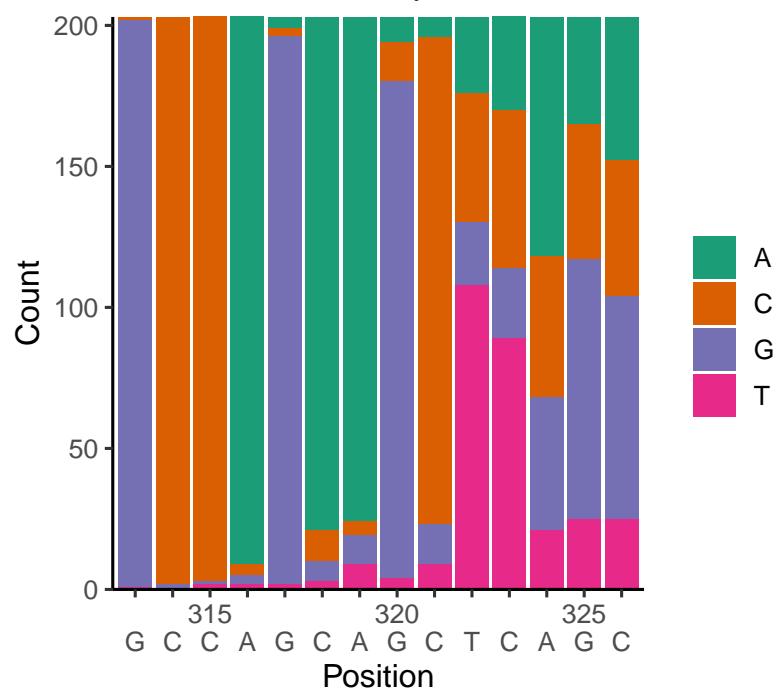
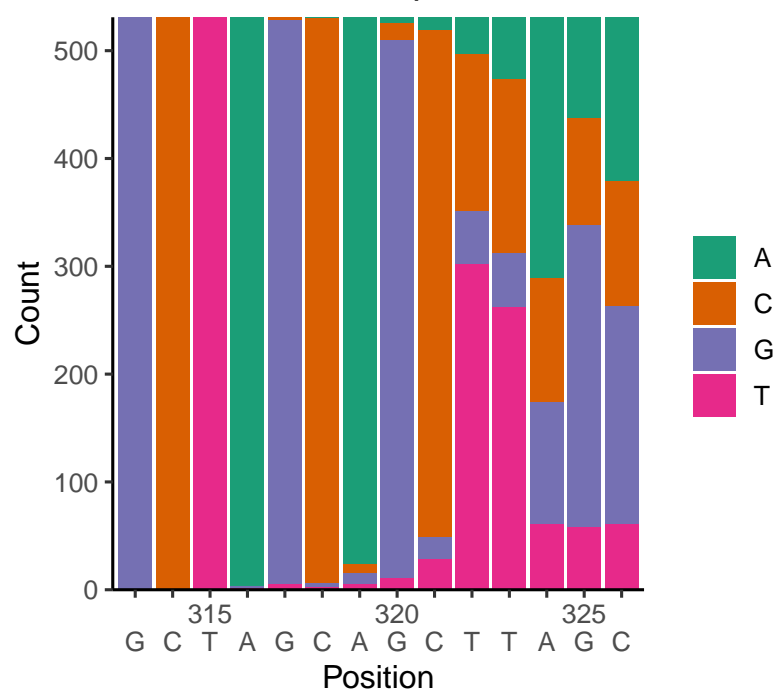


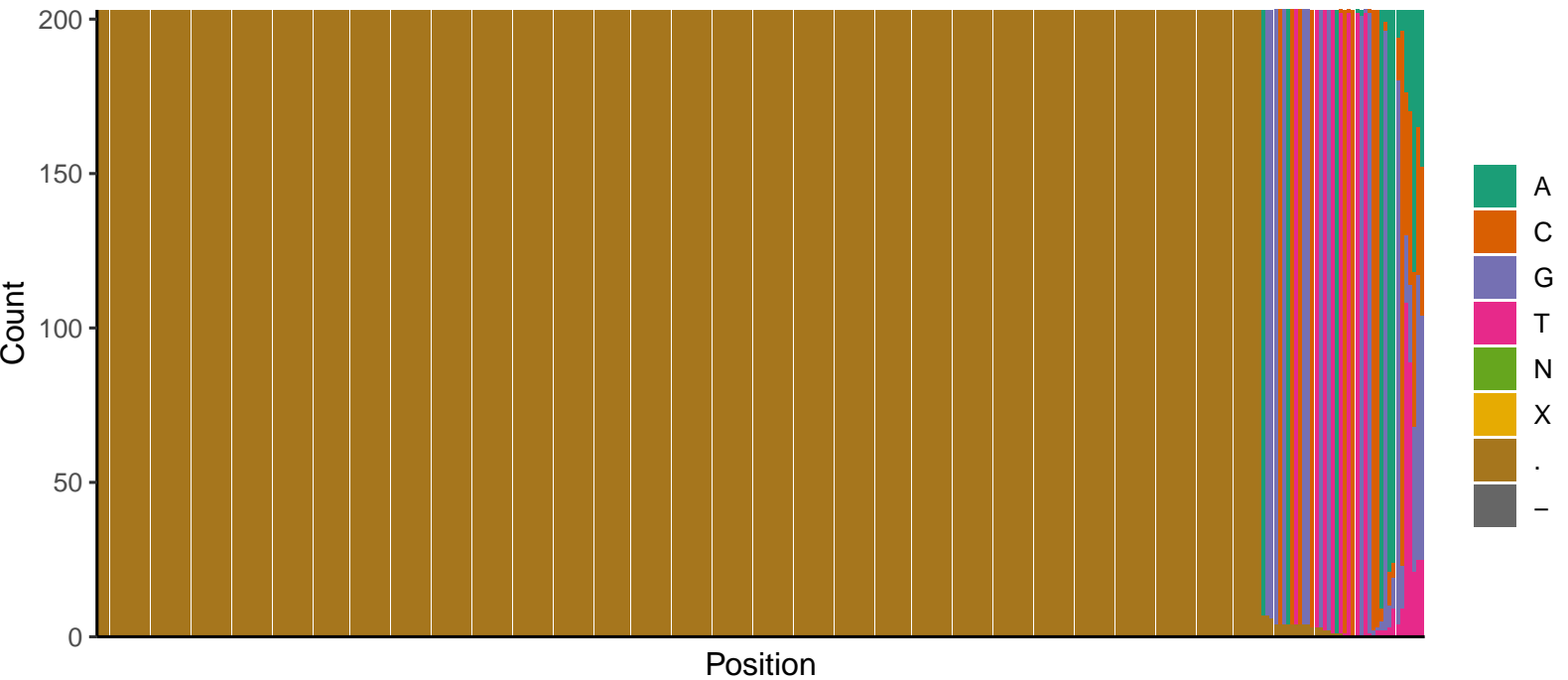
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



