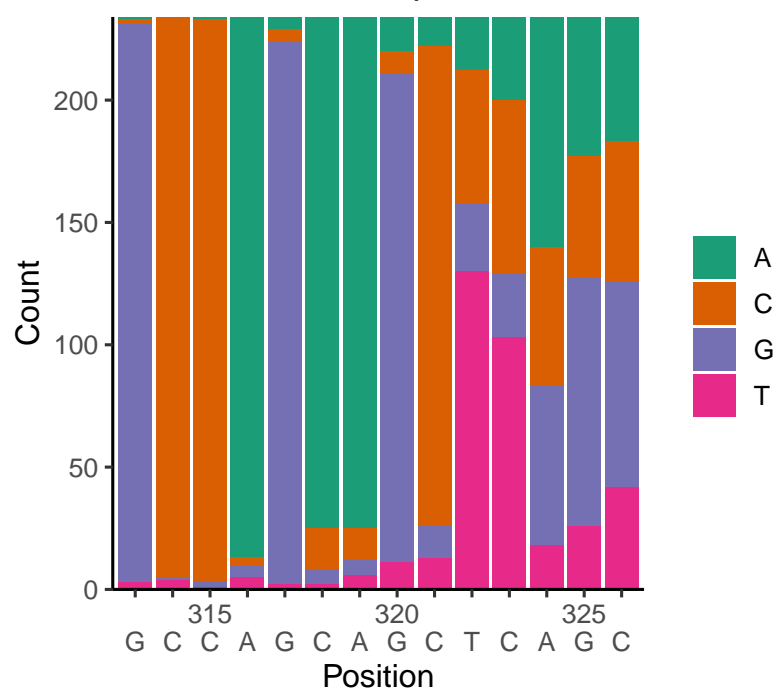
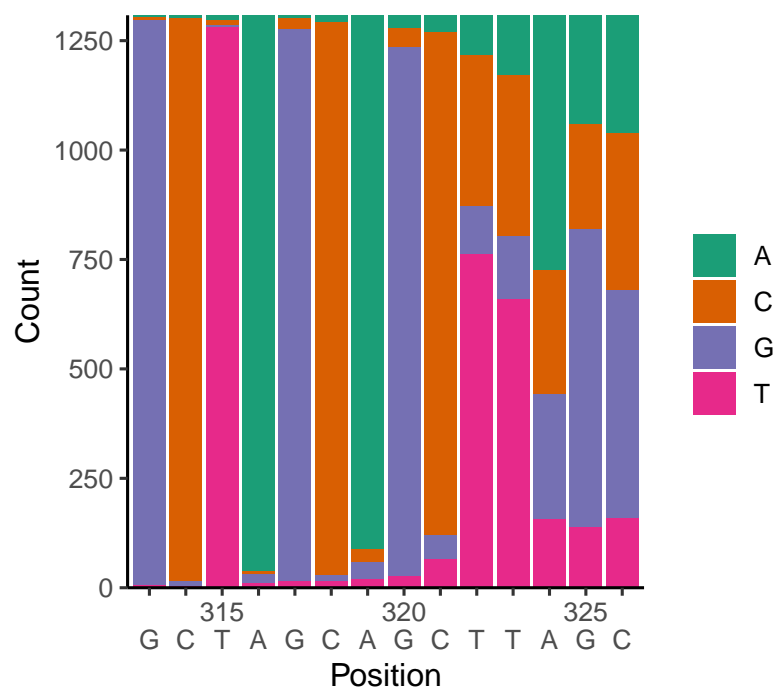


