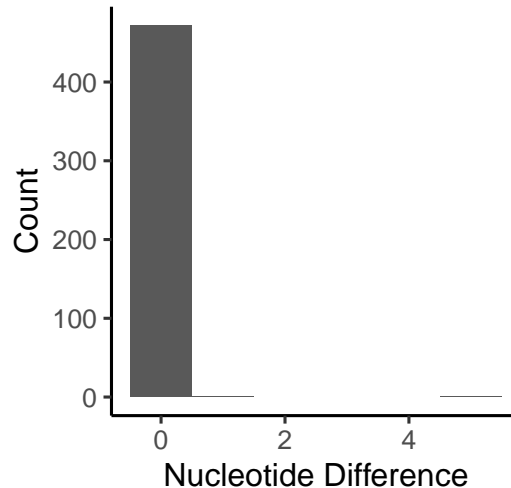
TRBV11-1*ap01

1914 sequences assigned
1905 (99.5%) exact matches, in which:
1878 unique CDR3
13 unique J



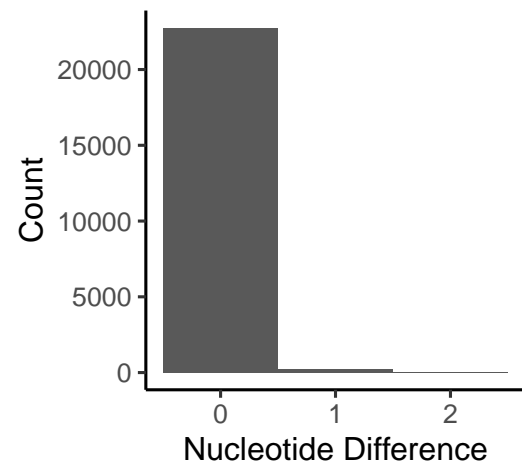
TRBV12-1*ap01

474 sequences assigned
472 (99.6%) exact matches, in which:
466 unique CDR3
13 unique J



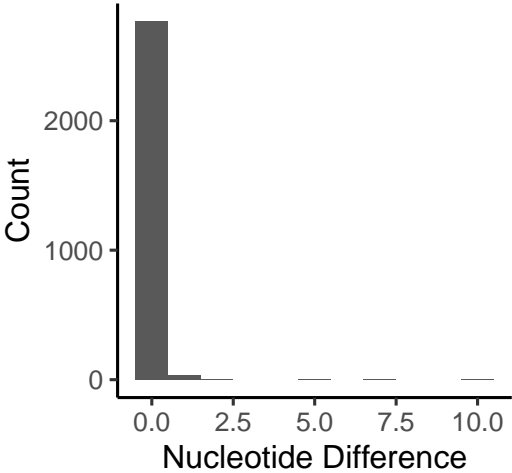
TRBV12-34*ap01

22969 sequences assigned
22754 (99.1%) exact matches, in which:
22312 unique CDR3
13 unique J



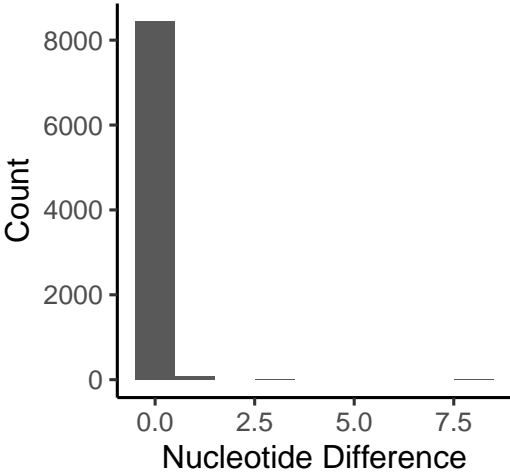
TRBV23-1*ap01

2805 sequences assigned
2767 (98.6%) exact matches, in which:
2706 unique CDR3
13 unique J



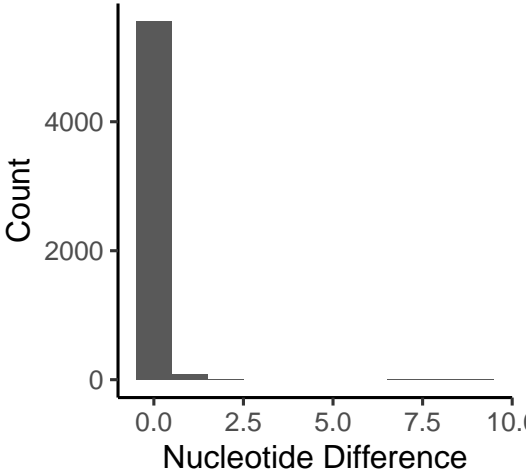
TRBV4-1*ap01

8519 sequences assigned
8442 (99.1%) exact matches, in which:
8241 unique CDR3
13 unique J



