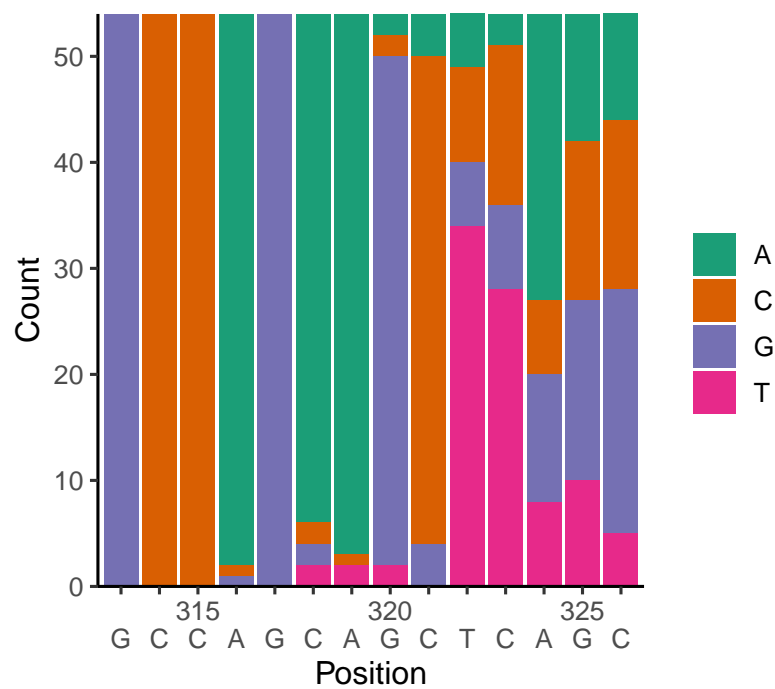
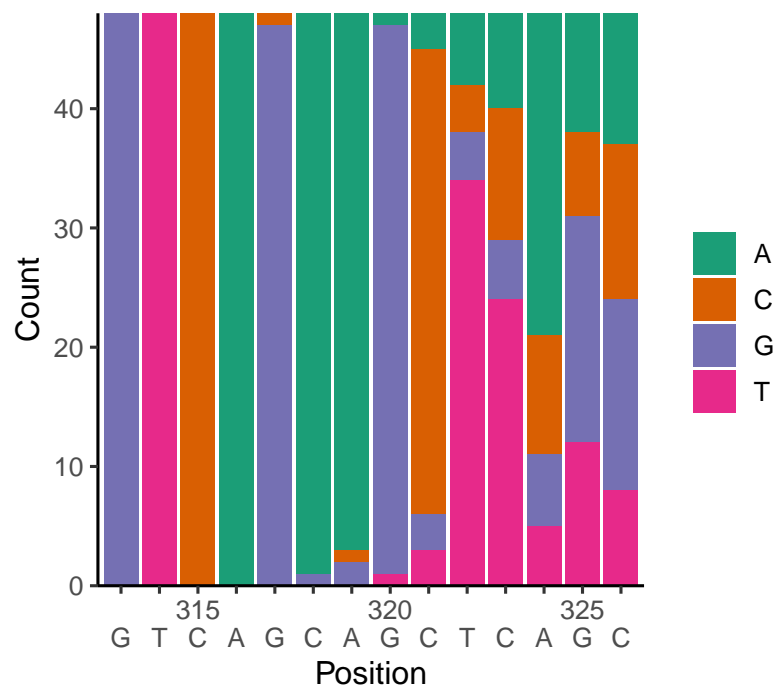


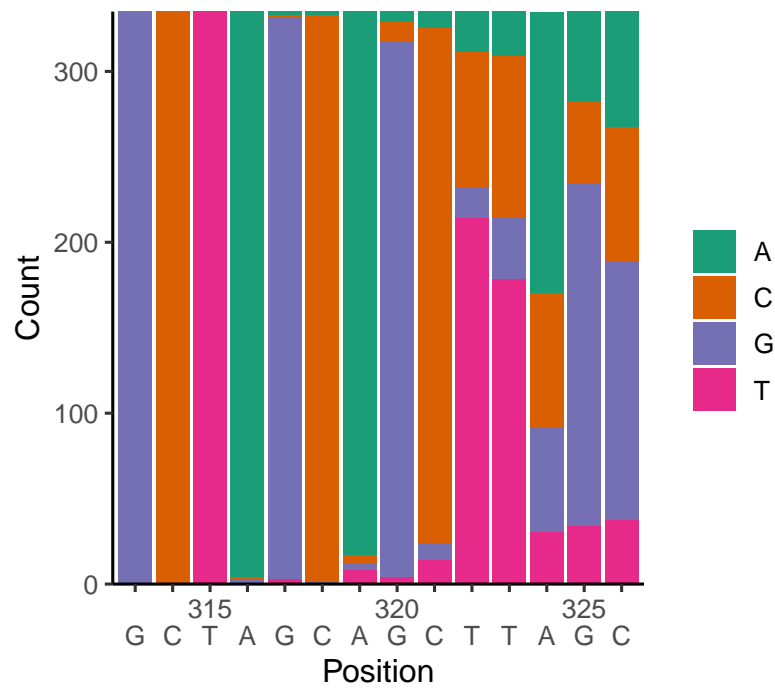
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