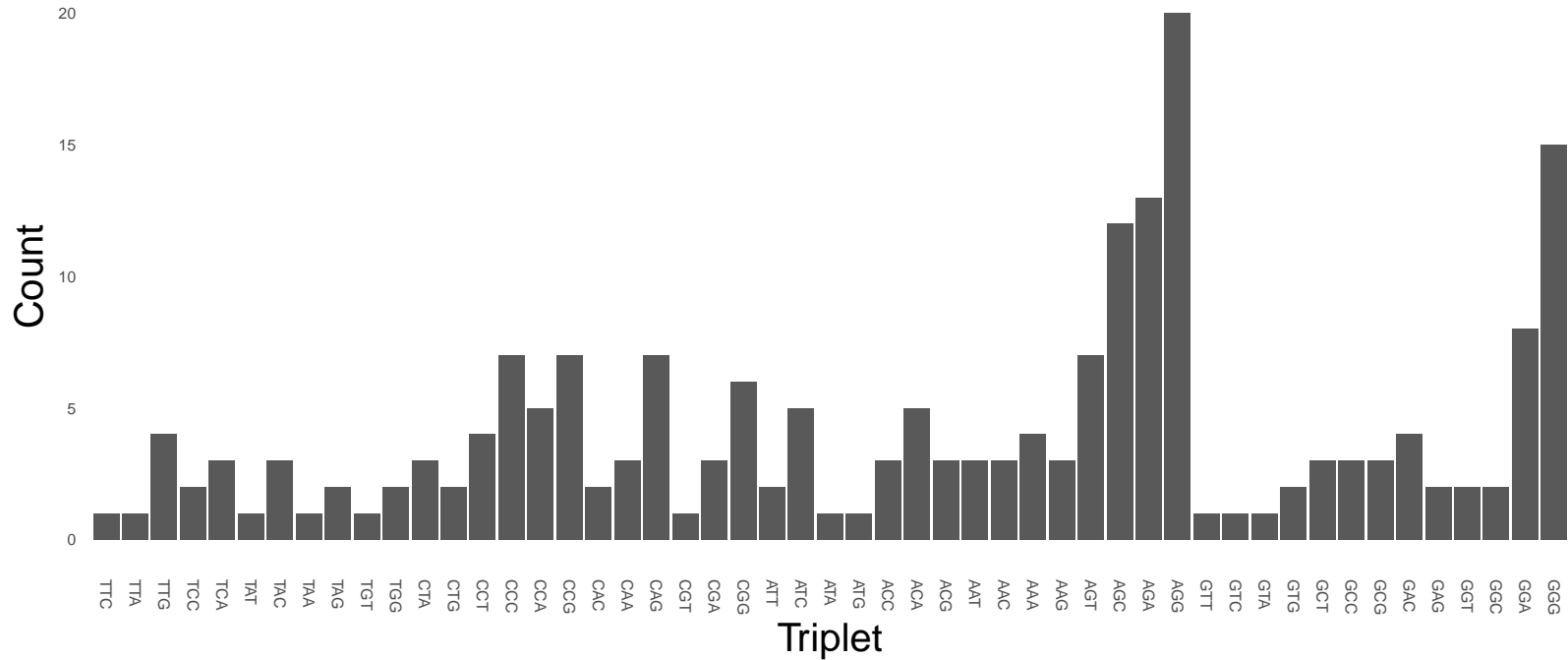
Gene TRBV7-1*ap01_G291C_T296C



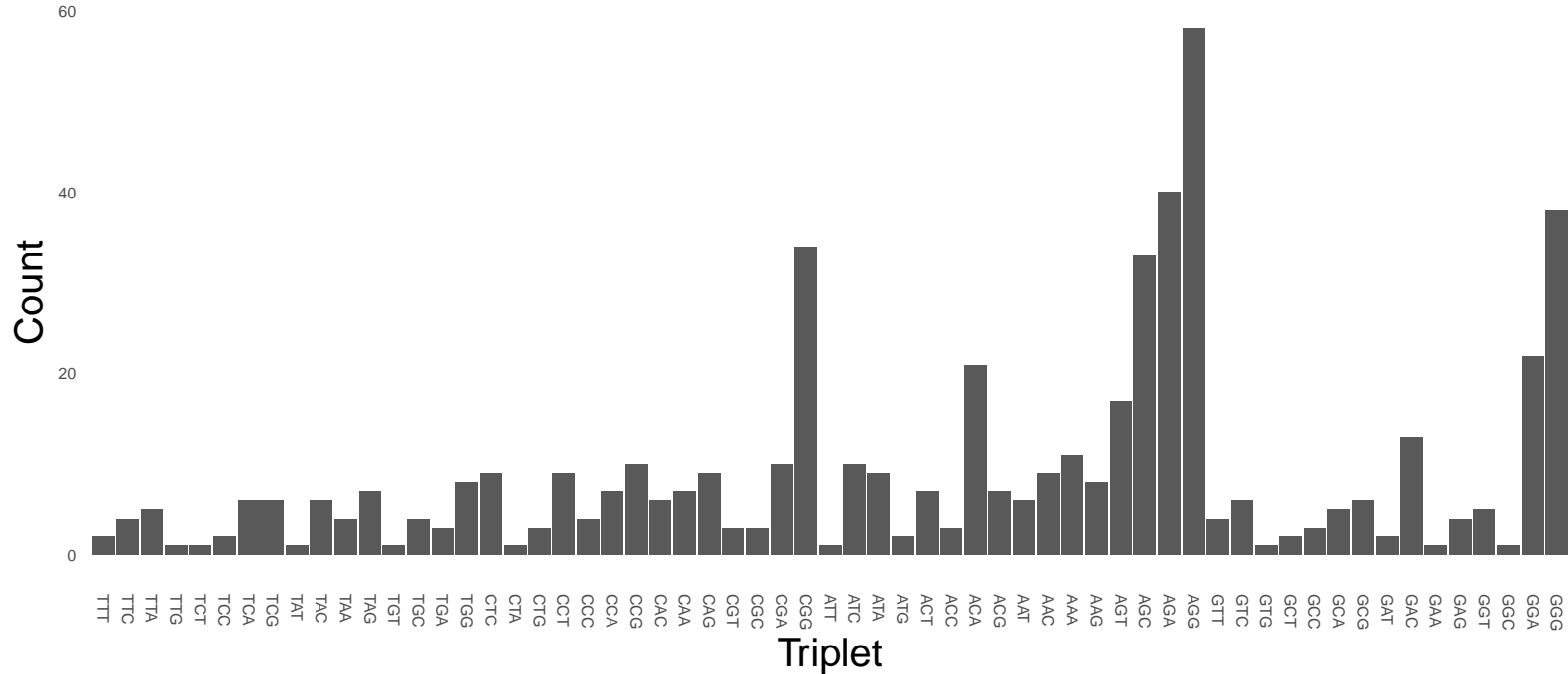
Gene TRBV7-7*ap01_C315T



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

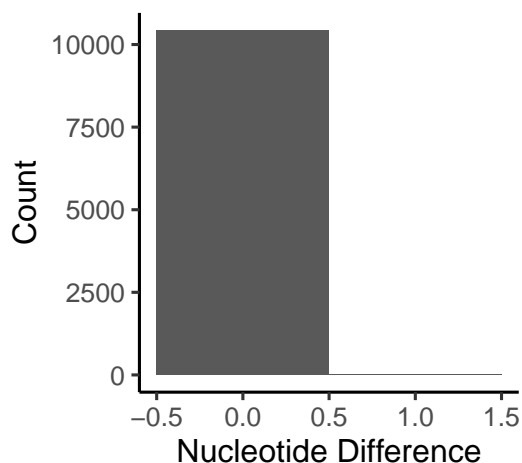


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



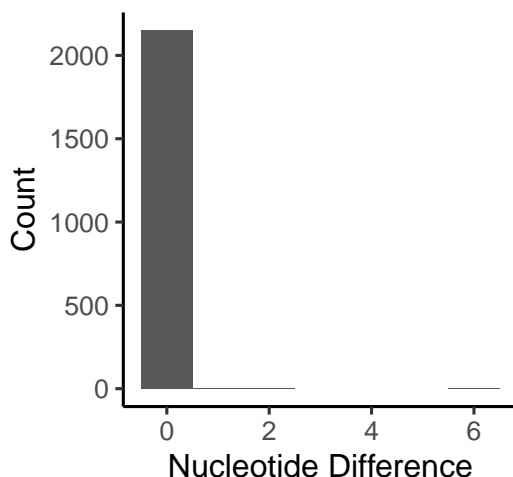
TRBV20-1*ap01

10459 sequences assigned
10435 (99.8%) exact matches, in which:
10422 unique CDR3
13 unique J



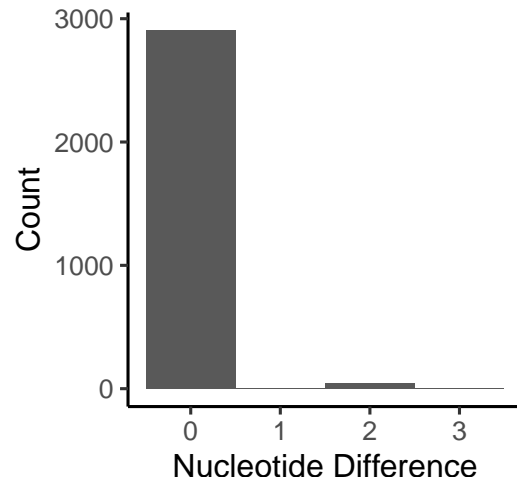
TRBV10-2*ap01

2156 sequences assigned
2150 (99.7%) exact matches, in which:
2148 unique CDR3
13 unique J



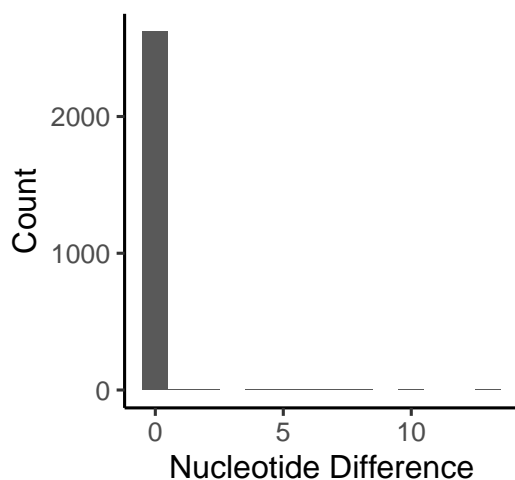
TRBV13*ap01

2958 sequences assigned
2905 (98.2%) exact matches, in which:
2901 unique CDR3
13 unique J



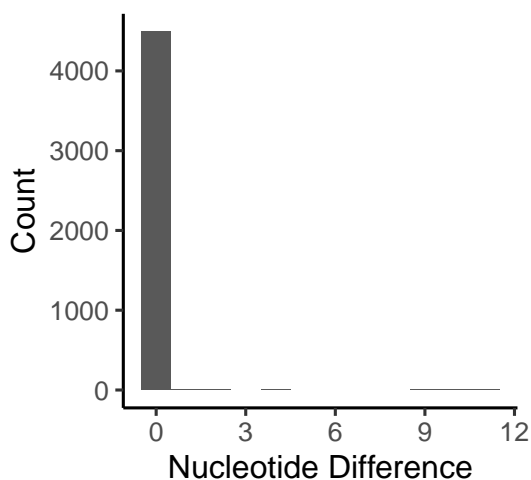
TRBV10-1*ap01

2636 sequences assigned
2620 (99.4%) exact matches, in which:
2619 unique CDR3
13 unique J



