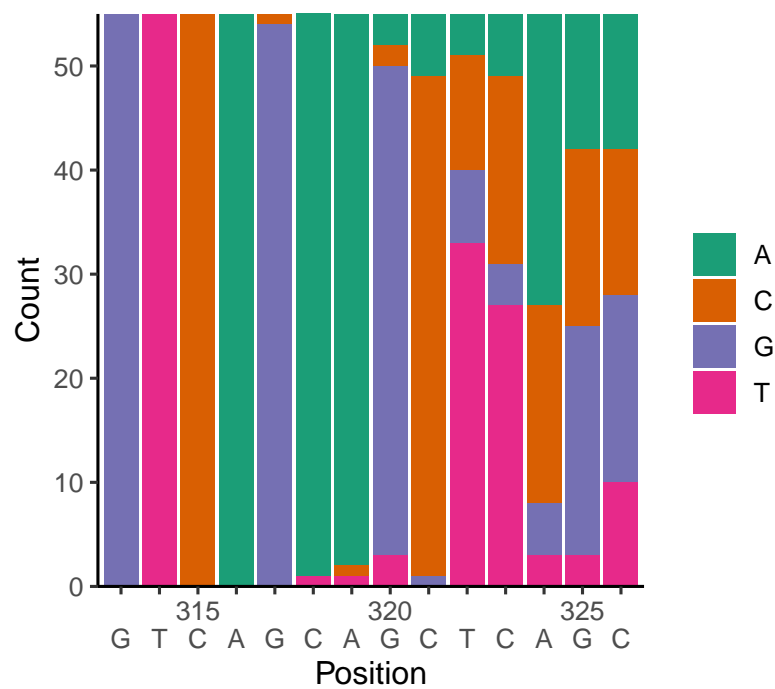
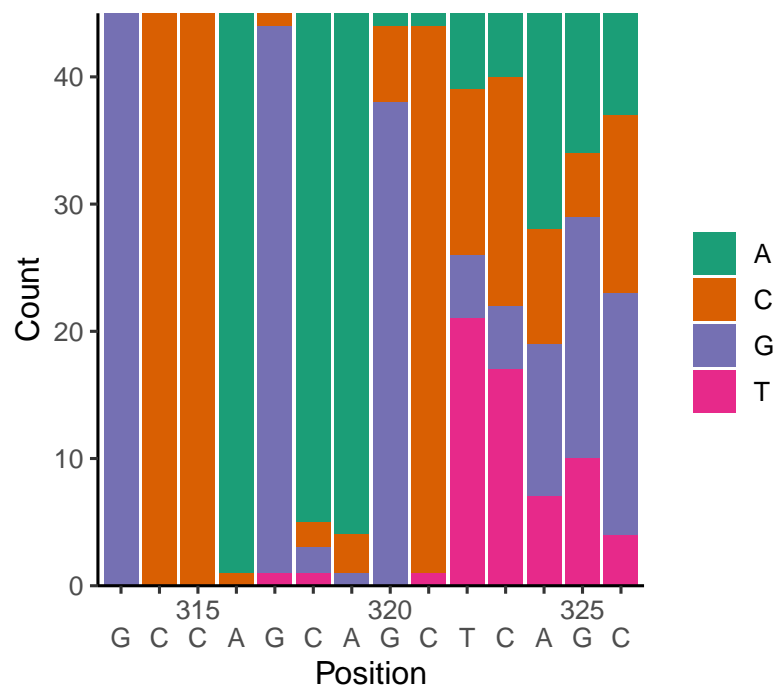