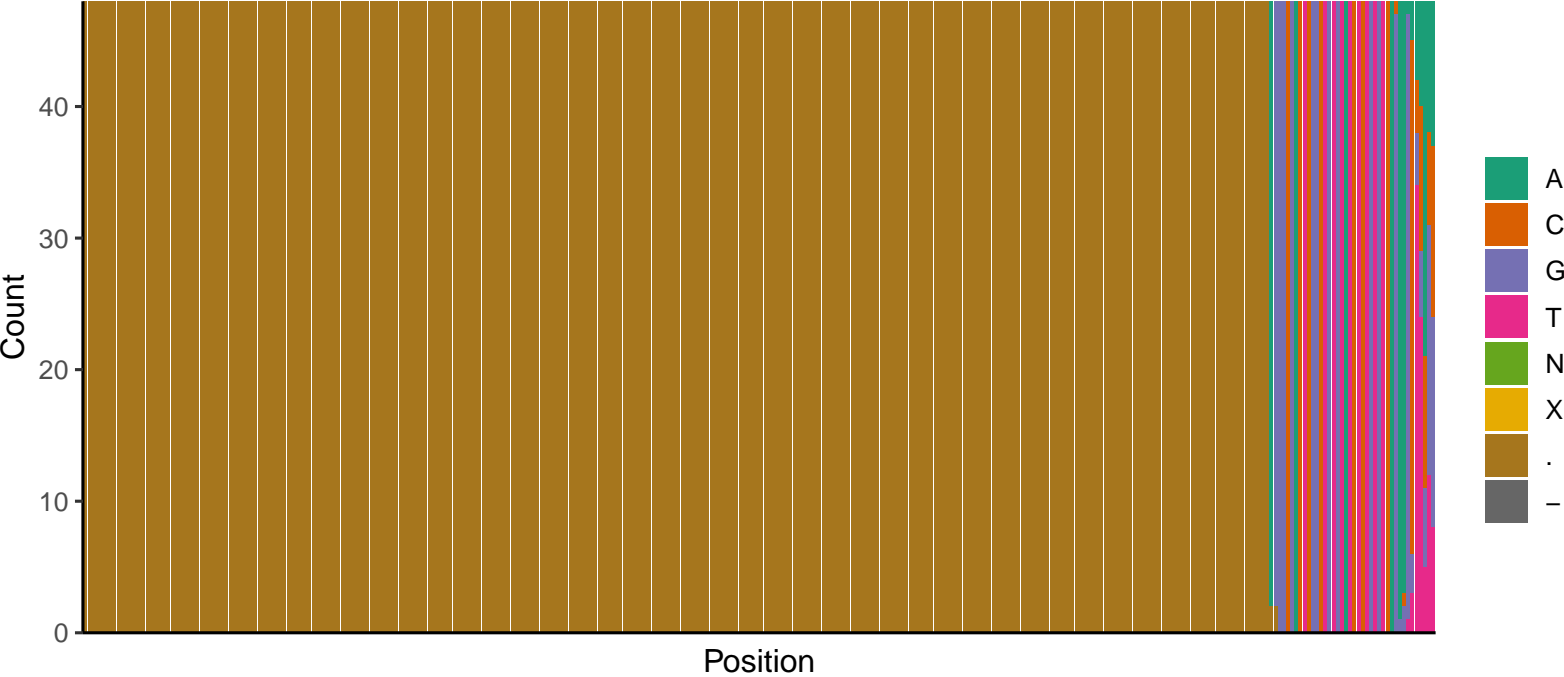
Gene TRBV7-7*ap01_C315T



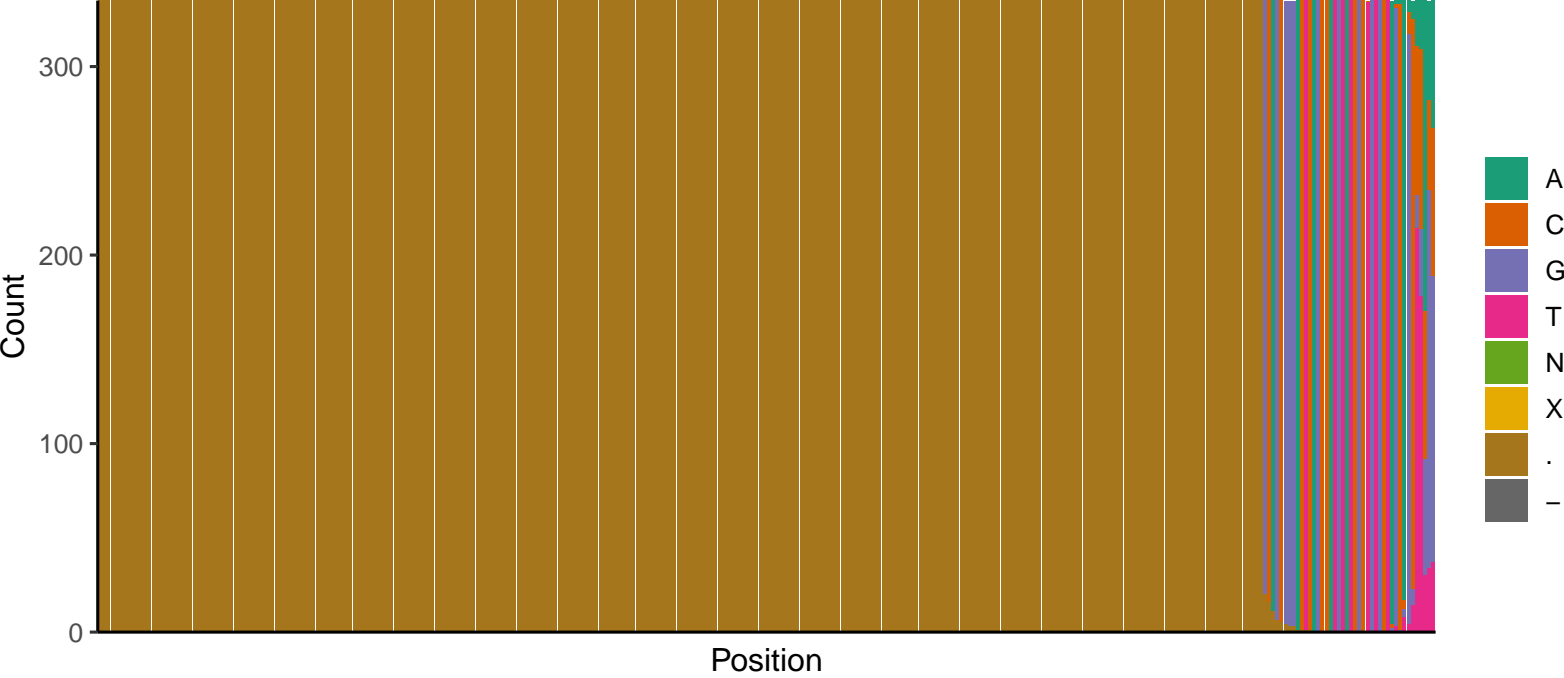
Gene TRBV7-1*ap01_G291C_T296C



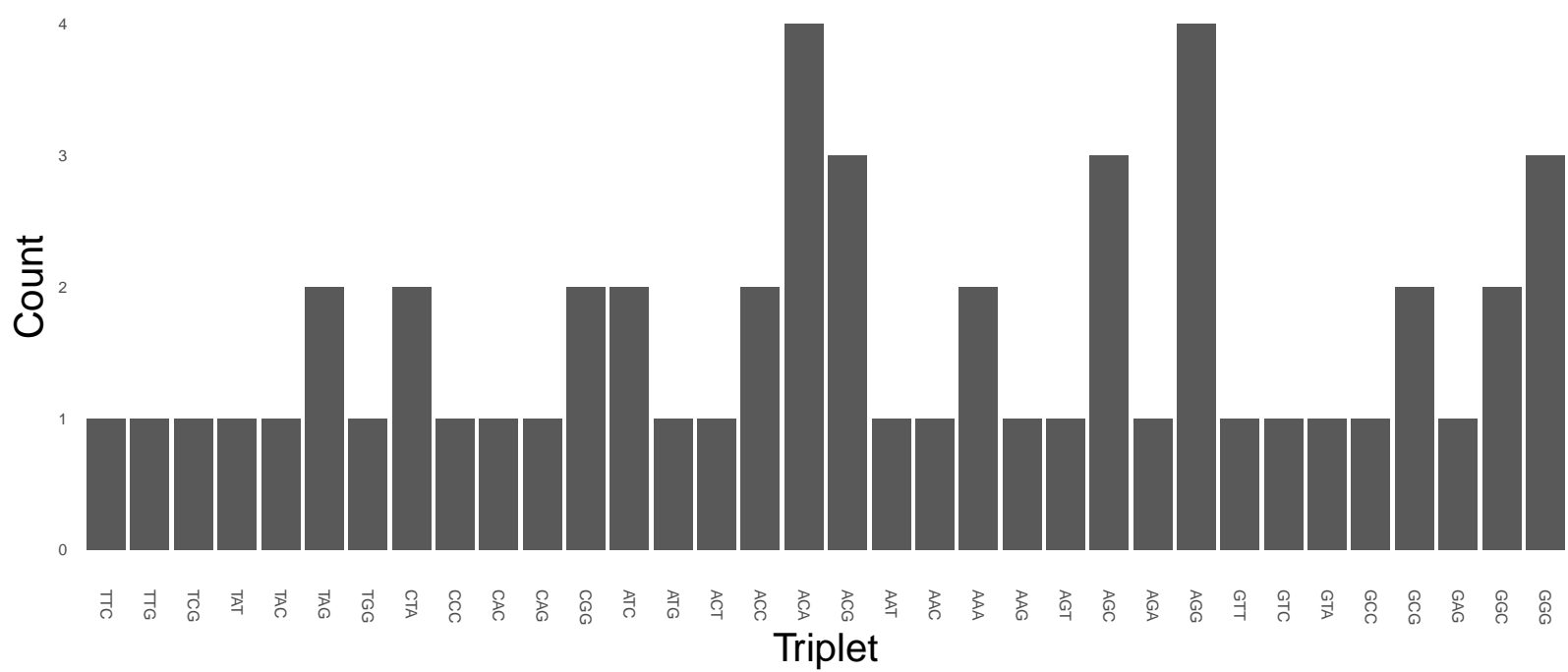
Gene TRBV7-1*ap01_G291C_T296C_C314T



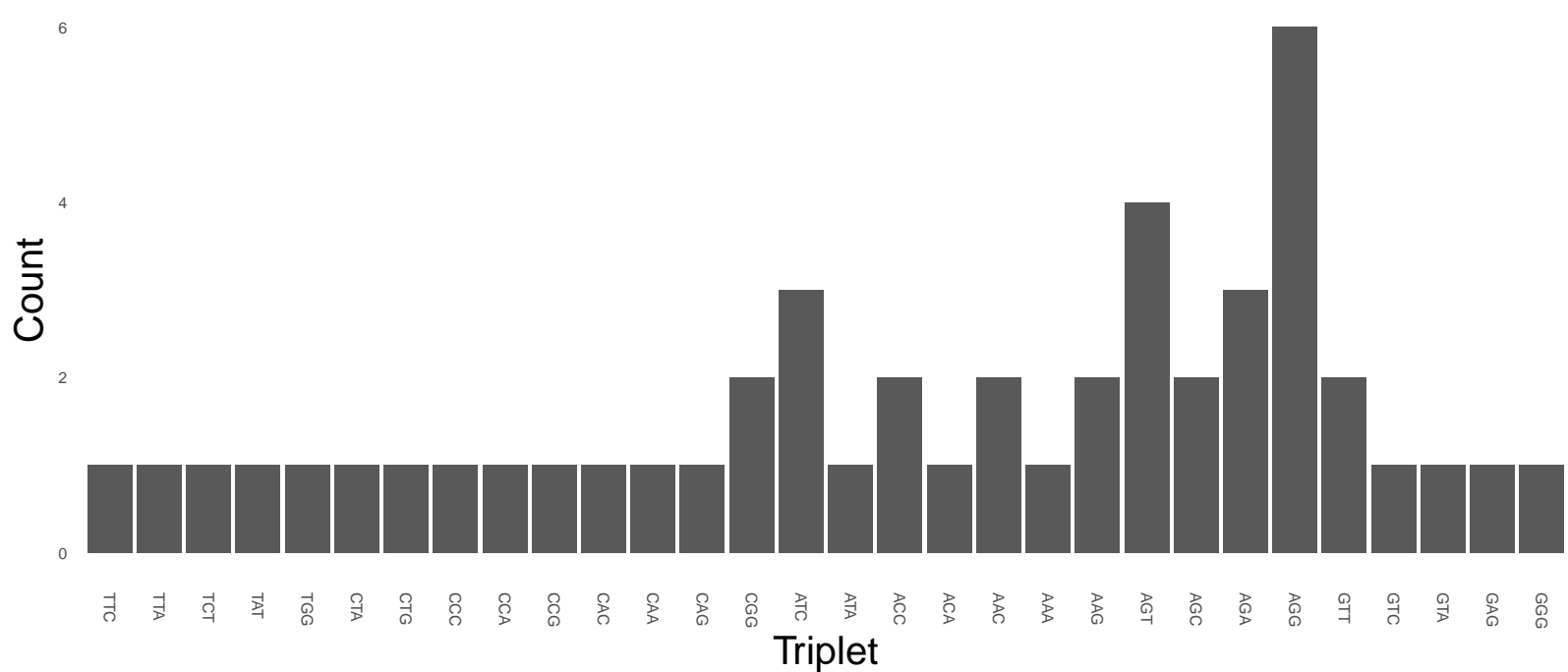
Gene TRBV7-7*ap01_C315T



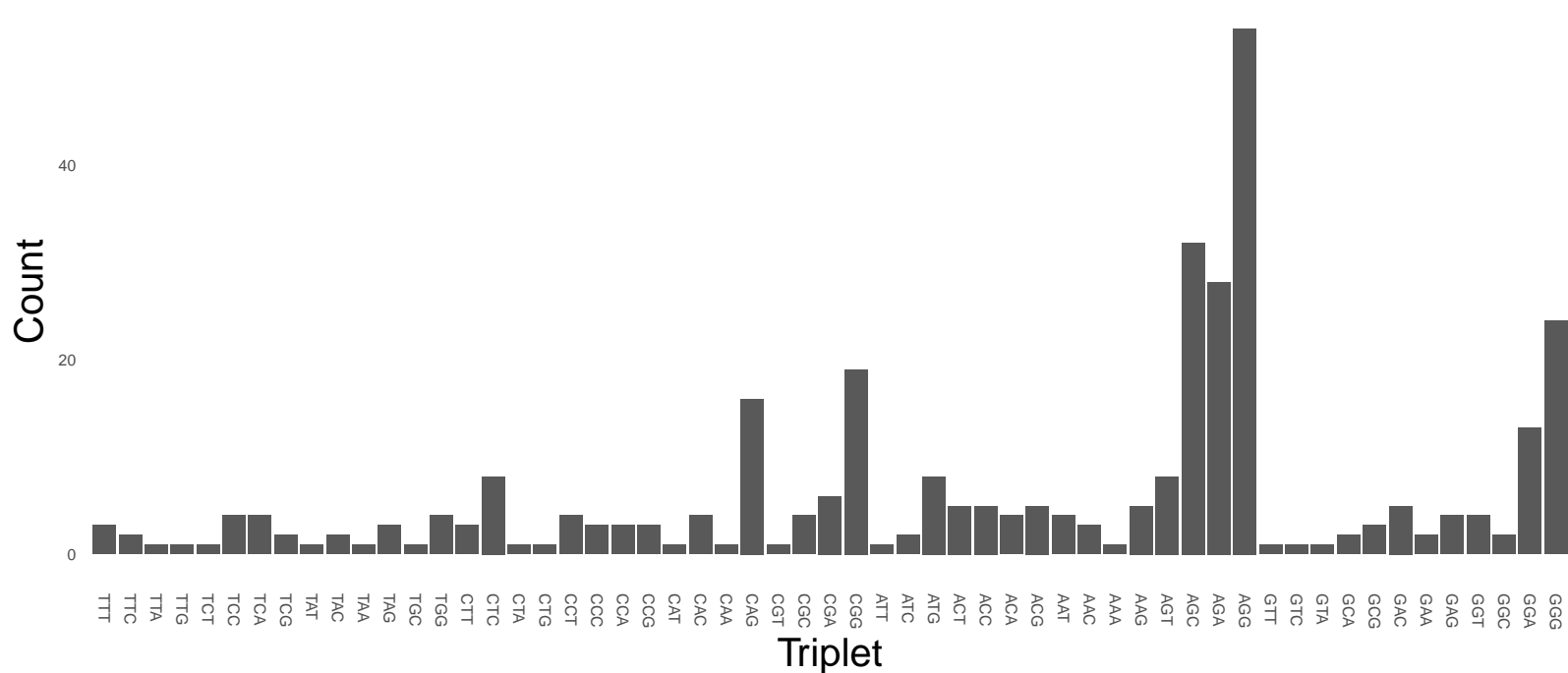
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