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



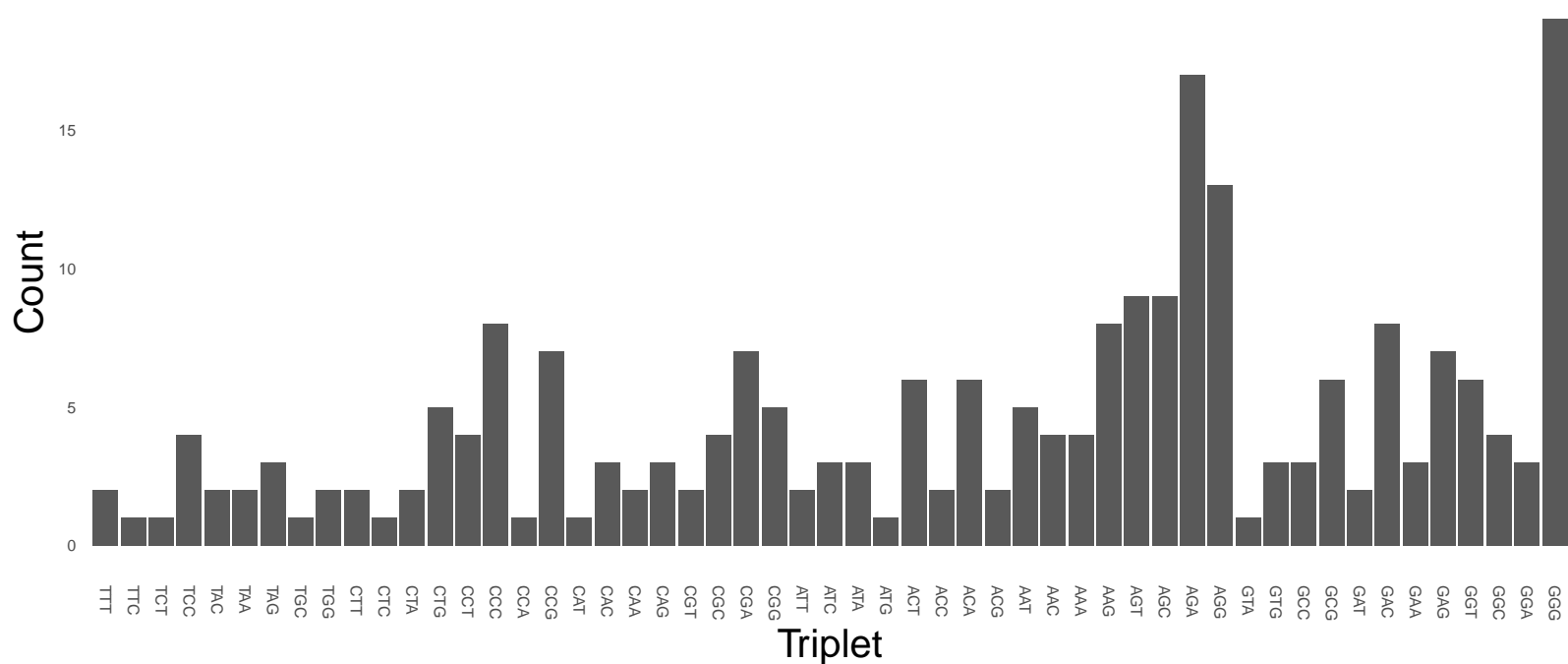
Gene TRBV7-1*ap01_G291C_T296C



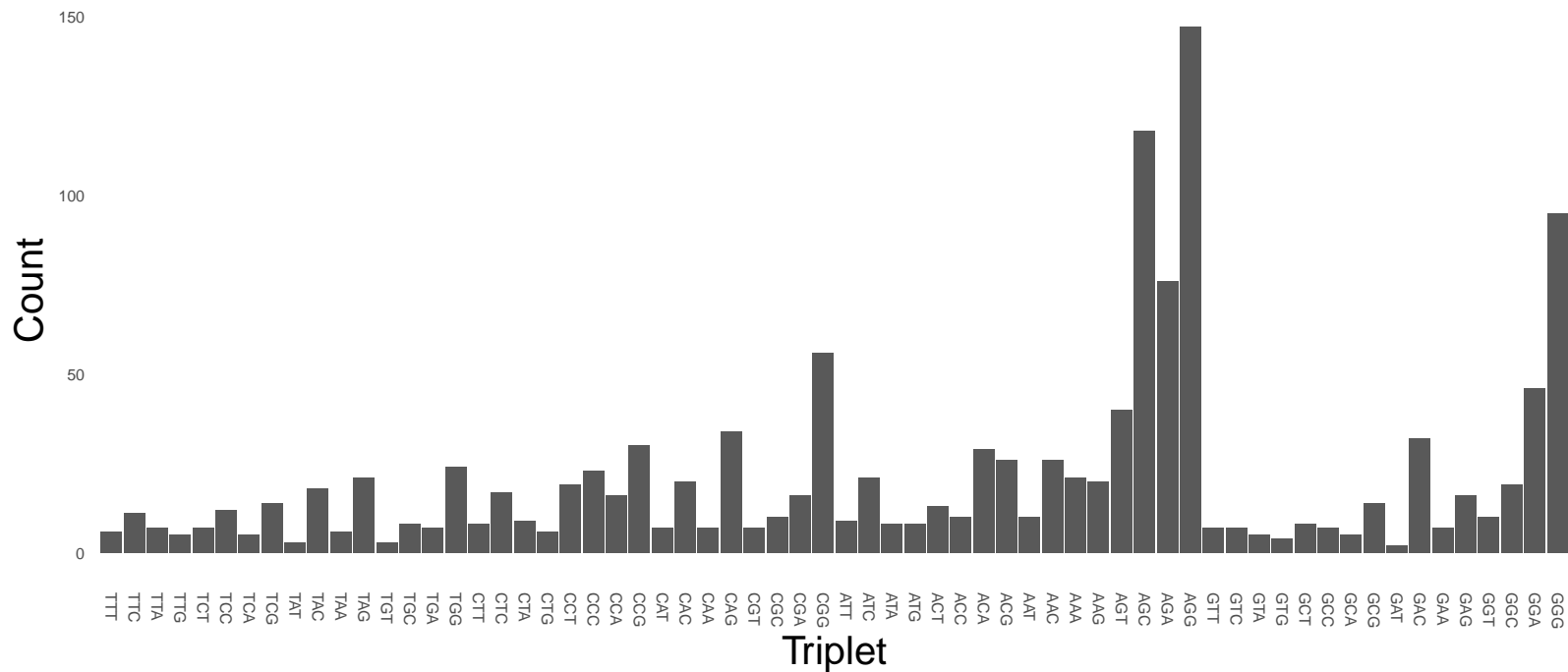
Gene TRBV7-7*ap01_C315T



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

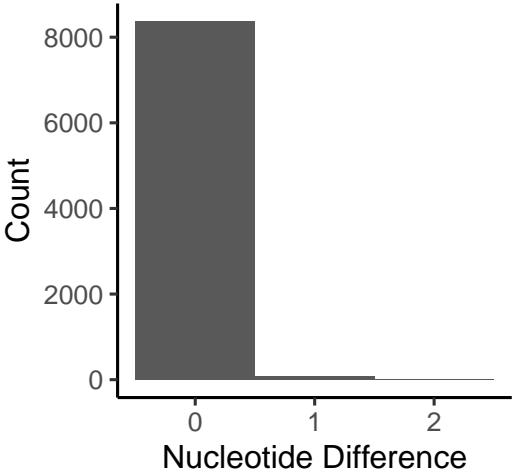


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



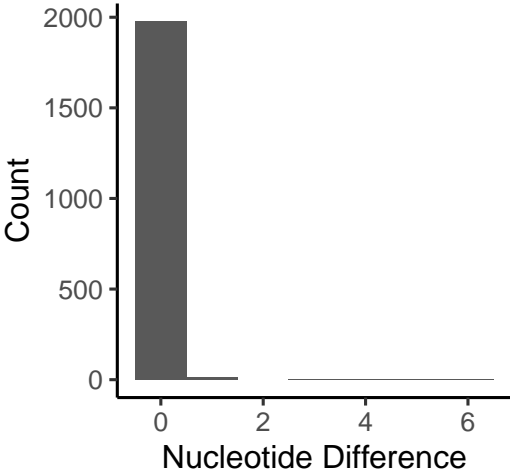
TRBV20-1*ap01

8447 sequences assigned
8369 (99.1%) exact matches, in which:
8270 unique CDR3
13 unique J



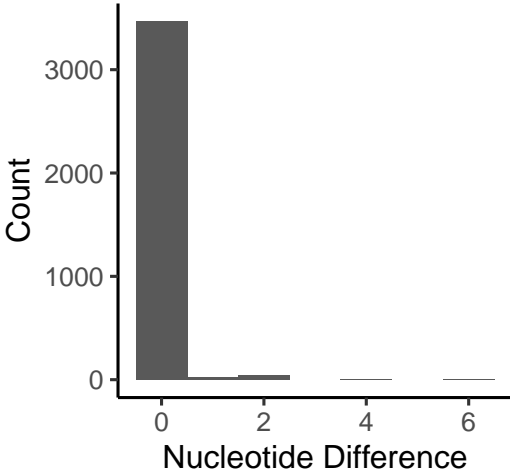
TRBV10-2*ap01

1993 sequences assigned
1977 (99.2%) exact matches, in which:
1957 unique CDR3
13 unique J



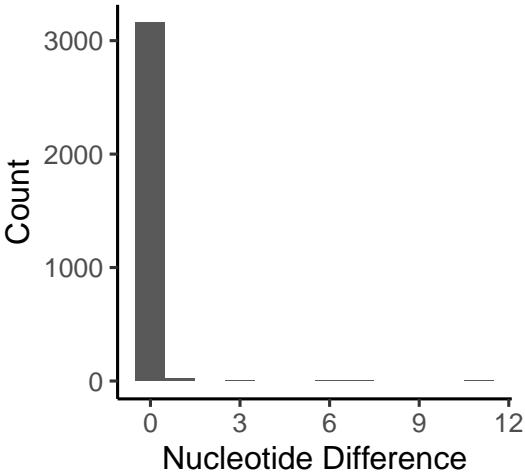
TRBV13*ap01

3537 sequences assigned
3467 (98%) exact matches, in which:
3384 unique CDR3
13 unique J



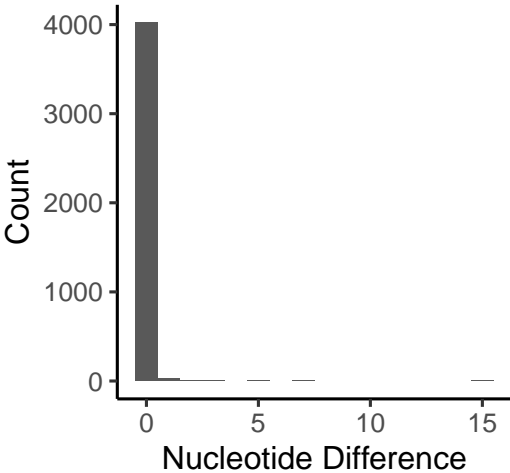
TRBV10-1*ap01

3189 sequences assigned
3158 (99%) exact matches, in which:
3098 unique CDR3
13 unique J



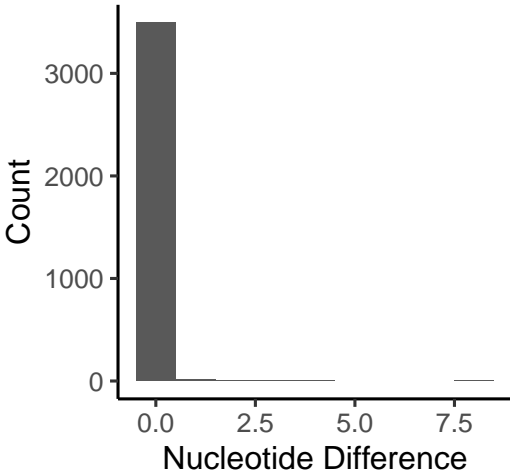
TRBV10-3*ap01

4057 sequences assigned
4021 (99.1%) exact matches, in which:
3944 unique CDR3
13 unique J



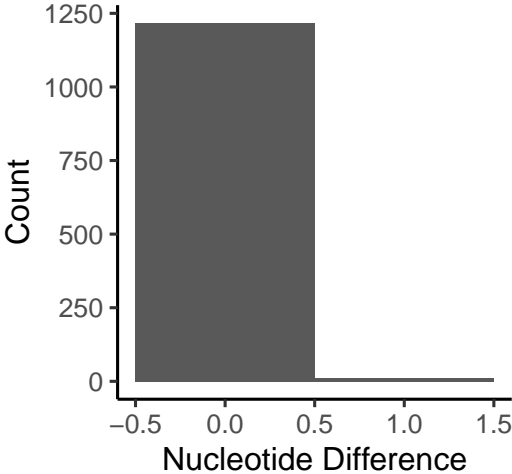
TRBV14*ap01

3516 sequences assigned
3494 (99.4%) exact matches, in which:
3444 unique CDR3
13 unique J



