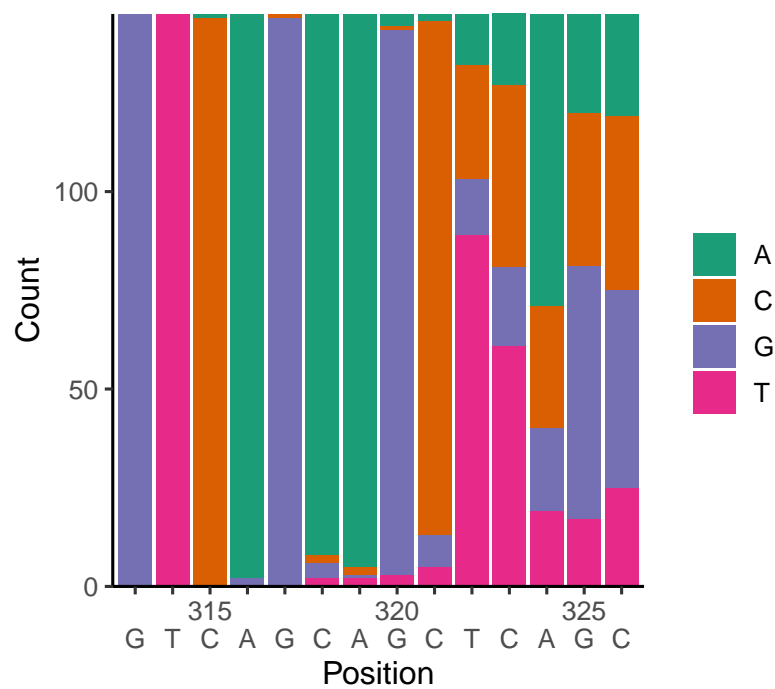
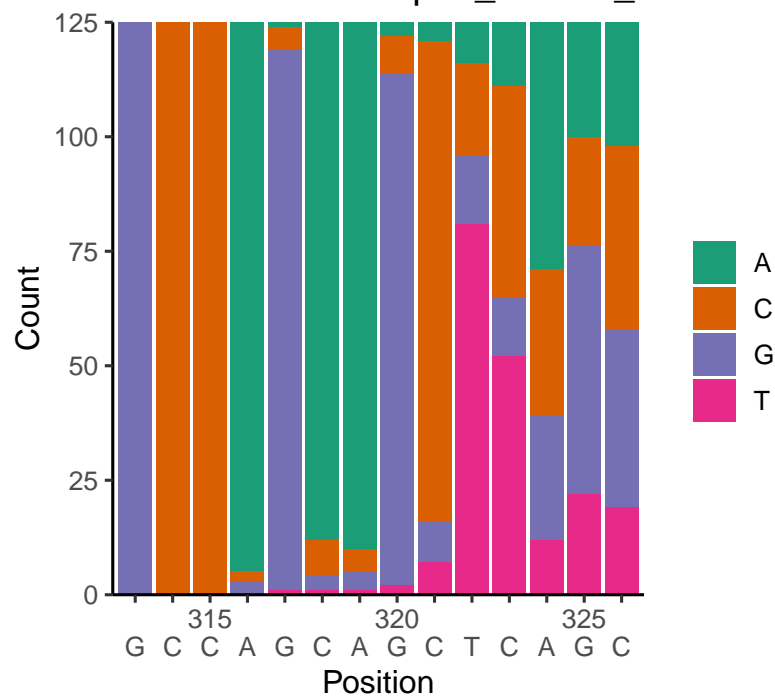