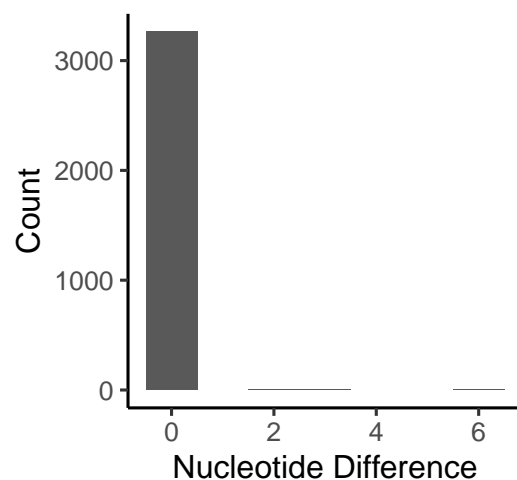
TRBV10-3*ap01

4501 sequences assigned
4491 (99.8%) exact matches, in which:
4488 unique CDR3
13 unique J



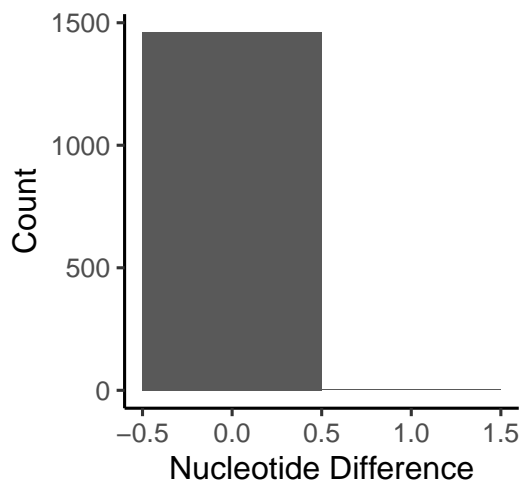
TRBV14*ap01

3268 sequences assigned
3263 (99.8%) exact matches, in which:
3263 unique CDR3
13 unique J



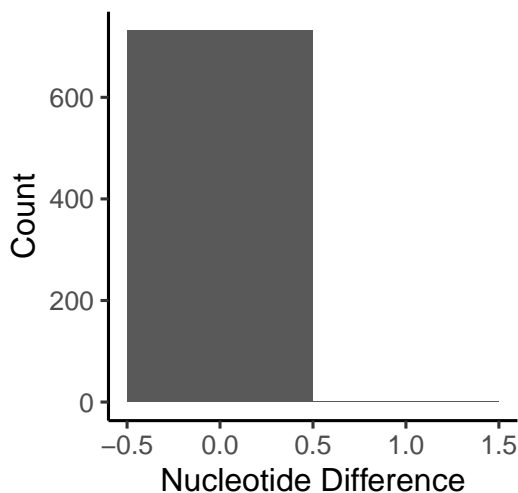
TRBV20-1*ap02

1466 sequences assigned
1462 (99.7%) exact matches, in which:
1459 unique CDR3
13 unique J



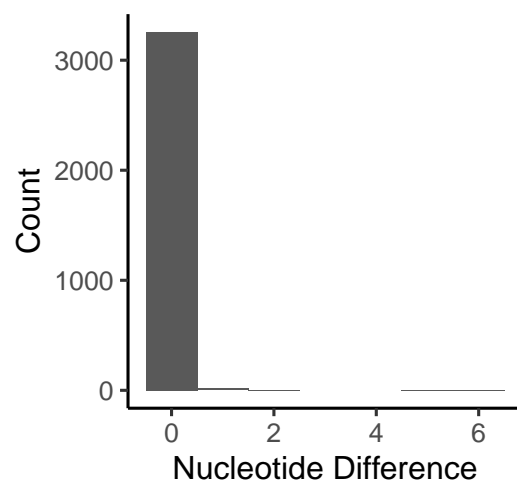
TRBV1*ap01

733 sequences assigned
732 (99.9%) exact matches, in which:
732 unique CDR3
13 unique J



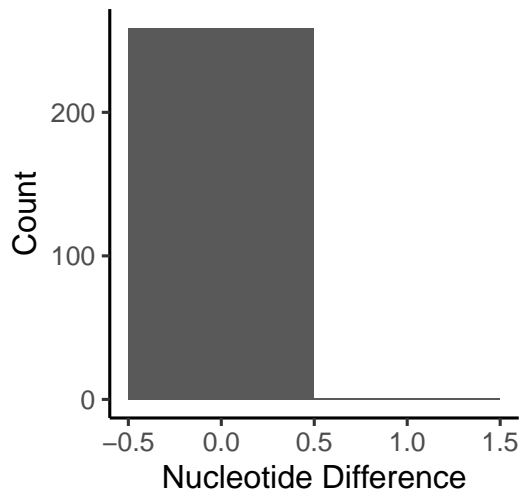
TRBV15*ap02

3275 sequences assigned
3256 (99.4%) exact matches, in which:
3255 unique CDR3
13 unique J



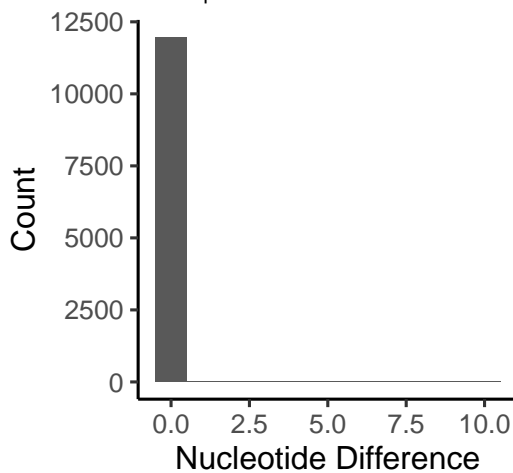
TRBV16*ap01

260 sequences assigned
259 (99.6%) exact matches, in which:
259 unique CDR3
13 unique J



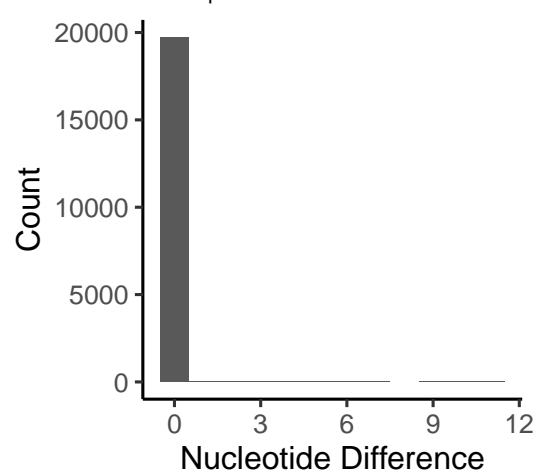
TRBV19*ap01

12010 sequences assigned
11968 (99.7%) exact matches, in which:
11968 unique CDR3
13 unique J



TRBV27*ap01

19810 sequences assigned
19735 (99.6%) exact matches, in which:
19674 unique CDR3
13 unique J



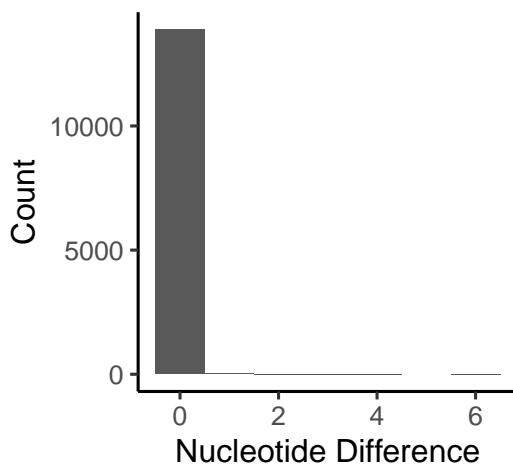
TRBV17*ap01

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



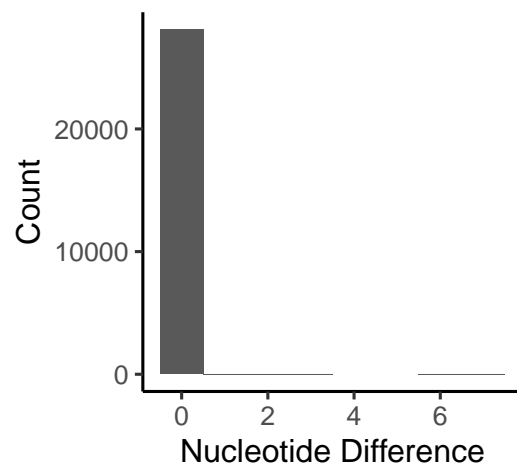
TRBV2*ap01

13939 sequences assigned
13886 (99.6%) exact matches, in which:
13846 unique CDR3
13 unique J