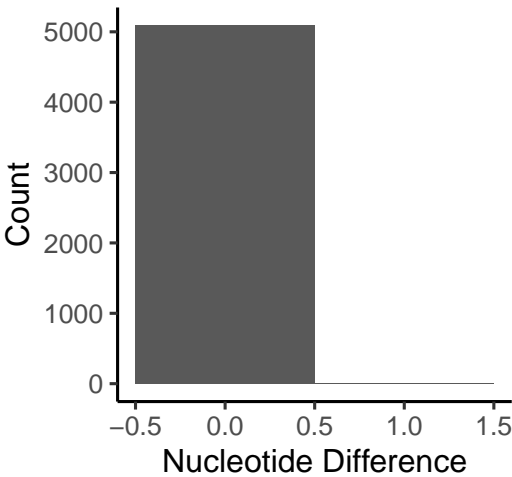


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



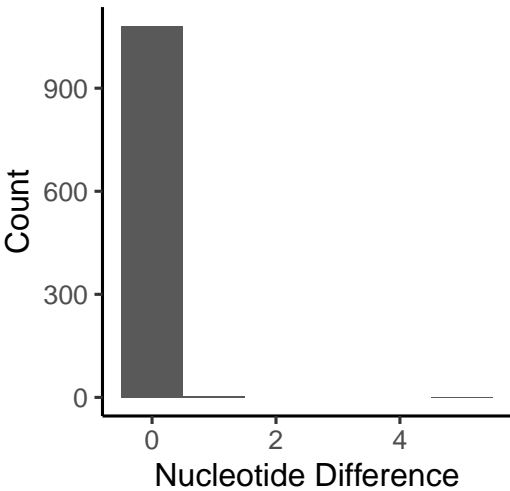
TRBV20–1*ap01

5105 sequences assigned
5091 (99.7%) exact matches, in which:
5080 unique CDR3
13 unique J



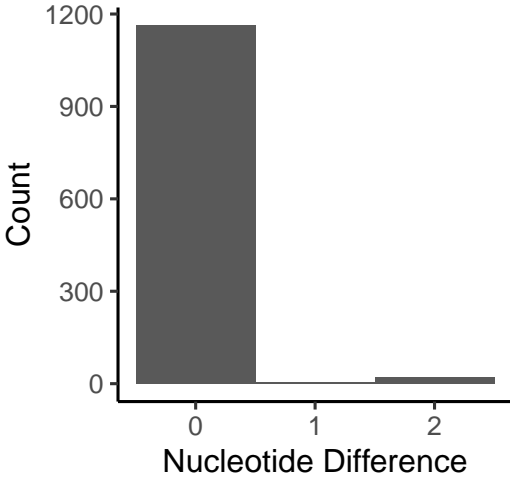
TRBV10–2*ap01

1086 sequences assigned
1082 (99.6%) exact matches, in which:
1078 unique CDR3
13 unique J



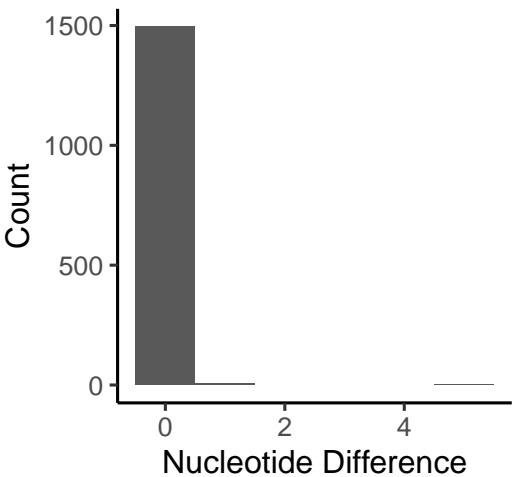
TRBV13*ap01

1189 sequences assigned
1163 (97.8%) exact matches, in which:
1159 unique CDR3
13 unique J



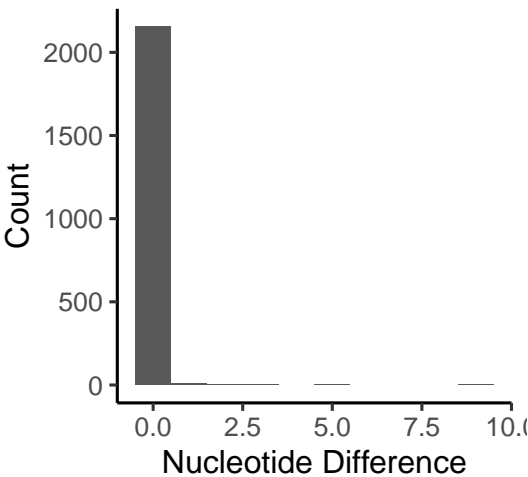
TRBV10–1*ap01

1501 sequences assigned
1495 (99.6%) exact matches, in which:
1494 unique CDR3
13 unique J



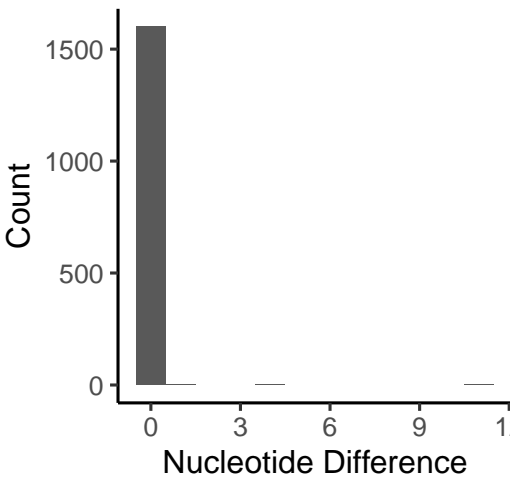
TRBV10–3*ap01

2169 sequences assigned
2154 (99.3%) exact matches, in which:
2153 unique CDR3
13 unique J



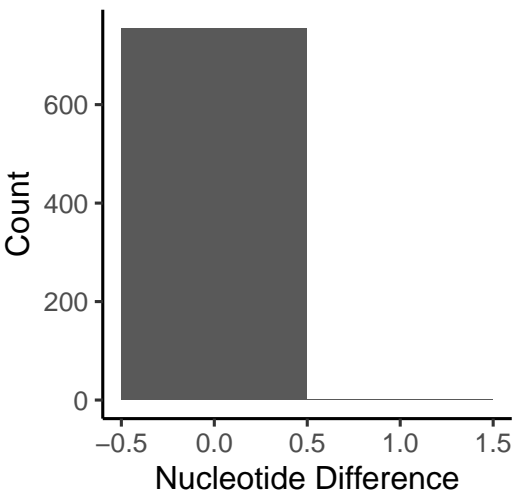
TRBV14*ap01

1604 sequences assigned
1600 (99.8%) exact matches, in which:
1598 unique CDR3
13 unique J



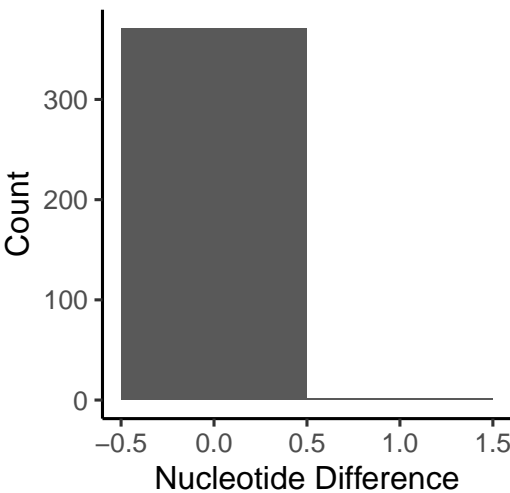
TRBV20–1*ap02

757 sequences assigned
755 (99.7%) exact matches, in which:
752 unique CDR3
13 unique J



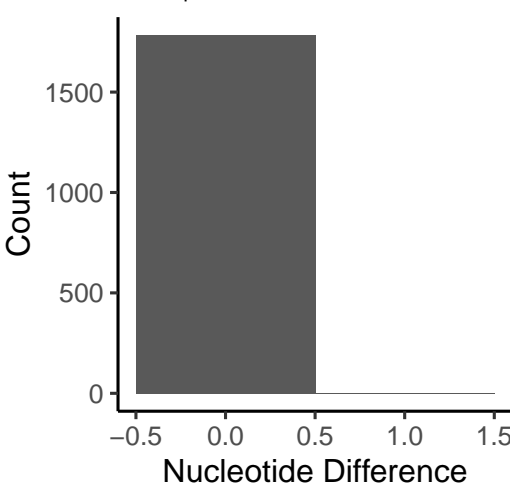
TRBV1*ap01

373 sequences assigned
371 (99.5%) exact matches, in which:
367 unique CDR3
14 unique J



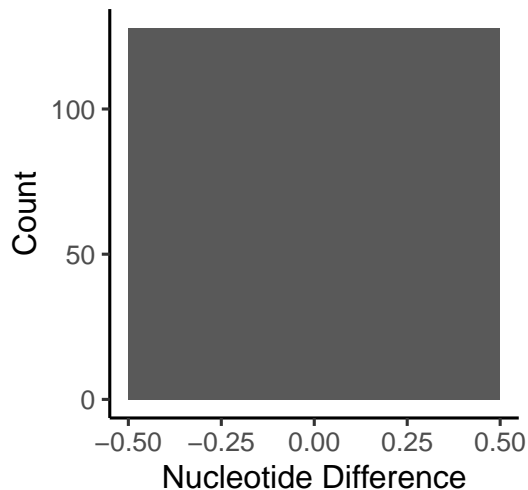
TRBV15*ap02

1787 sequences assigned
1784 (99.8%) exact matches, in which:
1773 unique CDR3
13 unique J