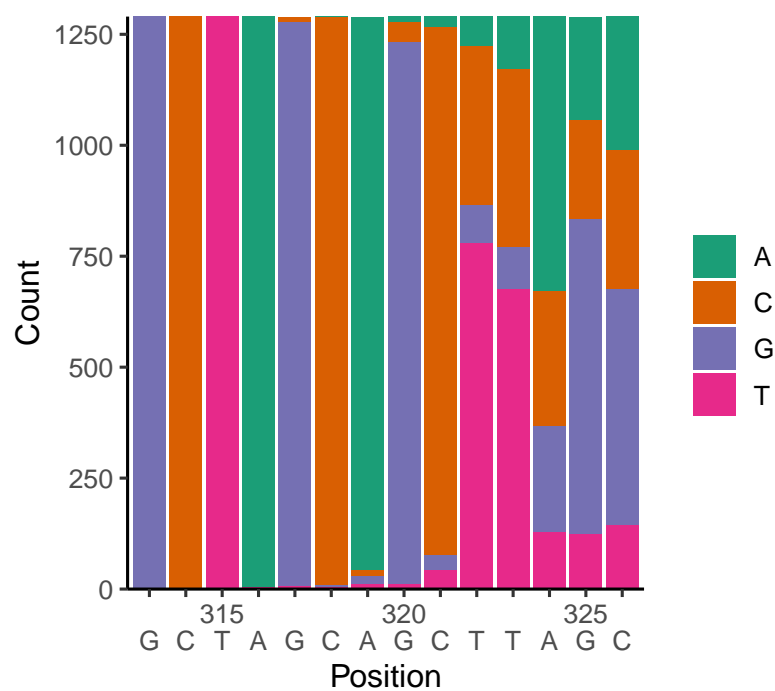
Gene TRBV7-1*ap01_G291C_T296C_C314T



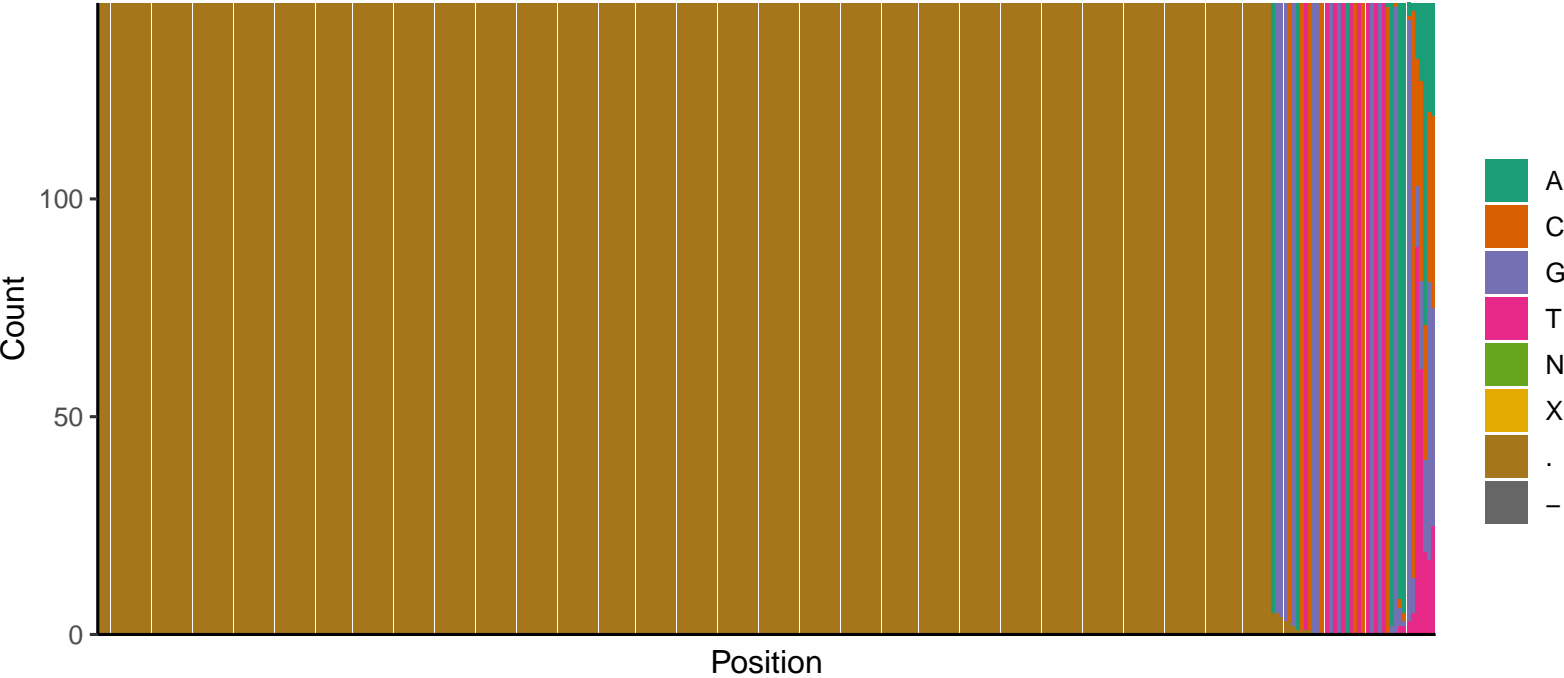
Gene TRBV7-1*ap01_G291C_T296C



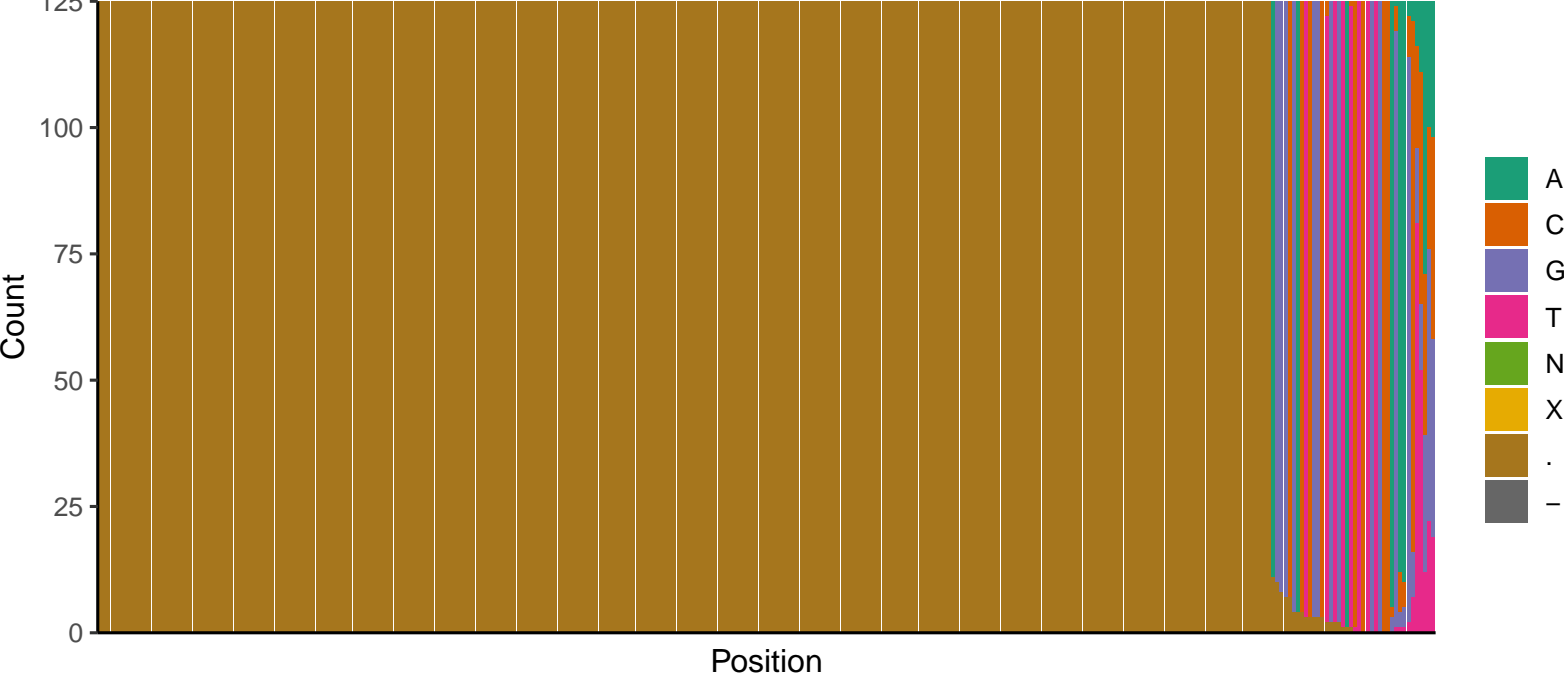
Gene TRBV7-7*ap01_C315T



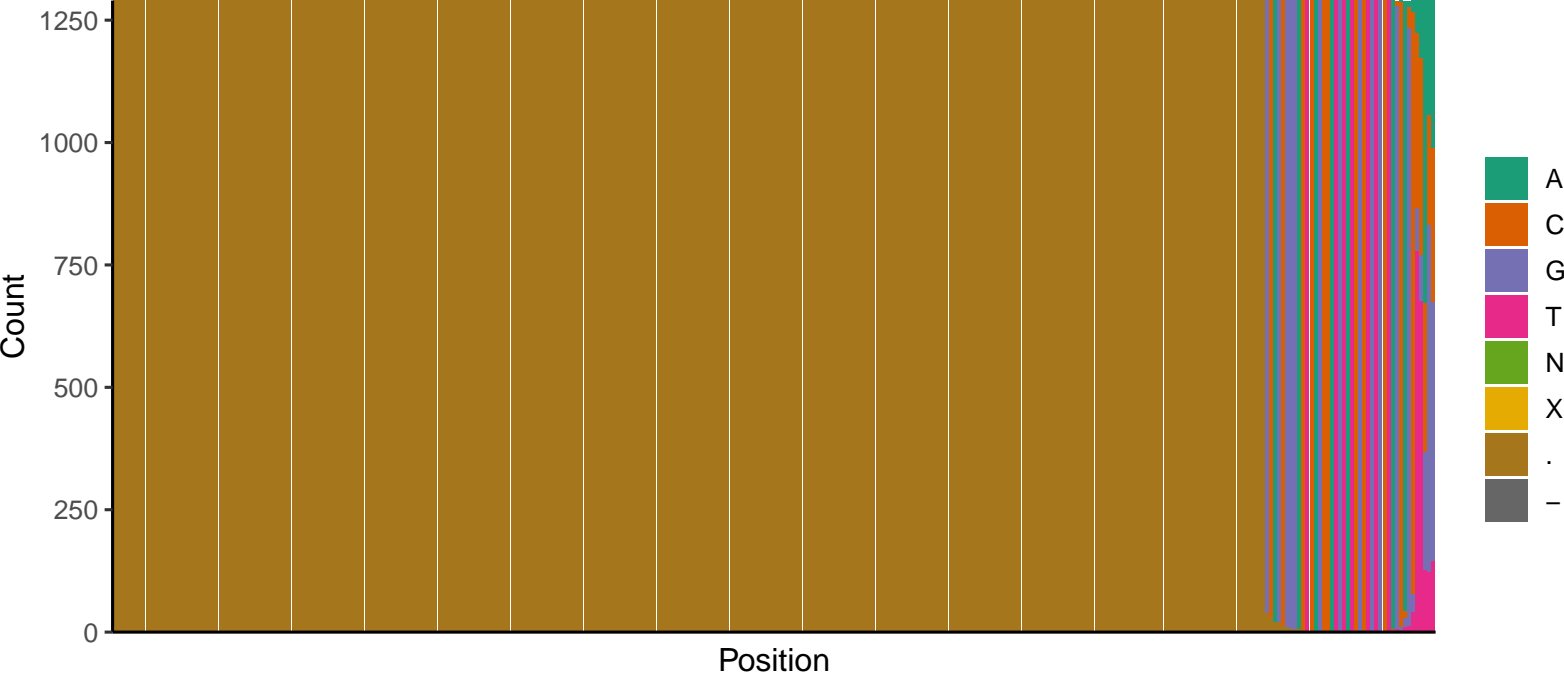
Gene TRBV7-1*ap01_G291C_T296C_C314T



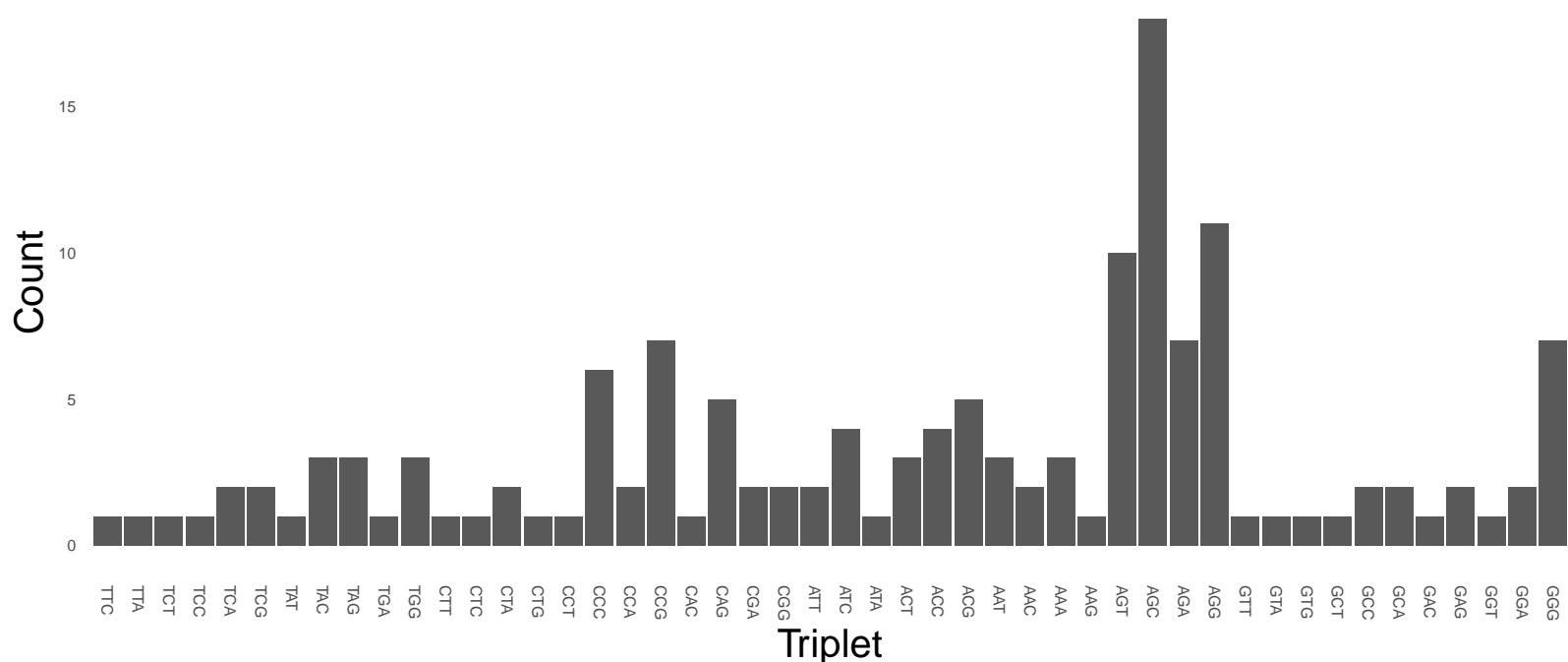
Gene TRBV7-1*ap01_G291C_T296C



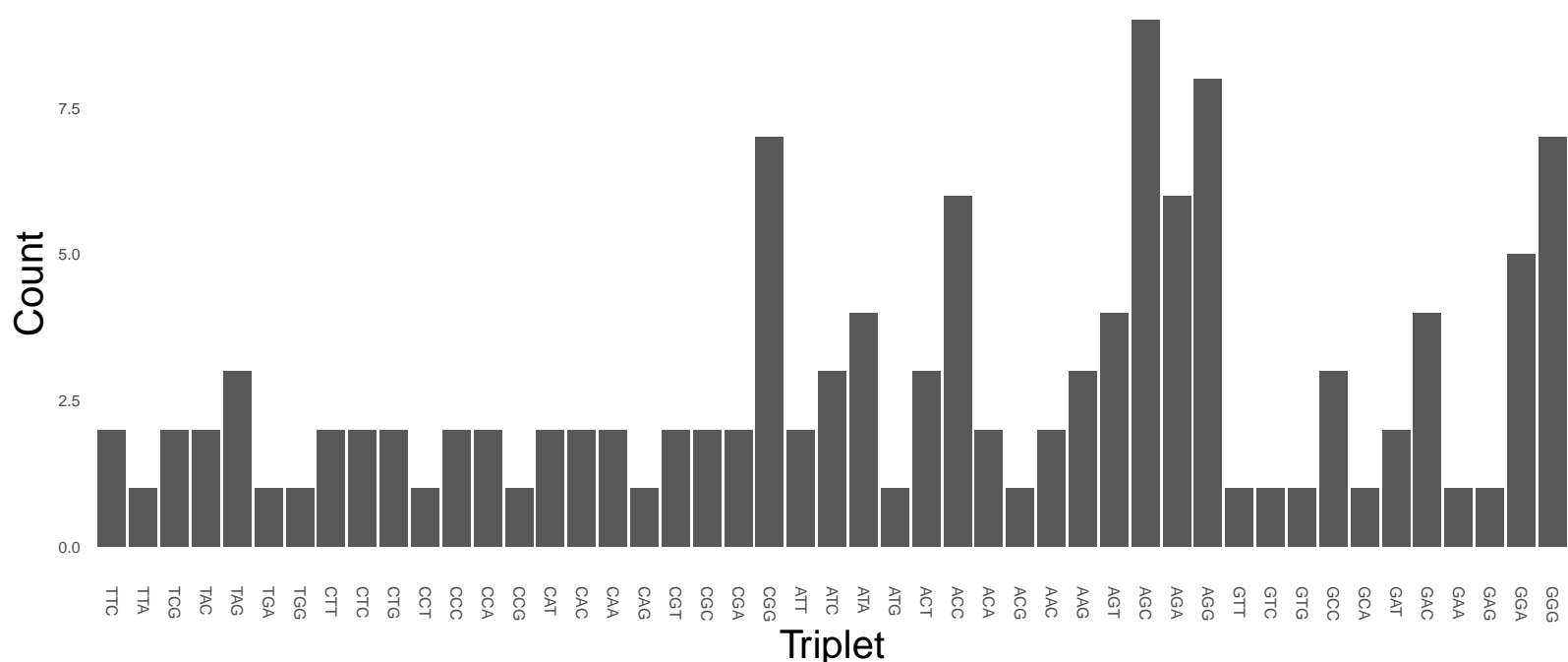
Gene TRBV7-7*ap01_C315T



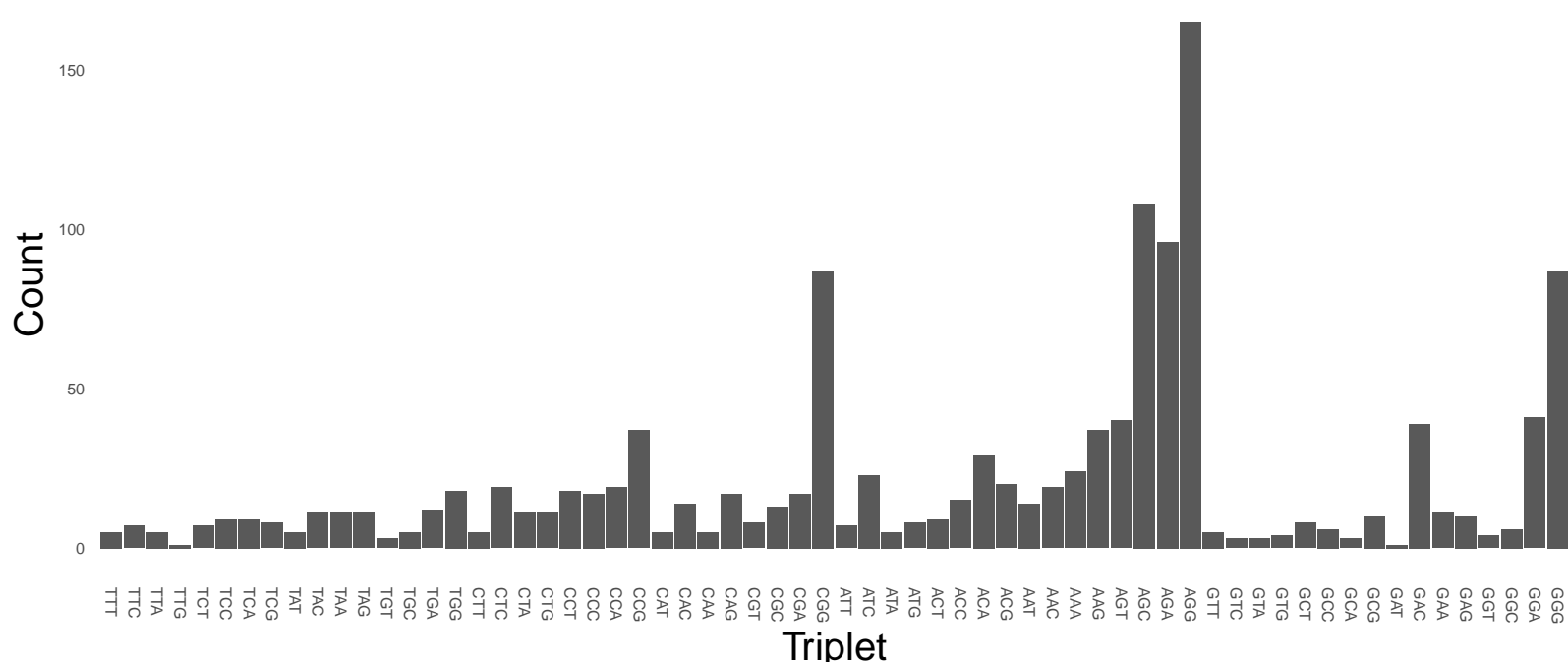
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

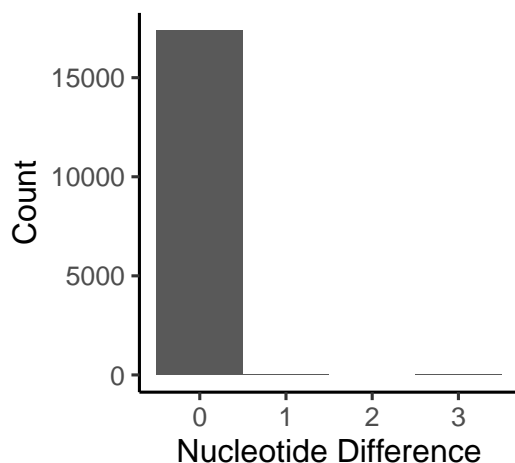


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



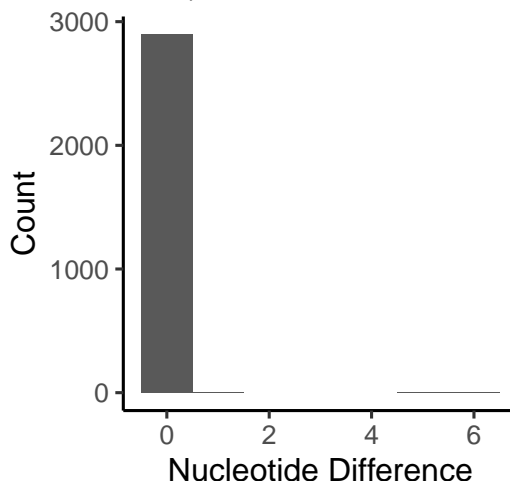
TRBV20-1*ap01

17424 sequences assigned
17398 (99.9%) exact matches, in which:
17389 unique CDR3
13 unique J



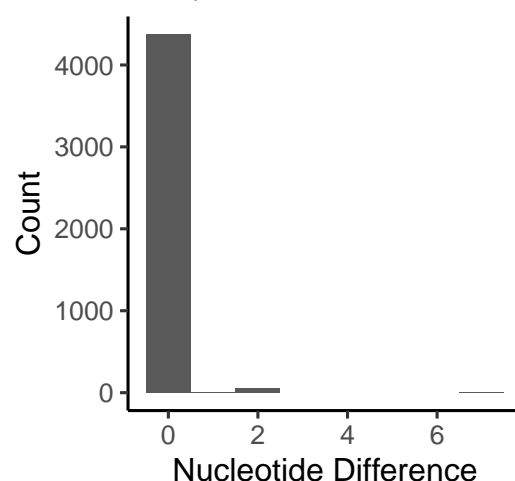
TRBV10-2*ap01