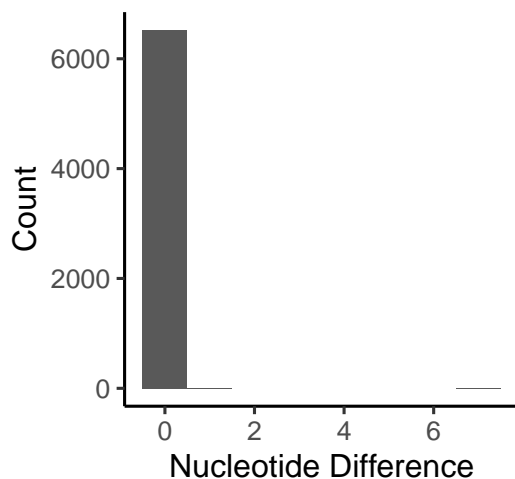
TRBV28*ap01

28162 sequences assigned
28111 (99.8%) exact matches, in which:
28102 unique CDR3
13 unique J



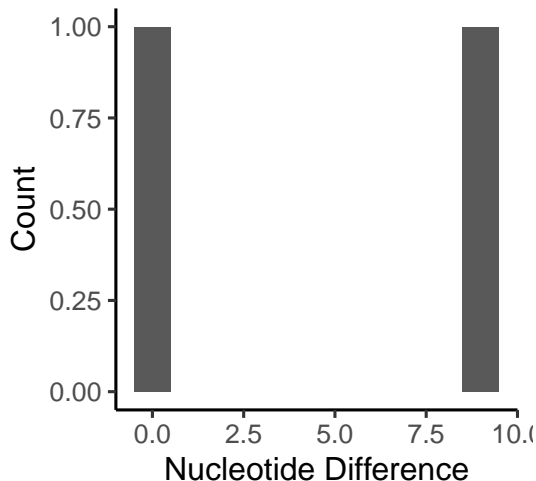
TRBV18*ap01

6532 sequences assigned
6523 (99.9%) exact matches, in which:
6522 unique CDR3
13 unique J



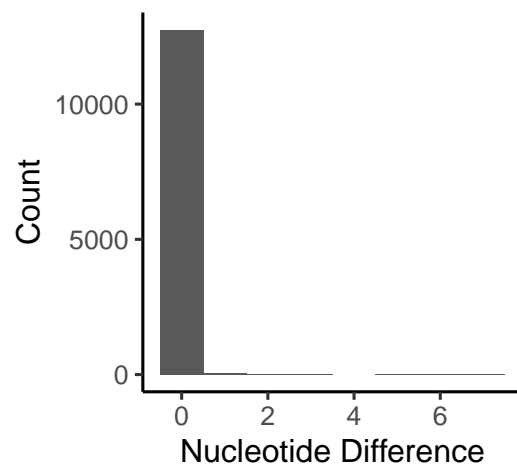
TRBV26*ap01

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



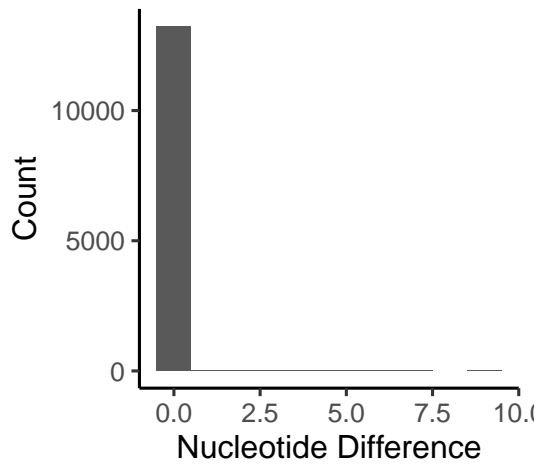
TRBV30*ap01

12823 sequences assigned
12748 (99.4%) exact matches, in which:
12719 unique CDR3
13 unique J



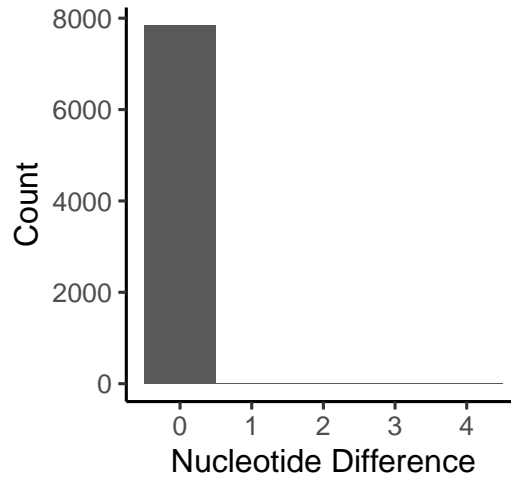
TRBV9*ap01

13272 sequences assigned
13242 (99.8%) exact matches, in which:
13225 unique CDR3
13 unique J



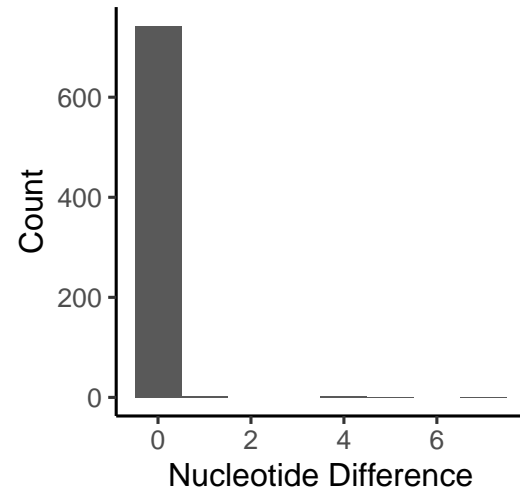
TRBV11-2*ap01

7855 sequences assigned
7842 (99.8%) exact matches, in which:
7841 unique CDR3
13 unique J



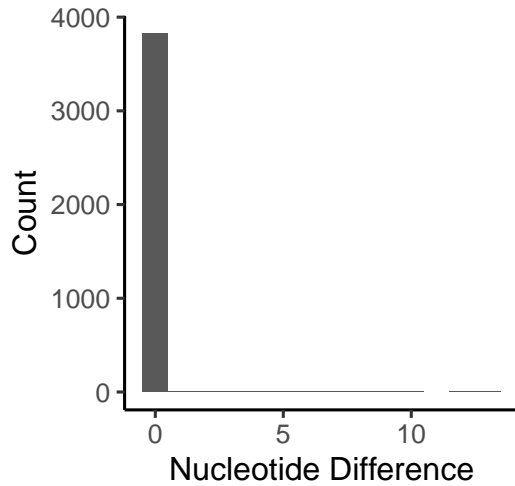
TRBV12-2*ap01

749 sequences assigned
743 (99.2%) exact matches, in which:
742 unique CDR3
13 unique J



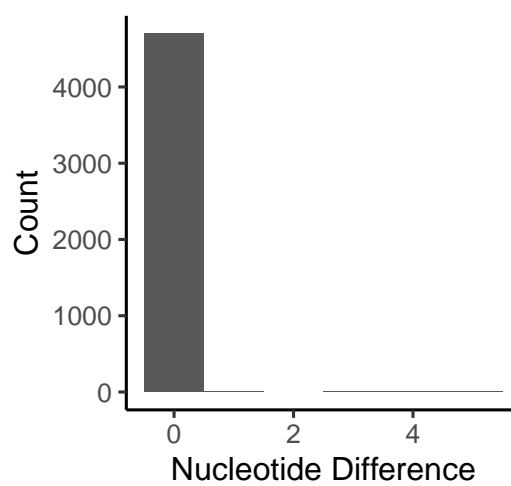
TRBV21-1*ap01

3860 sequences assigned
3823 (99%) exact matches, in which:
3823 unique CDR3
13 unique J



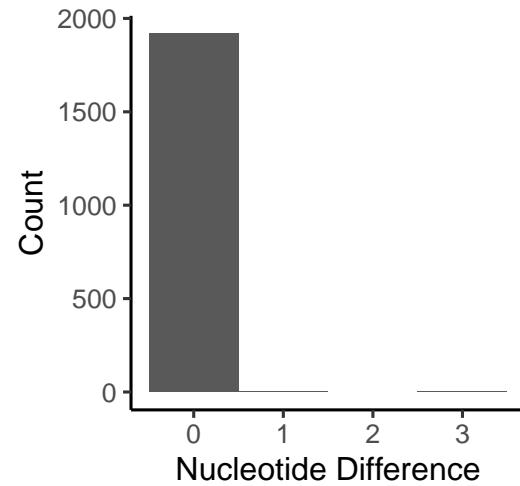
TRBV11-3*ap01

4709 sequences assigned
4698 (99.8%) exact matches, in which:
4698 unique CDR3
13 unique J