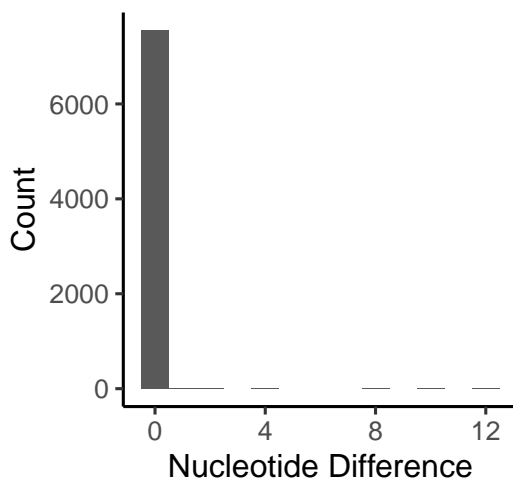
TRBV16*ap01

128 sequences assigned
128 (100%) exact matches, in which:
128 unique CDR3
12 unique J



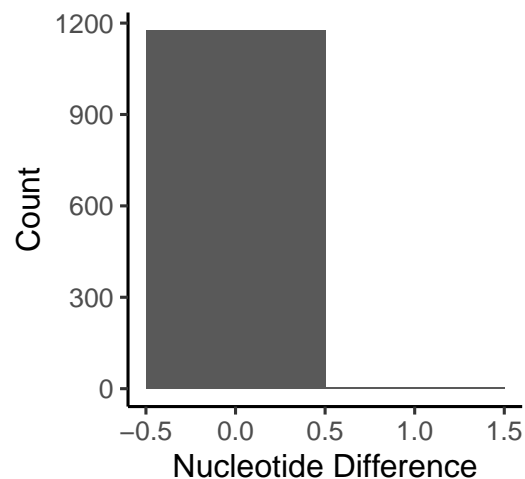
TRBV19*ap01

7569 sequences assigned
7549 (99.7%) exact matches, in which:
7543 unique CDR3
13 unique J



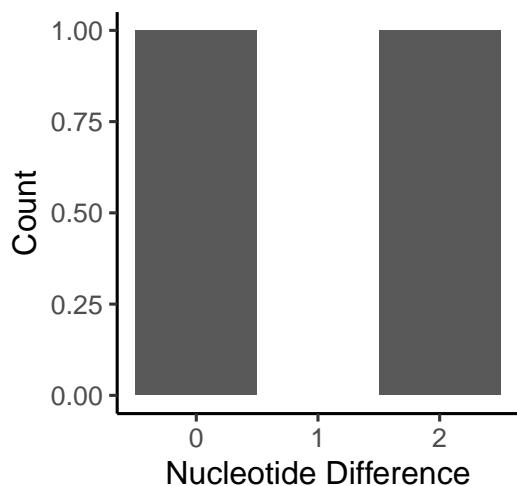
TRBV28*ap01

1181 sequences assigned
1176 (99.6%) exact matches, in which:
1173 unique CDR3
13 unique J



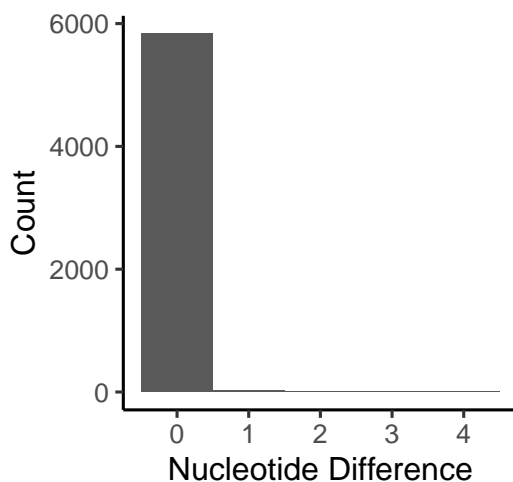
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



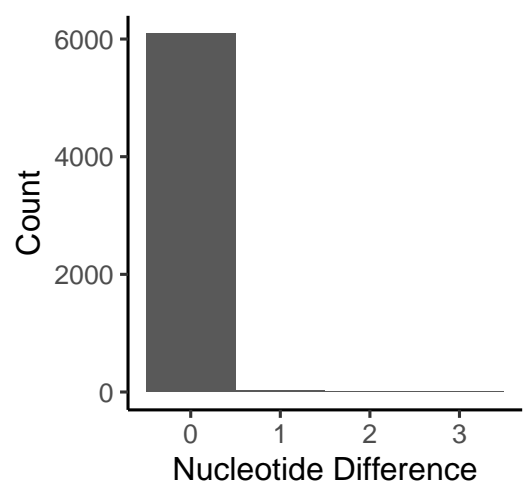
TRBV2*ap01

5863 sequences assigned
5835 (99.5%) exact matches, in which:
5814 unique CDR3
13 unique J



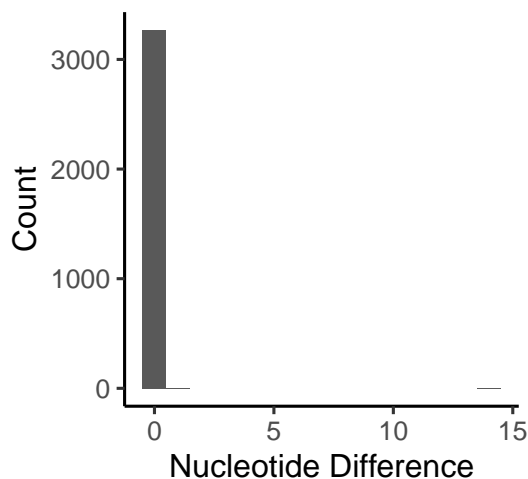
TRBV30*ap01

6116 sequences assigned
6090 (99.6%) exact matches, in which:
6074 unique CDR3
13 unique J



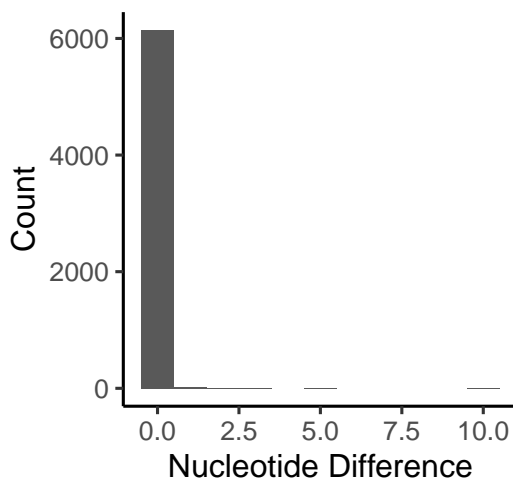
TRBV18*ap01

3272 sequences assigned
3268 (99.9%) exact matches, in which:
3266 unique CDR3
13 unique J



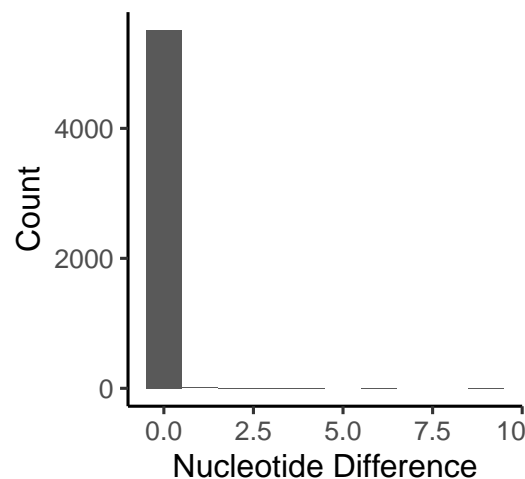
TRBV27*ap01

6171 sequences assigned
6144 (99.6%) exact matches, in which:
6124 unique CDR3
13 unique J



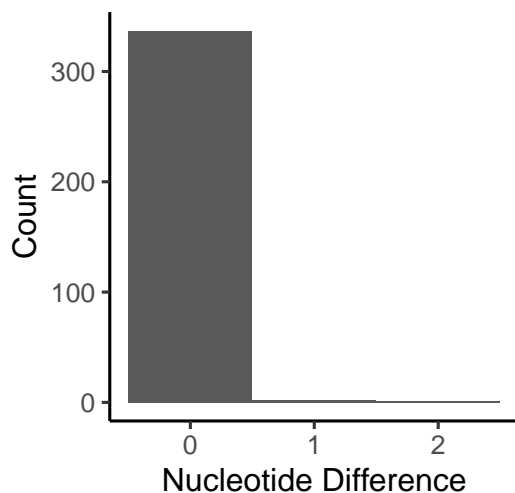
TRBV9*ap01

5528 sequences assigned
5513 (99.7%) exact matches, in which:
5500 unique CDR3
13 unique J



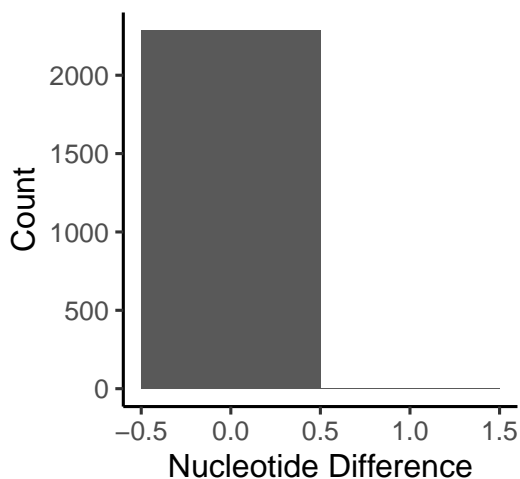
TRBV11-1*ap01

340 sequences assigned
337 (99.1%) exact matches, in which:
335 unique CDR3
13 unique J



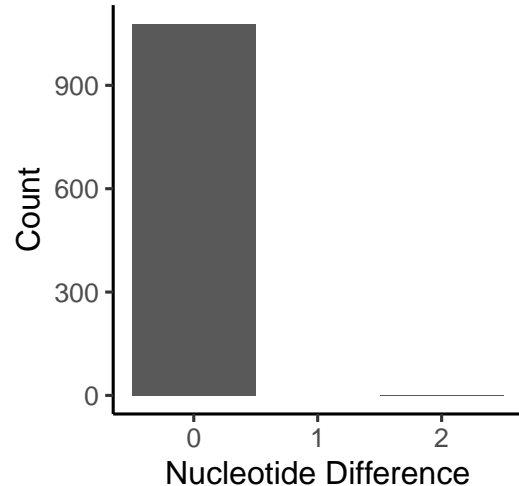
TRBV11-3*ap01

2287 sequences assigned
2286 (100%) exact matches, in which:
2284 unique CDR3
13 unique J