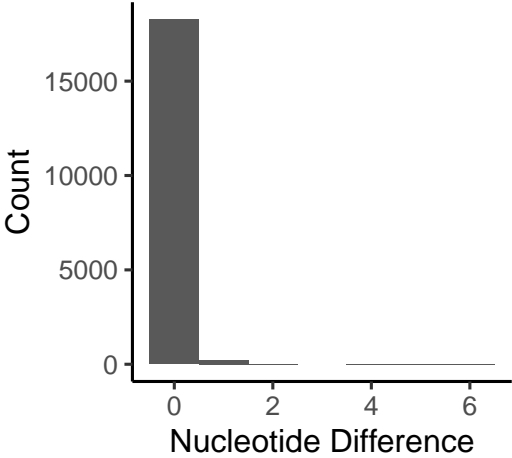
TRBV25-1*ap01

5647 sequences assigned
5556 (98.4%) exact matches, in which:
5413 unique CDR3
13 unique J



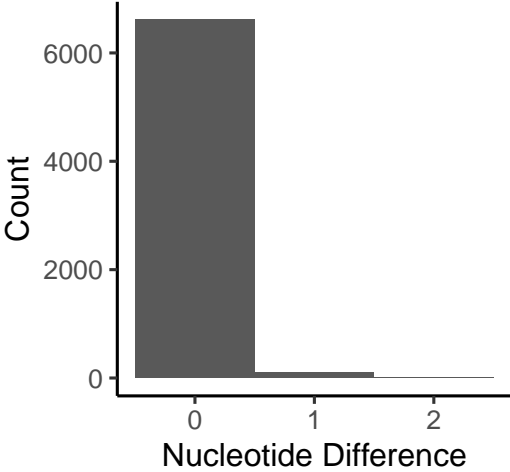
TRBV3-12*ap01

18491 sequences assigned
18266 (98.8%) exact matches, in which:
17864 unique CDR3
13 unique J



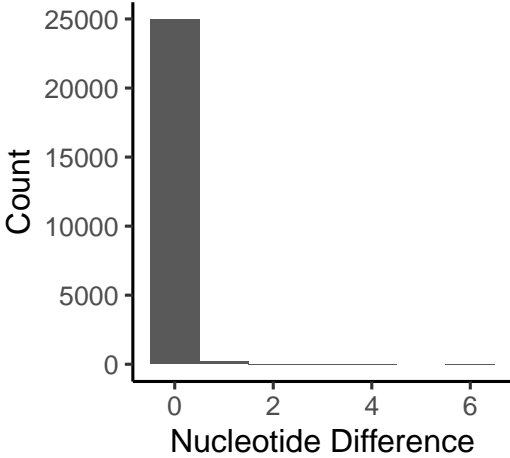
TRBV4-2*ap01

6707 sequences assigned
6613 (98.6%) exact matches, in which:
6487 unique CDR3
13 unique J



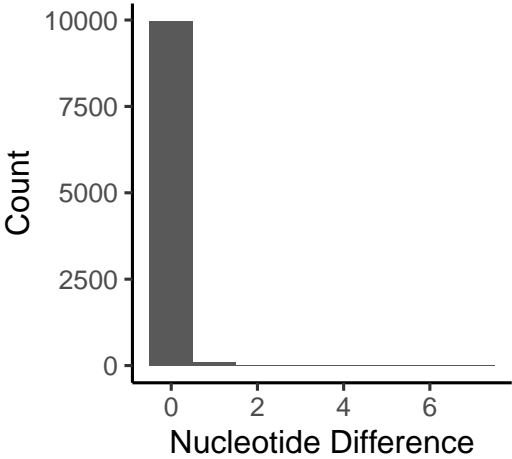
TRBV5-1*ap01

25190 sequences assigned
24964 (99.1%) exact matches, in which:
24329 unique CDR3
13 unique J



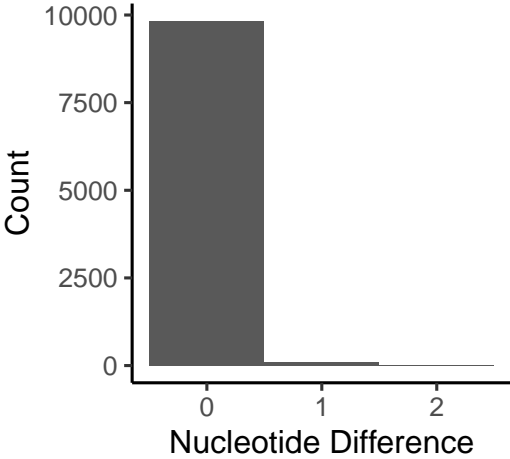
TRBV24-1*ap01

10094 sequences assigned
9978 (98.9%) exact matches, in which:
9732 unique CDR3
13 unique J