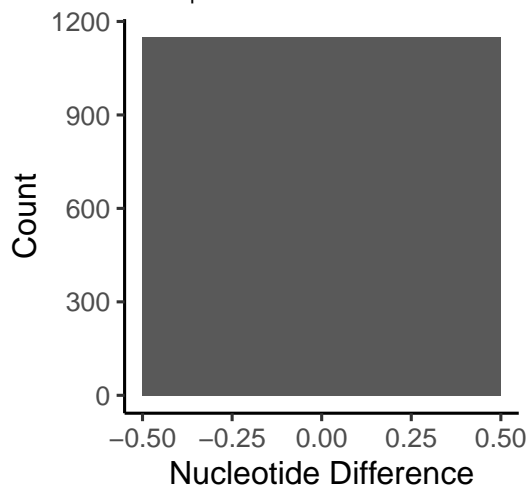
TRBV12-5*ap01

1923 sequences assigned
1918 (99.7%) exact matches, in which:
1918 unique CDR3
13 unique J



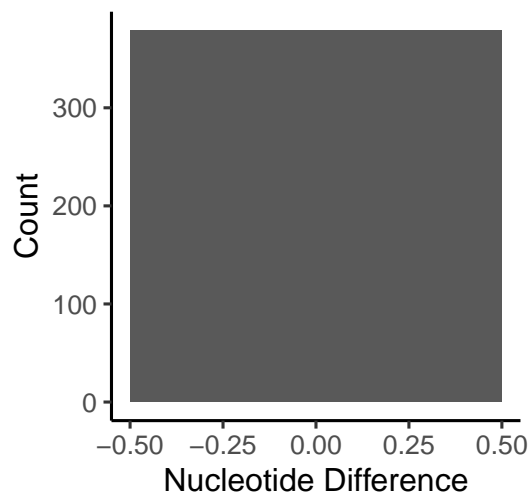
TRBV11-1*ap01

1150 sequences assigned
1150 (100%) exact matches, in which:
1150 unique CDR3
13 unique J



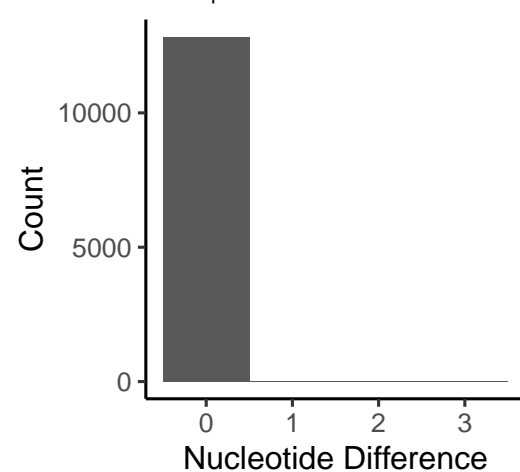
TRBV12-1*ap01

379 sequences assigned
379 (100%) exact matches, in which:
379 unique CDR3
13 unique J



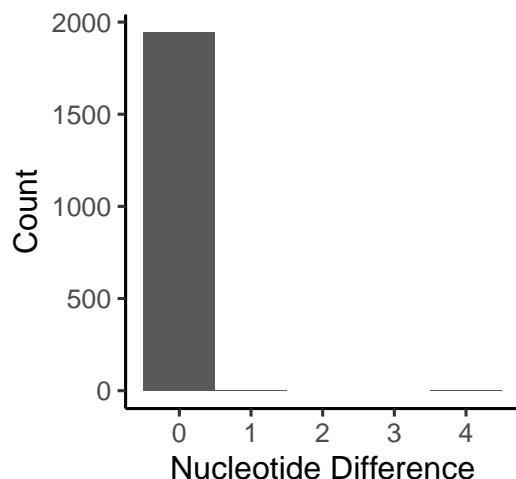
TRBV12-34*ap01

12865 sequences assigned
12832 (99.7%) exact matches, in which:
12827 unique CDR3
13 unique J



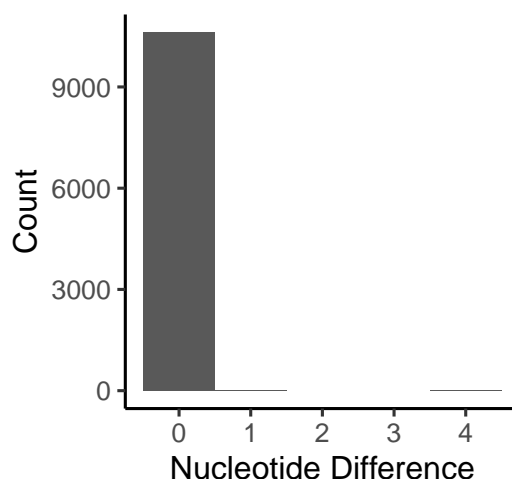
TRBV23-1*ap01

1953 sequences assigned
1944 (99.5%) exact matches, in which:
1944 unique CDR3
13 unique J



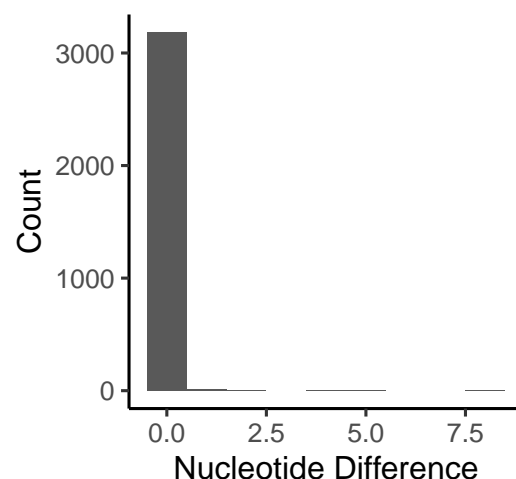
TRBV4-1*ap01

10634 sequences assigned
10616 (99.8%) exact matches, in which:
10610 unique CDR3
13 unique J



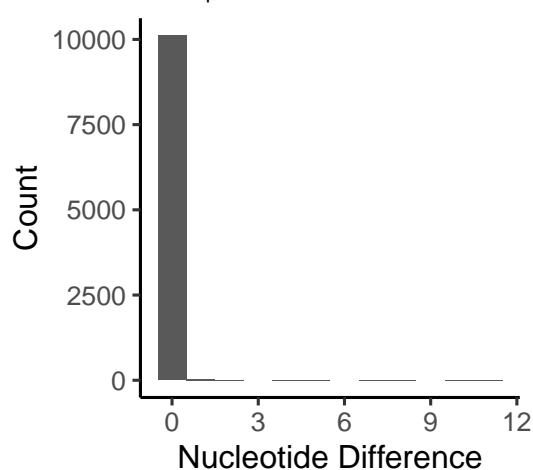
TRBV25-1*ap01

3198 sequences assigned
3183 (99.5%) exact matches, in which:
3175 unique CDR3
13 unique J



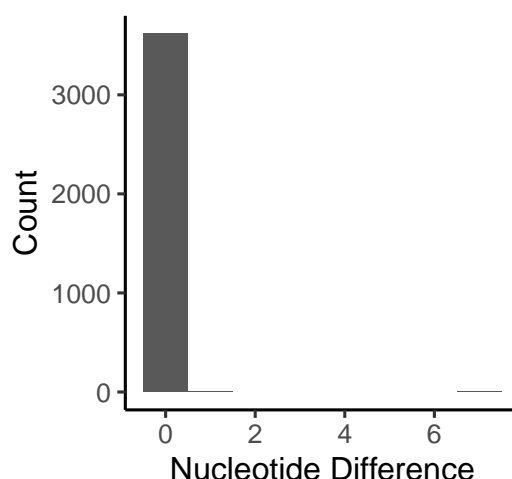
TRBV3-12*ap01

10173 sequences assigned
10116 (99.4%) exact matches, in which:
10078 unique CDR3
13 unique J



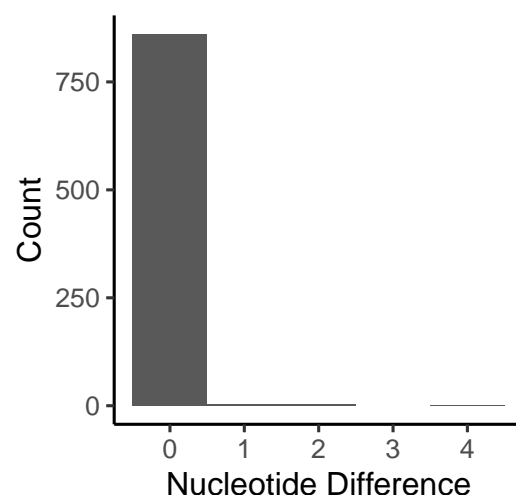
TRBV4-2*ap01

3627 sequences assigned
3617 (99.7%) exact matches, in which:
3617 unique CDR3
13 unique J



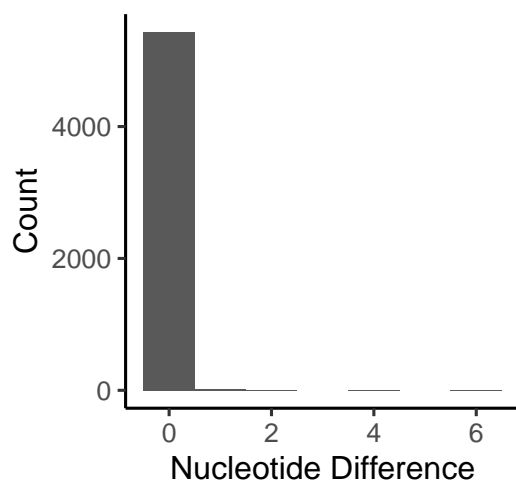
TRBV5-3*ap01

868 sequences assigned
861 (99.2%) exact matches, in which:
861 unique CDR3
13 unique J