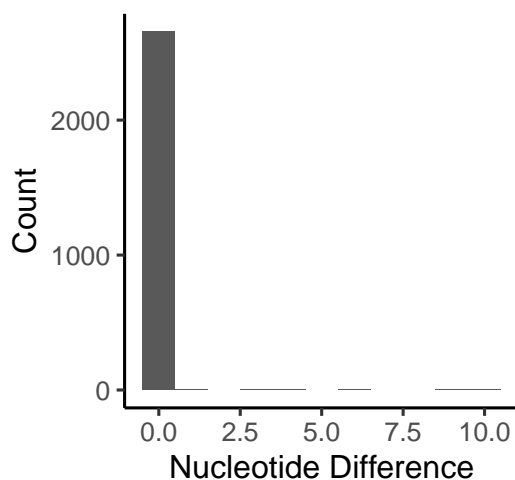
TRBV12-5*ap01

1080 sequences assigned
1079 (99.9%) exact matches, in which:
1078 unique CDR3
13 unique J



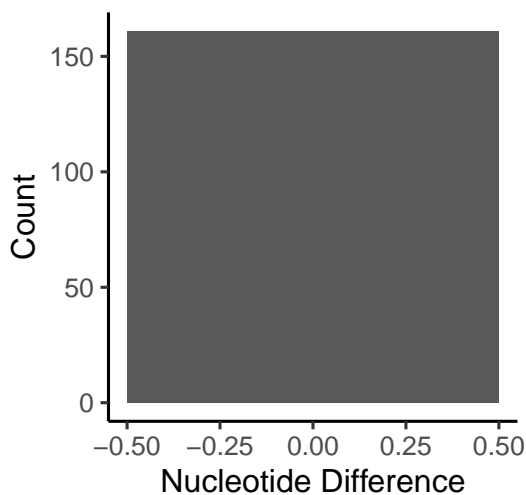
TRBV21-1*ap01

2668 sequences assigned
2655 (99.5%) exact matches, in which:
2654 unique CDR3
13 unique J



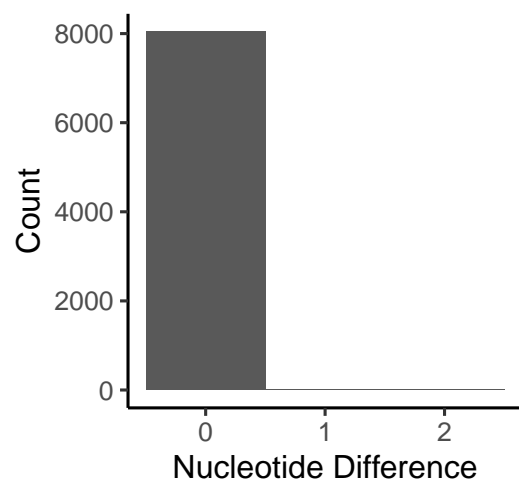
TRBV12-1*ap01

161 sequences assigned
161 (100%) exact matches, in which:
160 unique CDR3
13 unique J



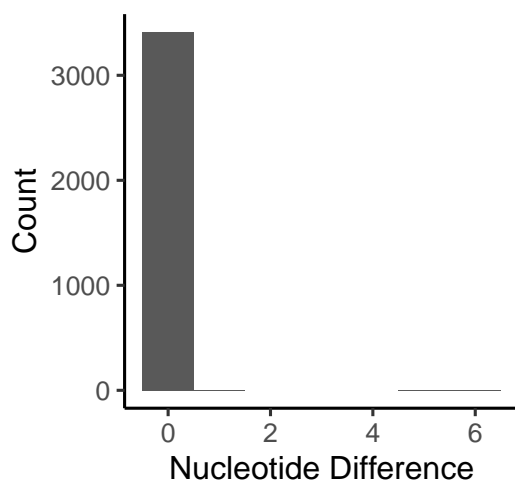
TRBV12-34*ap01

8059 sequences assigned
8042 (99.8%) exact matches, in which:
8028 unique CDR3
13 unique J



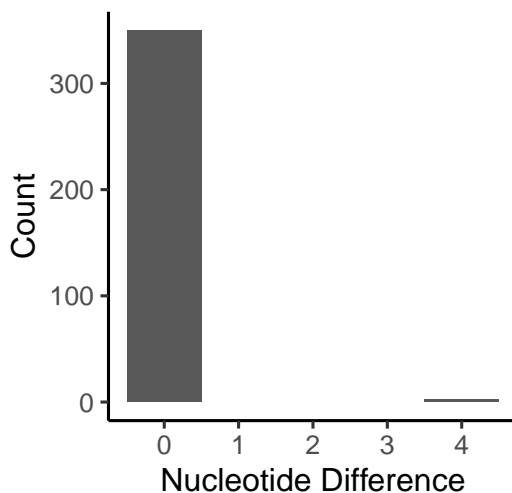
TRBV11-2*ap01

3416 sequences assigned
3412 (99.9%) exact matches, in which:
3408 unique CDR3
13 unique J



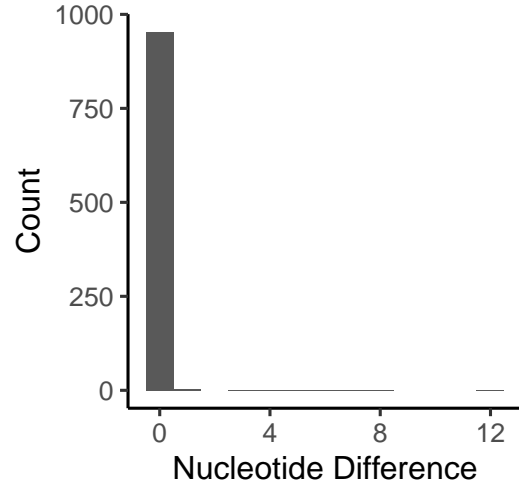
TRBV12-2*ap01

352 sequences assigned
350 (99.4%) exact matches, in which:
349 unique CDR3
13 unique J



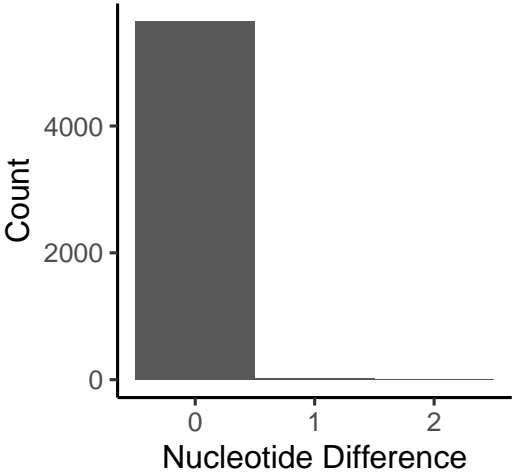
TRBV23-1*ap01

963 sequences assigned
953 (99%) exact matches, in which:
952 unique CDR3
13 unique J



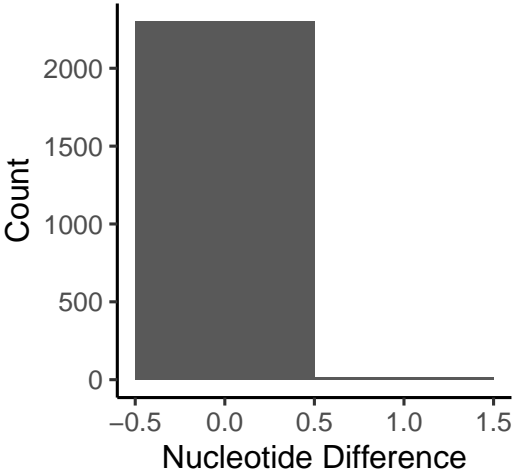
TRBV3-12*ap01

5667 sequences assigned
5649 (99.7%) exact matches, in which:
5630 unique CDR3
13 unique J



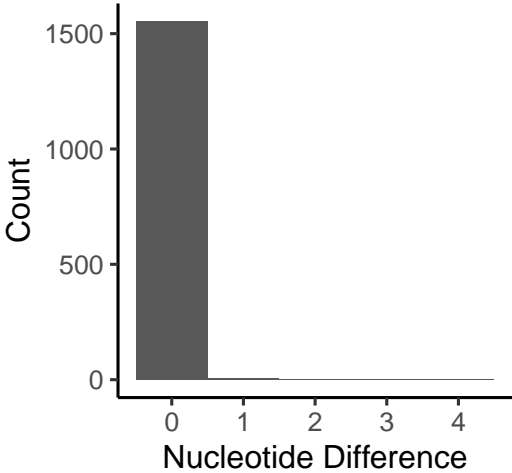
TRBV4-2*ap01

2314 sequences assigned
2301 (99.4%) exact matches, in which:
2297 unique CDR3
13 unique J



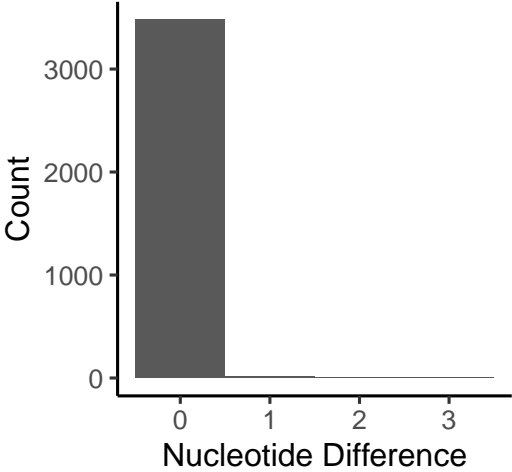
TRBV25-1*ap01

1566 sequences assigned
1553 (99.2%) exact matches, in which:
1550 unique CDR3
13 unique J



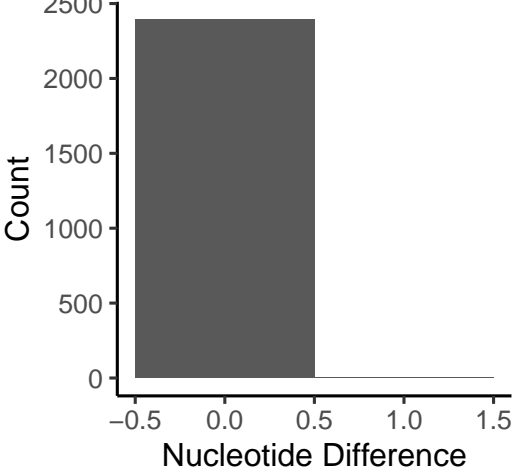
TRBV4-1*ap01

3491 sequences assigned
3479 (99.7%) exact matches, in which:
3468 unique CDR3
13 unique J