2904 sequences assigned
2897 (99.8%) exact matches, in which:
2897 unique CDR3
13 unique J



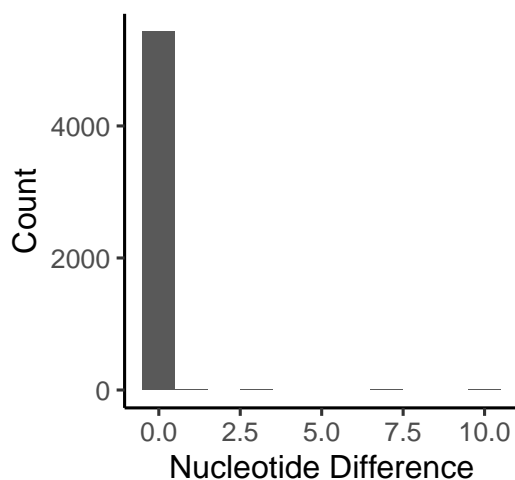
TRBV13*ap01

4433 sequences assigned
4373 (98.6%) exact matches, in which:
4372 unique CDR3
13 unique J



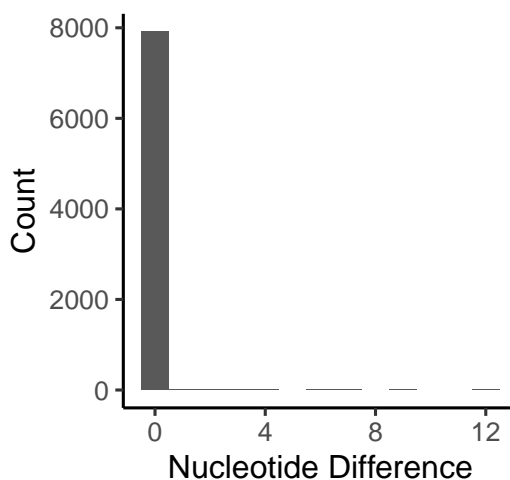
TRBV10-1*ap01

5436 sequences assigned
5427 (99.8%) exact matches, in which:
5425 unique CDR3
13 unique J



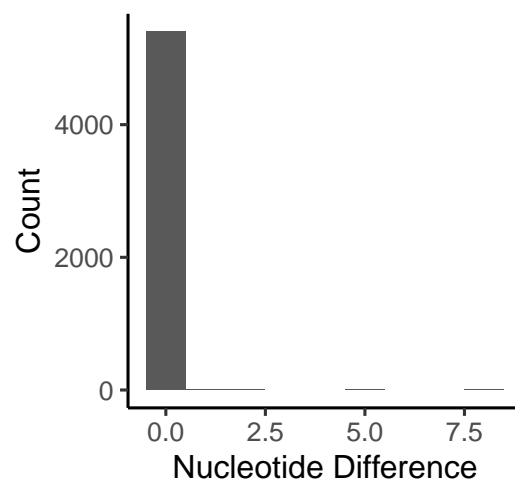
TRBV10-3*ap01

7936 sequences assigned
7913 (99.7%) exact matches, in which:
7908 unique CDR3
13 unique J



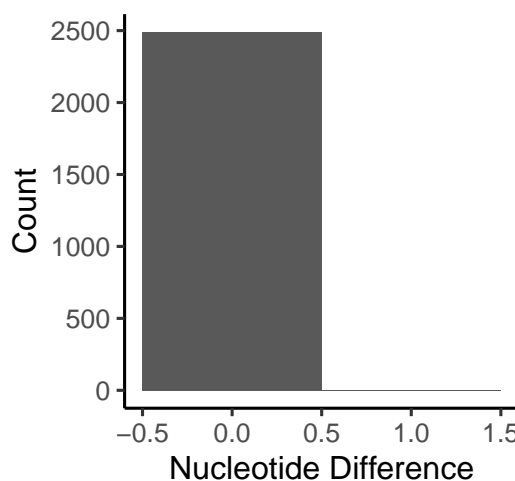
TRBV14*ap01

5409 sequences assigned
5401 (99.9%) exact matches, in which:
5401 unique CDR3
13 unique J



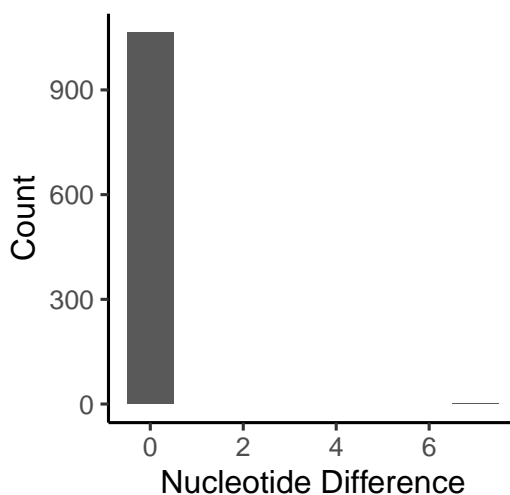
TRBV20-1*ap02

2493 sequences assigned
2490 (99.9%) exact matches, in which:
2489 unique CDR3
13 unique J