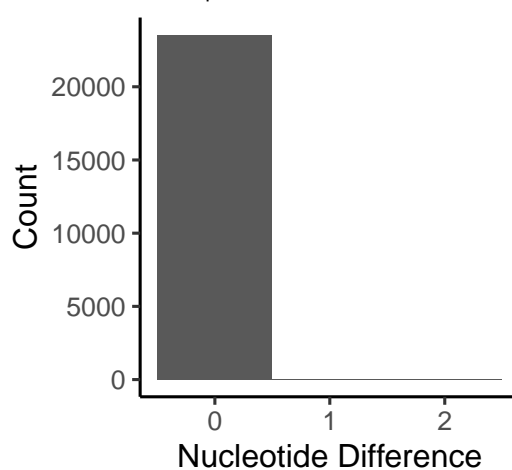
TRBV24-1*ap01

5460 sequences assigned
5433 (99.5%) exact matches, in which:
5419 unique CDR3
13 unique J



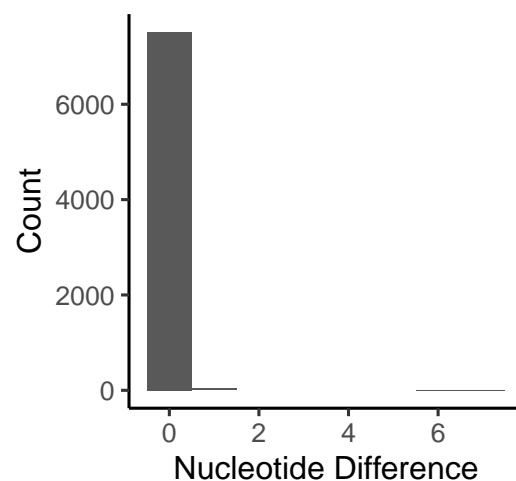
TRBV5-1*ap01

23578 sequences assigned
23551 (99.9%) exact matches, in which:
23506 unique CDR3
13 unique J



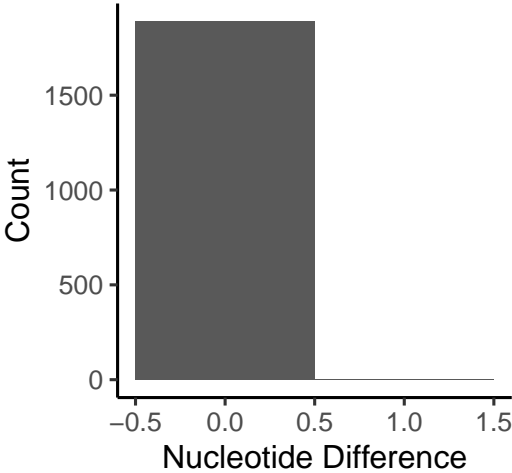
TRBV5-4*ap01

7558 sequences assigned
7515 (99.4%) exact matches, in which:
7509 unique CDR3
13 unique J



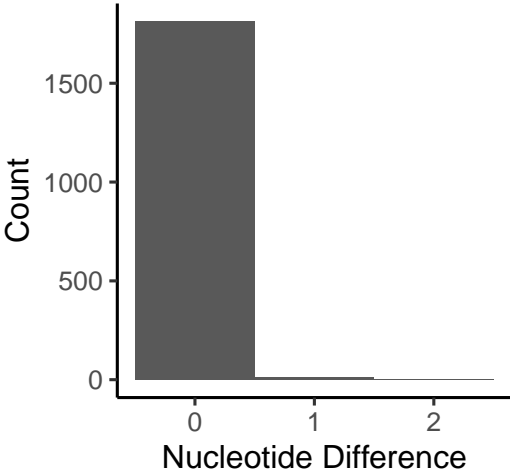
TRBV5-5*ap01

1891 sequences assigned
1889 (99.9%) exact matches, in which:
1885 unique CDR3
13 unique J



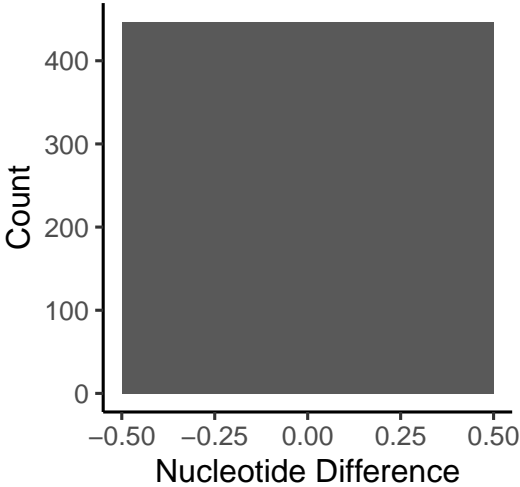
TRBV5-8*ap01

1827 sequences assigned
1813 (99.2%) exact matches, in which:
1812 unique CDR3
13 unique J



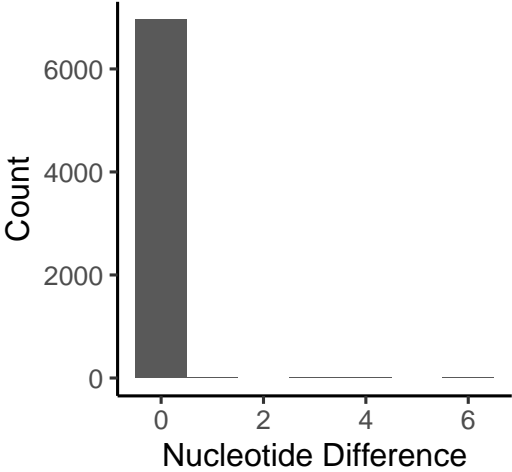
TRBV6-7*ap01

447 sequences assigned
447 (100%) exact matches, in which:
447 unique CDR3
13 unique J



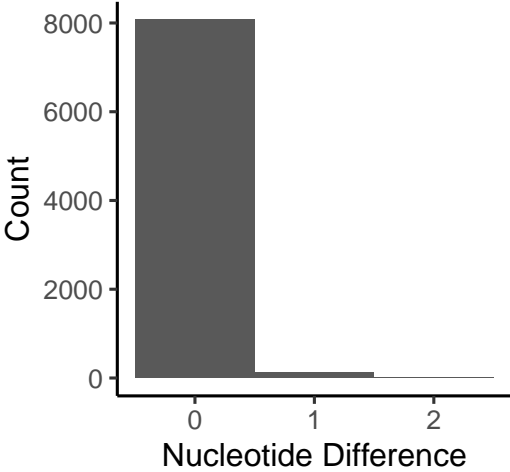
TRBV5-6*ap01

6974 sequences assigned
6955 (99.7%) exact matches, in which:
6943 unique CDR3
13 unique J



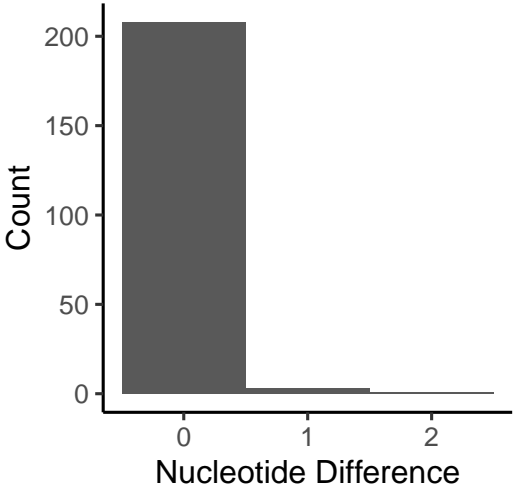
TRBV6-1*ap01

8198 sequences assigned
8073 (98.5%) exact matches, in which:
8055 unique CDR3
13 unique J



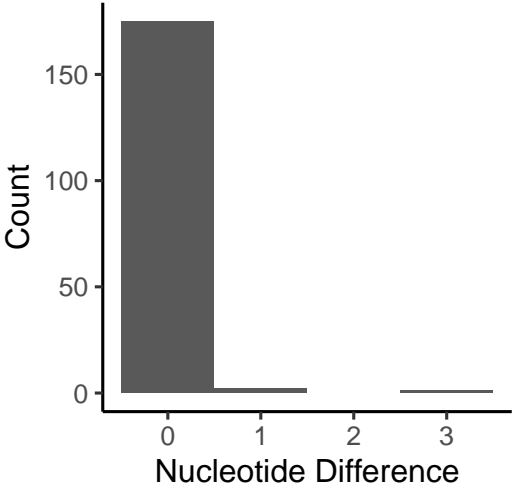
TRBV6-8*ap01

212 sequences assigned
208 (98.1%) exact matches, in which:
208 unique CDR3
13 unique J