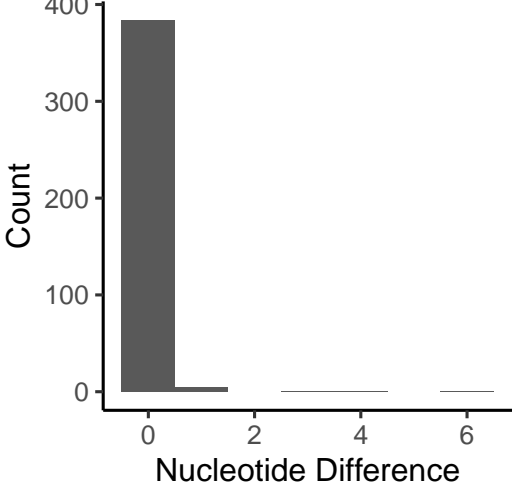
TRBV4-3*ap01

2395 sequences assigned
2392 (99.9%) exact matches, in which:
2384 unique CDR3
13 unique J



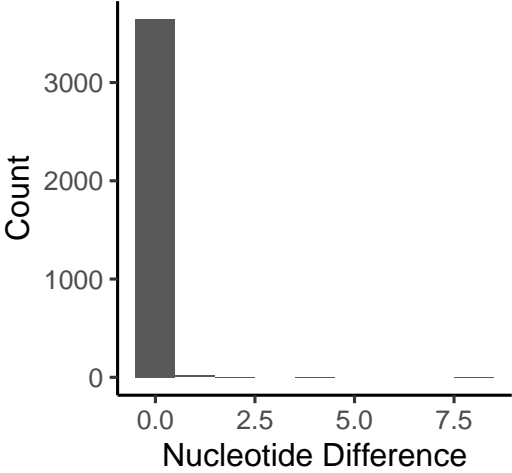
TRBV5-3*ap01

392 sequences assigned
384 (98%) exact matches, in which:
384 unique CDR3
13 unique J



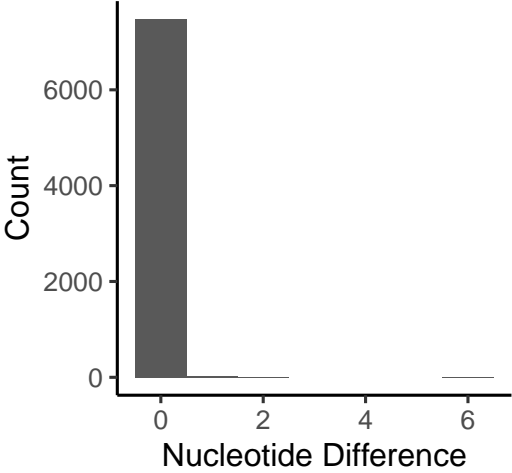
TRBV24-1*ap01

3669 sequences assigned
3646 (99.4%) exact matches, in which:
3641 unique CDR3
13 unique J



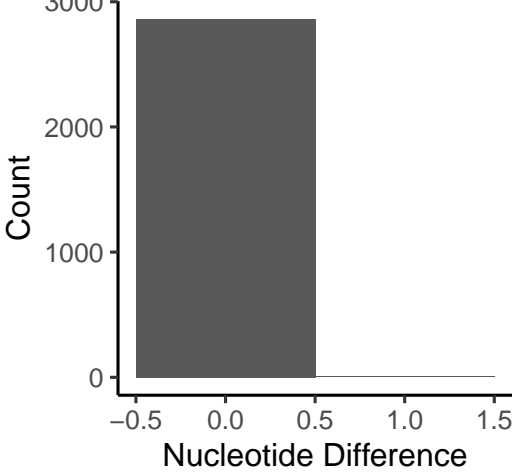
TRBV5-1*ap01

7502 sequences assigned
7477 (99.7%) exact matches, in which:
7420 unique CDR3
13 unique J



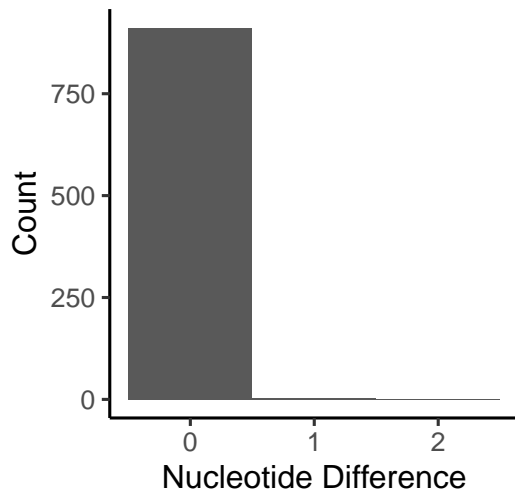
TRBV5-4*ap01

2869 sequences assigned
2862 (99.8%) exact matches, in which:
2861 unique CDR3
13 unique J



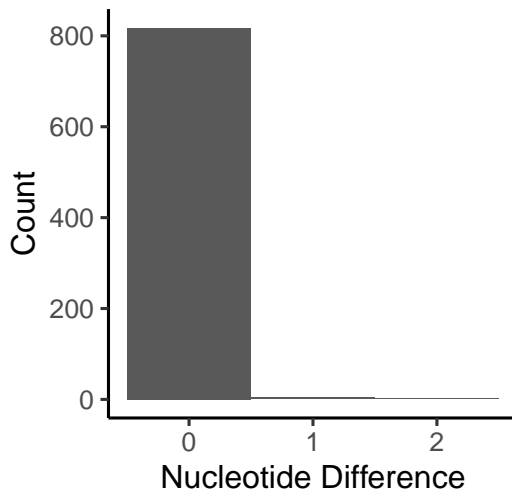
TRBV5–5*ap01

917 sequences assigned
912 (99.5%) exact matches, in which:
909 unique CDR3
13 unique J



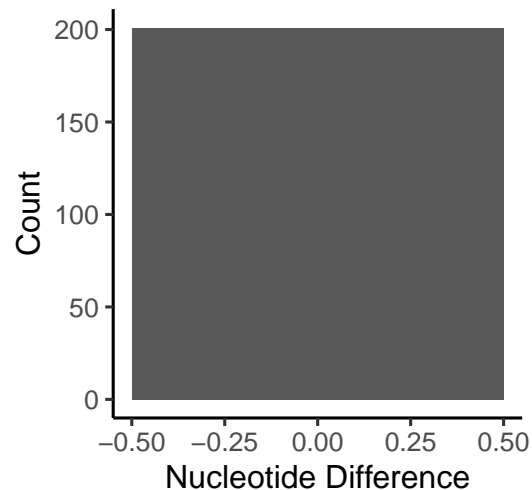
TRBV5–8*ap01

824 sequences assigned
818 (99.3%) exact matches, in which:
817 unique CDR3
13 unique J



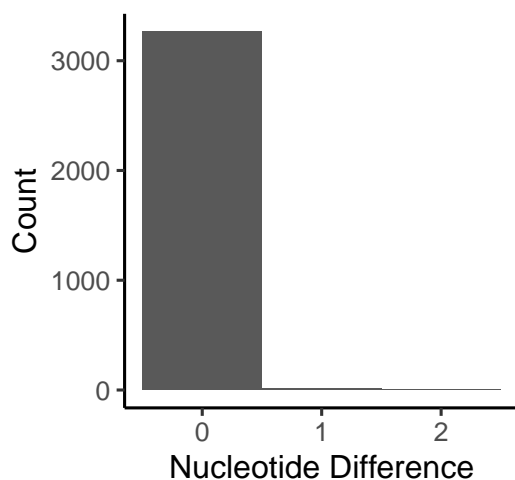
TRBV6–7*ap01

201 sequences assigned
201 (100%) exact matches, in which:
201 unique CDR3
13 unique J



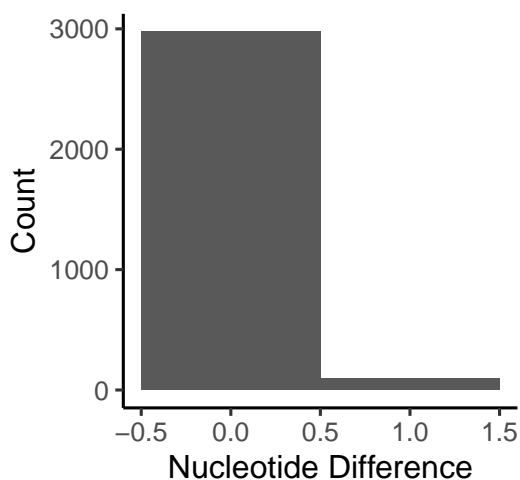
TRBV5–6*ap01

3277 sequences assigned
3264 (99.6%) exact matches, in which:
3251 unique CDR3
13 unique J



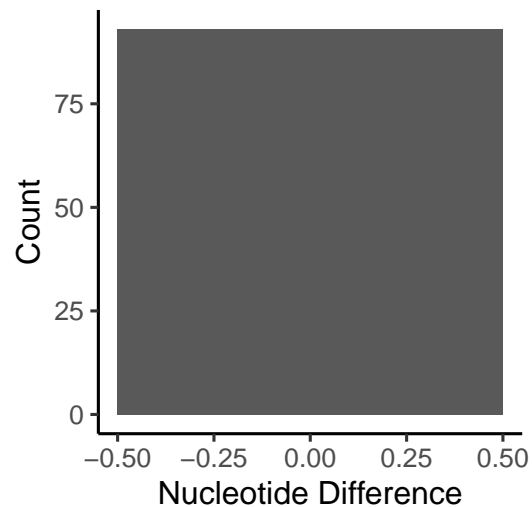
TRBV6–1*ap01

3070 sequences assigned
2976 (96.9%) exact matches, in which:
2964 unique CDR3
13 unique J



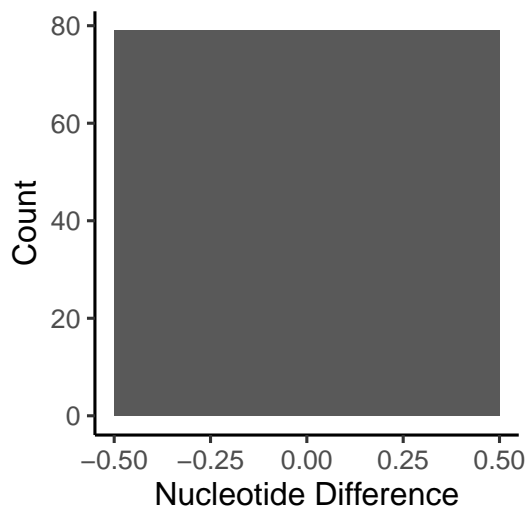
TRBV6–8*ap01

93 sequences assigned
93 (100%) exact matches, in which:
93 unique CDR3
13 unique J