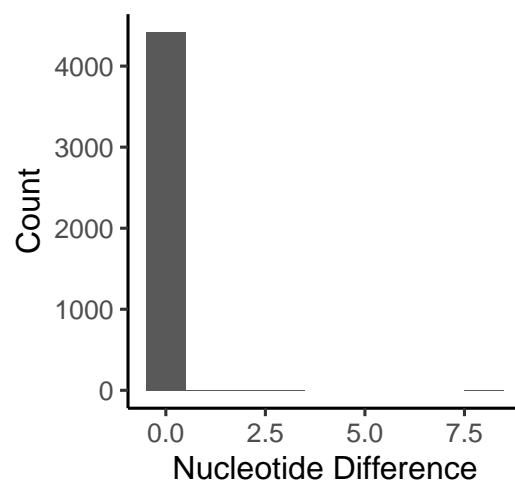
TRBV1*ap01

1066 sequences assigned
1065 (99.9%) exact matches, in which:
1063 unique CDR3
13 unique J



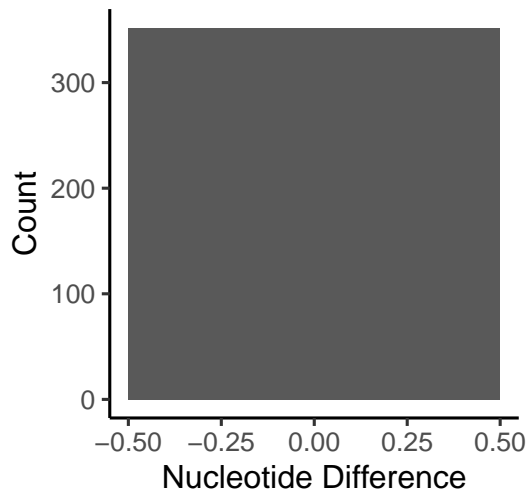
TRBV15*ap02

4427 sequences assigned
4420 (99.8%) exact matches, in which:
4418 unique CDR3
13 unique J



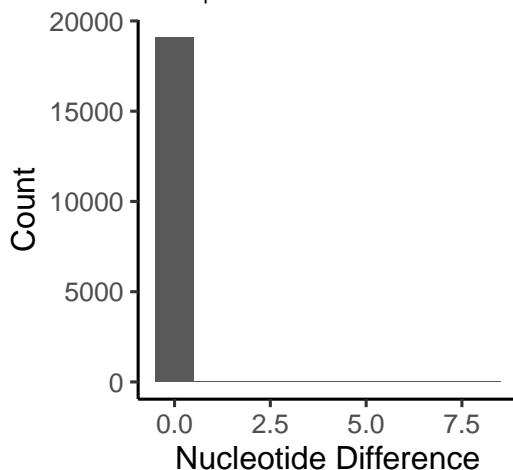
TRBV16*ap01

352 sequences assigned
352 (100%) exact matches, in which:
352 unique CDR3
13 unique J



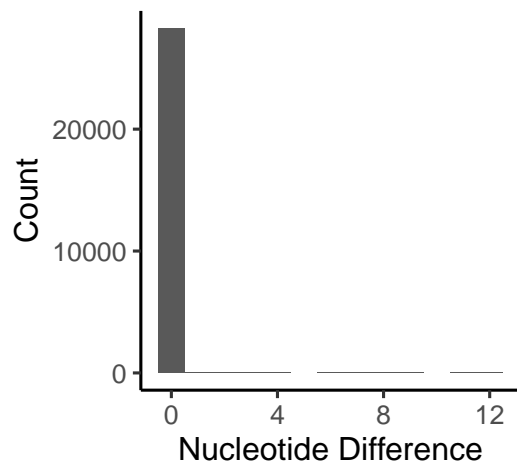
TRBV19*ap01

19163 sequences assigned
19102 (99.7%) exact matches, in which:
19102 unique CDR3
13 unique J



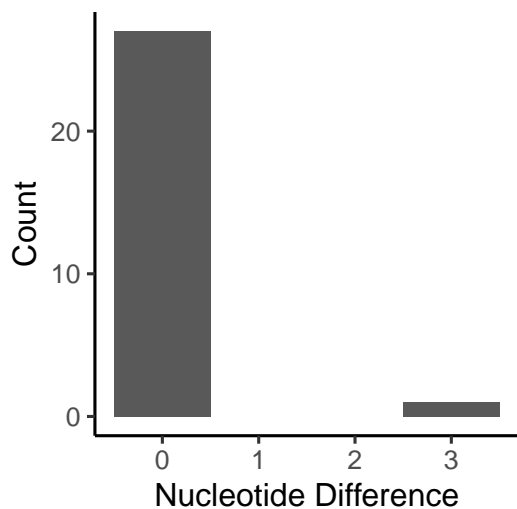
TRBV27*ap01

28350 sequences assigned
28285 (99.8%) exact matches, in which:
28257 unique CDR3
13 unique J



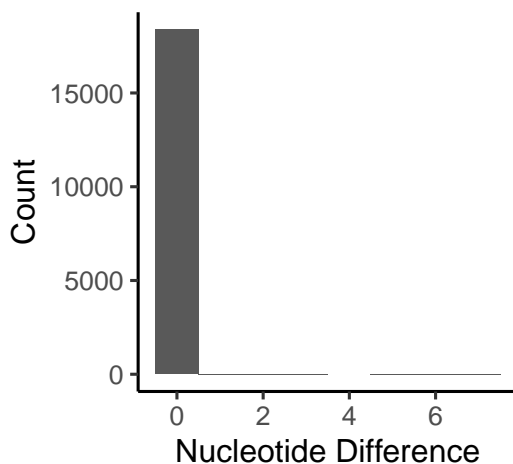
TRBV17*ap01

28 sequences assigned
27 (96.4%) exact matches, in which:
27 unique CDR3
10 unique J



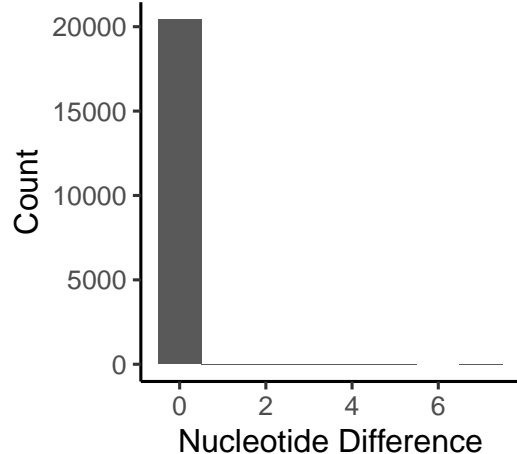
TRBV2*ap01

18426 sequences assigned
18387 (99.8%) exact matches, in which:
18381 unique CDR3
13 unique J



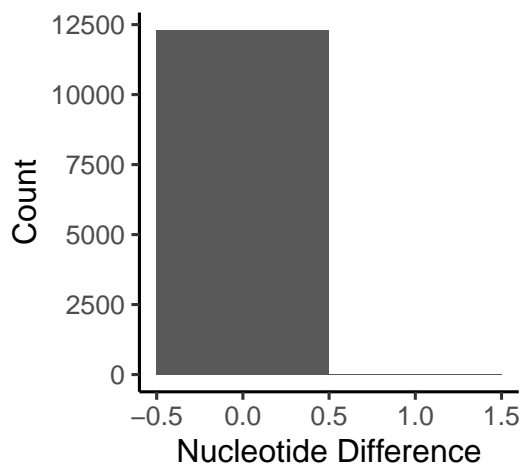
TRBV28*ap01

20455 sequences assigned
20428 (99.9%) exact matches, in which:
20428 unique CDR3
13 unique J



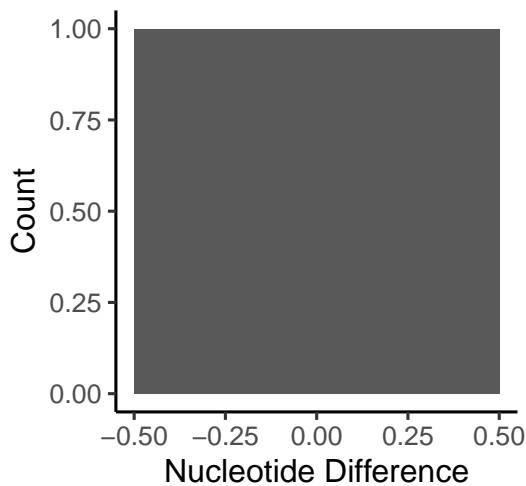
TRBV18*ap01

12324 sequences assigned
12315 (99.9%) exact matches, in which:
12315 unique CDR3
13 unique J



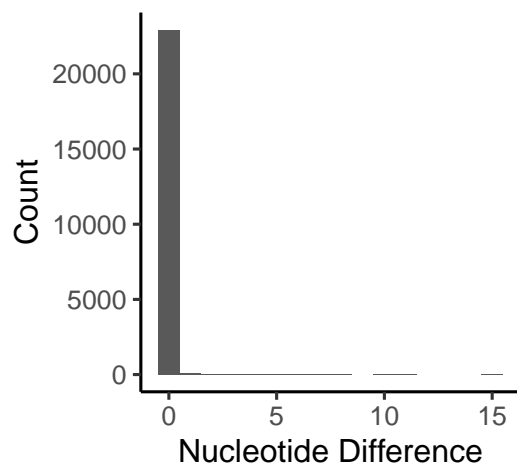
TRBV26*ap01

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



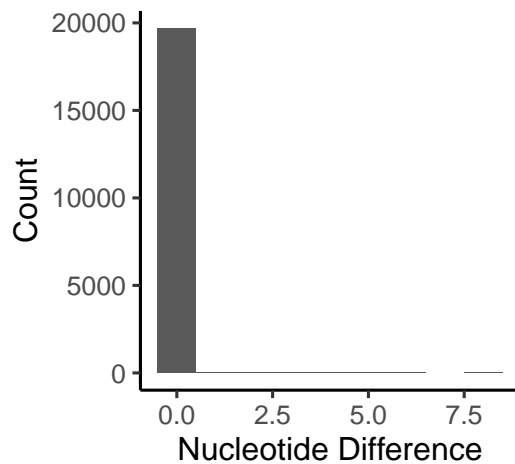
TRBV30*ap01

23035 sequences assigned
22931 (99.5%) exact matches, in which:
22895 unique CDR3
13 unique J