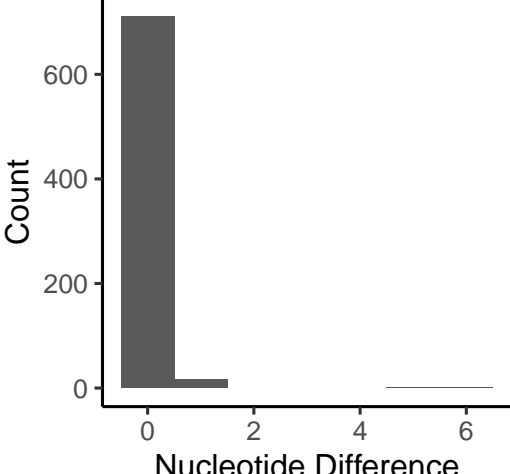
TRBV20-1*ap02

1228 sequences assigned
1217 (99.1%) exact matches, in which:
1204 unique CDR3
13 unique J



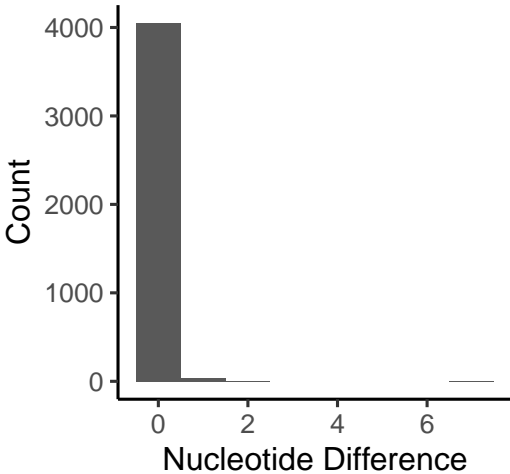
TRBV1*ap01

730 sequences assigned
711 (97.4%) exact matches, in which:
698 unique CDR3
13 unique J



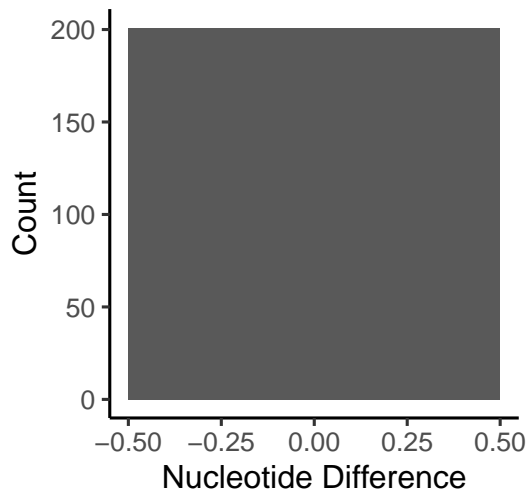
TRBV15*ap02

4090 sequences assigned
4050 (99%) exact matches, in which:
3982 unique CDR3
13 unique J



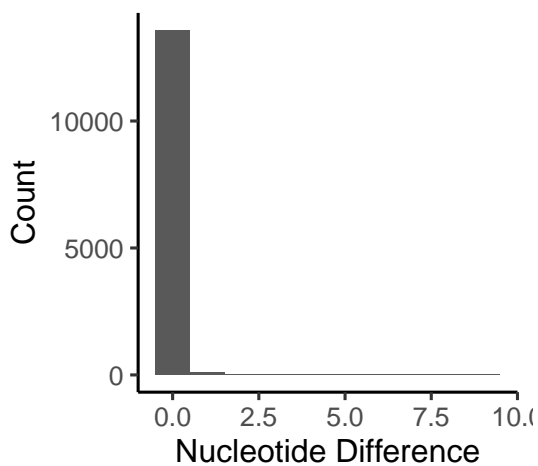
TRBV16*ap01

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



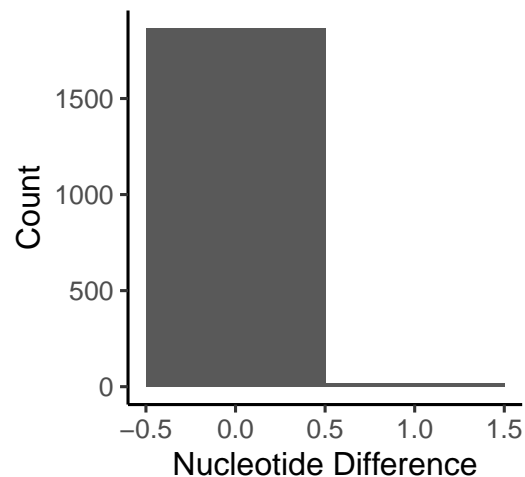
TRBV19*ap01

13691 sequences assigned
13579 (99.2%) exact matches, in which:
13481 unique CDR3
13 unique J



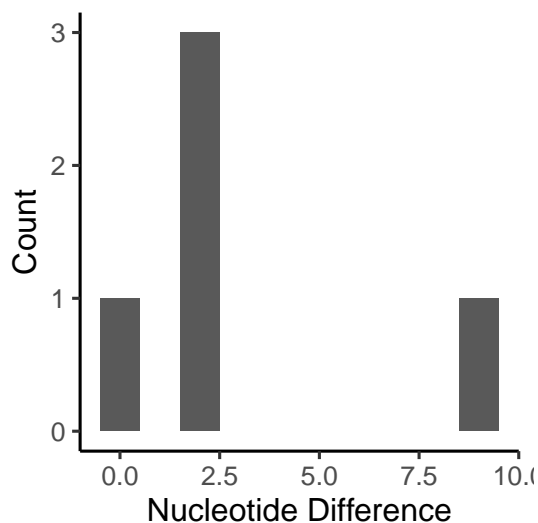
TRBV28*ap01

1882 sequences assigned
1865 (99.1%) exact matches, in which:
1843 unique CDR3
13 unique J



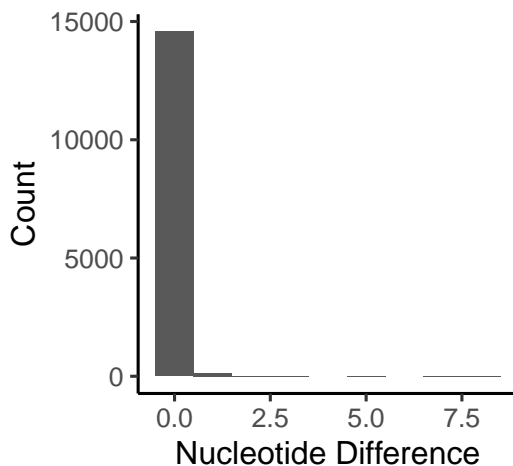
TRBV17*ap01

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



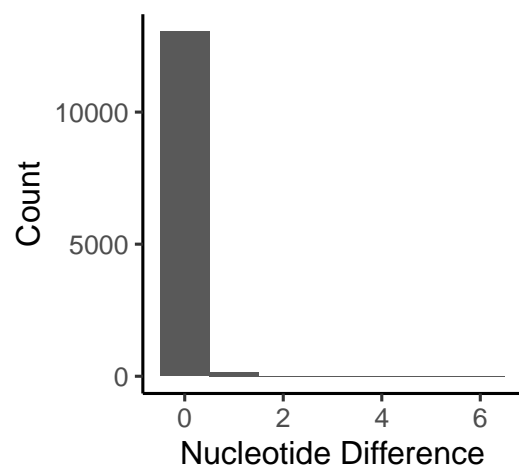
TRBV2*ap01

14744 sequences assigned
14579 (98.9%) exact matches, in which:
14284 unique CDR3
13 unique J



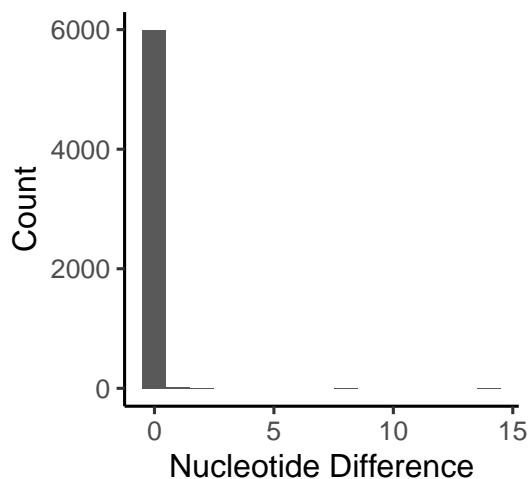
TRBV30*ap01

13231 sequences assigned
13052 (98.6%) exact matches, in which:
12816 unique CDR3
13 unique J