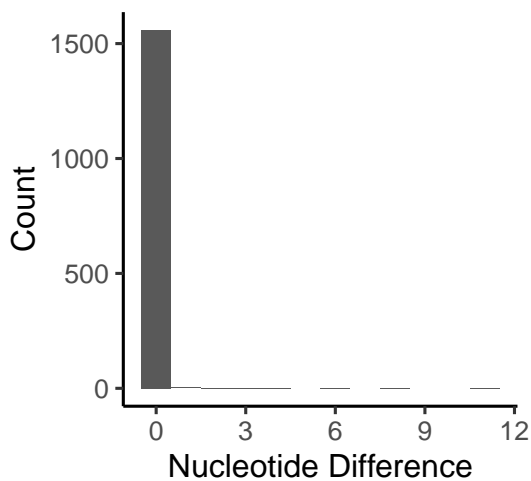
TRBV5–7*ap01

79 sequences assigned
79 (100%) exact matches, in which:
79 unique CDR3
13 unique J



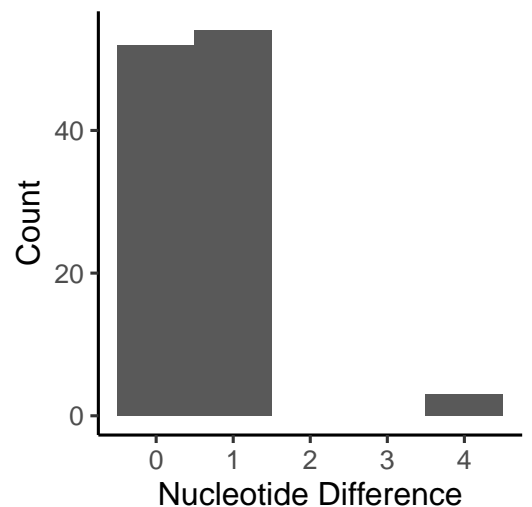
TRBV6–4*ap01

1571 sequences assigned
1559 (99.2%) exact matches, in which:
1558 unique CDR3
13 unique J



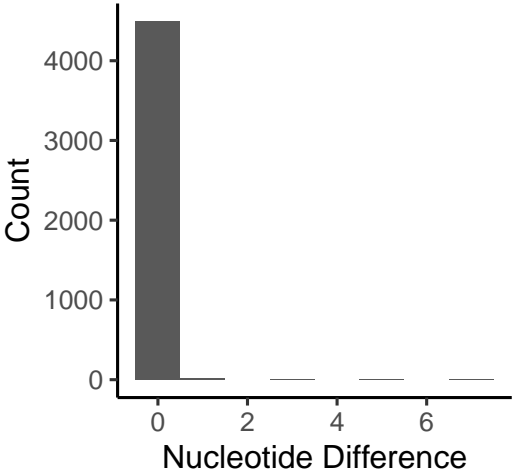
TRBV6–9*ap01

109 sequences assigned
52 (47.7%) exact matches, in which:
50 unique CDR3
10 unique J



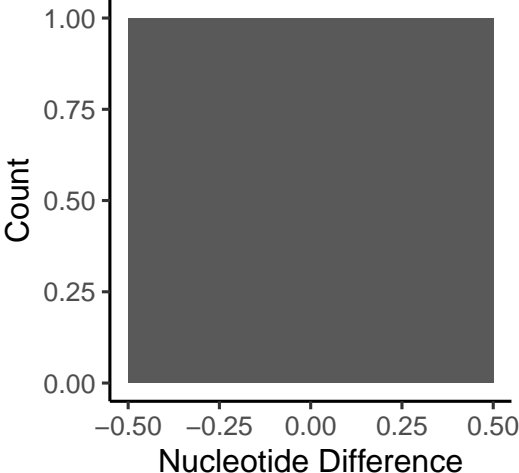
TRBV6-23*ap01

4511 sequences assigned
4493 (99.6%) exact matches, in which:
4475 unique CDR3
13 unique J



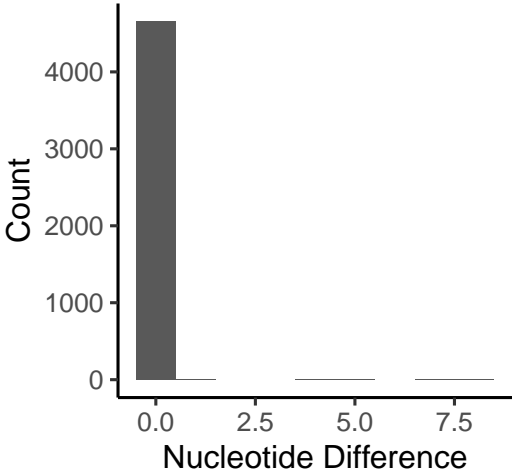
TRBV7-1*ap01

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



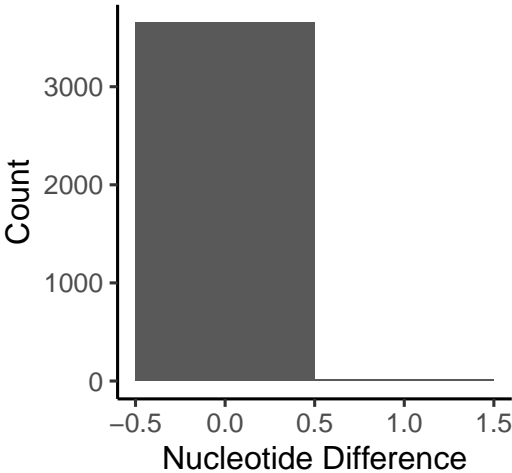
TRBV7-2*ap01

4669 sequences assigned
4656 (99.7%) exact matches, in which:
4648 unique CDR3
13 unique J



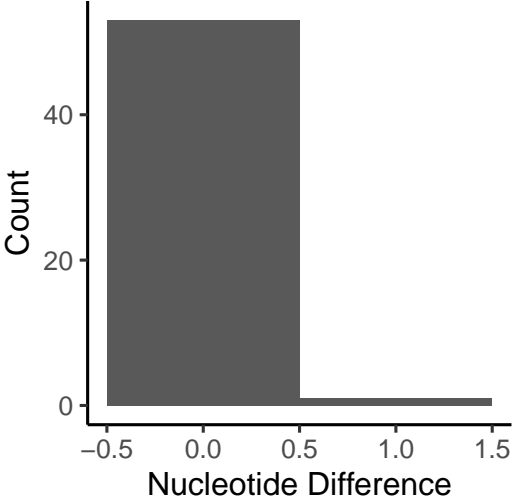
TRBV6-56*ap01

3666 sequences assigned
3652 (99.6%) exact matches, in which:
3637 unique CDR3
13 unique J



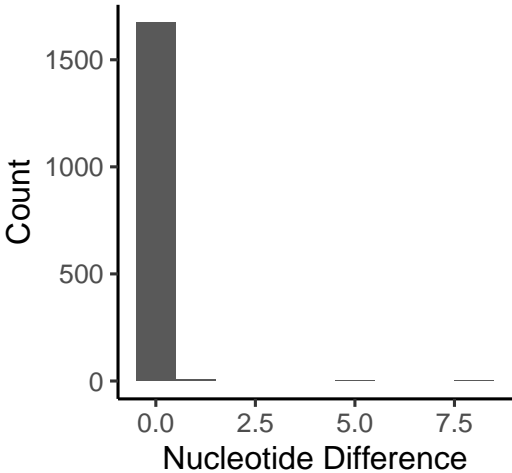
TRBV7-1*ap01_G291C_T

54 sequences assigned
53 (98.1%) exact matches, in which:
53 unique CDR3
10 unique J



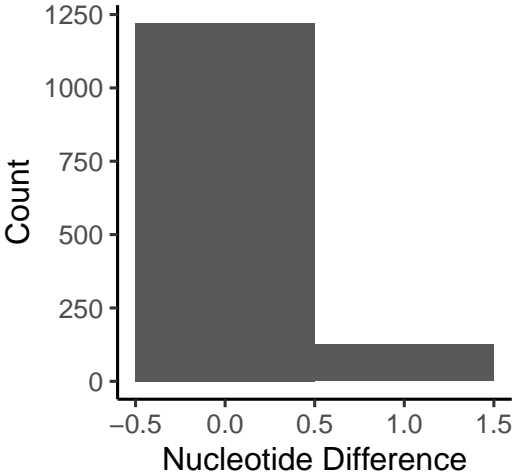
TRBV7-3*ap01

1680 sequences assigned
1673 (99.6%) exact matches, in which:
1669 unique CDR3
13 unique J



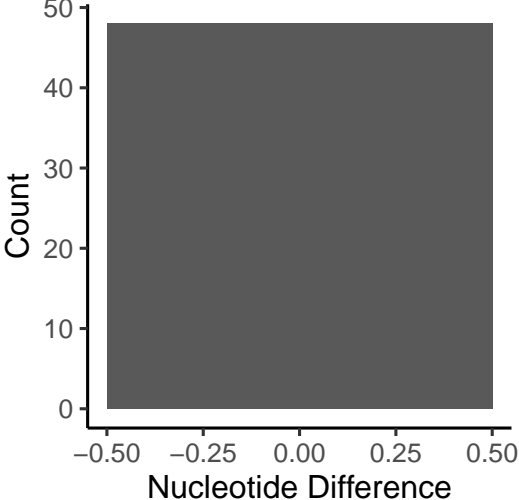
TRBV6-56*ap02

1347 sequences assigned
1221 (90.6%) exact matches, in which:
1217 unique CDR3
13 unique J



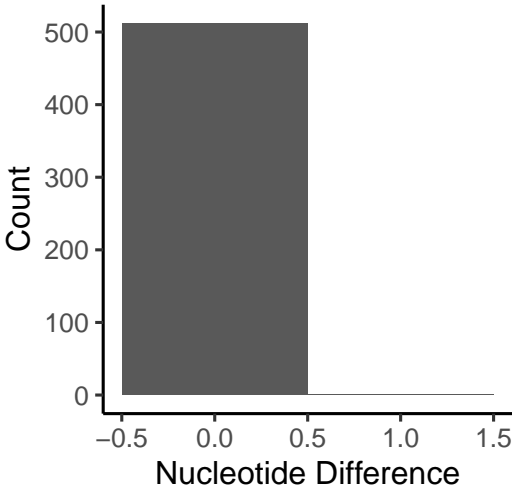
TRBV7-1*ap01_G291C_T

48 sequences assigned
48 (100%) exact matches, in which:
48 unique CDR3
11 unique J



