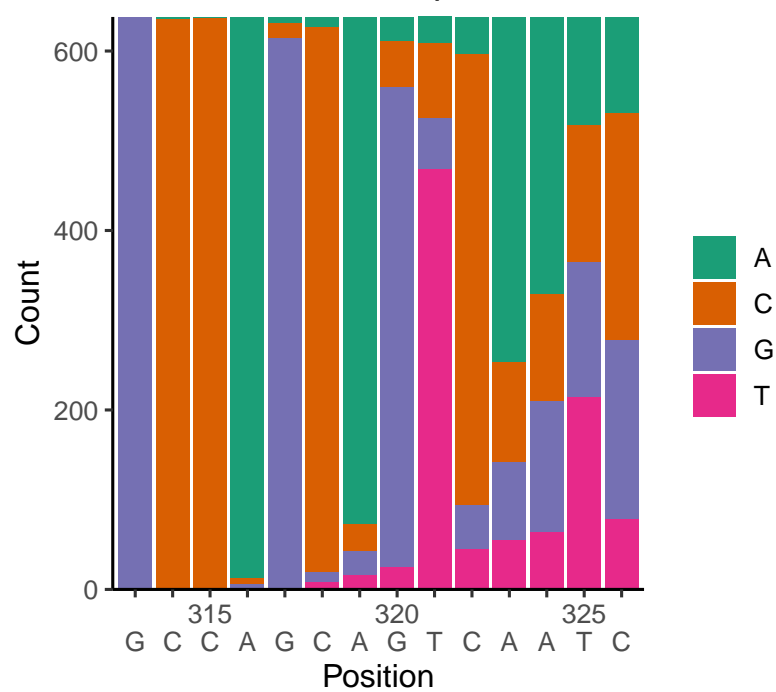
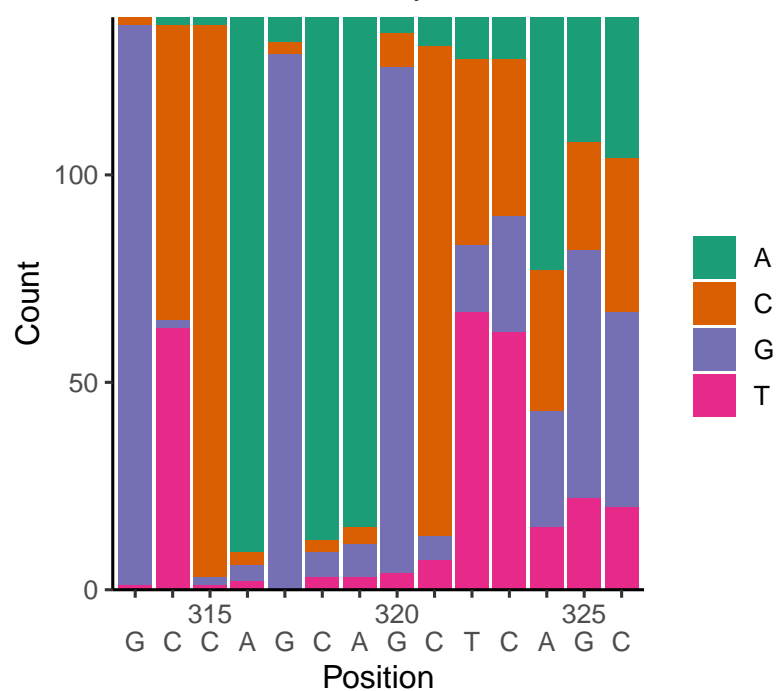