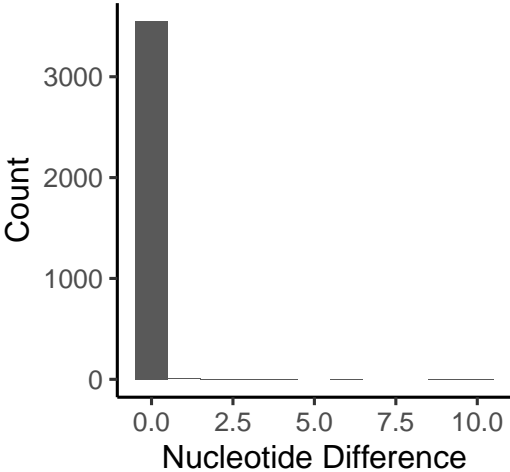
TRBV5-7*ap01

178 sequences assigned
175 (98.3%) exact matches, in which:
174 unique CDR3
13 unique J



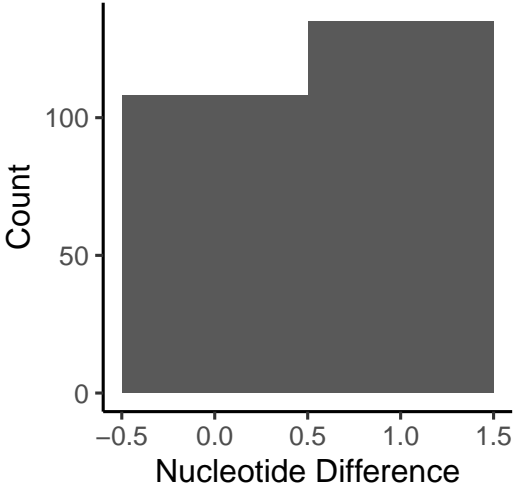
TRBV6-4*ap01

3574 sequences assigned
3552 (99.4%) exact matches, in which:
3548 unique CDR3
13 unique J



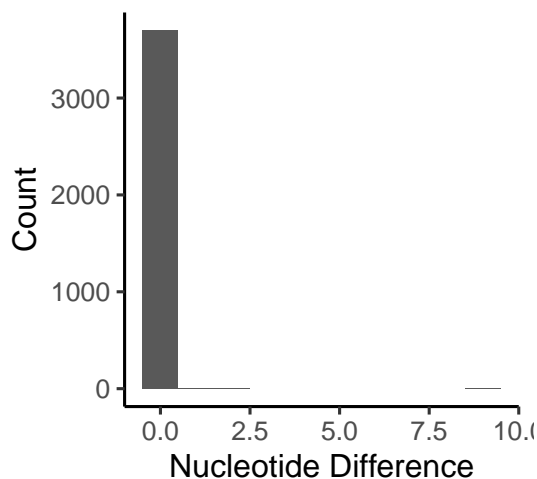
TRBV6-9*ap01

243 sequences assigned
108 (44.4%) exact matches, in which:
108 unique CDR3
12 unique J



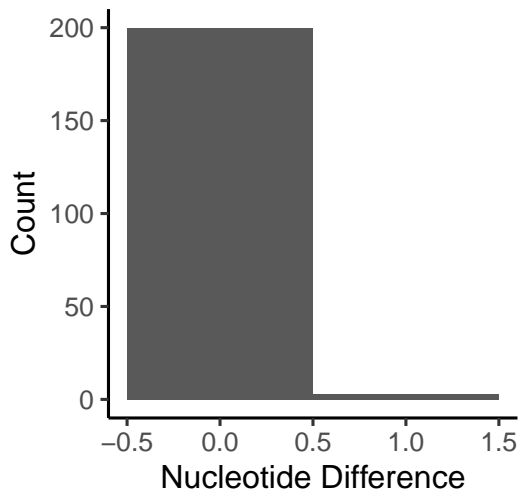
TRBV6-23*ap01

3707 sequences assigned
3698 (99.8%) exact matches, in which:
3693 unique CDR3
13 unique J



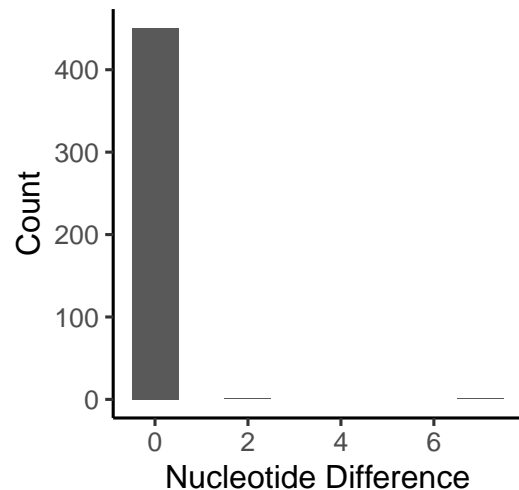
TRBV7-1*ap01_G291C_

203 sequences assigned
200 (98.5%) exact matches, in which:
200 unique CDR3
13 unique J



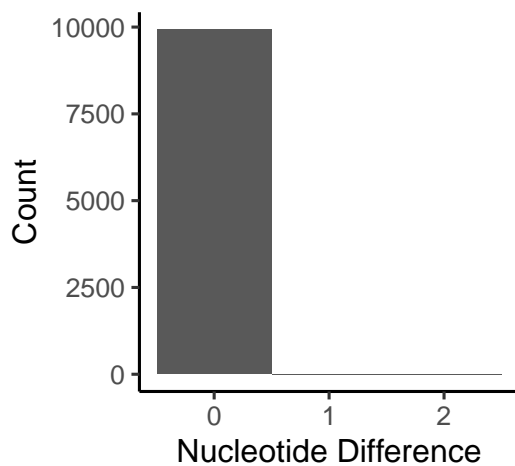
TRBV7-4*ap01

453 sequences assigned
451 (99.6%) exact matches, in which:
451 unique CDR3
13 unique J



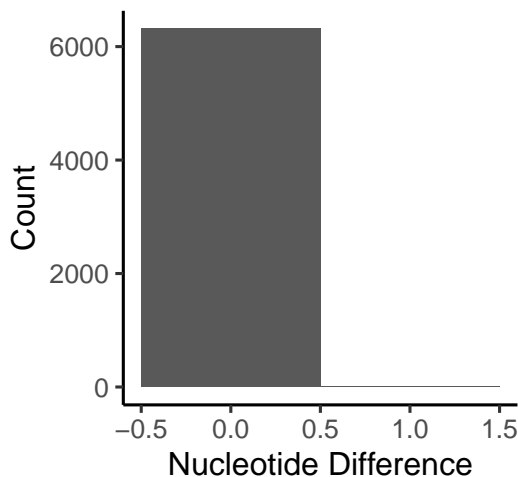
TRBV6-56*ap01

9945 sequences assigned
9931 (99.9%) exact matches, in which:
9920 unique CDR3
13 unique J



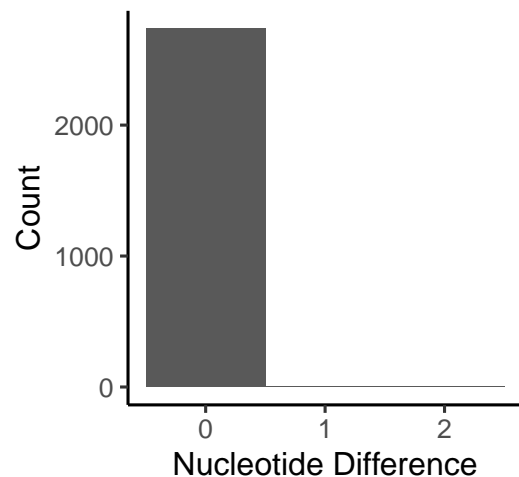
TRBV7-2*ap01

6320 sequences assigned
6315 (99.9%) exact matches, in which:
6314 unique CDR3
13 unique J



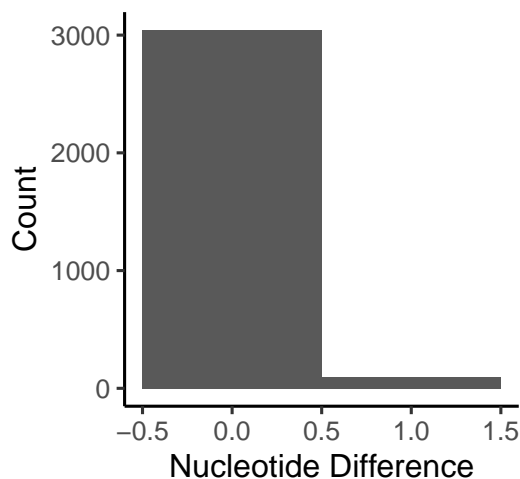
TRBV7-6*ap01

2742 sequences assigned
2736 (99.8%) exact matches, in which:
2736 unique CDR3
13 unique J



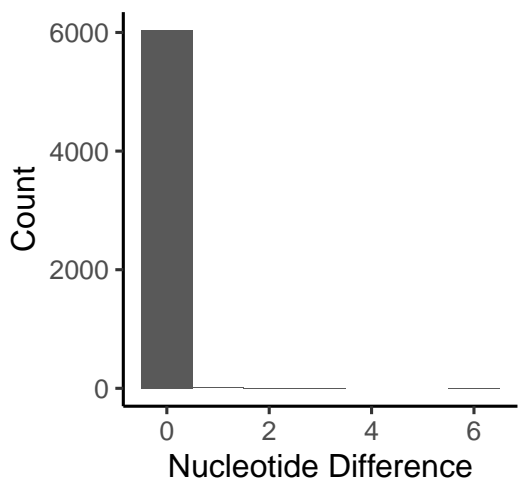
TRBV6-56*ap02

3138 sequences assigned
3043 (97%) exact matches, in which:
3038 unique CDR3
13 unique J