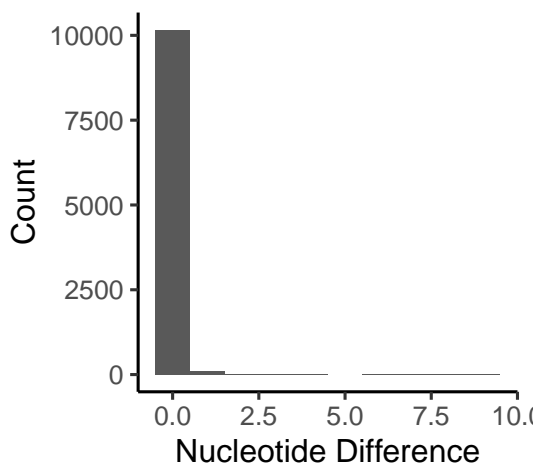
TRBV18*ap01

6013 sequences assigned
5993 (99.7%) exact matches, in which:
5960 unique CDR3
13 unique J



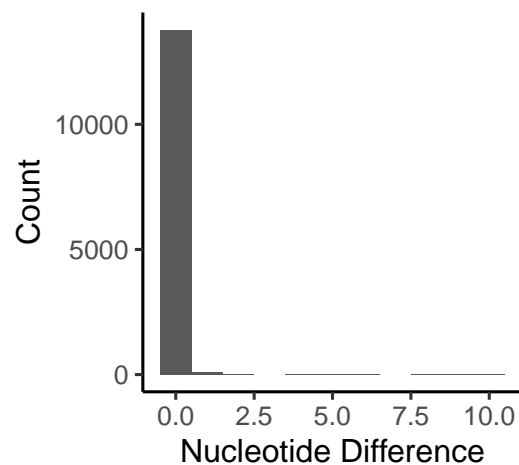
TRBV27*ap01

10272 sequences assigned
10164 (98.9%) exact matches, in which:
9955 unique CDR3
13 unique J



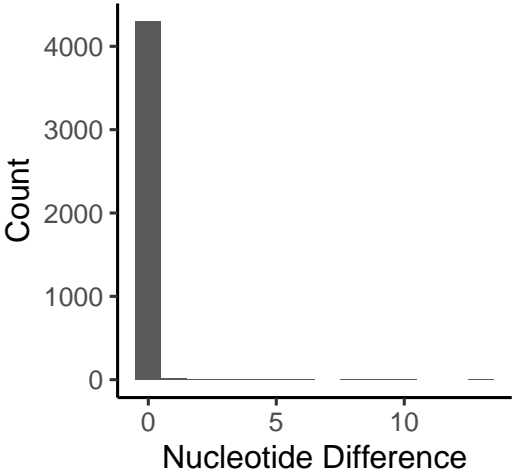
TRBV9*ap01

13873 sequences assigned
13778 (99.3%) exact matches, in which:
13609 unique CDR3
13 unique J



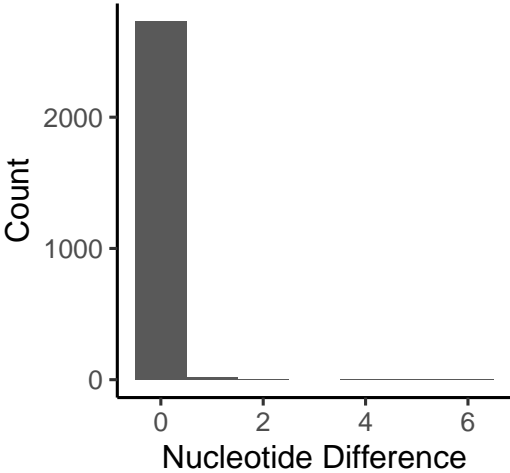
TRBV21-1*ap01

4358 sequences assigned
4299 (98.6%) exact matches, in which:
4264 unique CDR3
13 unique J



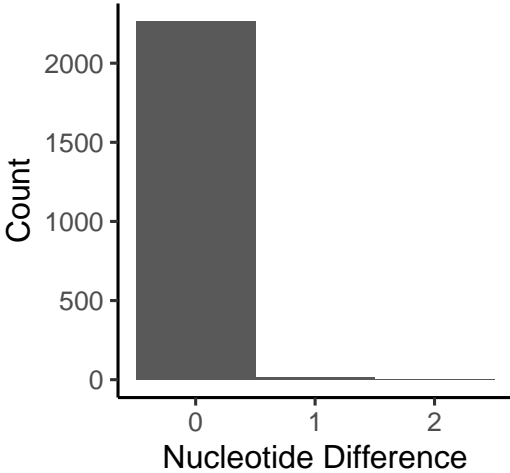
TRBV11-3*ap01

2756 sequences assigned
2730 (99.1%) exact matches, in which:
2707 unique CDR3
13 unique J



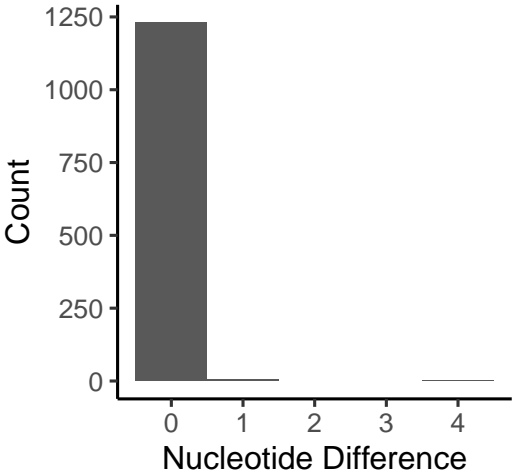
TRBV12-5*ap01

2282 sequences assigned
2264 (99.2%) exact matches, in which:
2233 unique CDR3
13 unique J



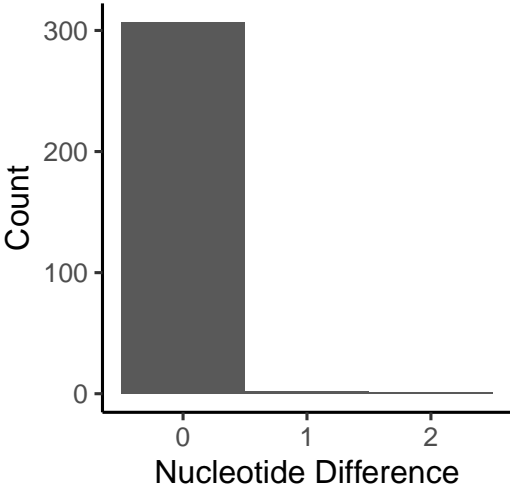
TRBV11-1*ap01

1236 sequences assigned
1230 (99.5%) exact matches, in which:
1219 unique CDR3
13 unique J



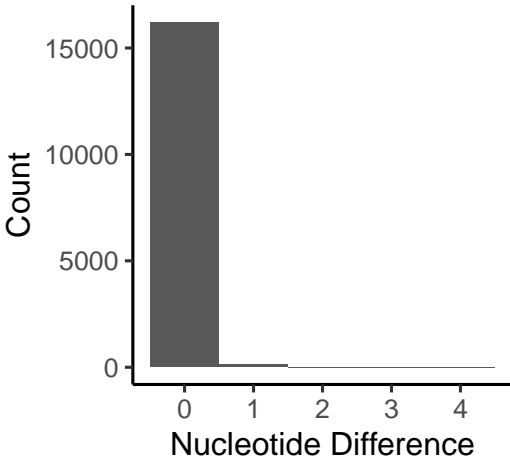
TRBV12-1*ap01

310 sequences assigned
307 (99%) exact matches, in which:
306 unique CDR3
13 unique J



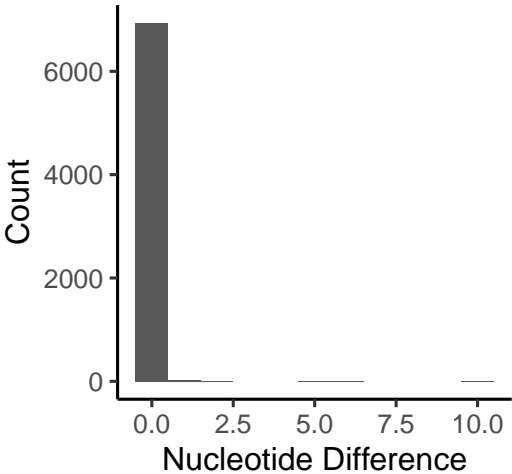
TRBV12-34*ap01

16332 sequences assigned
16200 (99.2%) exact matches, in which:
15943 unique CDR3
14 unique J