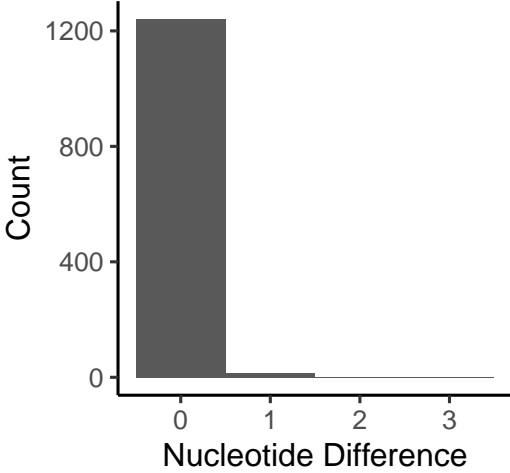
TRBV4-3*ap01

9948 sequences assigned
9835 (98.9%) exact matches, in which:
9638 unique CDR3
13 unique J



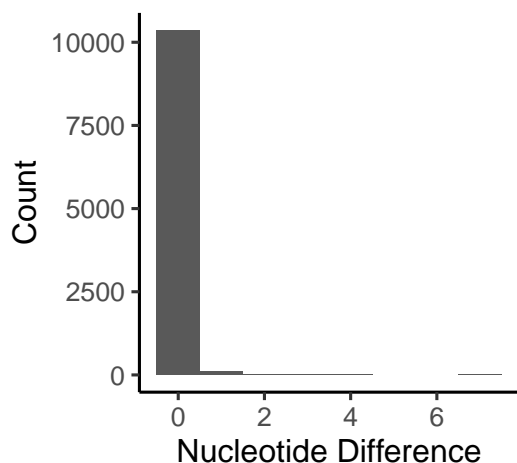
TRBV5-3*ap01

1257 sequences assigned
1241 (98.7%) exact matches, in which:
1220 unique CDR3
13 unique J



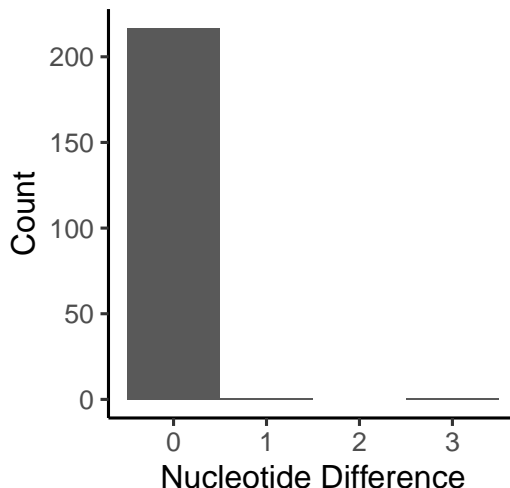
TRBV5-4*ap01

10467 sequences assigned
10364 (99%) exact matches, in which:
10123 unique CDR3
13 unique J



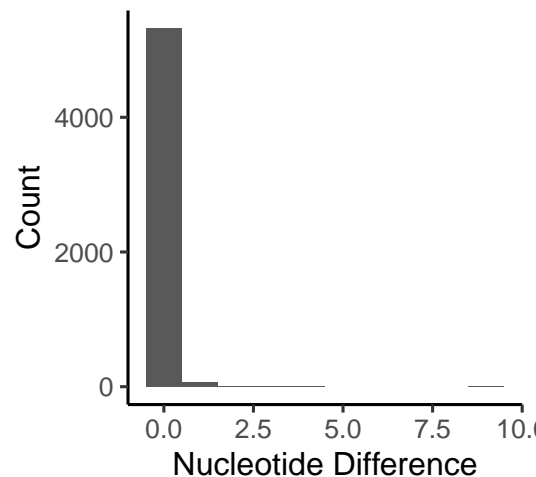
TRBV5-7*ap01

219 sequences assigned
217 (99.1%) exact matches, in which:
213 unique CDR3
14 unique J



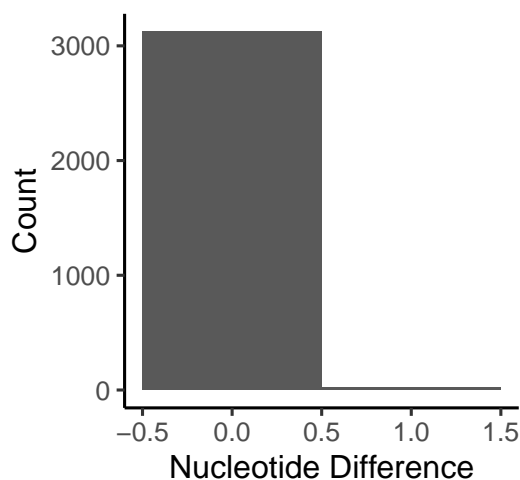
TRBV6-4*ap01

5396 sequences assigned
5320 (98.6%) exact matches, in which:
5208 unique CDR3
13 unique J