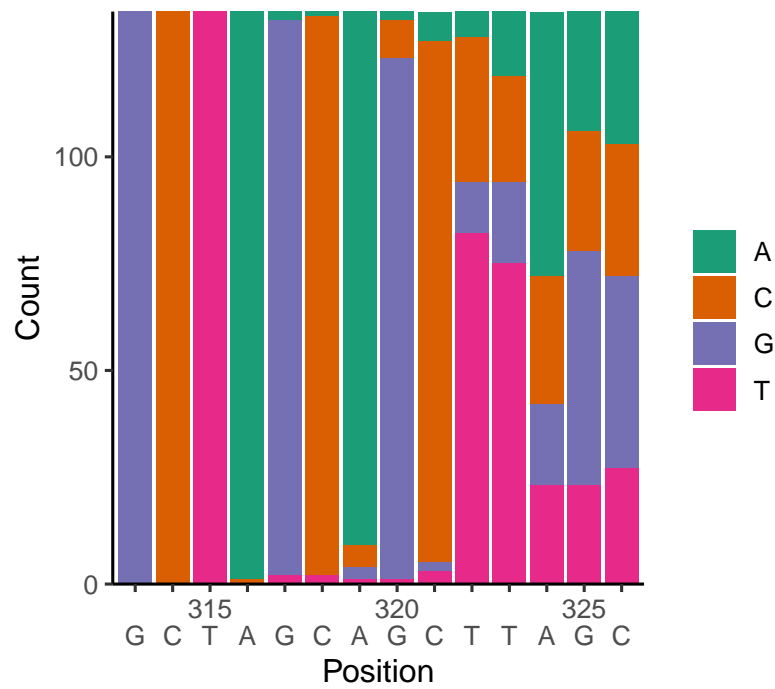
Gene TRBV7-1*ap01_G291C_T296C_C314T



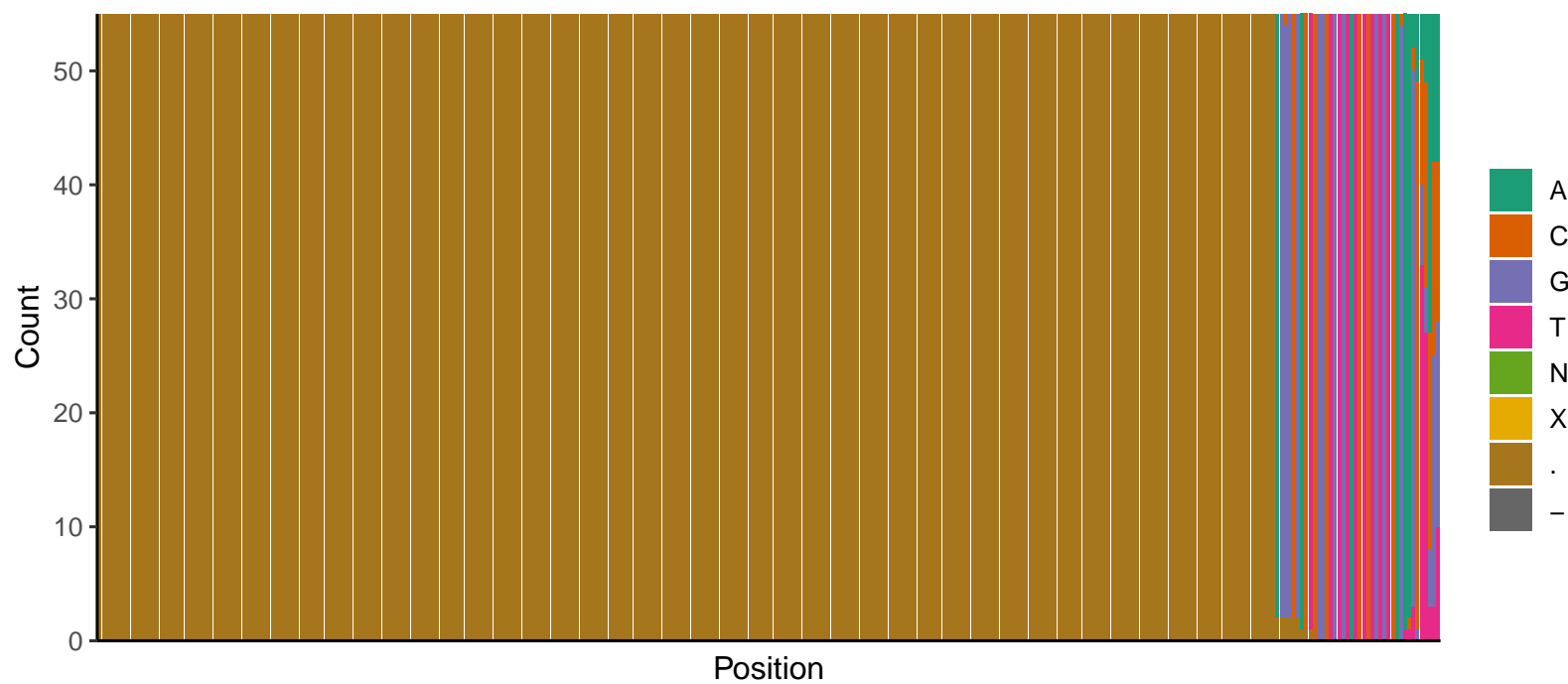
Gene TRBV7-1*ap01_G291C_T296C



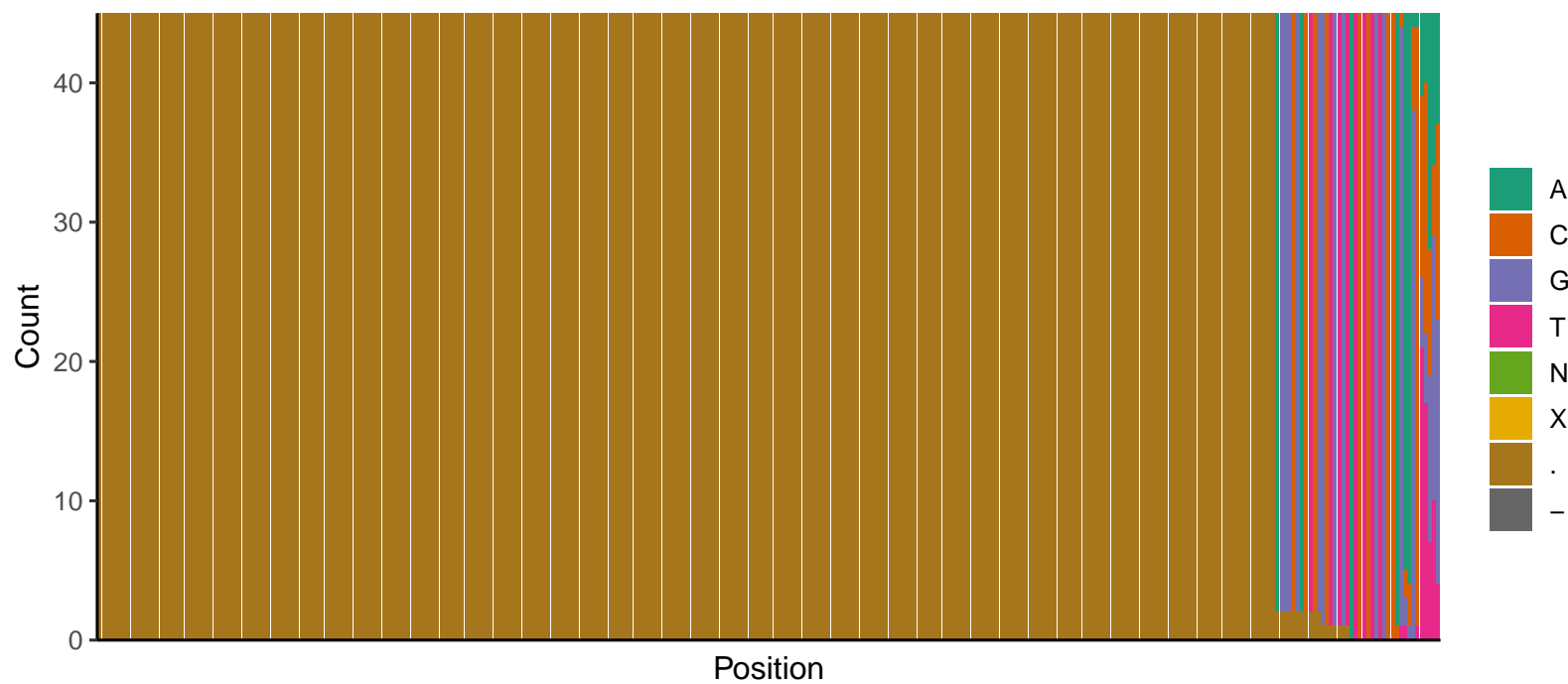
Gene TRBV7-7*ap01_C315T



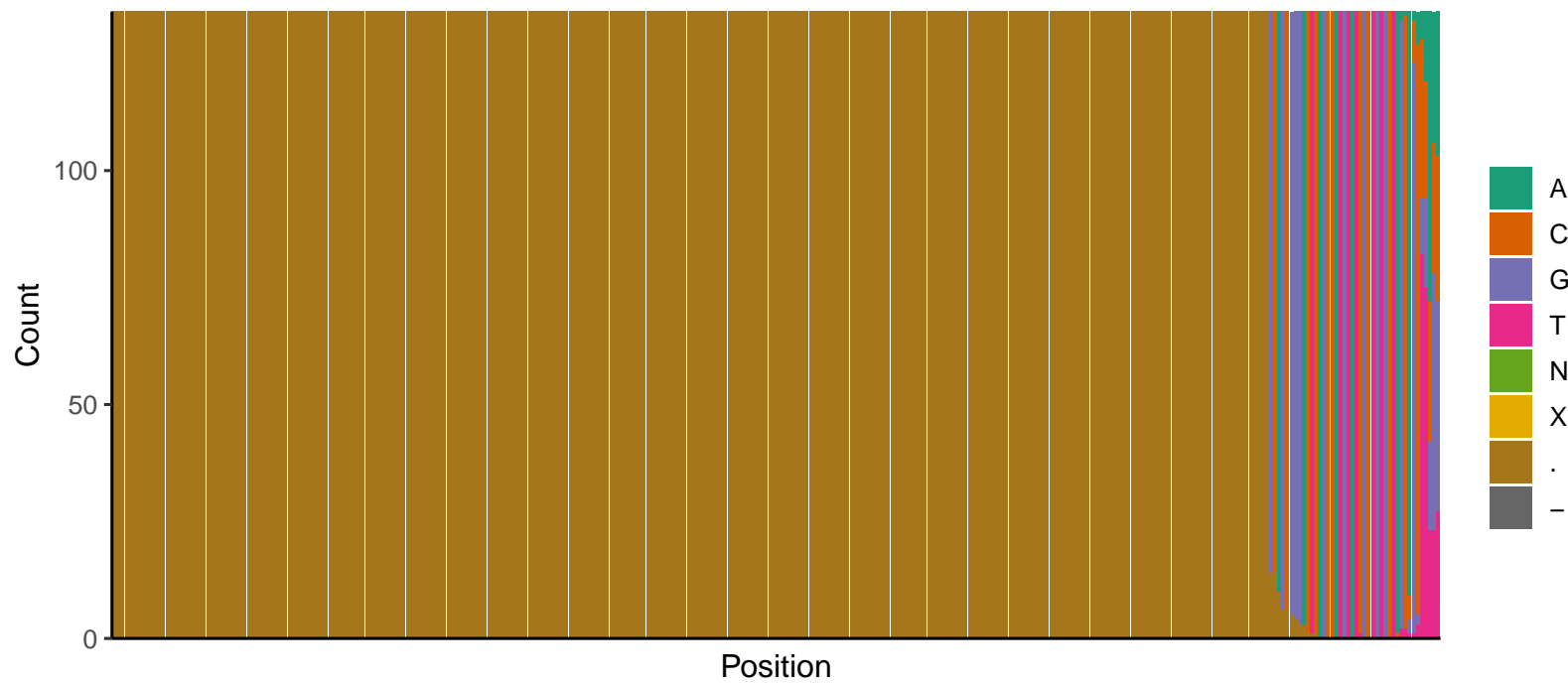
Gene TRBV7-1*ap01_G291C_T296C_C314T



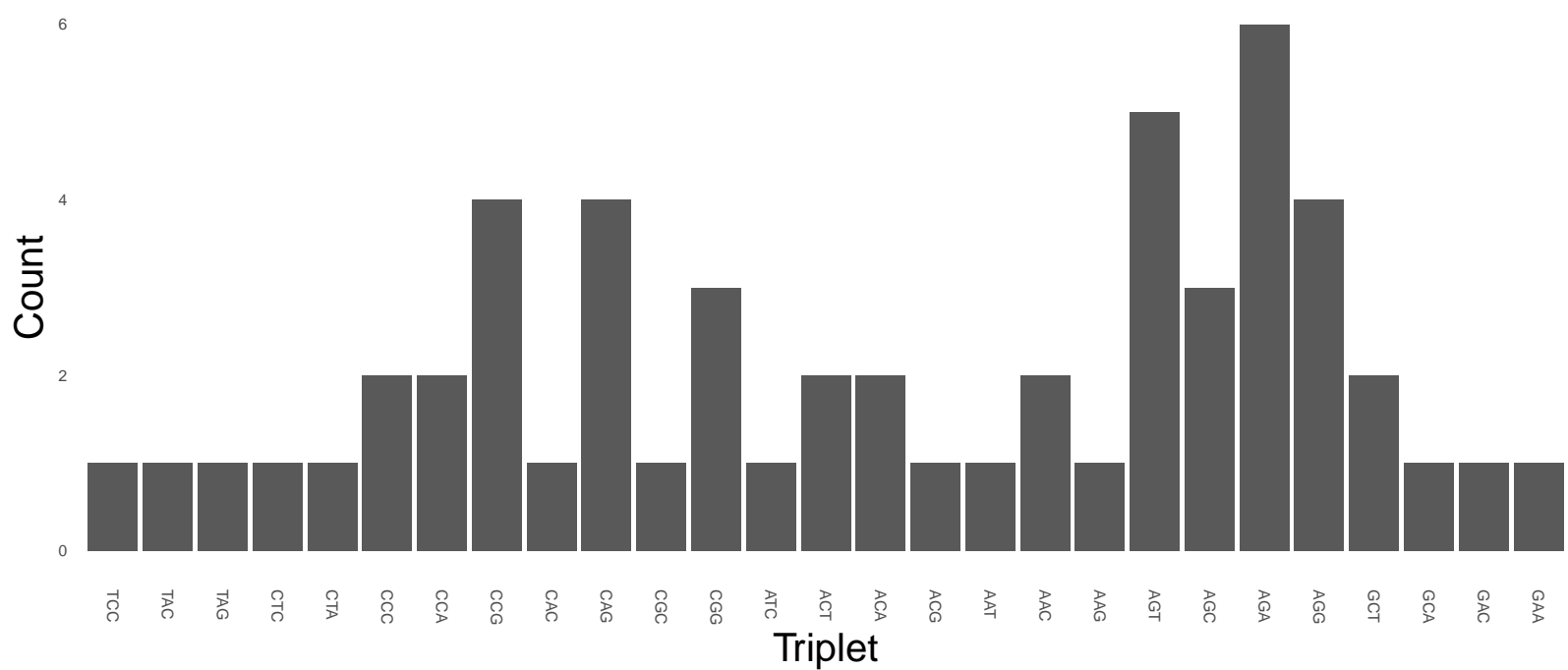
Gene TRBV7-1*ap01_G291C_T296C



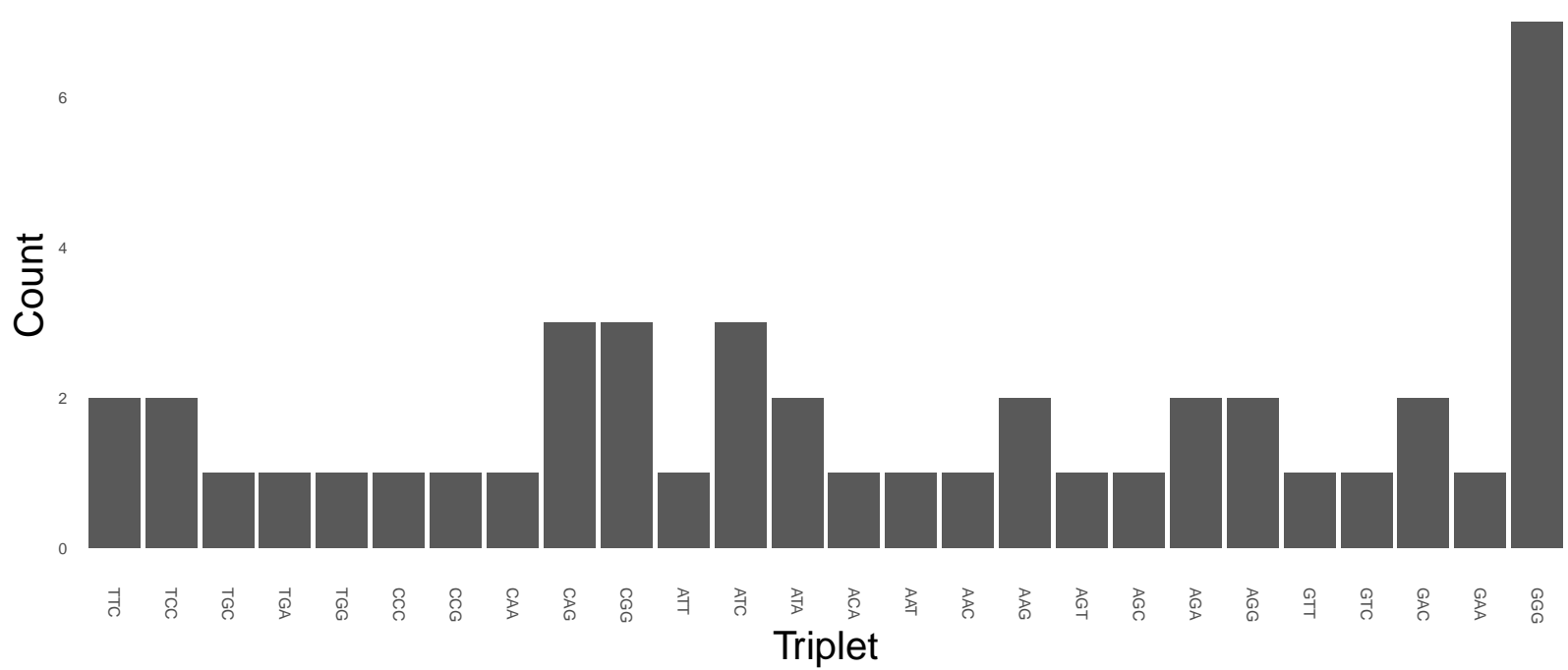
Gene TRBV7-7*ap01_C315T



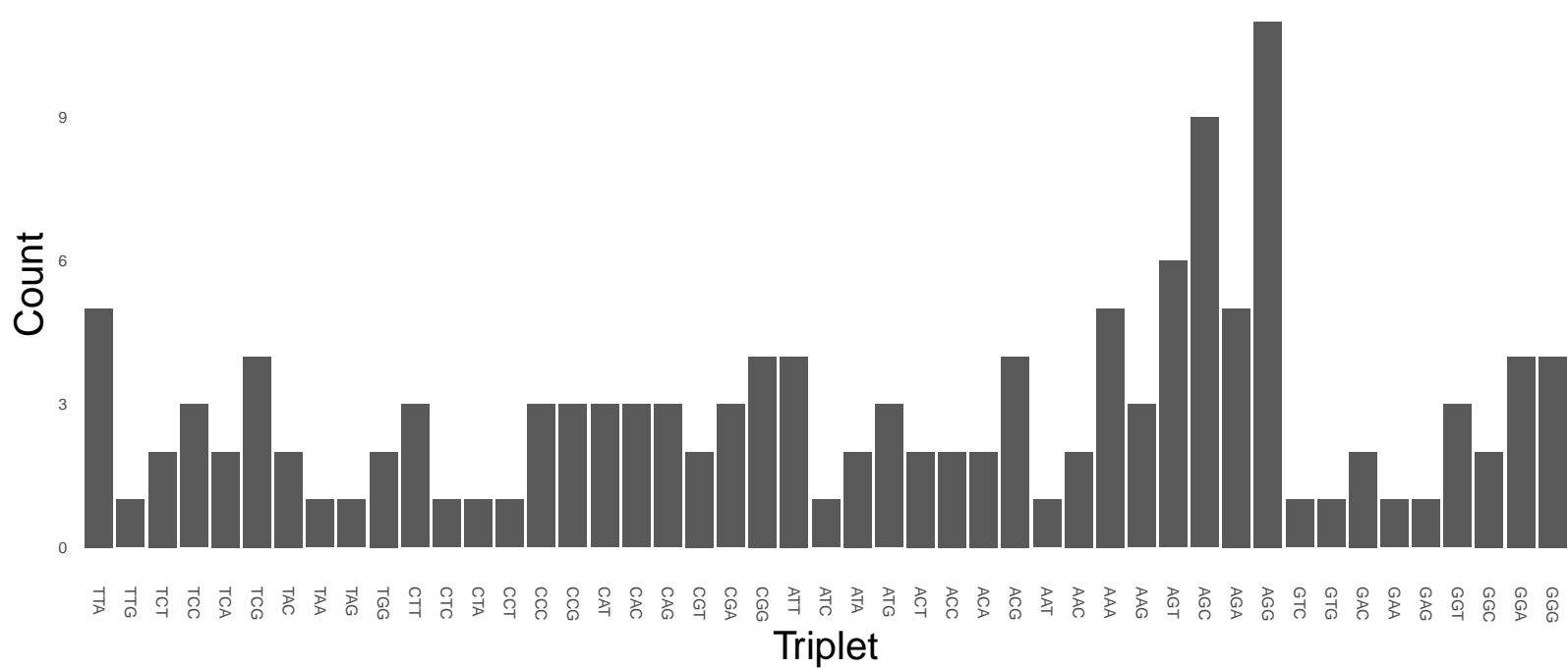
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

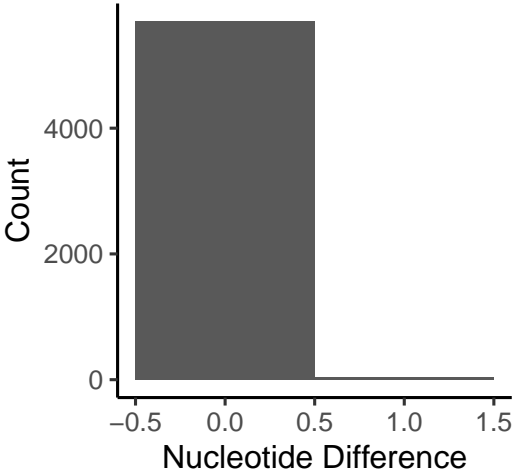


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



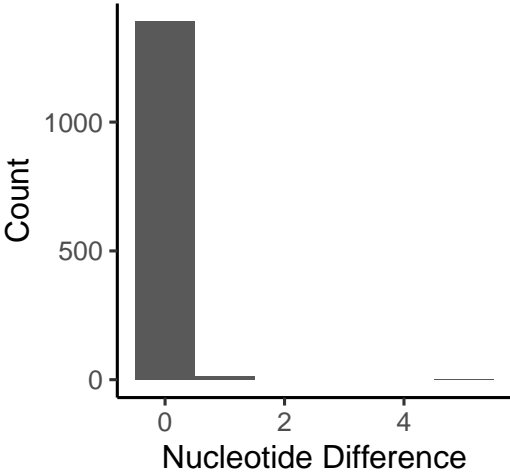
TRBV20-1*ap01

5738 sequences assigned
5698 (99.3%) exact matches, in which:
5652 unique CDR3
13 unique J



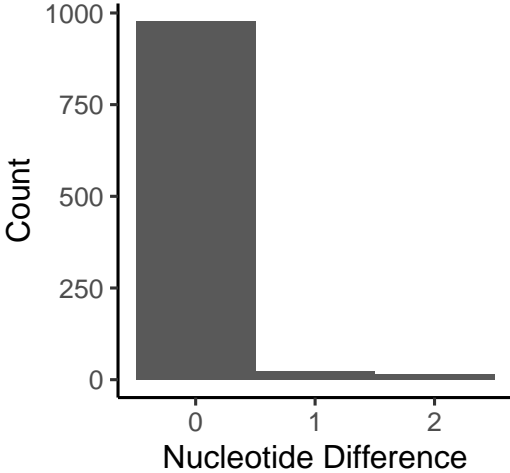
TRBV10-2*ap01

1405 sequences assigned
1391 (99%) exact matches, in which:
1381 unique CDR3
13 unique J



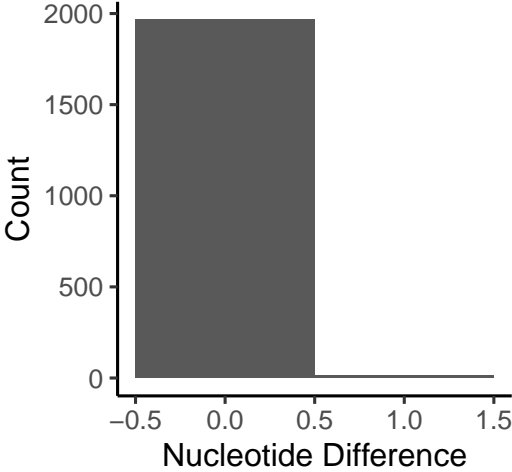
TRBV13*ap01

1015 sequences assigned
977 (96.3%) exact matches, in which:
956 unique CDR3
13 unique J



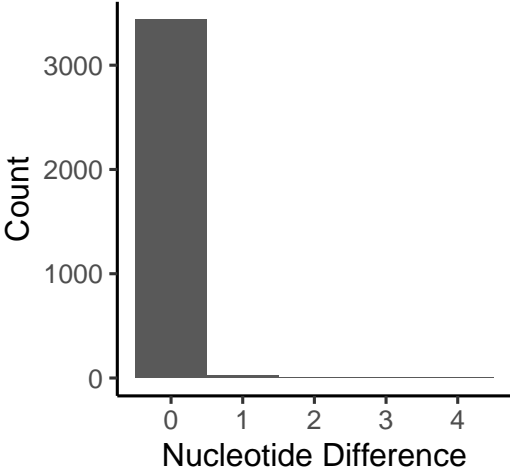
TRBV10-1*ap01

1978 sequences assigned
1966 (99.4%) exact matches, in which:
1938 unique CDR3
13 unique J



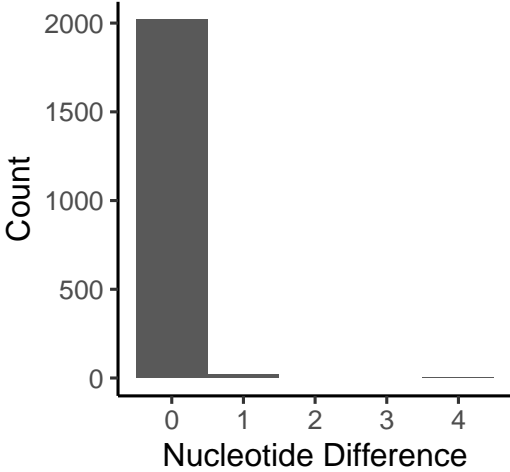
TRBV10-3*ap01

3467 sequences assigned
3436 (99.1%) exact matches, in which:
3394 unique CDR3
13 unique J



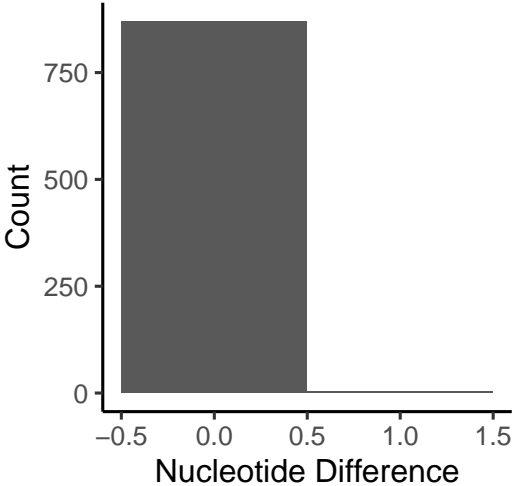
TRBV14*ap01

2038 sequences assigned
2019 (99.1%) exact matches, in which:
1998 unique CDR3
13 unique J