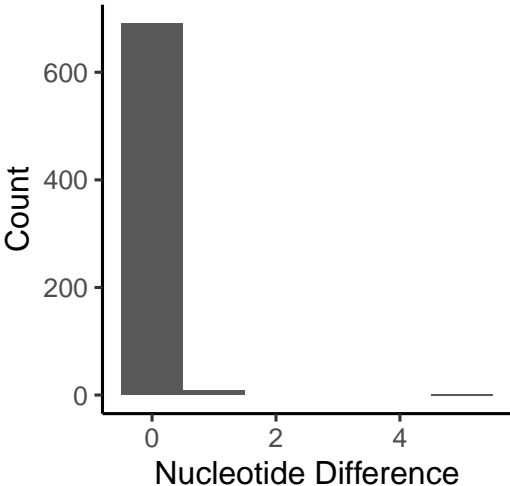
TRBV11-2*ap01

6966 sequences assigned
6934 (99.5%) exact matches, in which:
6870 unique CDR3
13 unique J



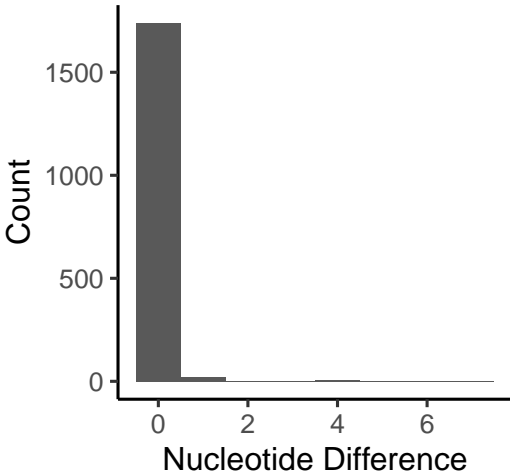
TRBV12-2*ap01

701 sequences assigned
691 (98.6%) exact matches, in which:
678 unique CDR3
13 unique J



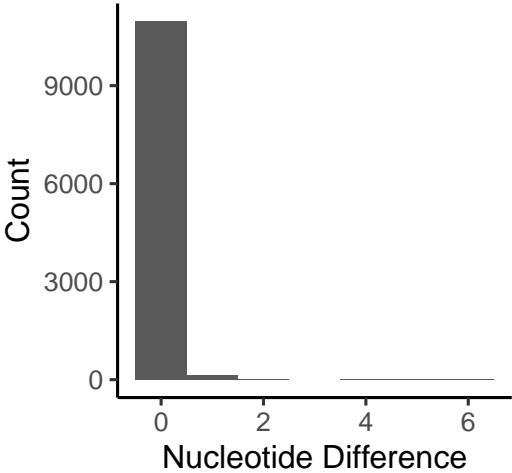
TRBV23-1*ap01

1773 sequences assigned
1739 (98.1%) exact matches, in which:
1721 unique CDR3
13 unique J



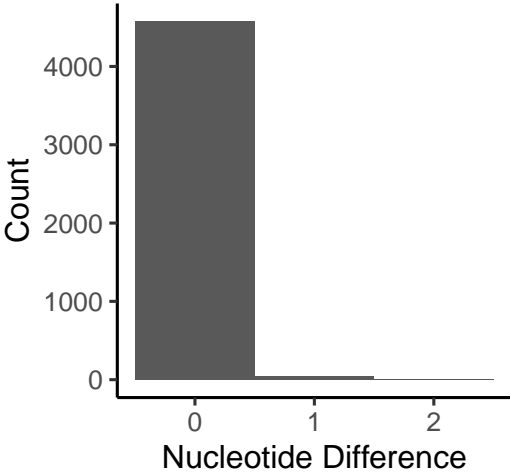
TRBV3-12*ap01

11095 sequences assigned
10966 (98.8%) exact matches, in which:
10776 unique CDR3
13 unique J



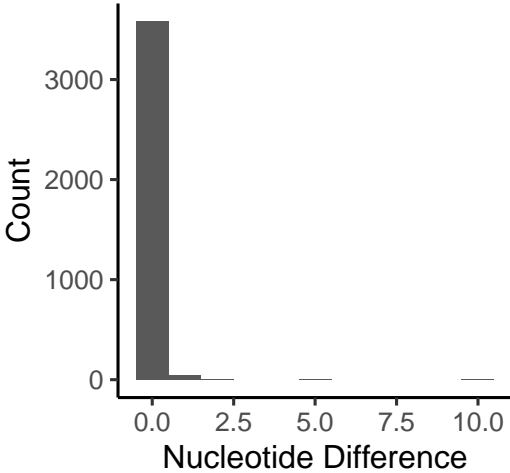
TRBV4-2*ap01

4626 sequences assigned
4575 (98.9%) exact matches, in which:
4490 unique CDR3
13 unique J



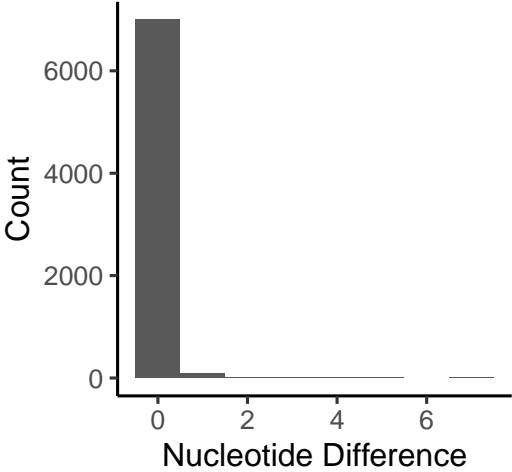
TRBV25-1*ap01

3633 sequences assigned
3581 (98.6%) exact matches, in which:
3503 unique CDR3
13 unique J



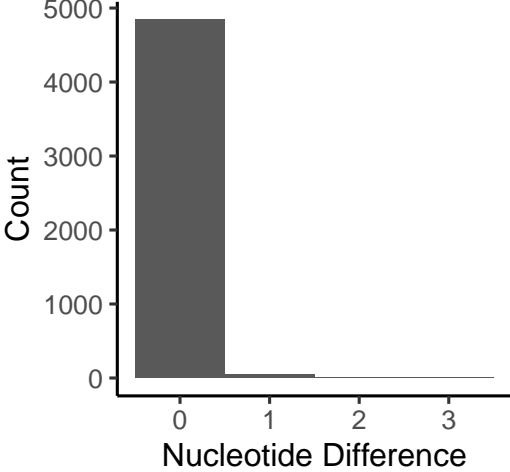
TRBV24-1*ap01

7108 sequences assigned
6998 (98.5%) exact matches, in which:
6867 unique CDR3
13 unique J



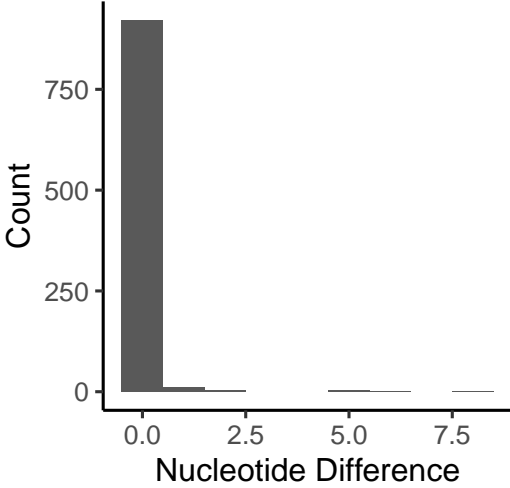
TRBV4-3*ap01

4895 sequences assigned
4842 (98.9%) exact matches, in which:
4767 unique CDR3
13 unique J



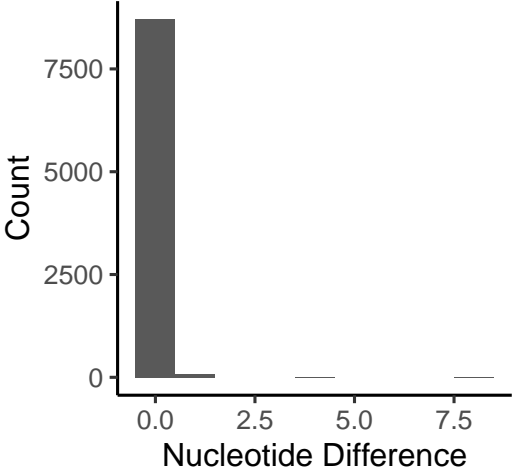
TRBV5-3*ap01

943 sequences assigned
922 (97.8%) exact matches, in which:
912 unique CDR3
13 unique J