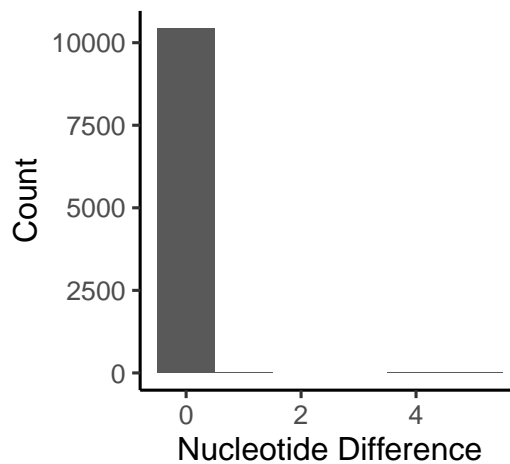
TRBV9*ap01

19742 sequences assigned
19700 (99.8%) exact matches, in which:
19694 unique CDR3
13 unique J



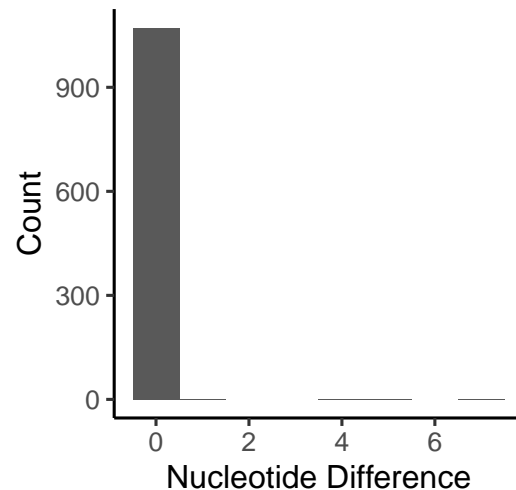
TRBV11-2*ap01

10452 sequences assigned
10440 (99.9%) exact matches, in which:
10440 unique CDR3
14 unique J



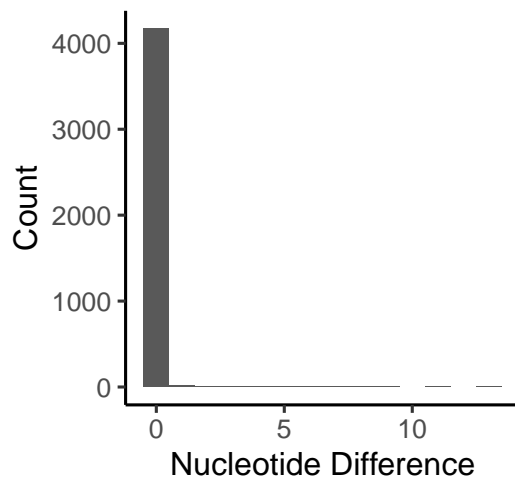
TRBV12-2*ap01

1077 sequences assigned
1072 (99.5%) exact matches, in which:
1072 unique CDR3
13 unique J



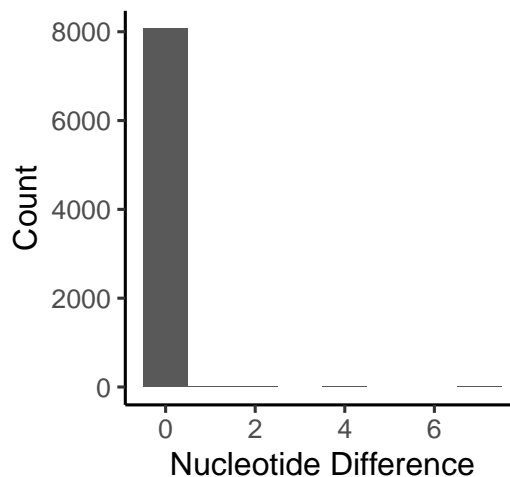
TRBV21-1*ap01

4224 sequences assigned
4170 (98.7%) exact matches, in which:
4170 unique CDR3
13 unique J



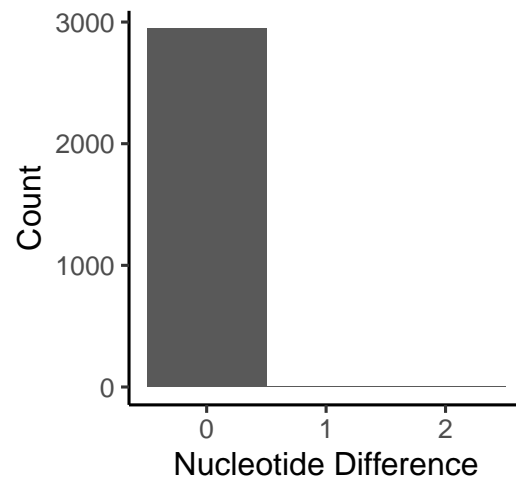
TRBV11-3*ap01

8082 sequences assigned
8068 (99.8%) exact matches, in which:
8068 unique CDR3
13 unique J



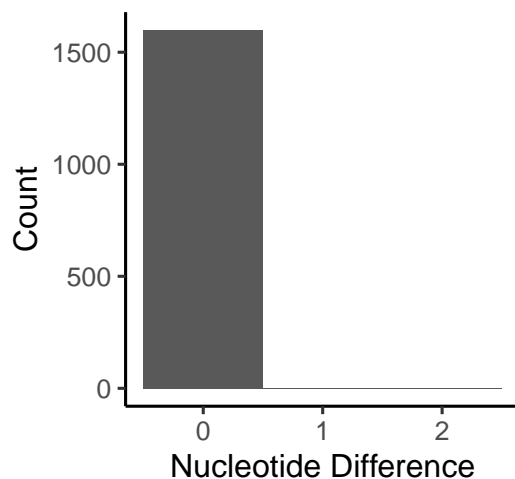
TRBV12-5*ap01

2950 sequences assigned
2945 (99.8%) exact matches, in which:
2944 unique CDR3
13 unique J



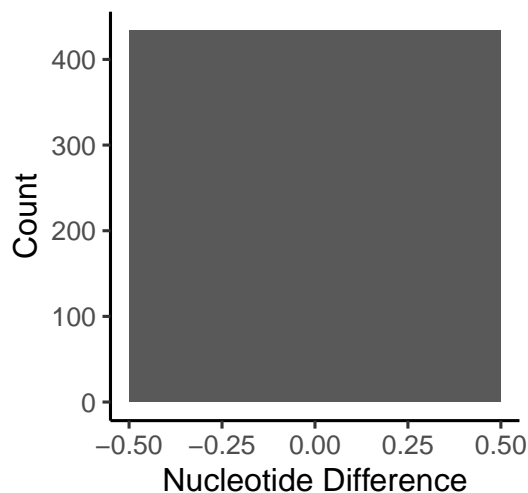
TRBV11-1*ap01

1602 sequences assigned
1599 (99.8%) exact matches, in which:
1599 unique CDR3
13 unique J



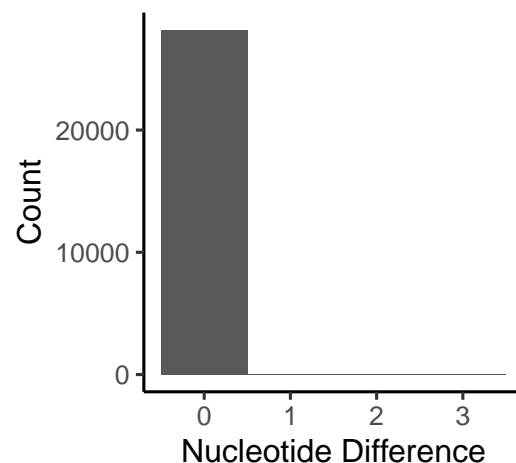
TRBV12-1*ap01

434 sequences assigned
434 (100%) exact matches, in which:
434 unique CDR3
13 unique J



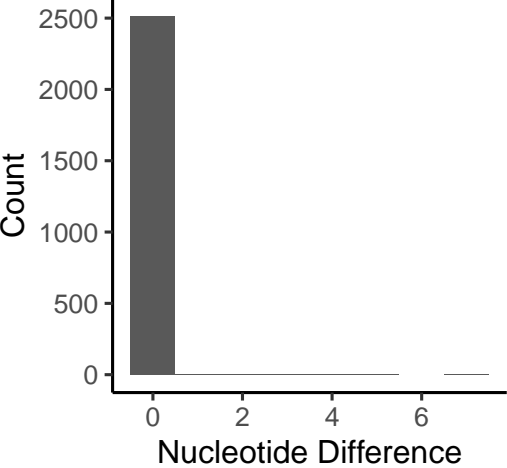
TRBV12-34*ap01

28232 sequences assigned
28198 (99.9%) exact matches, in which:
28198 unique CDR3
14 unique J



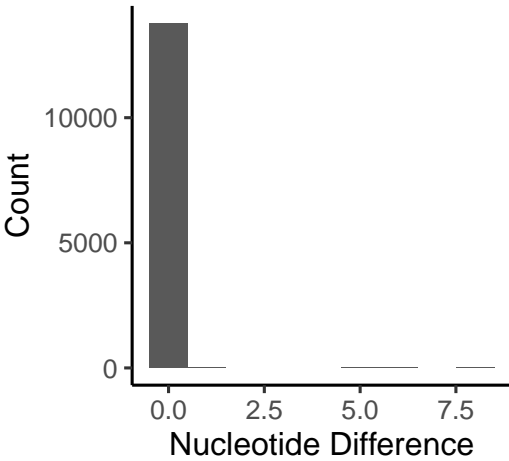
TRBV23-1*ap01

2532 sequences assigned
2512 (99.2%) exact matches, in which:
2512 unique CDR3
13 unique J



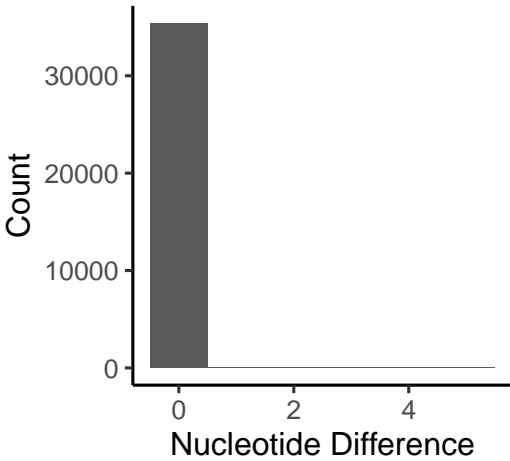
TRBV4-1*ap01

13796 sequences assigned
13778 (99.9%) exact matches, in which:
13778 unique CDR3
13 unique J



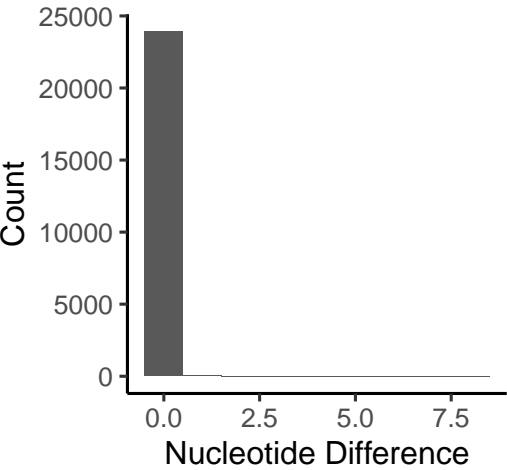
TRBV5-1*ap01

35457 sequences assigned
35402 (99.8%) exact matches, in which:
35370 unique CDR3
13 unique J