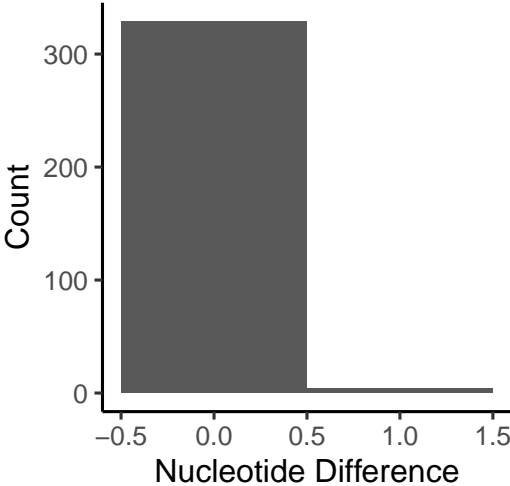
TRBV20-1*ap02

874 sequences assigned
870 (99.5%) exact matches, in which:
862 unique CDR3
13 unique J



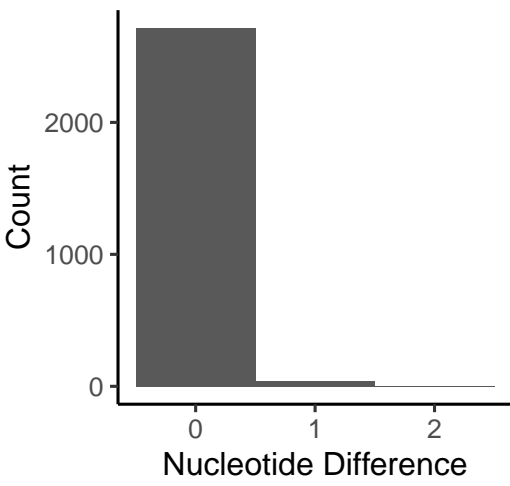
TRBV1*ap01

333 sequences assigned
329 (98.8%) exact matches, in which:
325 unique CDR3
13 unique J



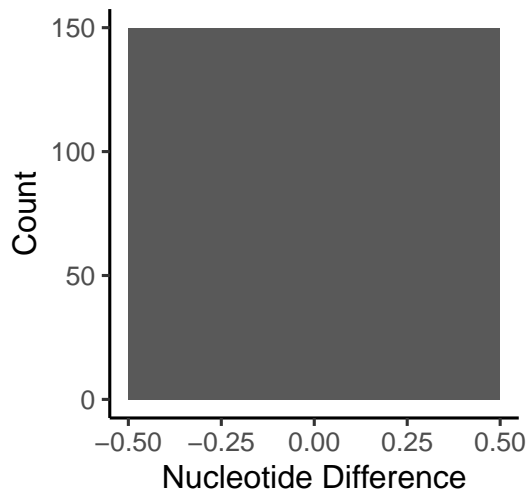
TRBV15*ap02

2755 sequences assigned
2715 (98.5%) exact matches, in which:
2682 unique CDR3
13 unique J



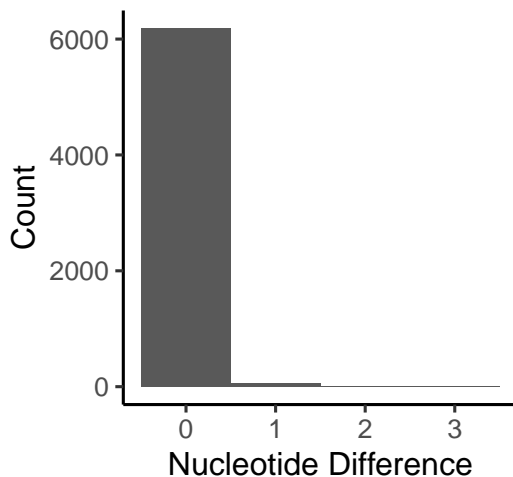
TRBV16*ap01

150 sequences assigned
150 (100%) exact matches, in which:
150 unique CDR3
13 unique J



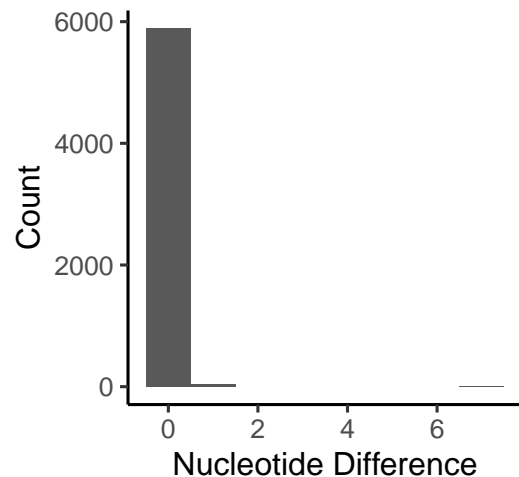
TRBV2*ap01

6243 sequences assigned
6184 (99.1%) exact matches, in which:
6104 unique CDR3
13 unique J



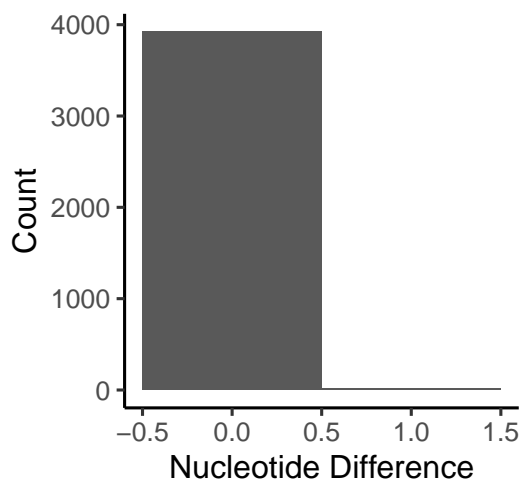
TRBV28*ap01

5940 sequences assigned
5889 (99.1%) exact matches, in which:
5838 unique CDR3
13 unique J



TRBV18*ap01

3940 sequences assigned
3923 (99.6%) exact matches, in which:
3910 unique CDR3
13 unique J



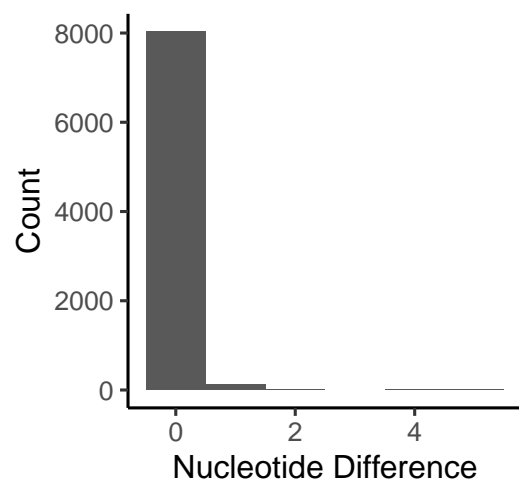
TRBV26*ap01

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



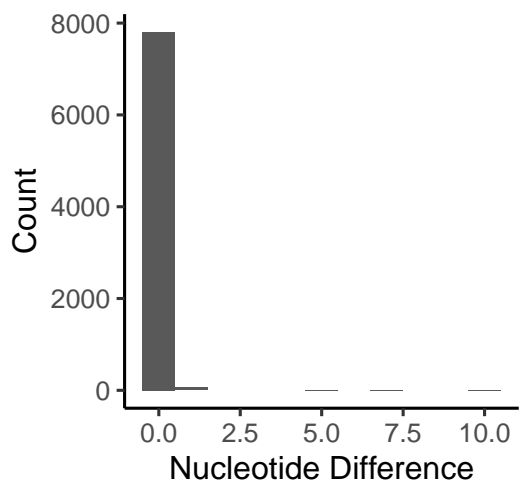
TRBV30*ap01

8161 sequences assigned
8029 (98.4%) exact matches, in which:
7882 unique CDR3
13 unique J



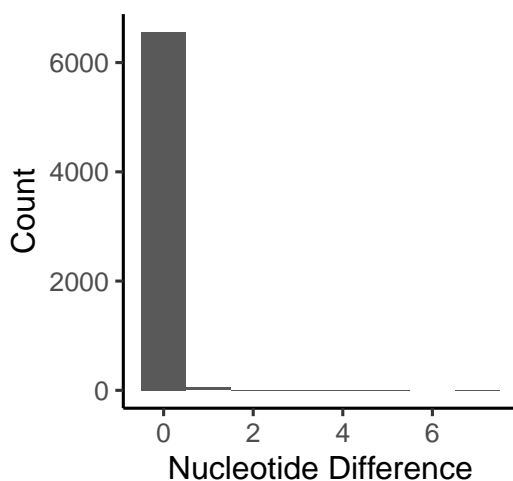
TRBV19*ap01

7871 sequences assigned
7805 (99.2%) exact matches, in which:
7751 unique CDR3
13 unique J



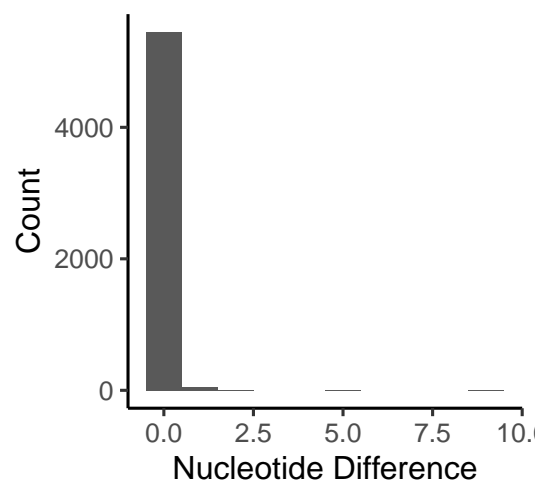
TRBV27*ap01

6622 sequences assigned
6559 (99%) exact matches, in which:
6481 unique CDR3
13 unique J



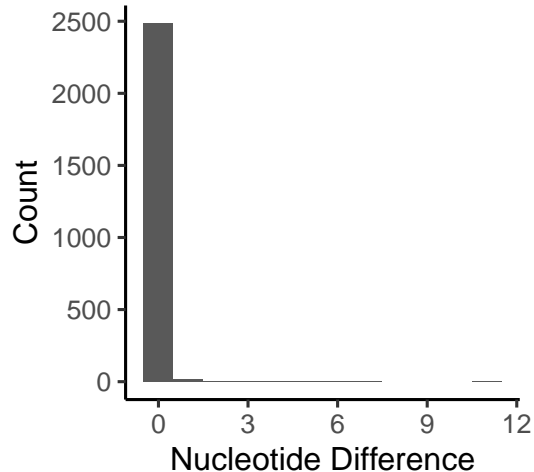
TRBV9*ap01

5510 sequences assigned
5449 (98.9%) exact matches, in which:
5422 unique CDR3
13 unique J