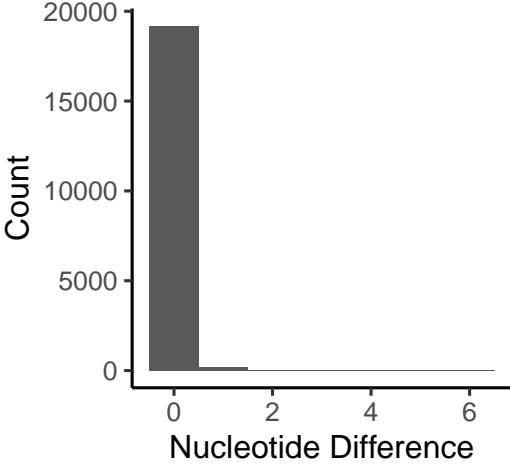
TRBV4-1*ap01

8793 sequences assigned
8713 (99.1%) exact matches, in which:
8535 unique CDR3
13 unique J



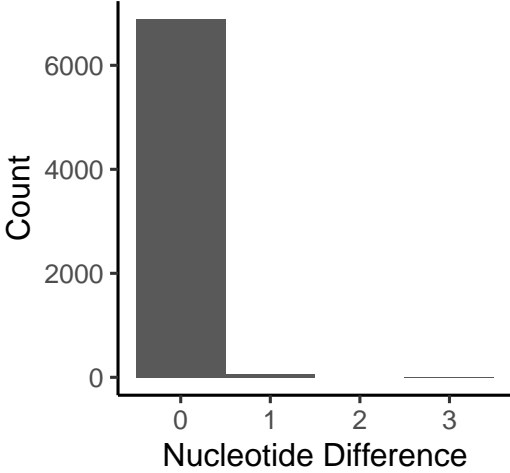
TRBV5-1*ap01

19385 sequences assigned
19191 (99%) exact matches, in which:
18789 unique CDR3
13 unique J



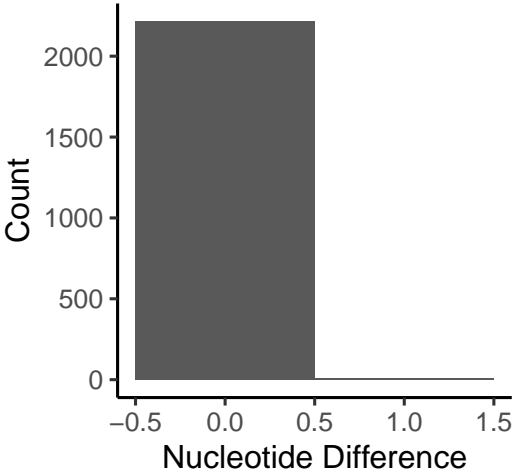
TRBV5-4*ap01

6952 sequences assigned
6890 (99.1%) exact matches, in which:
6753 unique CDR3
13 unique J



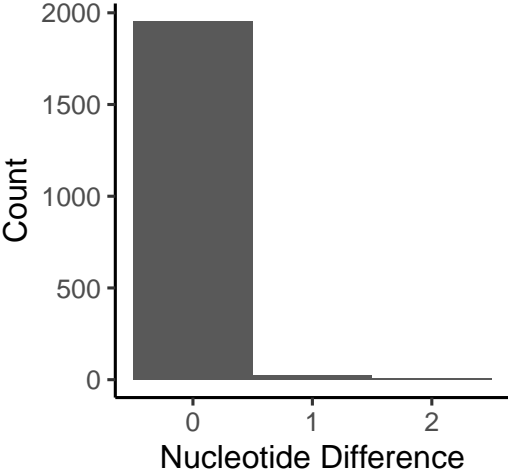
TRBV5-5*ap01

2227 sequences assigned
2215 (99.5%) exact matches, in which:
2200 unique CDR3
13 unique J



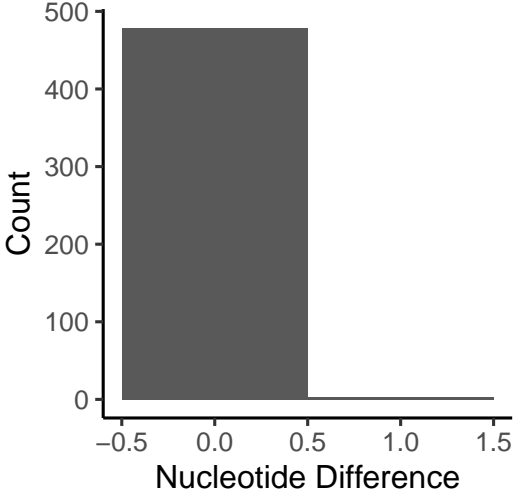
TRBV5-8*ap01

1986 sequences assigned
1953 (98.3%) exact matches, in which:
1934 unique CDR3
13 unique J



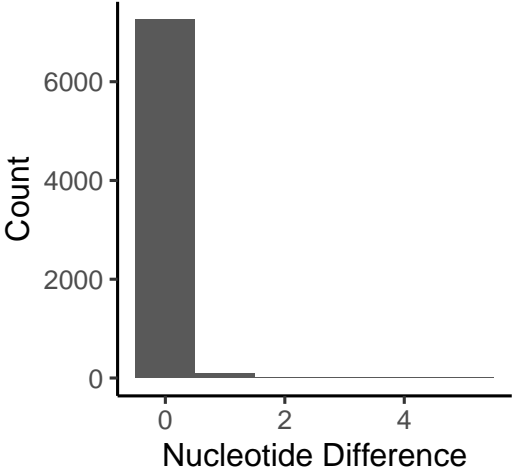
TRBV6-7*ap01

482 sequences assigned
479 (99.4%) exact matches, in which:
467 unique CDR3
13 unique J



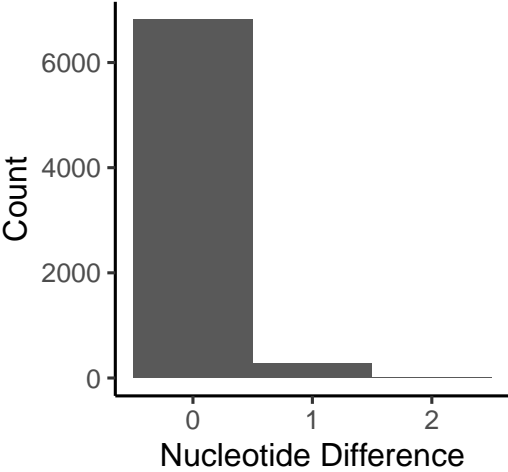
TRBV5-6*ap01

7361 sequences assigned
7255 (98.6%) exact matches, in which:
7045 unique CDR3
13 unique J



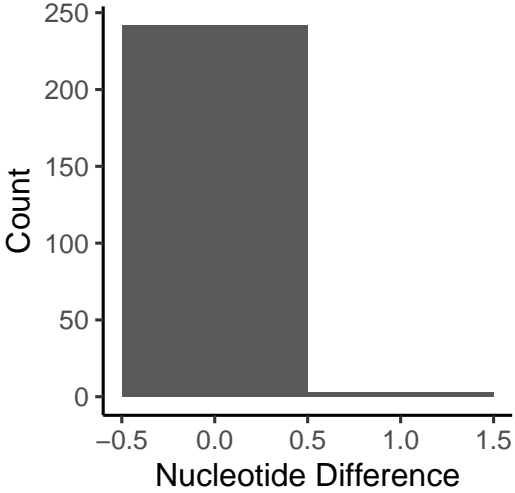
TRBV6-1*ap01

7096 sequences assigned
6814 (96%) exact matches, in which:
6674 unique CDR3
13 unique J



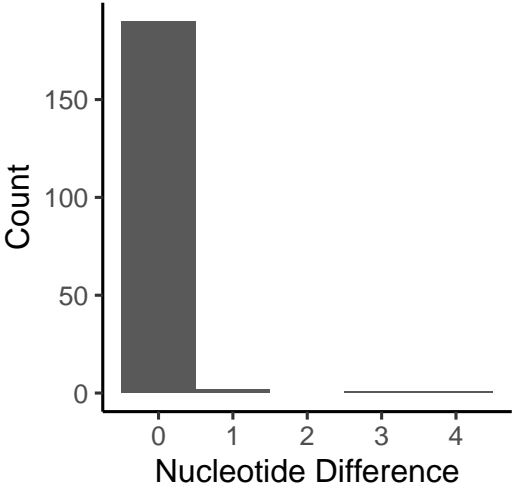
TRBV6-8*ap01

245 sequences assigned
242 (98.8%) exact matches, in which:
236 unique CDR3
13 unique J