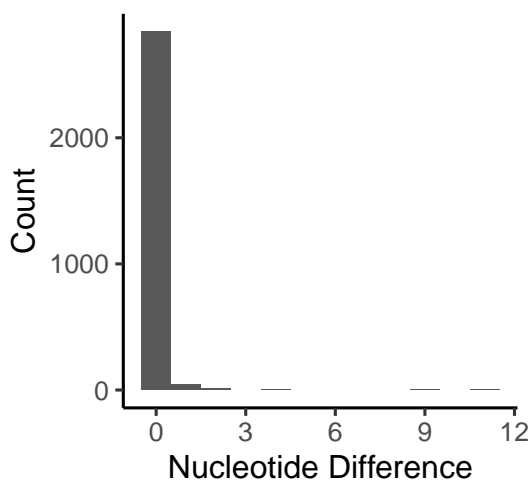
TRBV5-5*ap01

3141 sequences assigned
3123 (99.4%) exact matches, in which:
3099 unique CDR3
13 unique J



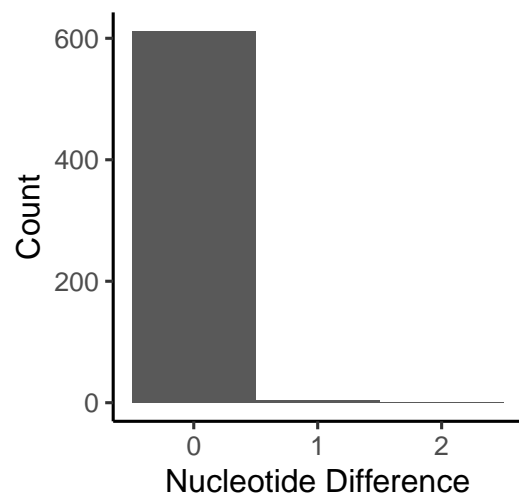
TRBV5-8*ap01

2897 sequences assigned
2841 (98.1%) exact matches, in which:
2791 unique CDR3
13 unique J



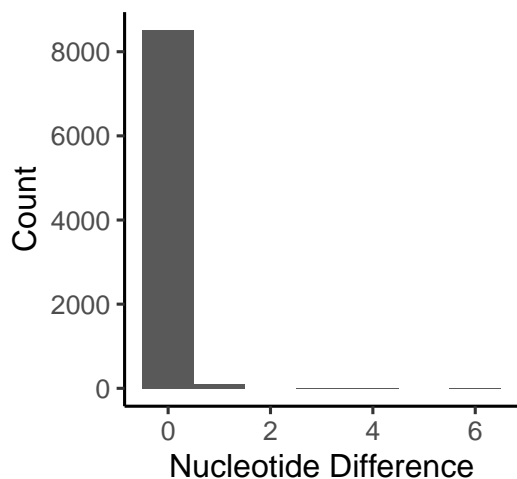
TRBV6-7*ap01

617 sequences assigned
612 (99.2%) exact matches, in which:
596 unique CDR3
13 unique J



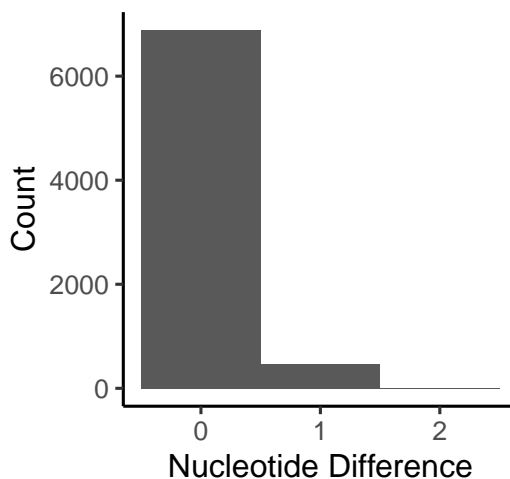
TRBV5-6*ap01

8623 sequences assigned
8515 (98.7%) exact matches, in which:
8271 unique CDR3
13 unique J



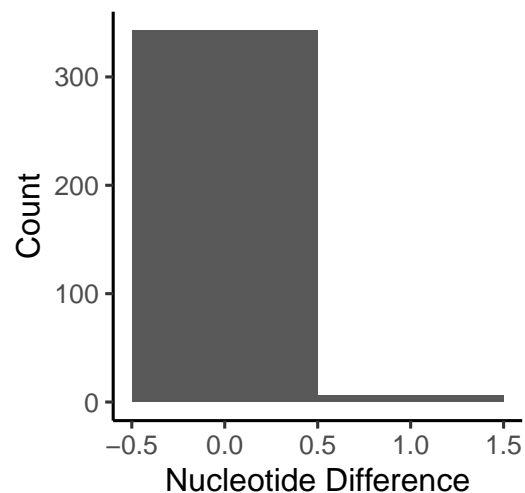
TRBV6-1*ap01

7349 sequences assigned
6886 (93.7%) exact matches, in which:
6703 unique CDR3
13 unique J