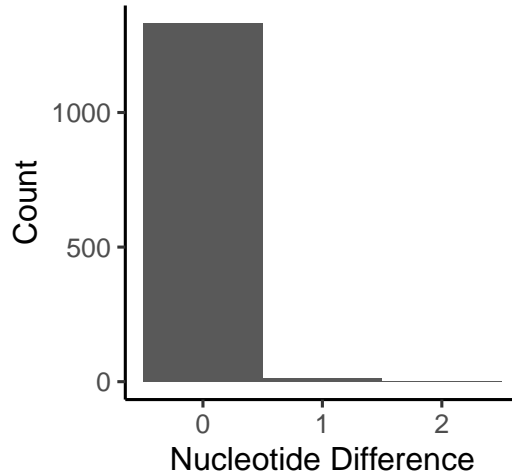
TRBV21-1*ap01

2519 sequences assigned
2485 (98.7%) exact matches, in which:
2473 unique CDR3
13 unique J



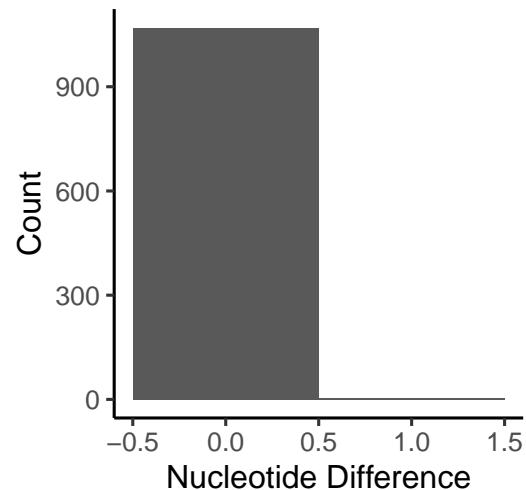
TRBV11-3*ap01

1344 sequences assigned
1331 (99%) exact matches, in which:
1329 unique CDR3
13 unique J



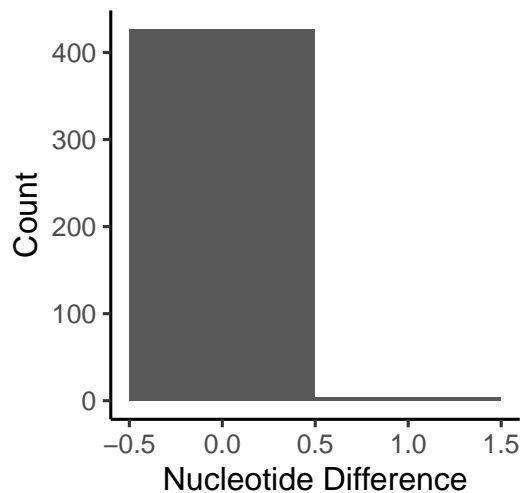
TRBV12-5*ap01

1074 sequences assigned
1070 (99.6%) exact matches, in which:
1058 unique CDR3
13 unique J



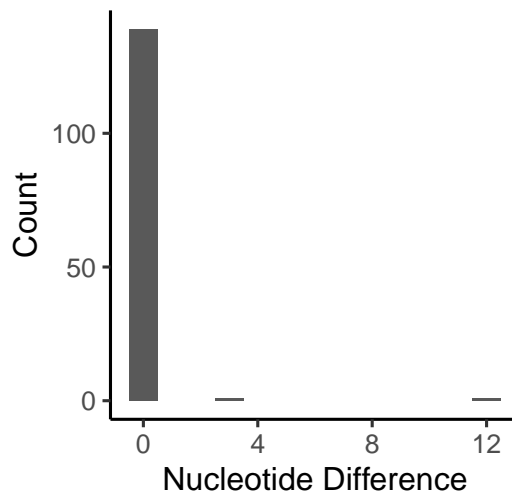
TRBV11-1*ap01

431 sequences assigned
427 (99.1%) exact matches, in which:
425 unique CDR3
13 unique J



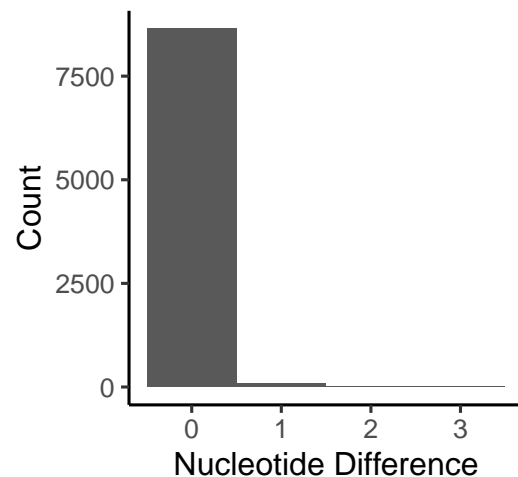
TRBV12-1*ap01

141 sequences assigned
139 (98.6%) exact matches, in which:
139 unique CDR3
12 unique J



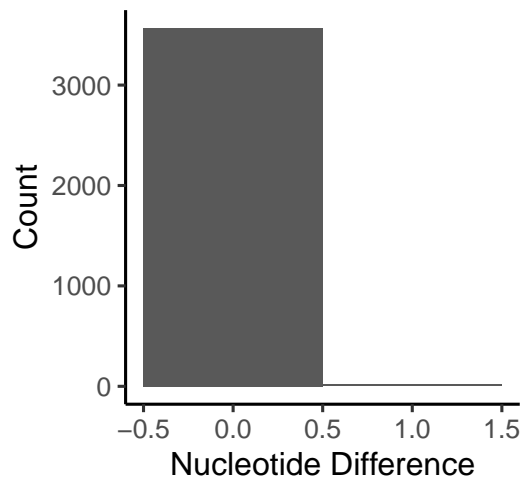
TRBV12-34*ap01

8733 sequences assigned
8644 (99%) exact matches, in which:
8536 unique CDR3
13 unique J



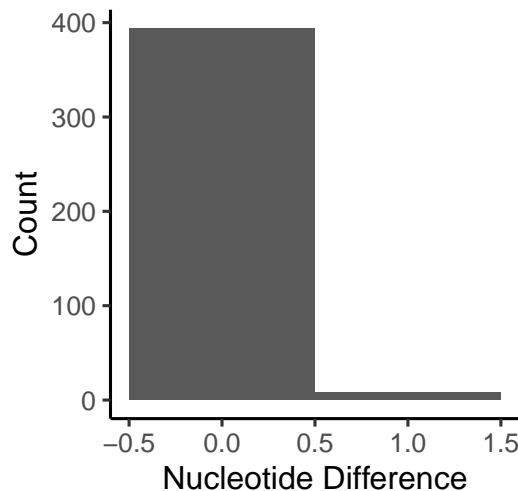
TRBV11-2*ap01

3587 sequences assigned
3568 (99.5%) exact matches, in which:
3545 unique CDR3
13 unique J



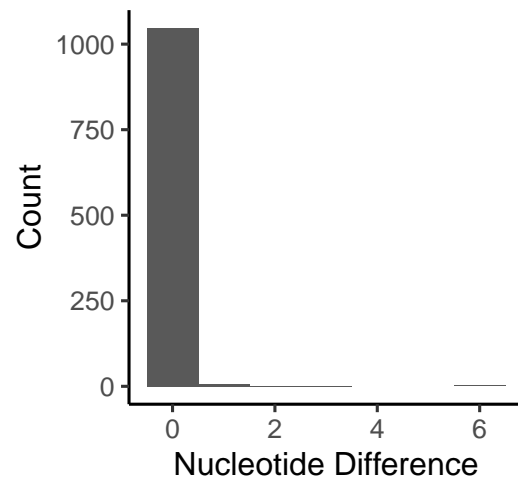
TRBV12-2*ap01

402 sequences assigned
394 (98%) exact matches, in which:
391 unique CDR3
13 unique J



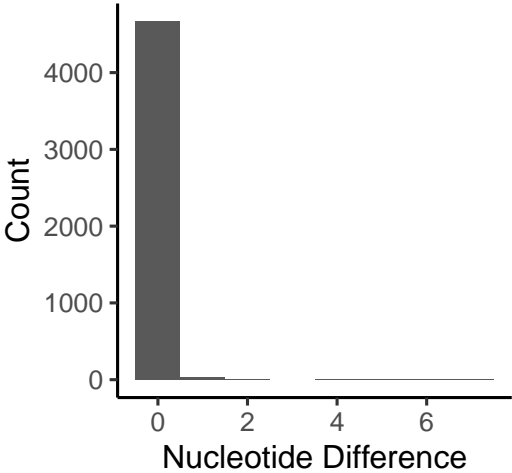
TRBV23-1*ap01

1057 sequences assigned
1047 (99.1%) exact matches, in which:
1033 unique CDR3
13 unique J



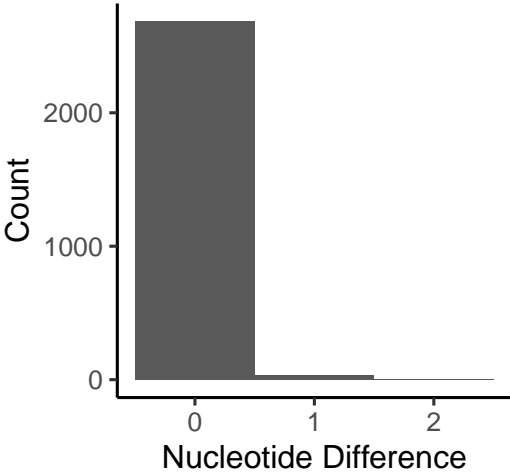
TRBV3-12*ap01

4704 sequences assigned
4667 (99.2%) exact matches, in which:
4641 unique CDR3
13 unique J



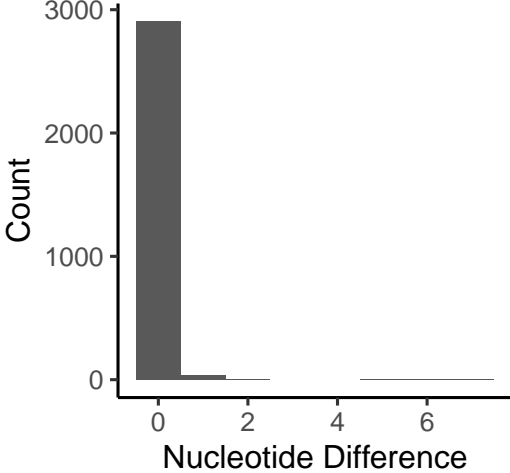
TRBV4-2*ap01

2722 sequences assigned
2685 (98.6%) exact matches, in which:
2651 unique CDR3
13 unique J