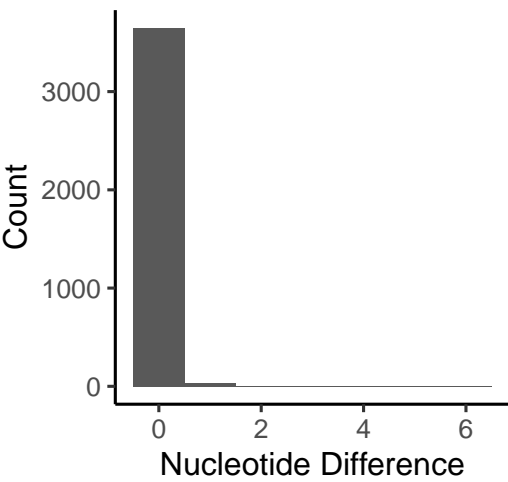
TRBV5-7*ap01

194 sequences assigned
190 (97.9%) exact matches, in which:
185 unique CDR3
13 unique J



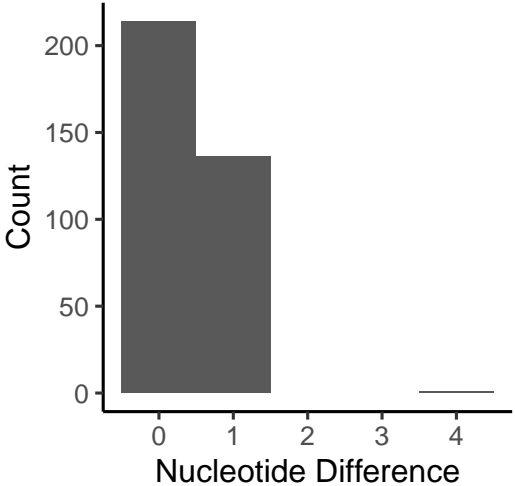
TRBV6-4*ap01

3695 sequences assigned
3647 (98.7%) exact matches, in which:
3612 unique CDR3
13 unique J



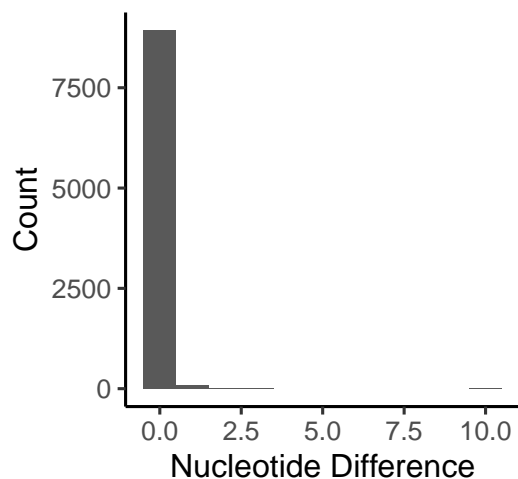
TRBV6-9*ap01

351 sequences assigned
214 (61%) exact matches, in which:
212 unique CDR3
13 unique J



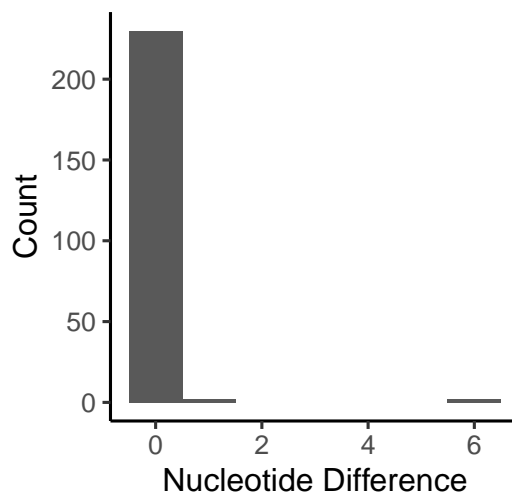
TRBV6-23*ap01

9025 sequences assigned
8929 (98.9%) exact matches, in which:
8710 unique CDR3
13 unique J



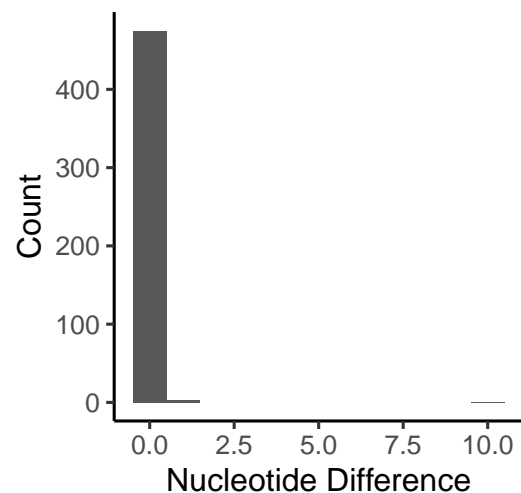
TRBV7-1*ap01_G291C_

234 sequences assigned
230 (98.3%) exact matches, in which:
228 unique CDR3
13 unique J



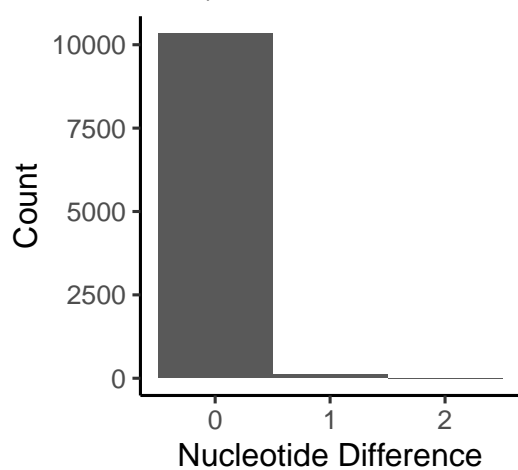
TRBV7-4*ap01

479 sequences assigned
475 (99.2%) exact matches, in which:
466 unique CDR3
13 unique J



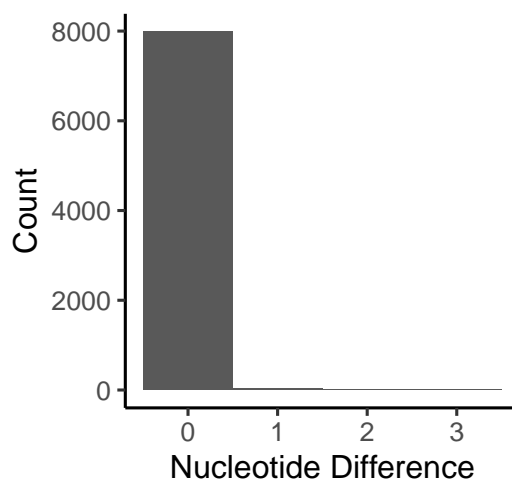
TRBV6-56*ap01

10459 sequences assigned
10338 (98.8%) exact matches, in which:
10109 unique CDR3
13 unique J



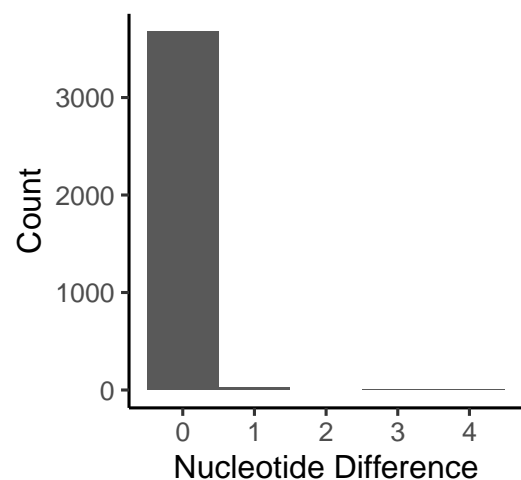
TRBV7-2*ap01

8025 sequences assigned
7985 (99.5%) exact matches, in which:
7895 unique CDR3
13 unique J



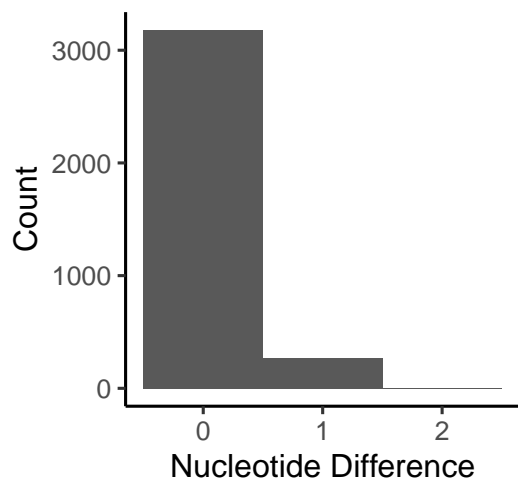
TRBV7-6*ap01

3701 sequences assigned
3675 (99.3%) exact matches, in which:
3627 unique CDR3
13 unique J