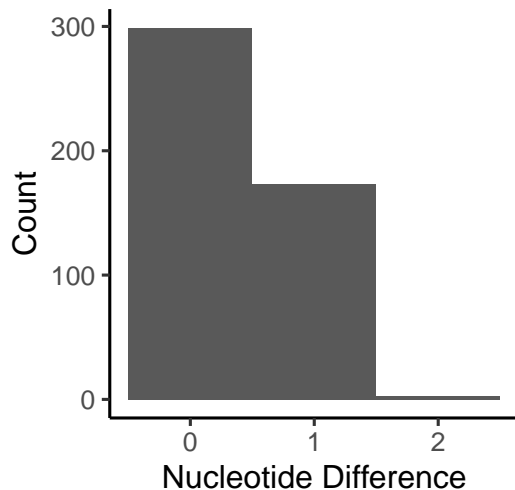
TRBV6-8*ap01

349 sequences assigned
343 (98.3%) exact matches, in which:
335 unique CDR3
13 unique J



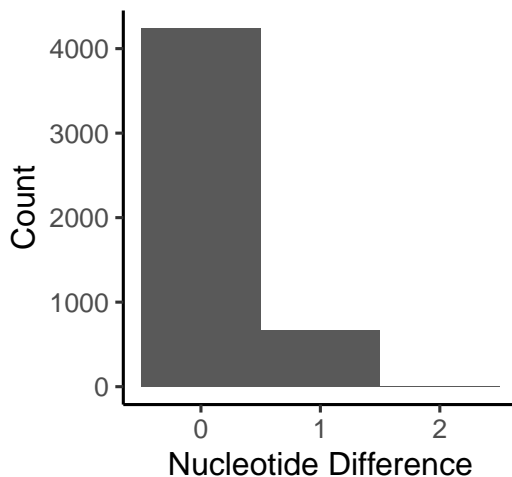
TRBV6–9*ap01

475 sequences assigned
299 (62.9%) exact matches, in which:
288 unique CDR3
13 unique J



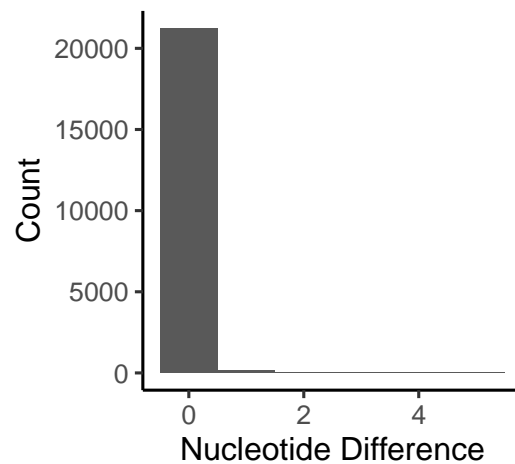
TRBV6–56*ap02

4913 sequences assigned
4239 (86.3%) exact matches, in which:
4124 unique CDR3
13 unique J



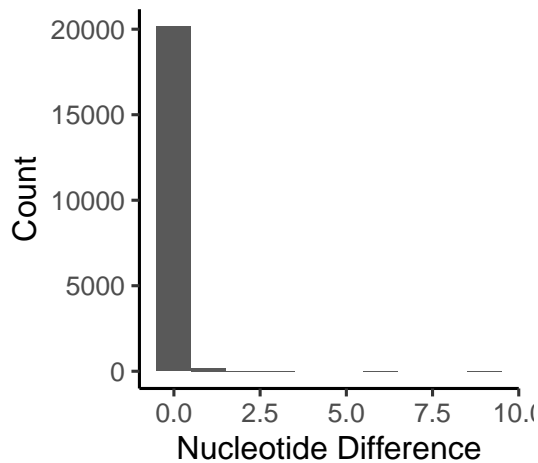
TRBV7–2*ap01

21394 sequences assigned
21245 (99.3%) exact matches, in which:
20909 unique CDR3
14 unique J