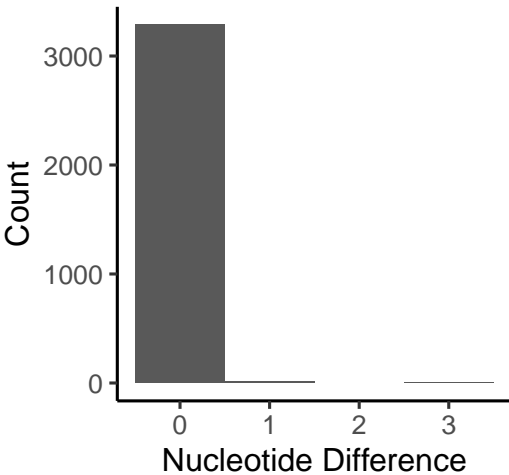
TRBV3-12*ap01

23989 sequences assigned
23921 (99.7%) exact matches, in which:
23893 unique CDR3
13 unique J



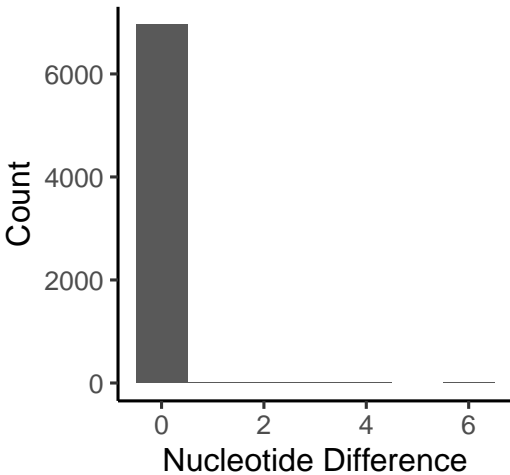
TRBV4-2*ap01

3301 sequences assigned
3287 (99.6%) exact matches, in which:
3287 unique CDR3
13 unique J



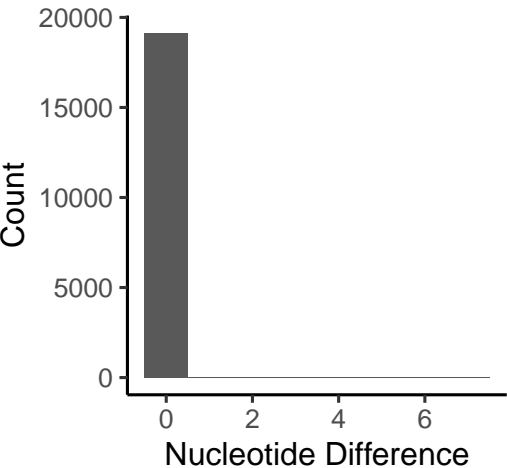
TRBV25-1*ap01

6979 sequences assigned
6955 (99.7%) exact matches, in which:
6947 unique CDR3
13 unique J



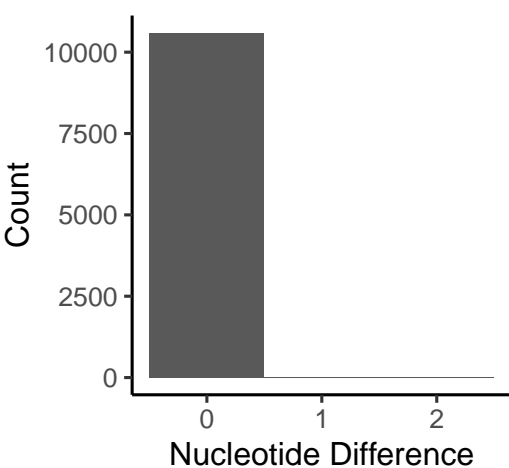
TRBV24-1*ap01

19193 sequences assigned
19146 (99.8%) exact matches, in which:
19118 unique CDR3
13 unique J



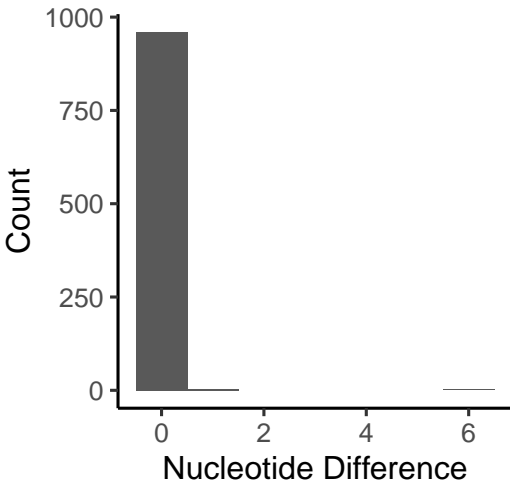
TRBV4-3*ap01

10604 sequences assigned
10596 (99.9%) exact matches, in which:
10595 unique CDR3
13 unique J



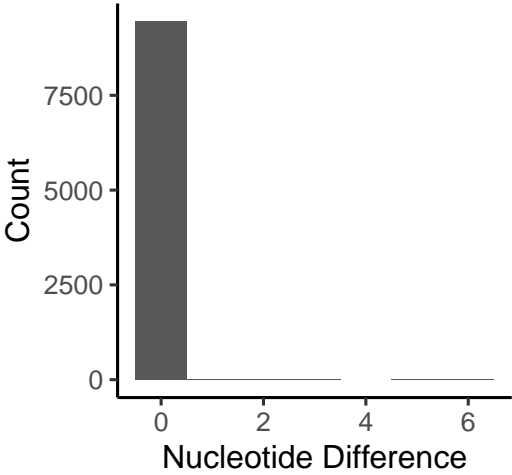
TRBV5-3*ap01

965 sequences assigned
960 (99.5%) exact matches, in which:
960 unique CDR3
13 unique J



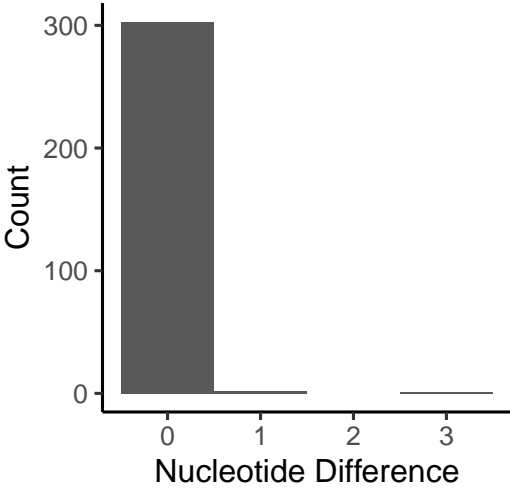
TRBV5-4*ap01

9463 sequences assigned
9449 (99.9%) exact matches, in which:
9449 unique CDR3
13 unique J



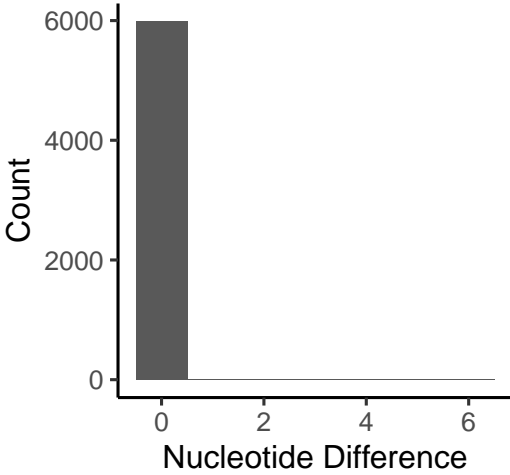
TRBV5-7*ap01

306 sequences assigned
303 (99%) exact matches, in which:
303 unique CDR3
13 unique J



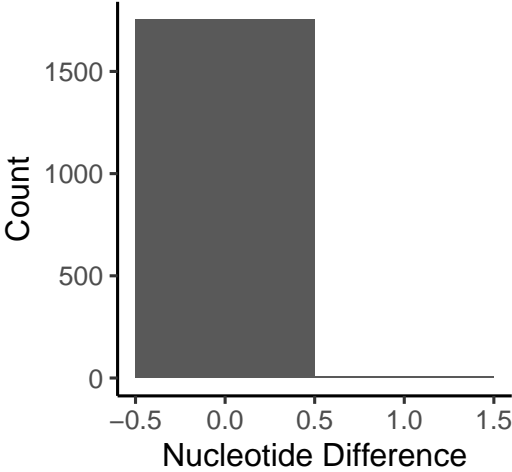
TRBV6-4*ap01

6018 sequences assigned
5986 (99.5%) exact matches, in which:
5986 unique CDR3
13 unique J



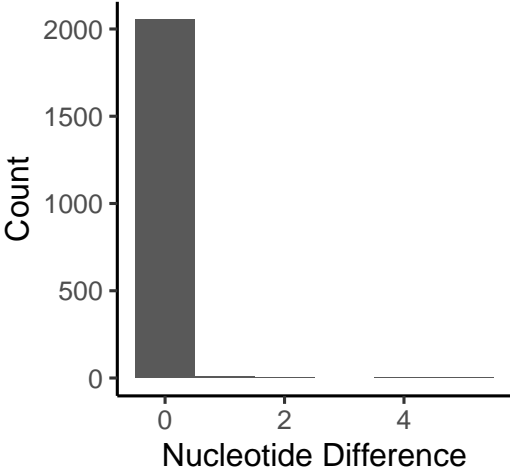
TRBV5-5*ap01

1759 sequences assigned
1753 (99.7%) exact matches, in which:
1752 unique CDR3
13 unique J



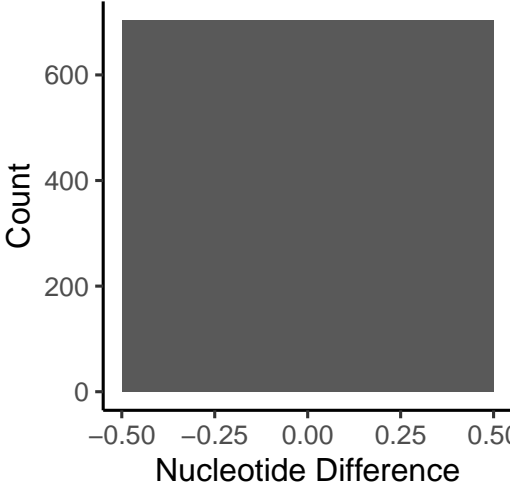
TRBV5-8*ap01

2065 sequences assigned
2053 (99.4%) exact matches, in which:
2053 unique CDR3
13 unique J