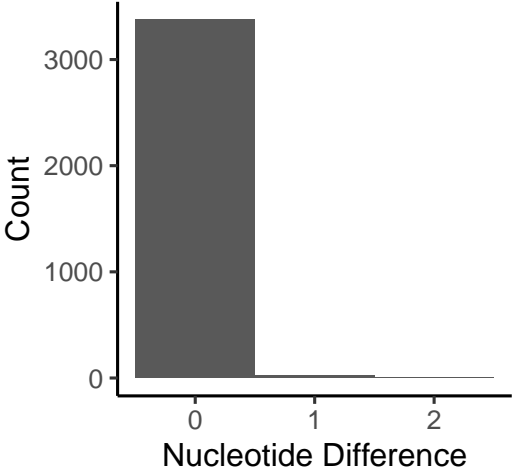
TRBV25-1*ap01

2944 sequences assigned
2905 (98.7%) exact matches, in which:
2829 unique CDR3
13 unique J



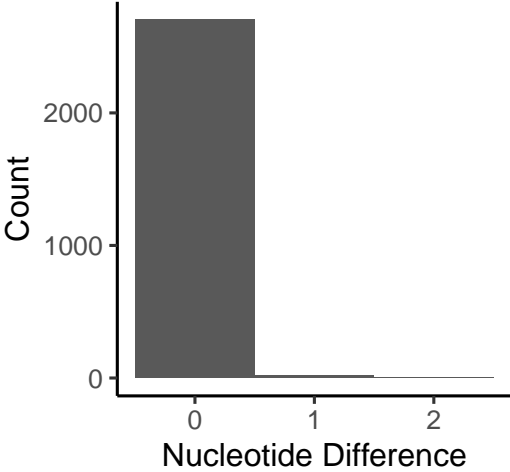
TRBV4-1*ap01

3403 sequences assigned
3375 (99.2%) exact matches, in which:
3324 unique CDR3
13 unique J



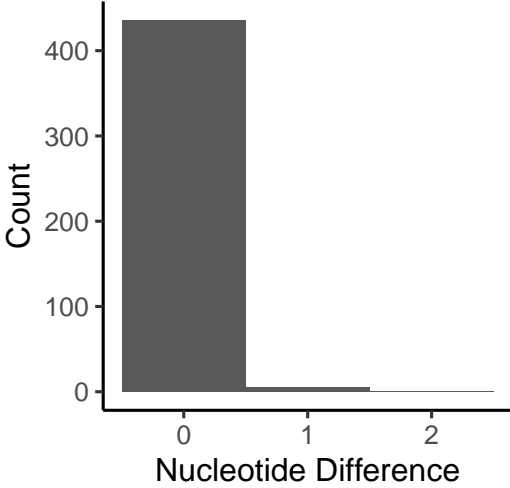
TRBV4-3*ap01

2723 sequences assigned
2703 (99.3%) exact matches, in which:
2674 unique CDR3
13 unique J



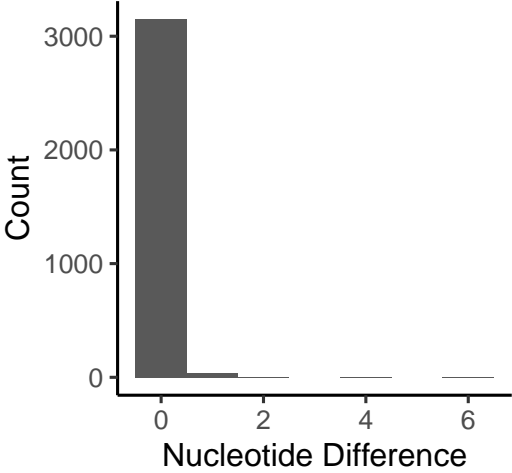
TRBV5-3*ap01

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



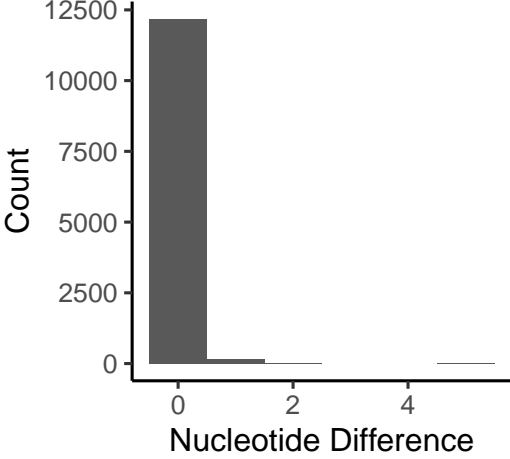
TRBV24-1*ap01

3193 sequences assigned
3151 (98.7%) exact matches, in which:
3127 unique CDR3
13 unique J



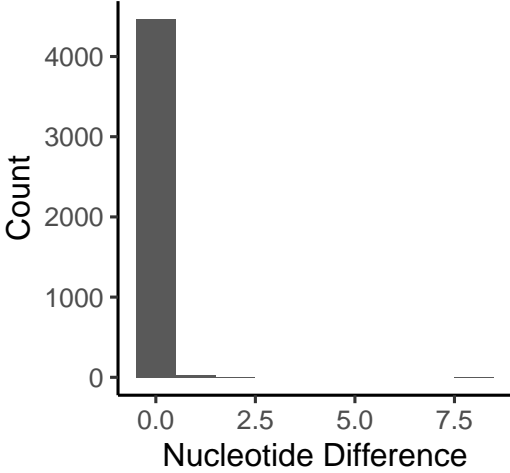
TRBV5-1*ap01

12339 sequences assigned
12185 (98.8%) exact matches, in which:
11995 unique CDR3
13 unique J



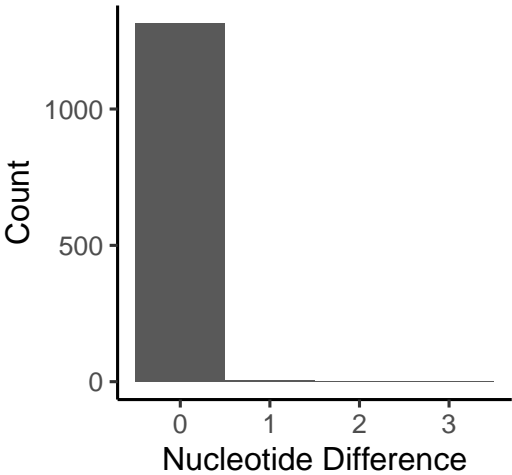
TRBV5-4*ap01

4500 sequences assigned
4467 (99.3%) exact matches, in which:
4409 unique CDR3
13 unique J



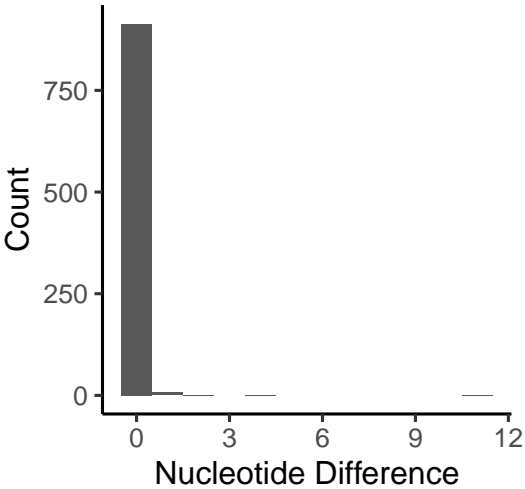
TRBV5-5*ap01

1321 sequences assigned
1314 (99.5%) exact matches, in which:
1307 unique CDR3
13 unique J



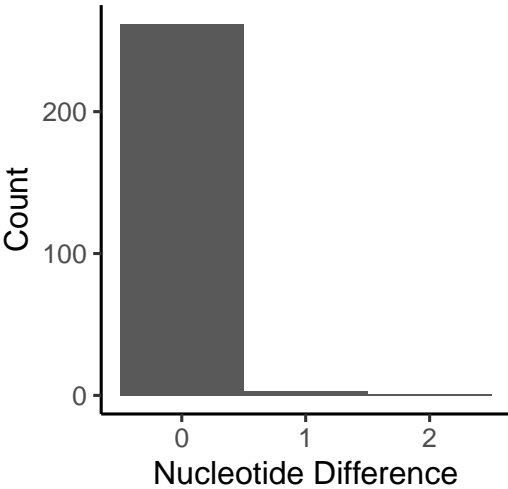
TRBV5-8*ap01

924 sequences assigned
914 (98.9%) exact matches, in which:
903 unique CDR3
13 unique J



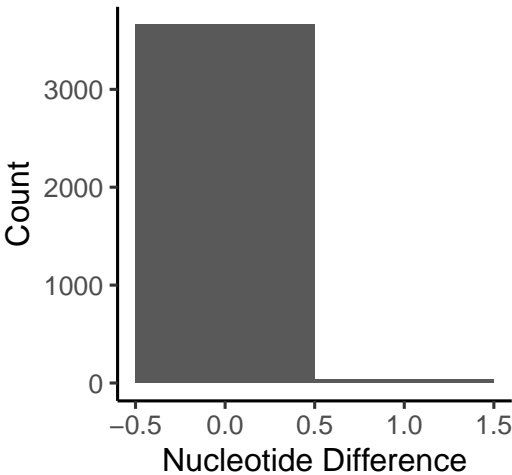
TRBV6-7*ap01

266 sequences assigned
262 (98.5%) exact matches, in which:
254 unique CDR3
13 unique J



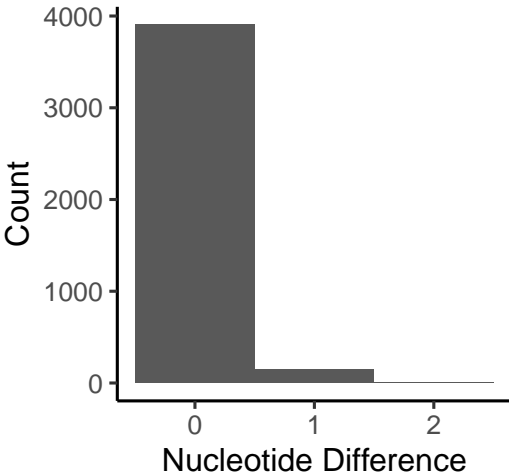
TRBV5-6*ap01

3699 sequences assigned
3660 (98.9%) exact matches, in which:
3593 unique CDR3
13 unique J



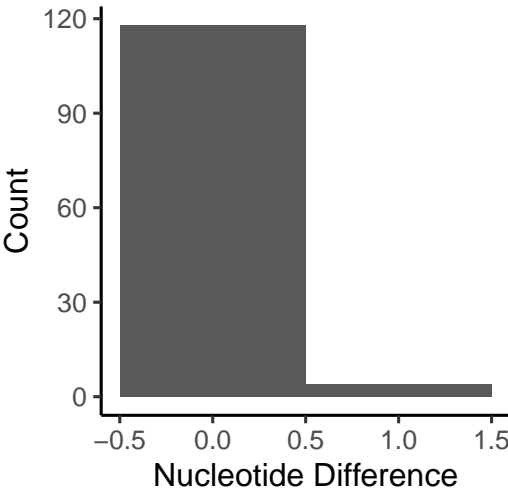
TRBV6-1*ap01

4053 sequences assigned
3905 (96.3%) exact matches, in which:
3836 unique CDR3
13 unique J