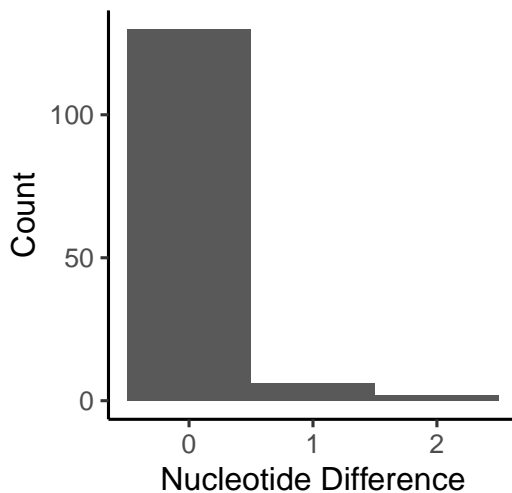
TRBV6–23*ap01

20364 sequences assigned
20160 (99%) exact matches, in which:
19613 unique CDR3
13 unique J



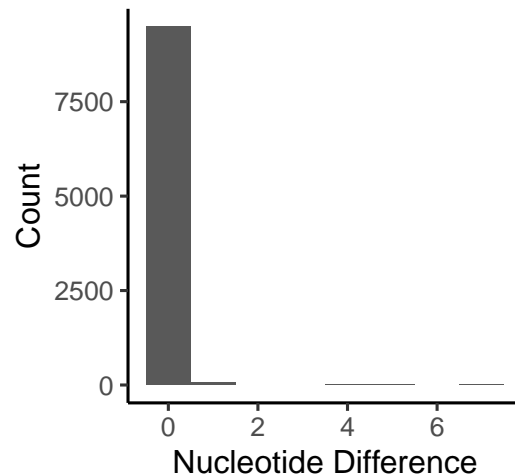
TRBV7–1*ap01_G291C_

138 sequences assigned
130 (94.2%) exact matches, in which:
129 unique CDR3
13 unique J



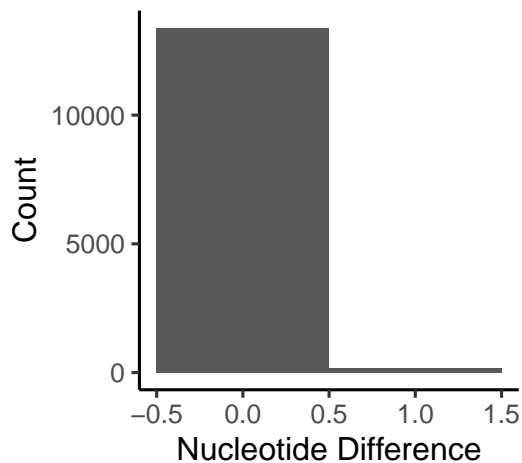
TRBV7–3*ap01

9554 sequences assigned
9484 (99.3%) exact matches, in which:
9365 unique CDR3
13 unique J



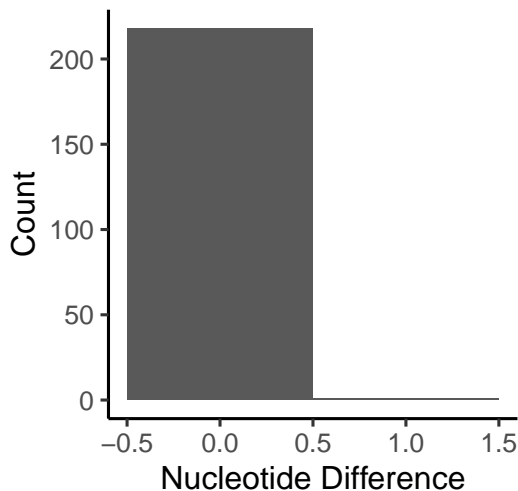
TRBV6–56*ap01

13557 sequences assigned
13391 (98.8%) exact matches, in which:
13033 unique CDR3
13 unique J



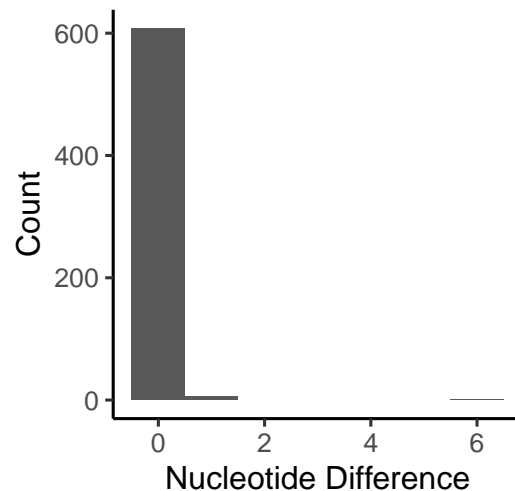
TRBV7–1*ap01_G291C_

219 sequences assigned
218 (99.5%) exact matches, in which:
214 unique CDR3
13 unique J