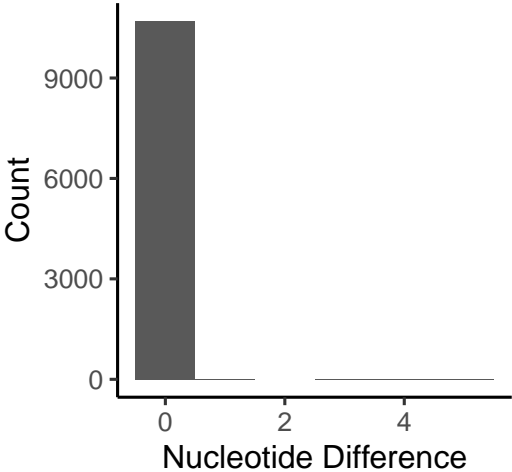
TRBV6-7*ap01

704 sequences assigned
704 (100%) exact matches, in which:
704 unique CDR3
13 unique J



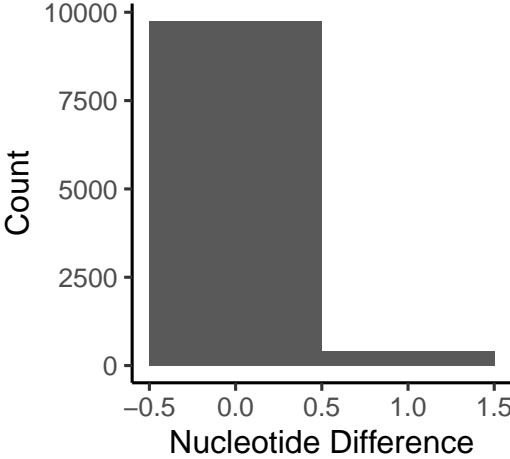
TRBV5-6*ap01

10721 sequences assigned
10701 (99.8%) exact matches, in which:
10684 unique CDR3
13 unique J



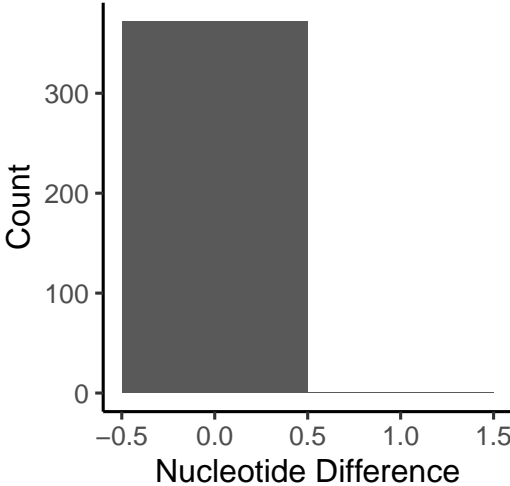
TRBV6-1*ap01

10179 sequences assigned
9759 (95.9%) exact matches, in which:
9751 unique CDR3
14 unique J



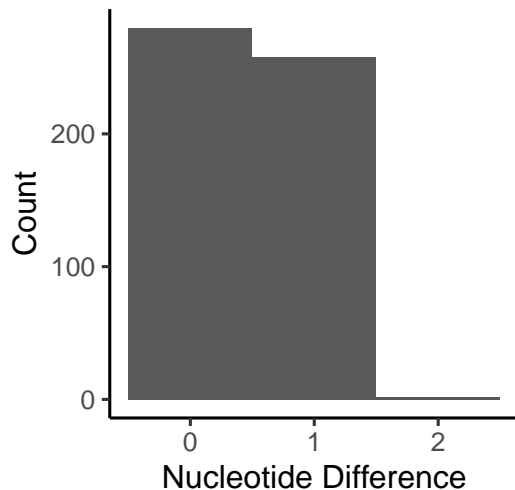
TRBV6-8*ap01

373 sequences assigned
372 (99.7%) exact matches, in which:
372 unique CDR3
13 unique J



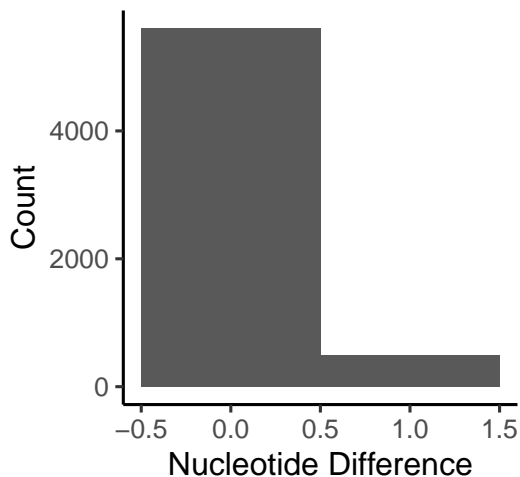
TRBV6–9*ap01

540 sequences assigned
280 (51.9%) exact matches, in which:
280 unique CDR3
13 unique J



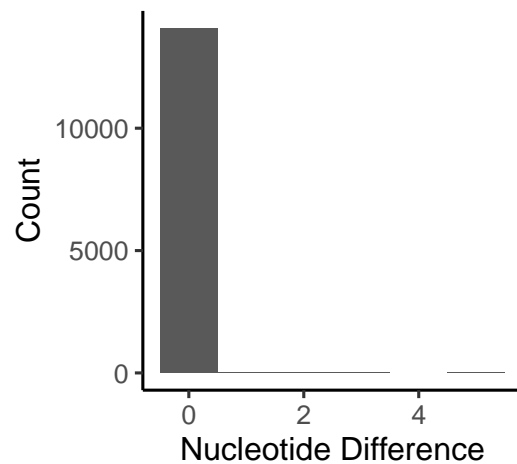
TRBV6–56*ap02

6088 sequences assigned
5603 (92%) exact matches, in which:
5602 unique CDR3
13 unique J



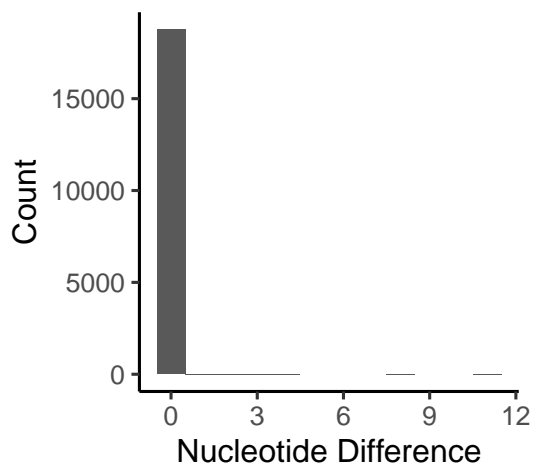
TRBV7–2*ap01

14118 sequences assigned
14089 (99.8%) exact matches, in which:
14087 unique CDR3
13 unique J



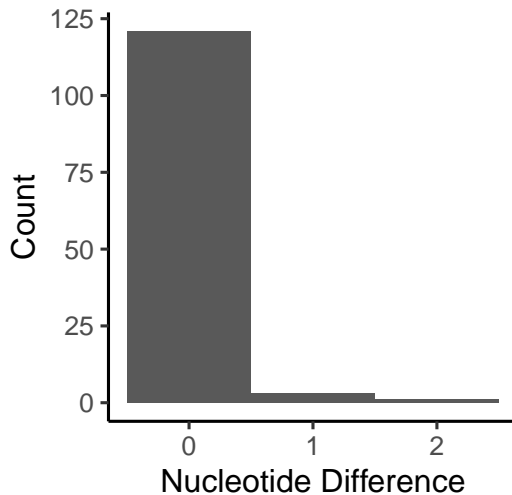
TRBV6–23*ap01

18803 sequences assigned
18765 (99.8%) exact matches, in which:
18757 unique CDR3
14 unique J



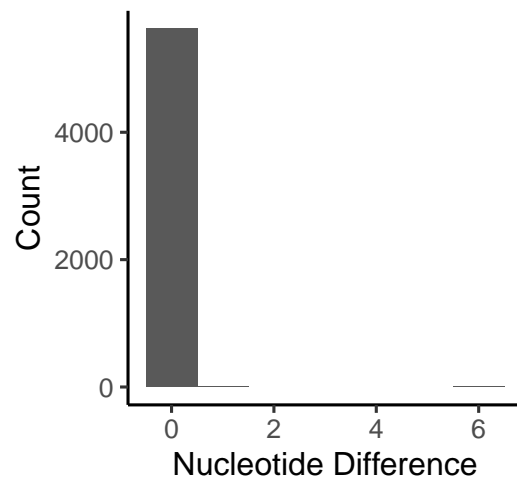
TRBV7–1*ap01_G291C_

125 sequences assigned
121 (96.8%) exact matches, in which:
121 unique CDR3
13 unique J



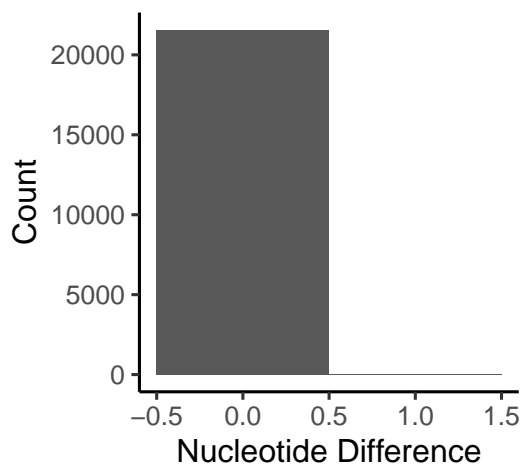
TRBV7–3*ap01

5637 sequences assigned
5626 (99.8%) exact matches, in which:
5625 unique CDR3
13 unique J



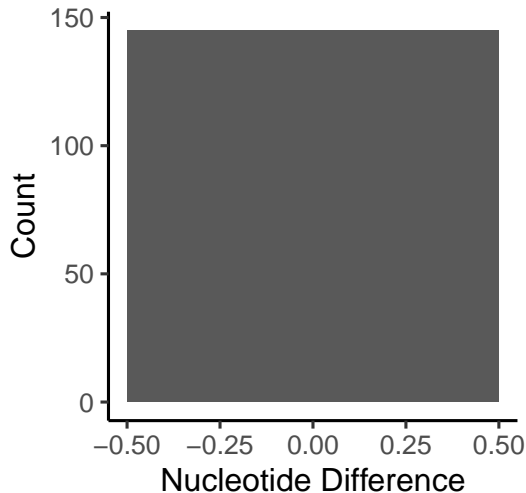
TRBV6–56*ap01

21592 sequences assigned
21569 (99.9%) exact matches, in which:
21563 unique CDR3
13 unique J



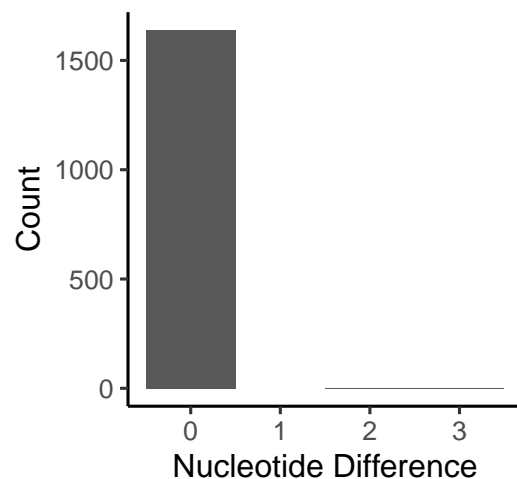
TRBV7–1*ap01_G291C_

145 sequences assigned
145 (100%) exact matches, in which:
145 unique CDR3
12 unique J