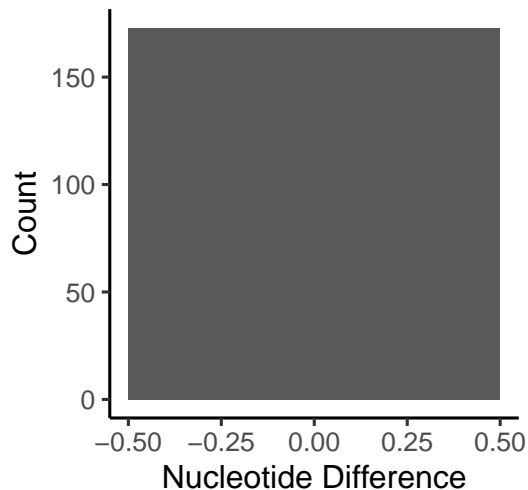
TRBV7-3*ap02

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



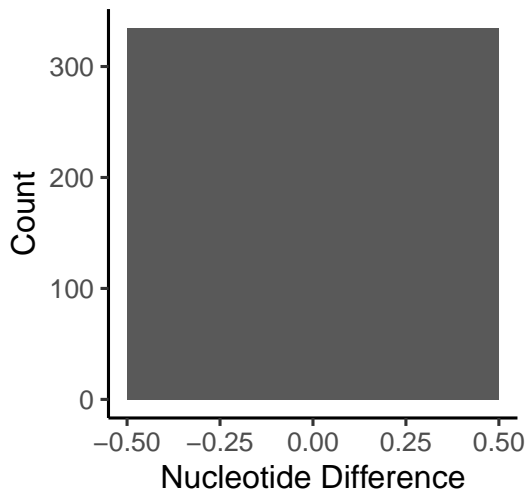
TRBV7-4*ap01

173 sequences assigned
173 (100%) exact matches, in which:
173 unique CDR3
13 unique J



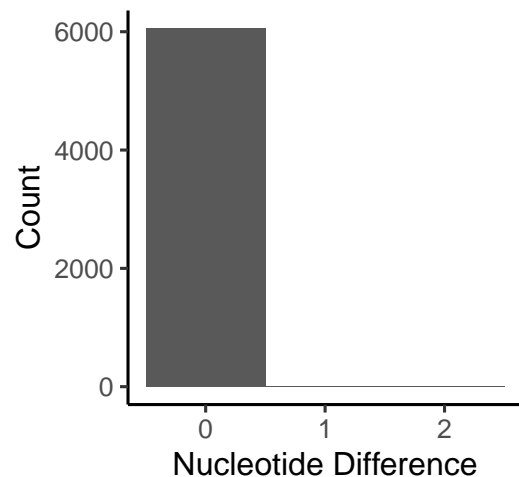
TRBV7-7*ap01_C315T

335 sequences assigned
335 (100%) exact matches, in which:
333 unique CDR3
13 unique J



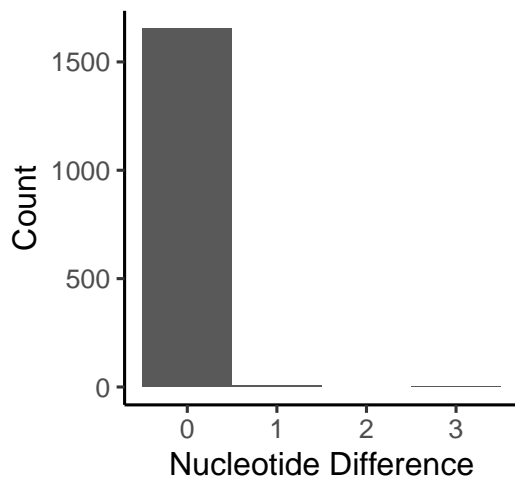
TRBV7-9*ap01

6068 sequences assigned
6056 (99.8%) exact matches, in which:
6049 unique CDR3
13 unique J



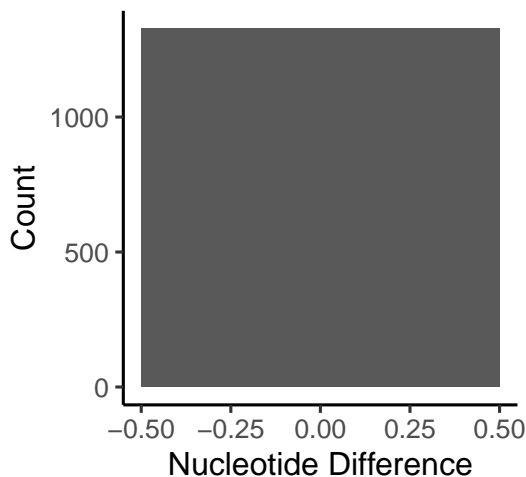
TRBV7-6*ap01

1659 sequences assigned
1653 (99.6%) exact matches, in which:
1646 unique CDR3
13 unique J



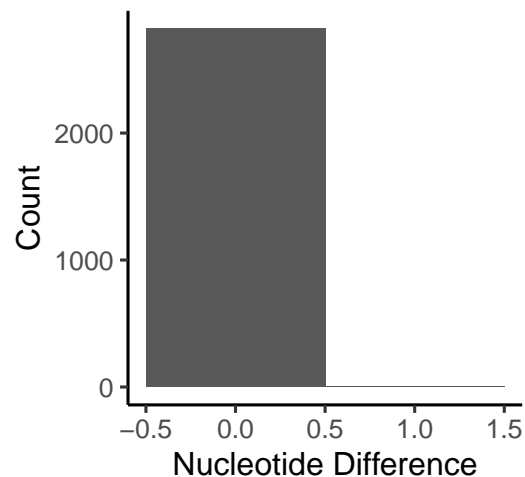
TRBV7-8*ap01

1327 sequences assigned
1327 (100%) exact matches, in which:
1326 unique CDR3
13 unique J



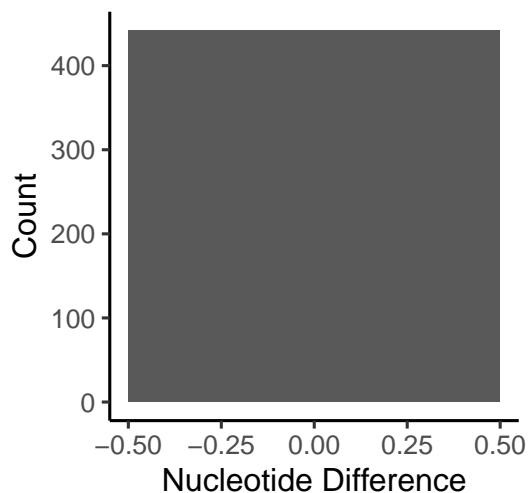
TRBV29-1*ap01

2829 sequences assigned
2822 (99.8%) exact matches, in which:
2816 unique CDR3
13 unique J



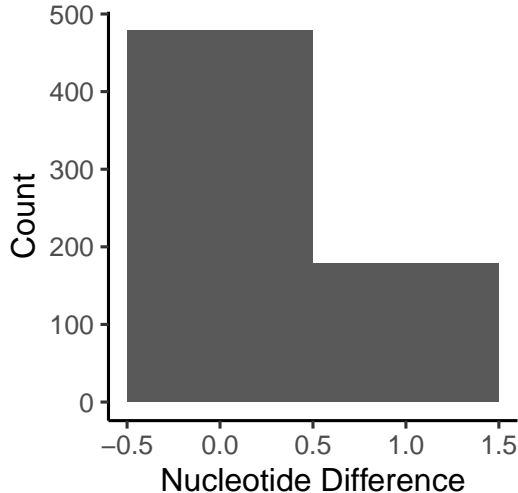
TRBV7-7*ap01

442 sequences assigned
442 (100%) exact matches, in which:
441 unique CDR3
13 unique J



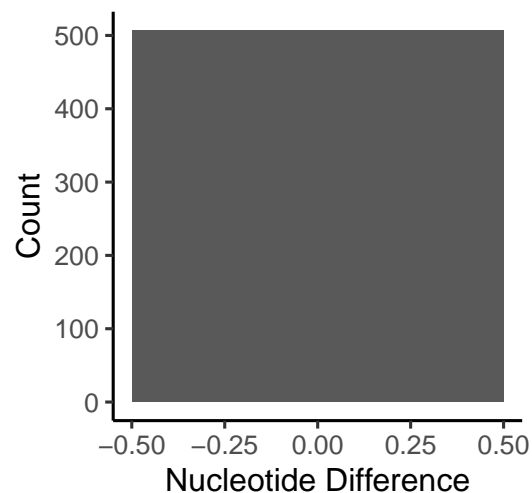
TRBV7-8*ap03

657 sequences assigned
479 (72.9%) exact matches, in which:
479 unique CDR3
13 unique J

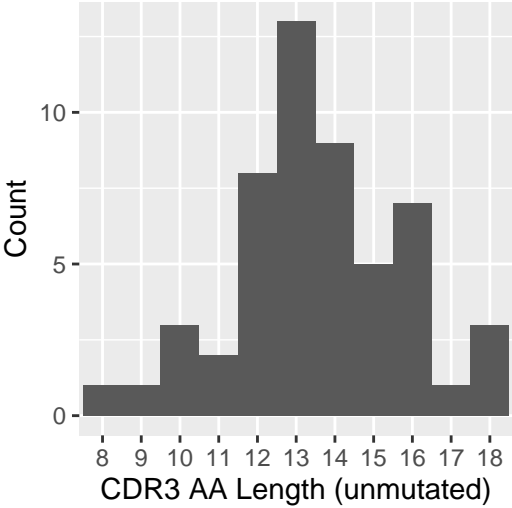


TRBV29-1*ap02

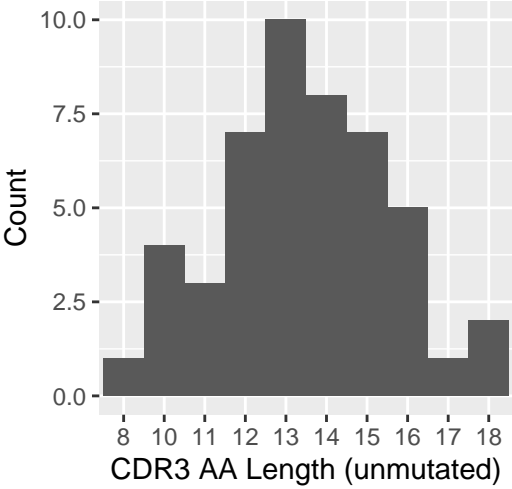
507 sequences assigned
507 (100%) exact matches, in which:
507 unique CDR3
13 unique J



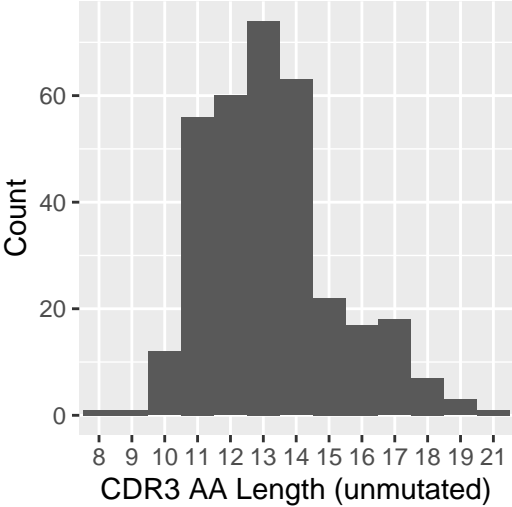
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]