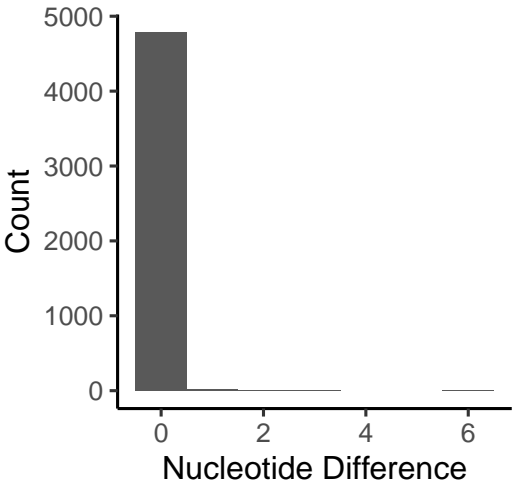
TRBV7–4*ap01

615 sequences assigned
608 (98.9%) exact matches, in which:
595 unique CDR3
13 unique J



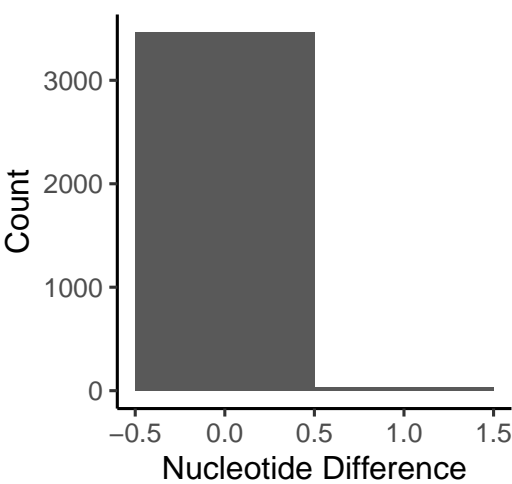
TRBV7-6*ap01

4809 sequences assigned
4784 (99.5%) exact matches, in which:
4685 unique CDR3
13 unique J



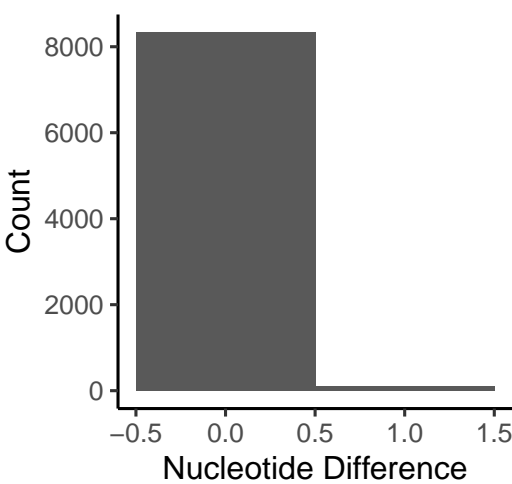
TRBV7-8*ap01

3499 sequences assigned
3463 (99%) exact matches, in which:
3369 unique CDR3
13 unique J



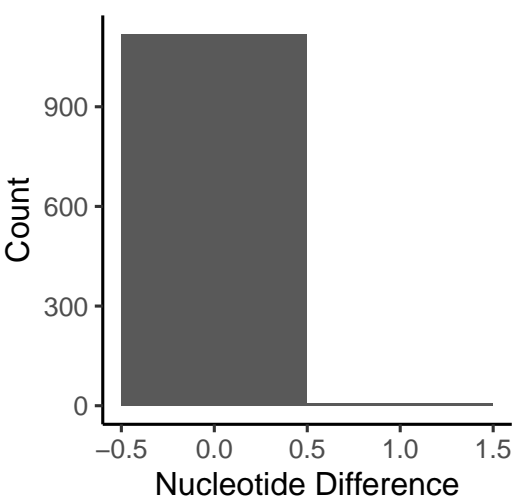
TRBV29-1*ap01

8431 sequences assigned
8333 (98.8%) exact matches, in which:
8129 unique CDR3
13 unique J



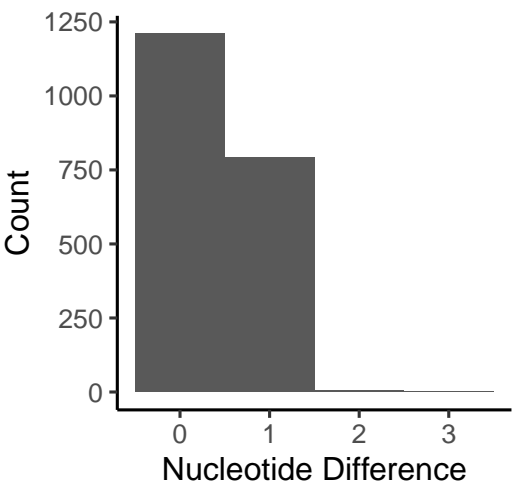
TRBV7-7*ap01

1127 sequences assigned
1119 (99.3%) exact matches, in which:
1102 unique CDR3
13 unique J