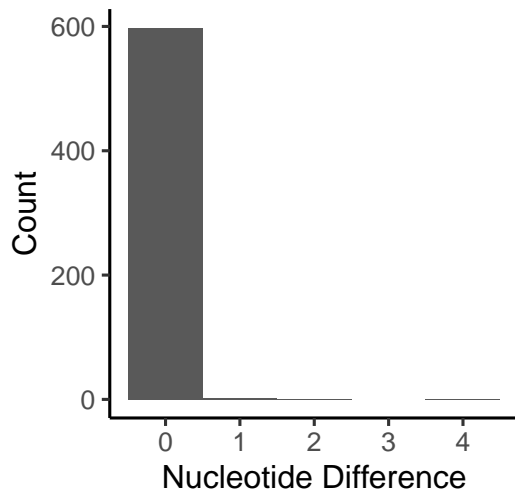
TRBV7–3*ap03

1641 sequences assigned
1639 (99.9%) exact matches, in which:
1637 unique CDR3
12 unique J



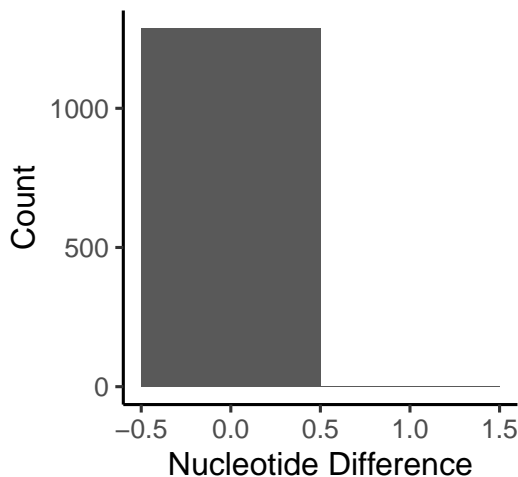
TRBV7-4*ap01

602 sequences assigned
598 (99.3%) exact matches, in which:
598 unique CDR3
13 unique J



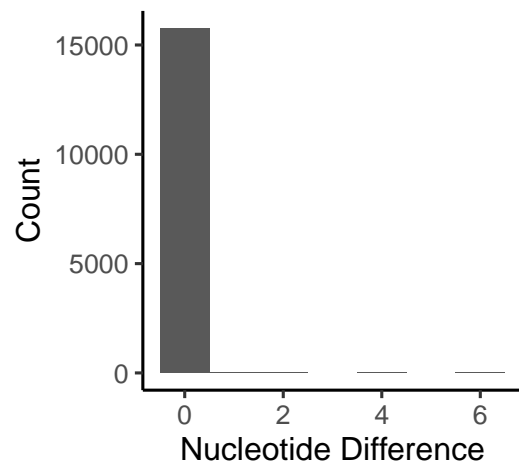
TRBV7-7*ap01_C315T

1290 sequences assigned
1287 (99.8%) exact matches, in which:
1287 unique CDR3
13 unique J



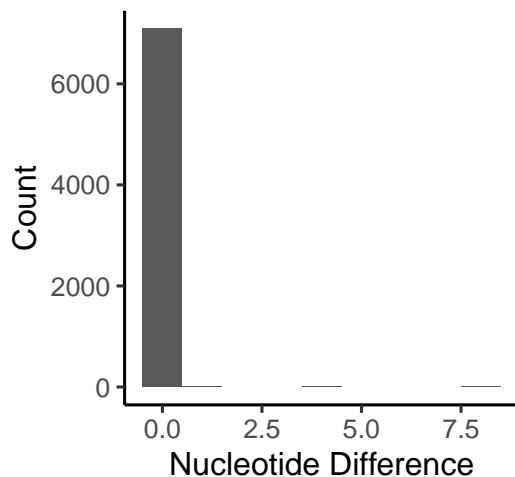
TRBV7-9*ap01

15799 sequences assigned
15770 (99.8%) exact matches, in which:
15769 unique CDR3
13 unique J



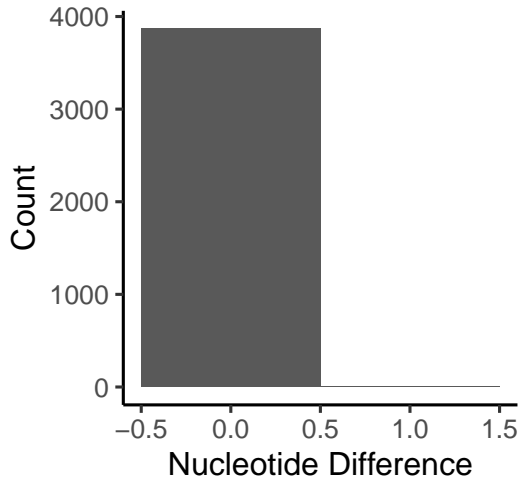
TRBV7-6*ap01

7102 sequences assigned
7091 (99.8%) exact matches, in which:
7091 unique CDR3
13 unique J



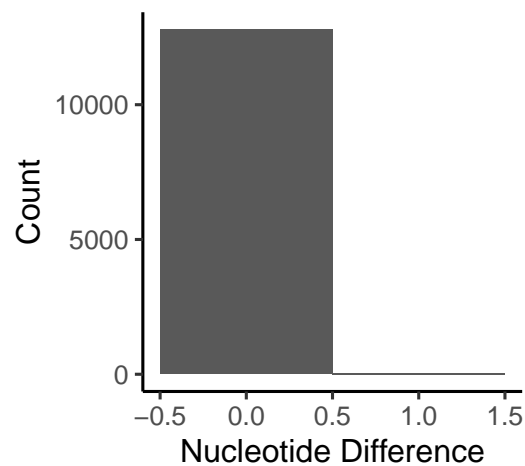
TRBV7-8*ap01

3872 sequences assigned
3868 (99.9%) exact matches, in which:
3868 unique CDR3
13 unique J



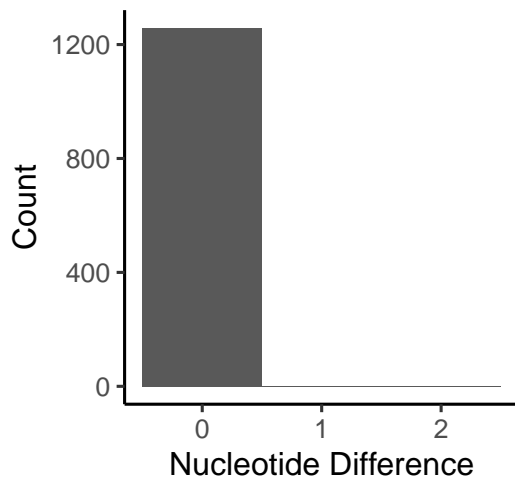
TRBV29-1*ap01

12835 sequences assigned
12791 (99.7%) exact matches, in which:
12754 unique CDR3
13 unique J



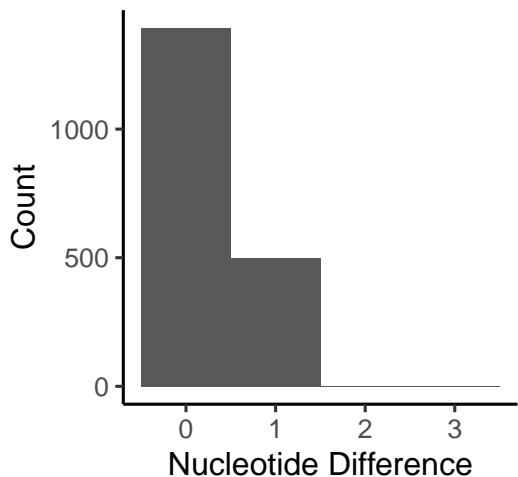
TRBV7-7*ap01

1260 sequences assigned
1258 (99.8%) exact matches, in which:
1258 unique CDR3
12 unique J



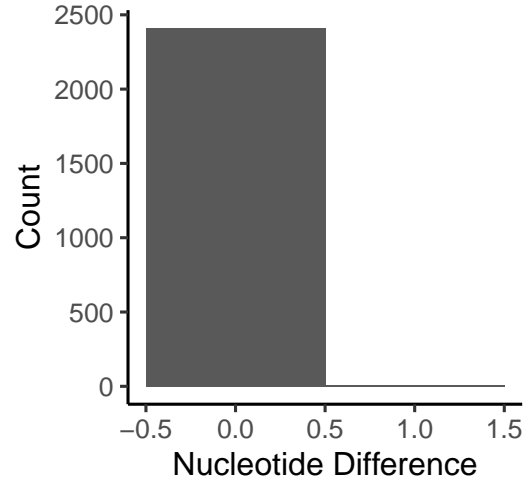
TRBV7-8*ap03

1896 sequences assigned
1393 (73.5%) exact matches, in which:
1393 unique CDR3
13 unique J

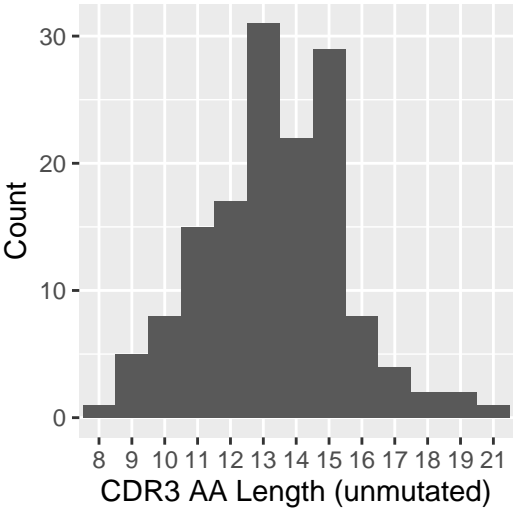


TRBV29-1*ap02

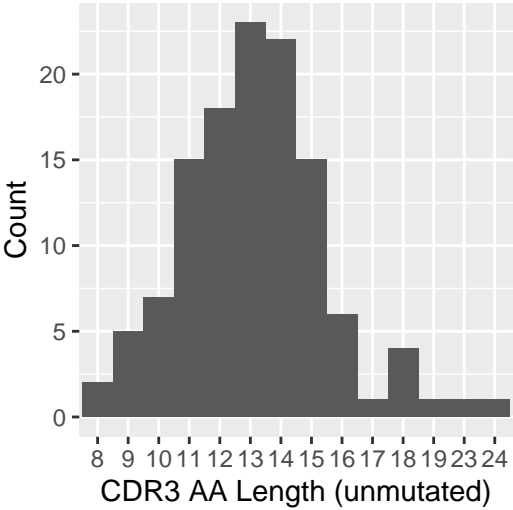
2418 sequences assigned
2411 (99.7%) exact matches, in which:
2407 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