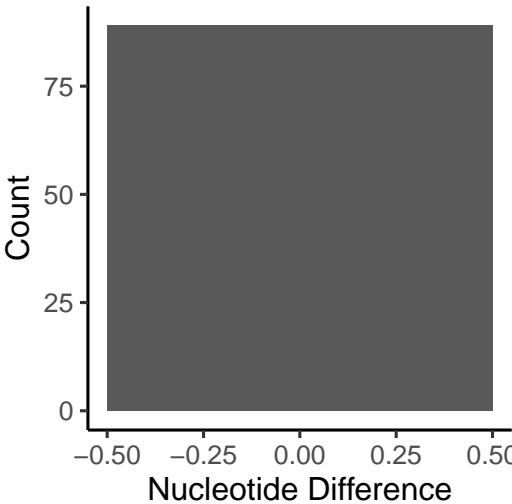
TRBV6-8*ap01

122 sequences assigned
118 (96.7%) exact matches, in which:
116 unique CDR3
10 unique J



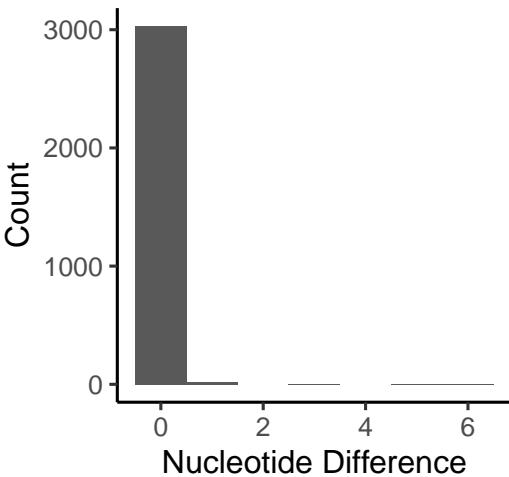
TRBV5-7*ap01

89 sequences assigned
89 (100%) exact matches, in which:
87 unique CDR3
13 unique J



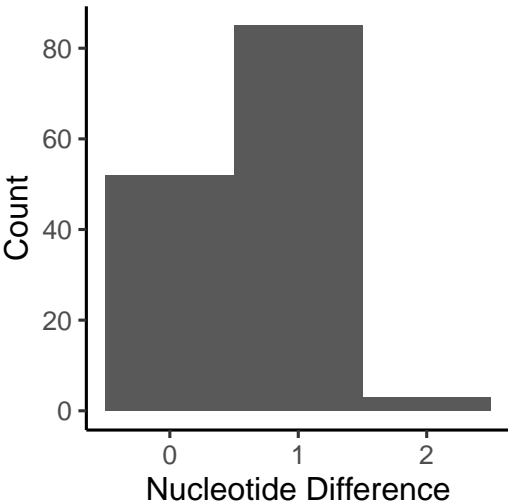
TRBV6-4*ap01

3056 sequences assigned
3031 (99.2%) exact matches, in which:
3018 unique CDR3
13 unique J



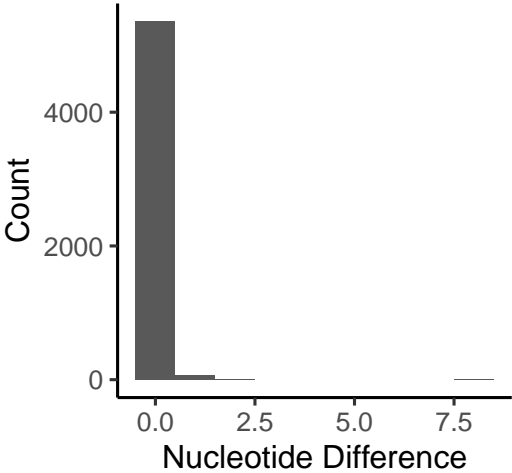
TRBV6-9*ap01

140 sequences assigned
52 (37.1%) exact matches, in which:
50 unique CDR3
11 unique J



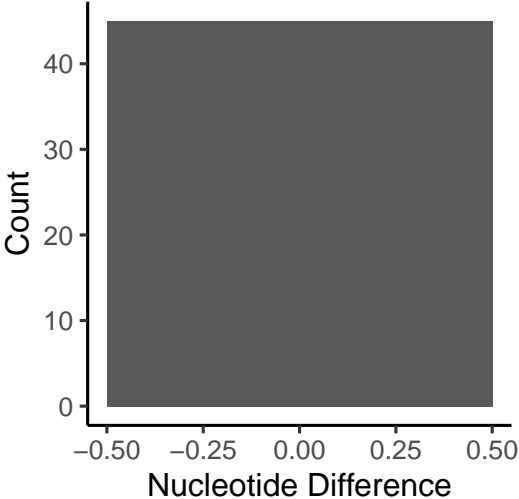
TRBV6-23*ap01

5425 sequences assigned
5358 (98.8%) exact matches, in which:
5238 unique CDR3
13 unique J



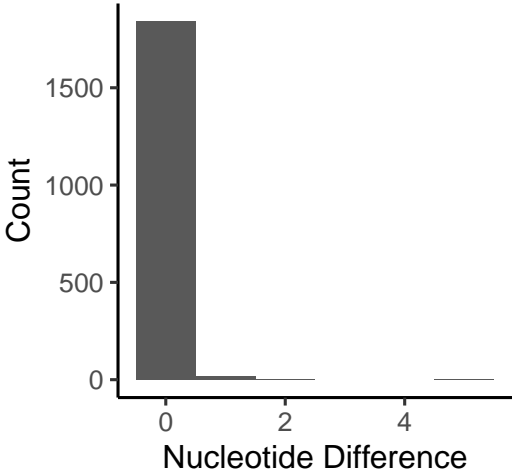
TRBV7-1*ap01_G291C_T

45 sequences assigned
45 (100%) exact matches, in which:
45 unique CDR3
11 unique J



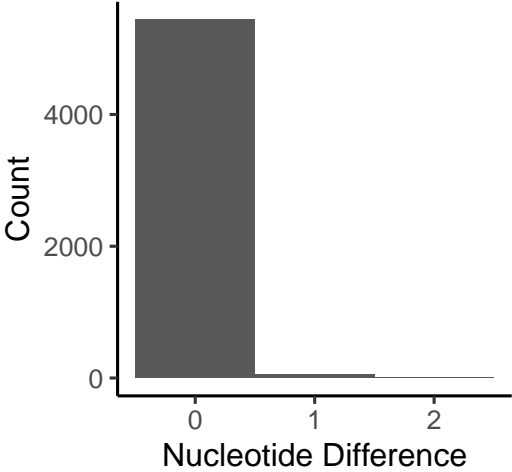
TRBV7-3*ap01

1860 sequences assigned
1841 (99%) exact matches, in which:
1829 unique CDR3
13 unique J



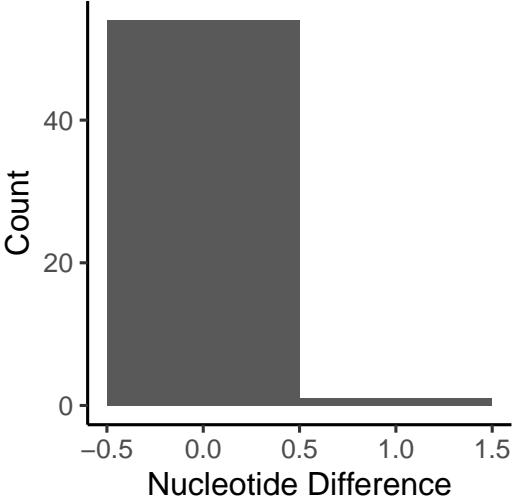
TRBV6-56*ap01

5498 sequences assigned
5438 (98.9%) exact matches, in which:
5337 unique CDR3
13 unique J



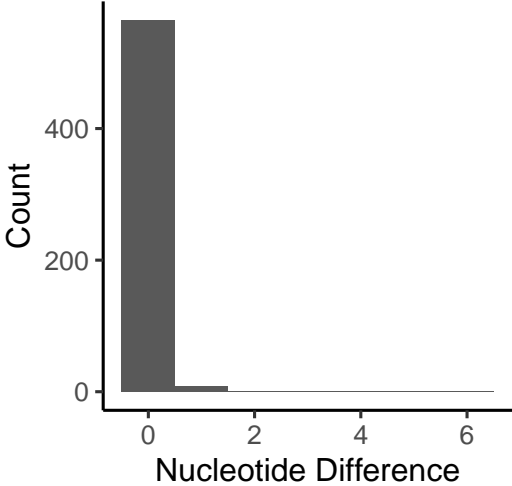
TRBV7-1*ap01_G291C_T

55 sequences assigned
54 (98.2%) exact matches, in which:
52 unique CDR3
12 unique J



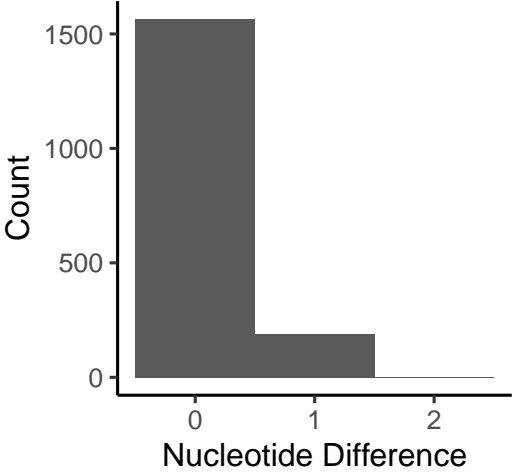
TRBV7-3*ap03

578 sequences assigned
565 (97.8%) exact matches, in which:
560 unique CDR3
13 unique J



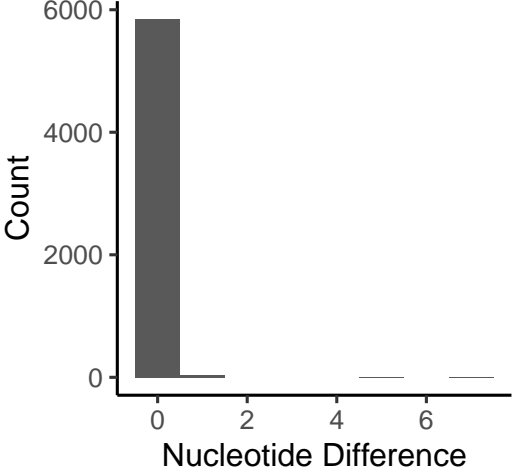
TRBV6-56*ap02

1756 sequences assigned
1565 (89.1%) exact matches, in which:
1539 unique CDR3
13 unique J