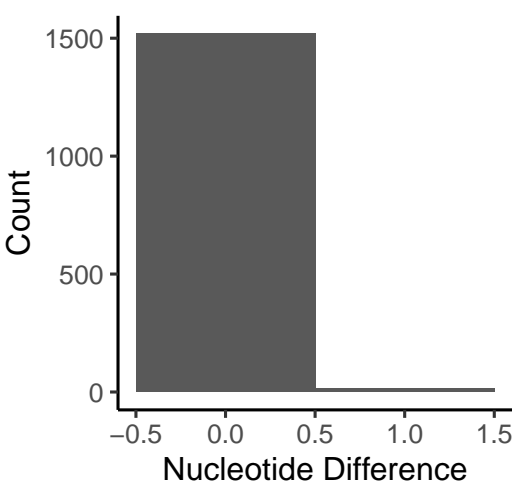
TRBV7-8*ap03

2008 sequences assigned
1210 (60.3%) exact matches, in which:
1185 unique CDR3
13 unique J



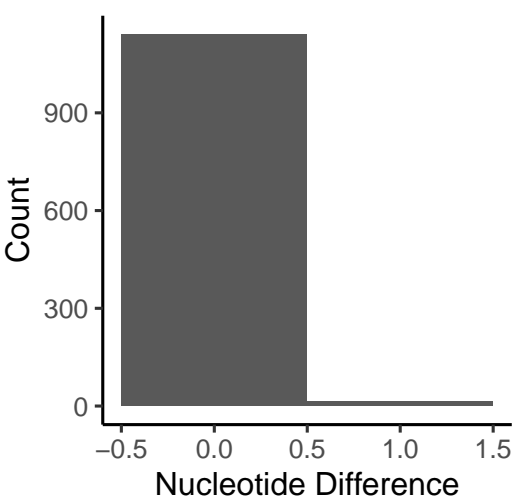
TRBV29-1*ap02

1532 sequences assigned
1519 (99.2%) exact matches, in which:
1483 unique CDR3
13 unique J



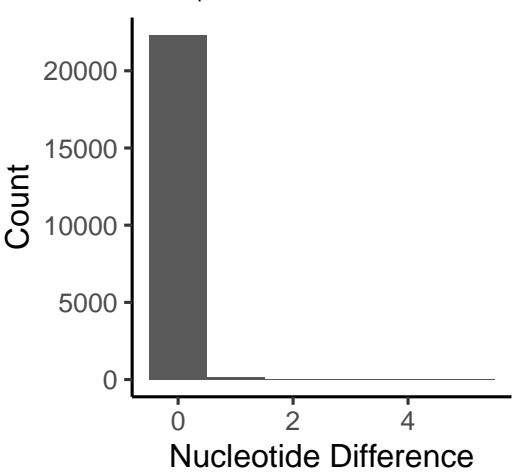
TRBV7-7*ap01_C315T

1156 sequences assigned
1141 (98.7%) exact matches, in which:
1113 unique CDR3
13 unique J

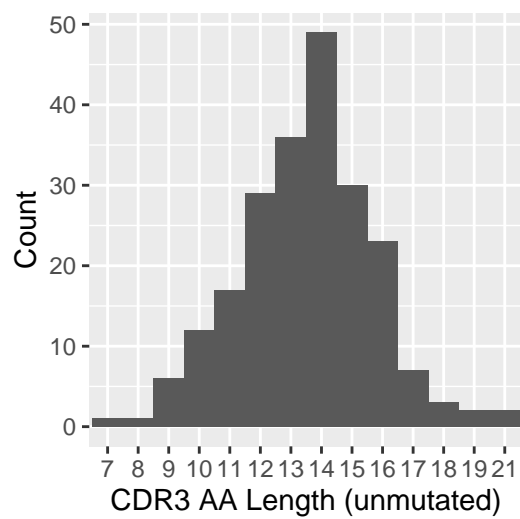


TRBV7-9*ap01

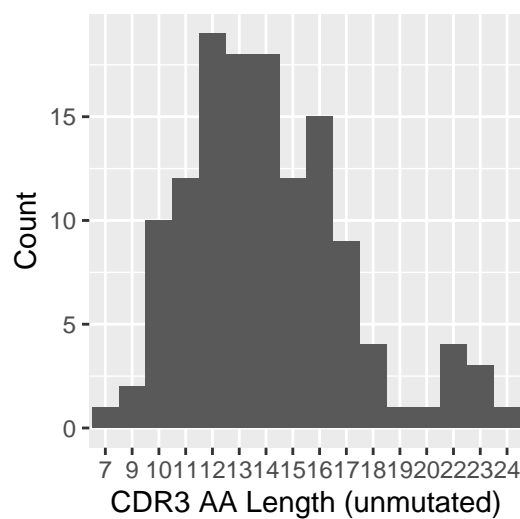
22487 sequences assigned
22332 (99.3%) exact matches, in which:
22028 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