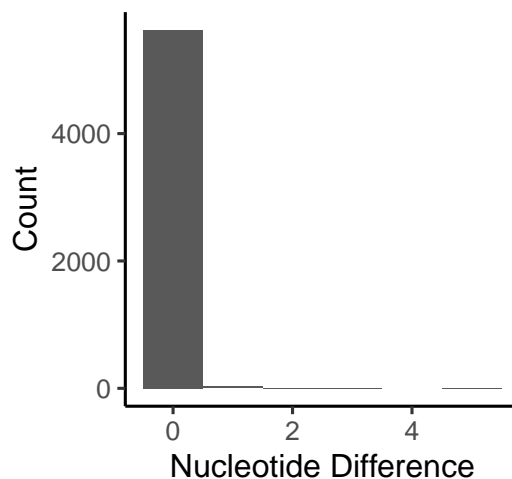
TRBV6-56*ap02

3449 sequences assigned
3179 (92.2%) exact matches, in which:
3123 unique CDR3
13 unique J



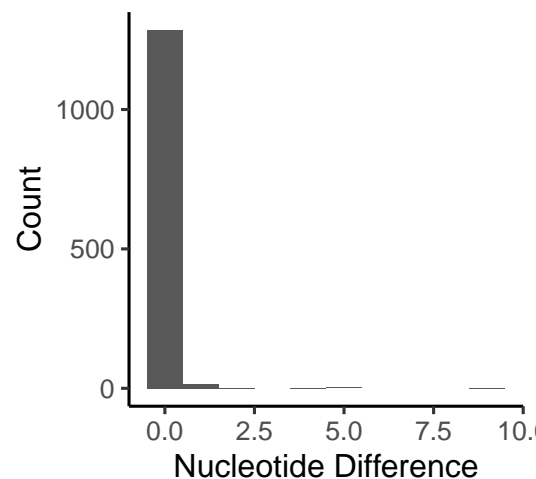
TRBV7-3*ap01

5662 sequences assigned
5626 (99.4%) exact matches, in which:
5577 unique CDR3
13 unique J



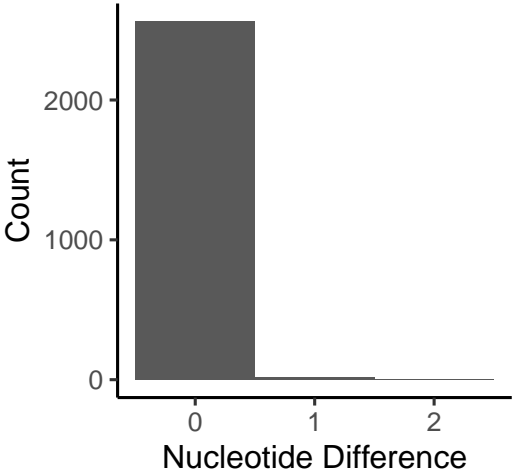
TRBV7-7*ap01_C315T

1308 sequences assigned
1285 (98.2%) exact matches, in which:
1267 unique CDR3
13 unique J



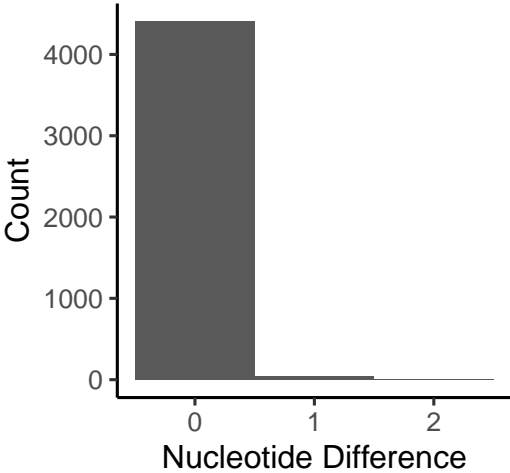
TRBV7-8*ap01

2580 sequences assigned
2562 (99.3%) exact matches, in which:
2512 unique CDR3
13 unique J



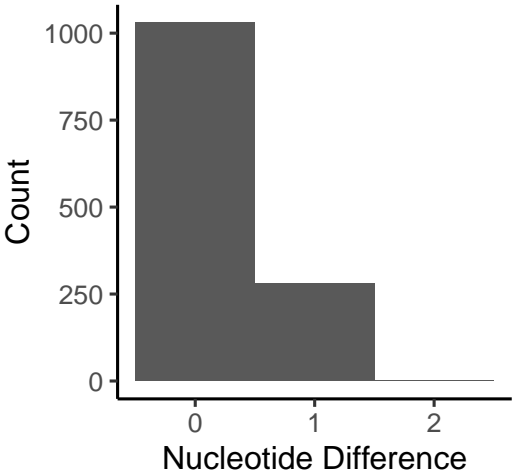
TRBV29-1*ap01

4451 sequences assigned
4406 (99%) exact matches, in which:
4308 unique CDR3
13 unique J



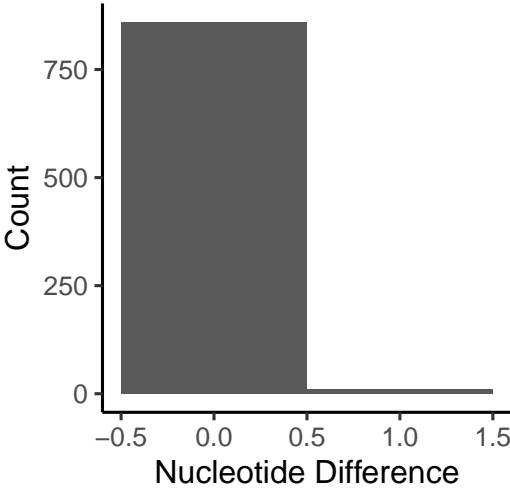
TRBV7-8*ap03

1311 sequences assigned
1030 (78.6%) exact matches, in which:
1018 unique CDR3
13 unique J



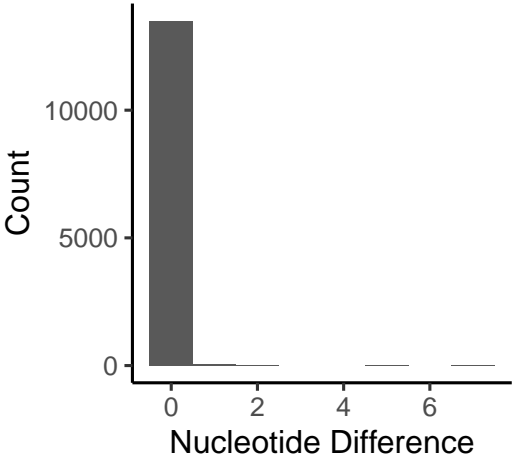
TRBV29-1*ap02

870 sequences assigned
860 (98.9%) exact matches, in which:
840 unique CDR3
13 unique J

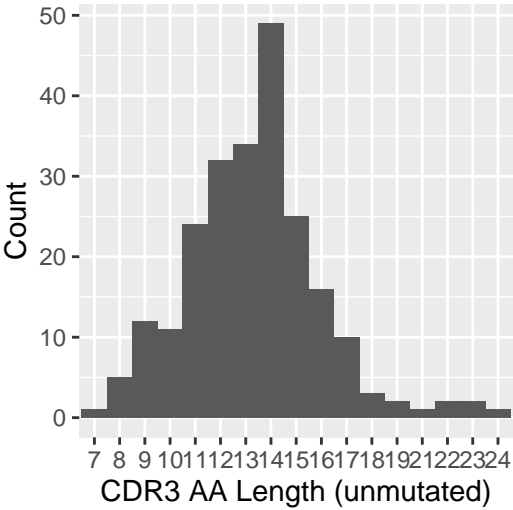


TRBV7-9*ap01

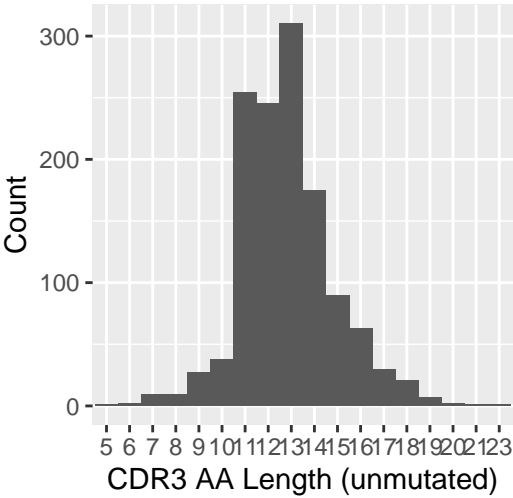
13576 sequences assigned
13500 (99.4%) exact matches, in which:
13328 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]