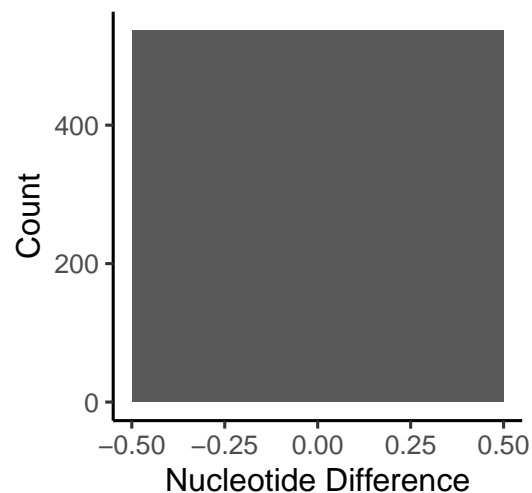
TRBV7-3*ap01

6058 sequences assigned
6041 (99.7%) exact matches, in which:
6036 unique CDR3
13 unique J



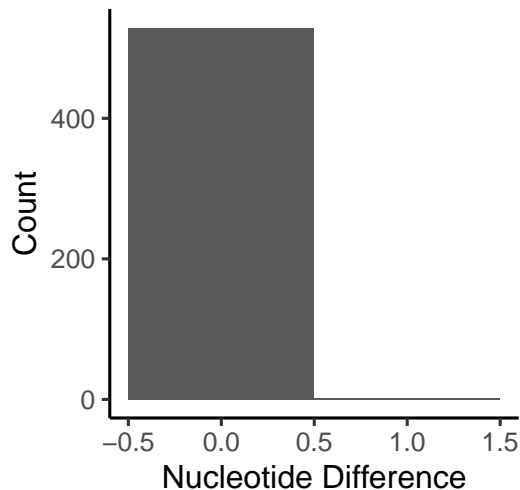
TRBV7-7*ap01

537 sequences assigned
537 (100%) exact matches, in which:
537 unique CDR3
12 unique J



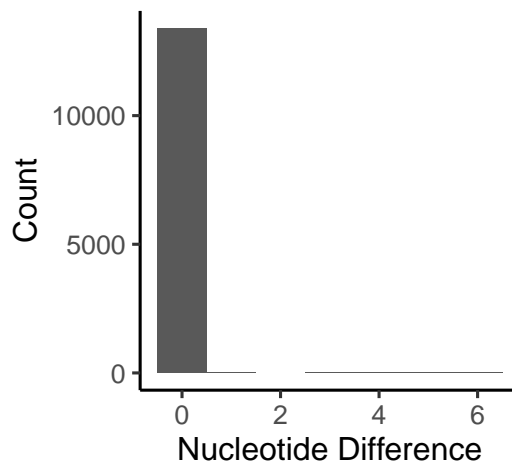
TRBV7-7*ap01_C315T

531 sequences assigned
529 (99.6%) exact matches, in which:
529 unique CDR3
13 unique J



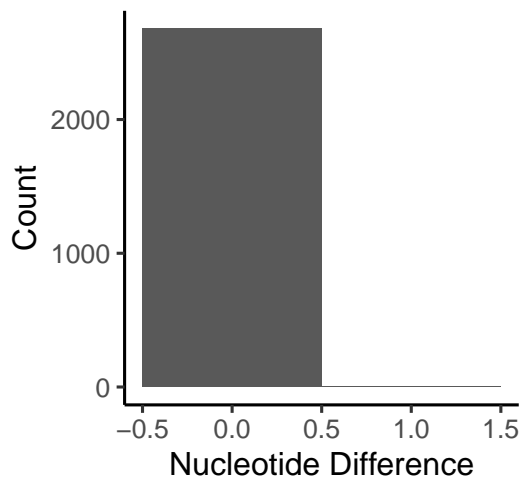
TRBV7-9*ap01

13420 sequences assigned
13399 (99.8%) exact matches, in which:
13396 unique CDR3
13 unique J



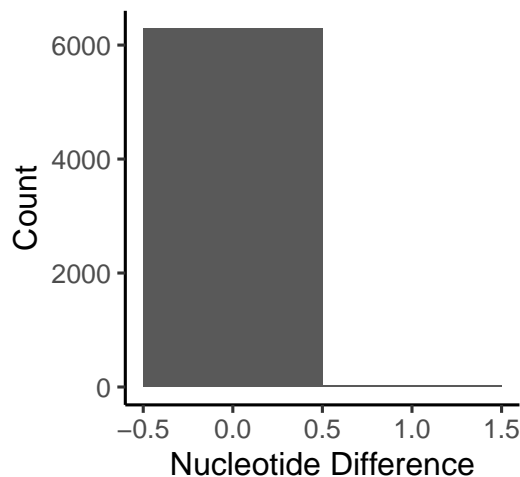
TRBV7-8*ap01

2681 sequences assigned
2679 (99.9%) exact matches, in which:
2679 unique CDR3
13 unique J



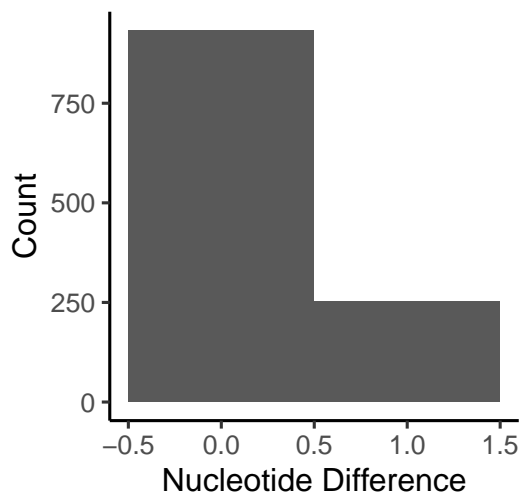
TRBV29-1*ap01

6313 sequences assigned
6287 (99.6%) exact matches, in which:
6279 unique CDR3
13 unique J



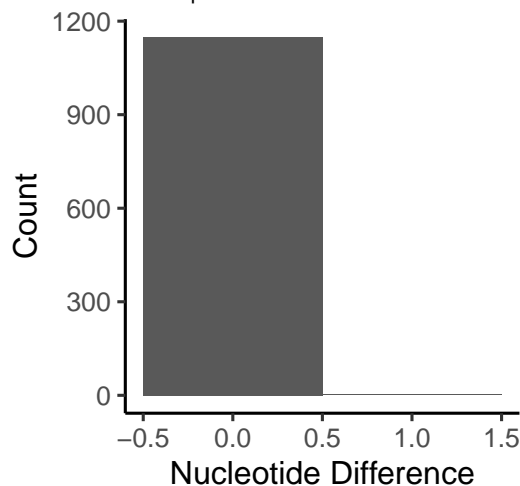
TRBV7-8*ap03

1185 sequences assigned
933 (78.7%) exact matches, in which:
932 unique CDR3
13 unique J

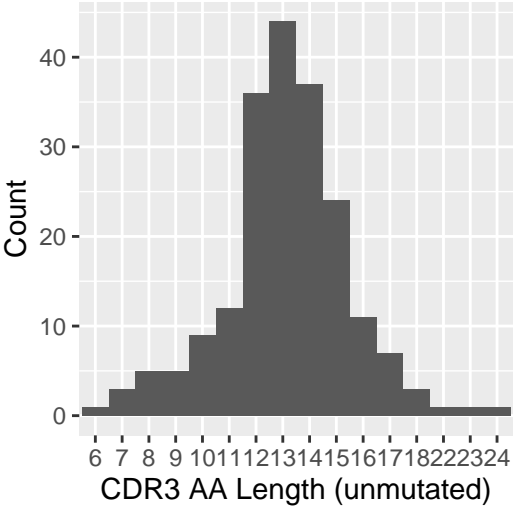


TRBV29-1*ap02

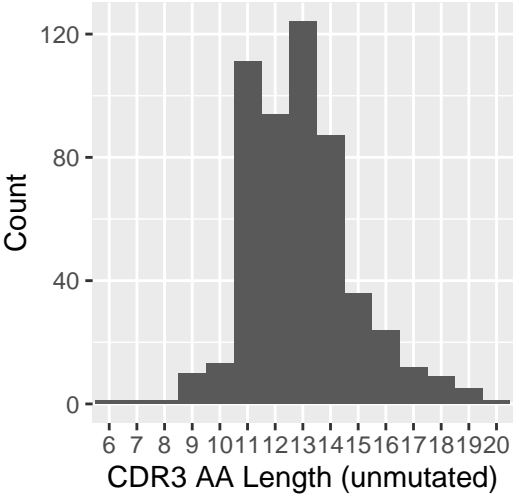
1152 sequences assigned
1149 (99.7%) exact matches, in which:
1148 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]