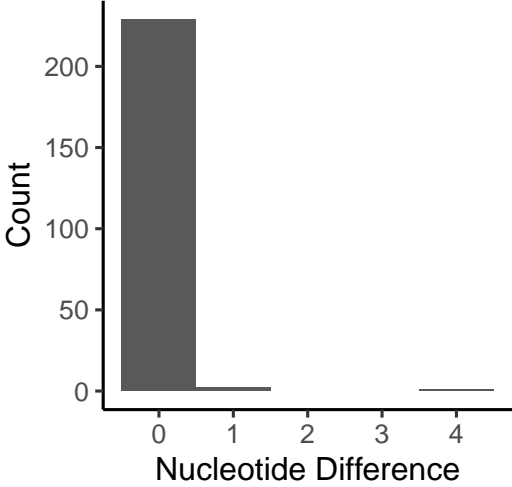
TRBV7-2*ap01

5887 sequences assigned
5848 (99.3%) exact matches, in which:
5795 unique CDR3
13 unique J



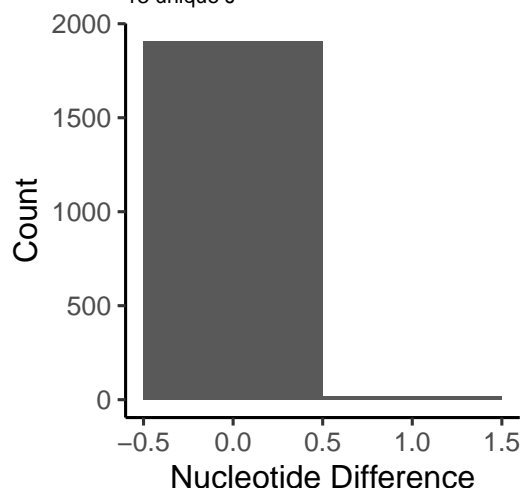
TRBV7-4*ap01

232 sequences assigned
229 (98.7%) exact matches, in which:
223 unique CDR3
13 unique J



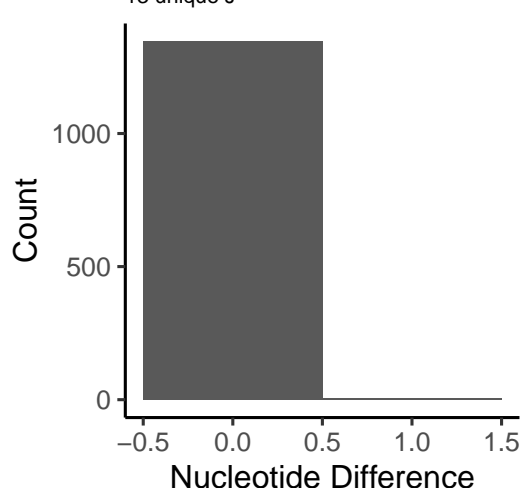
TRBV7-6*ap01

1922 sequences assigned
1906 (99.2%) exact matches, in which:
1885 unique CDR3
13 unique J



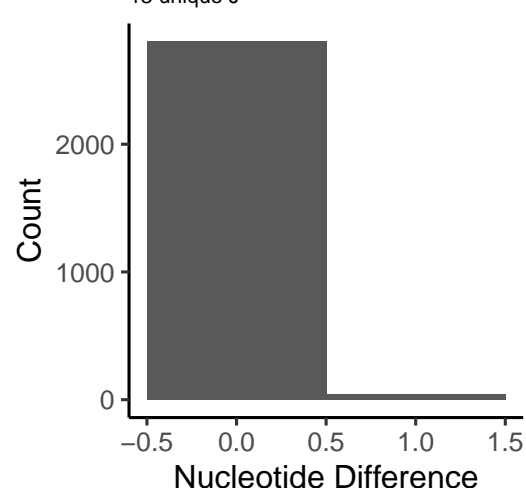
TRBV7-8*ap01

1352 sequences assigned
1346 (99.6%) exact matches, in which:
1334 unique CDR3
13 unique J



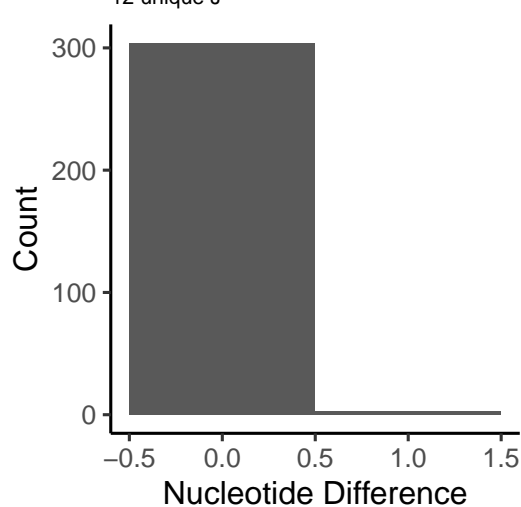
TRBV29-1*ap01

2845 sequences assigned
2805 (98.6%) exact matches, in which:
2746 unique CDR3
13 unique J



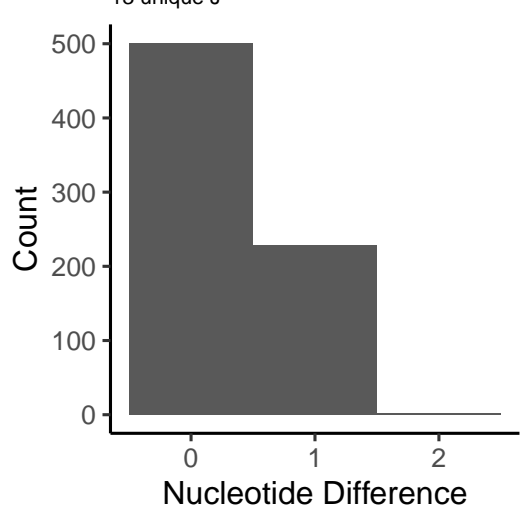
TRBV7-7*ap01

307 sequences assigned
304 (99%) exact matches, in which:
302 unique CDR3
12 unique J



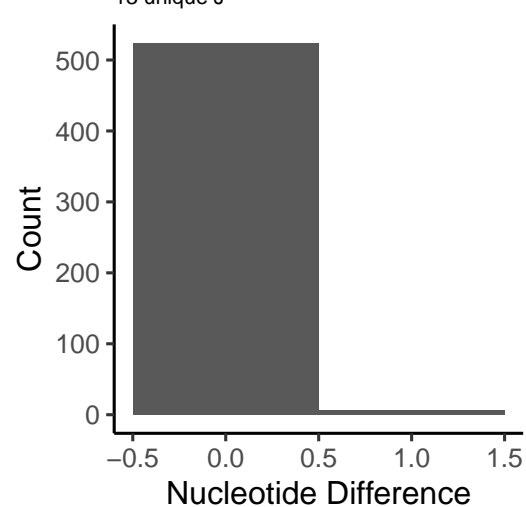
TRBV7-8*ap03

731 sequences assigned
501 (68.5%) exact matches, in which:
497 unique CDR3
13 unique J



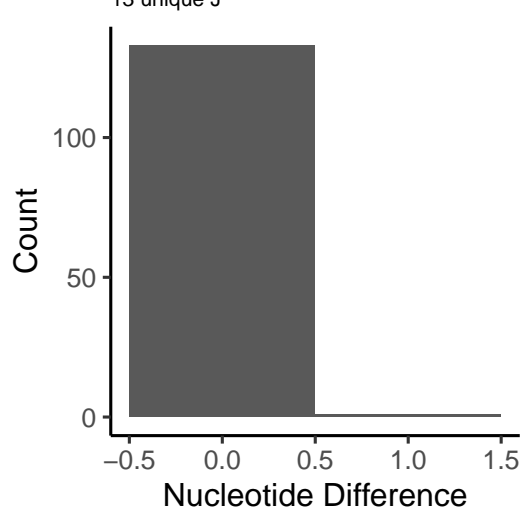
TRBV29-1*ap02

531 sequences assigned
524 (98.7%) exact matches, in which:
514 unique CDR3
13 unique J



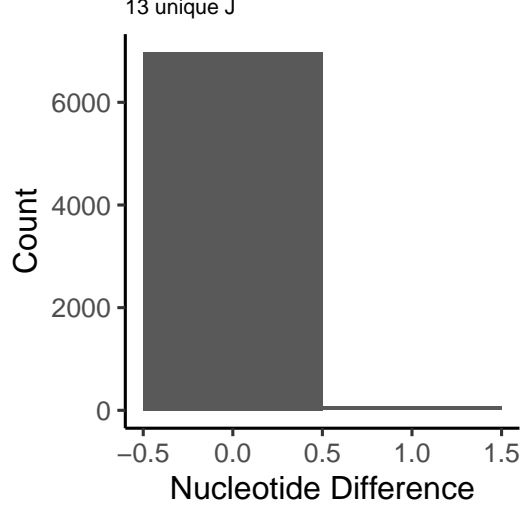
TRBV7-7*ap01_C315T

134 sequences assigned
133 (99.3%) exact matches, in which:
132 unique CDR3
13 unique J

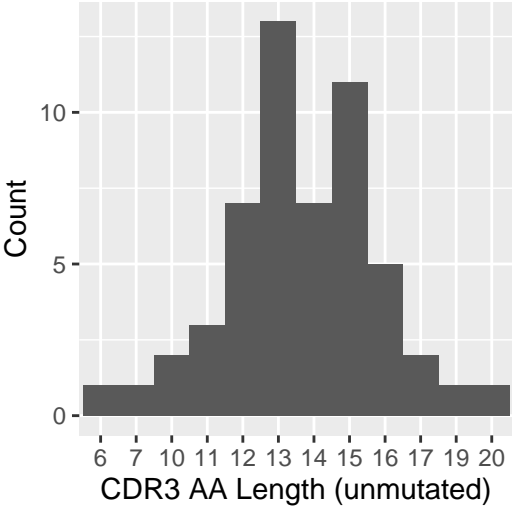


TRBV7-9*ap01

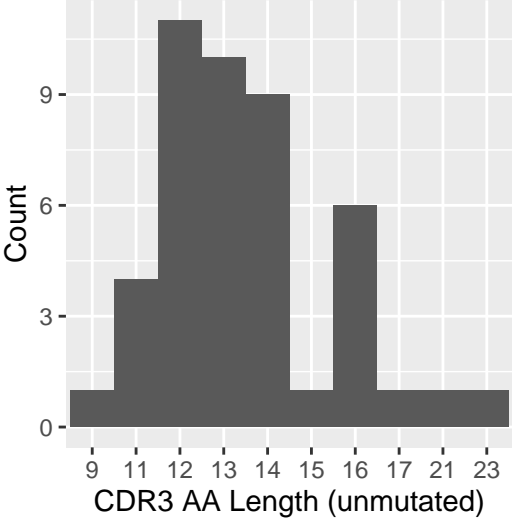
7051 sequences assigned
6979 (99%) exact matches, in which:
6896 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