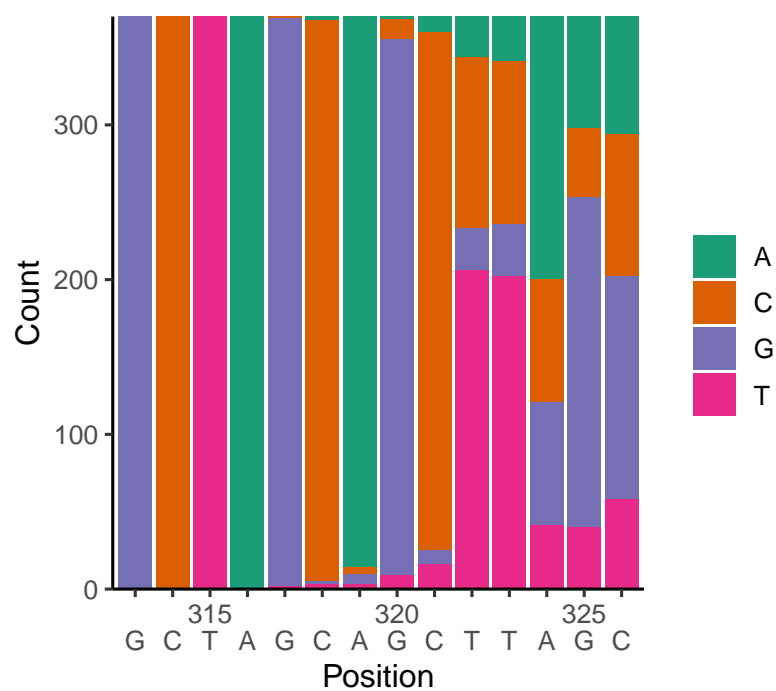
Gene TRBV23-1*ap01_T304C



Gene TRBV7-1*ap01_G291C_T296C



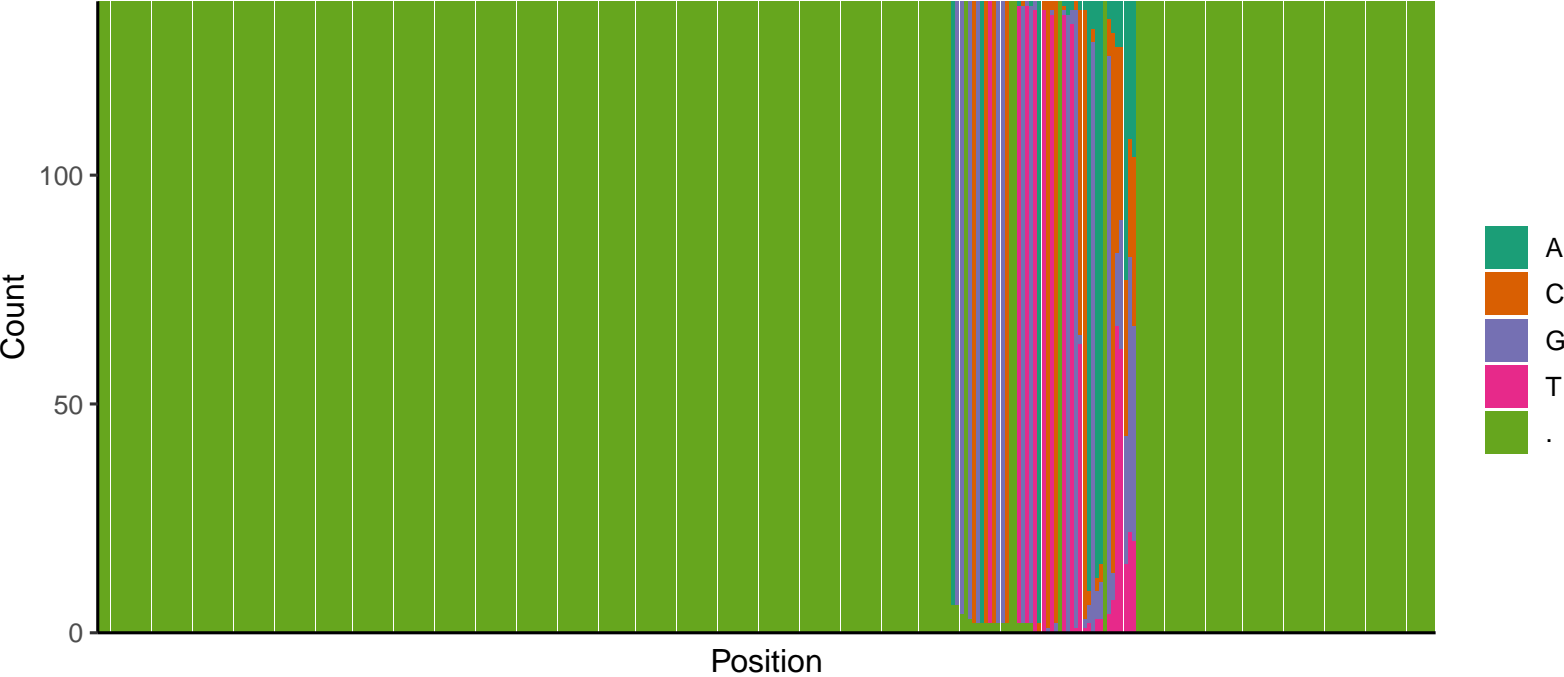
Gene TRBV7-7*ap01_C315T



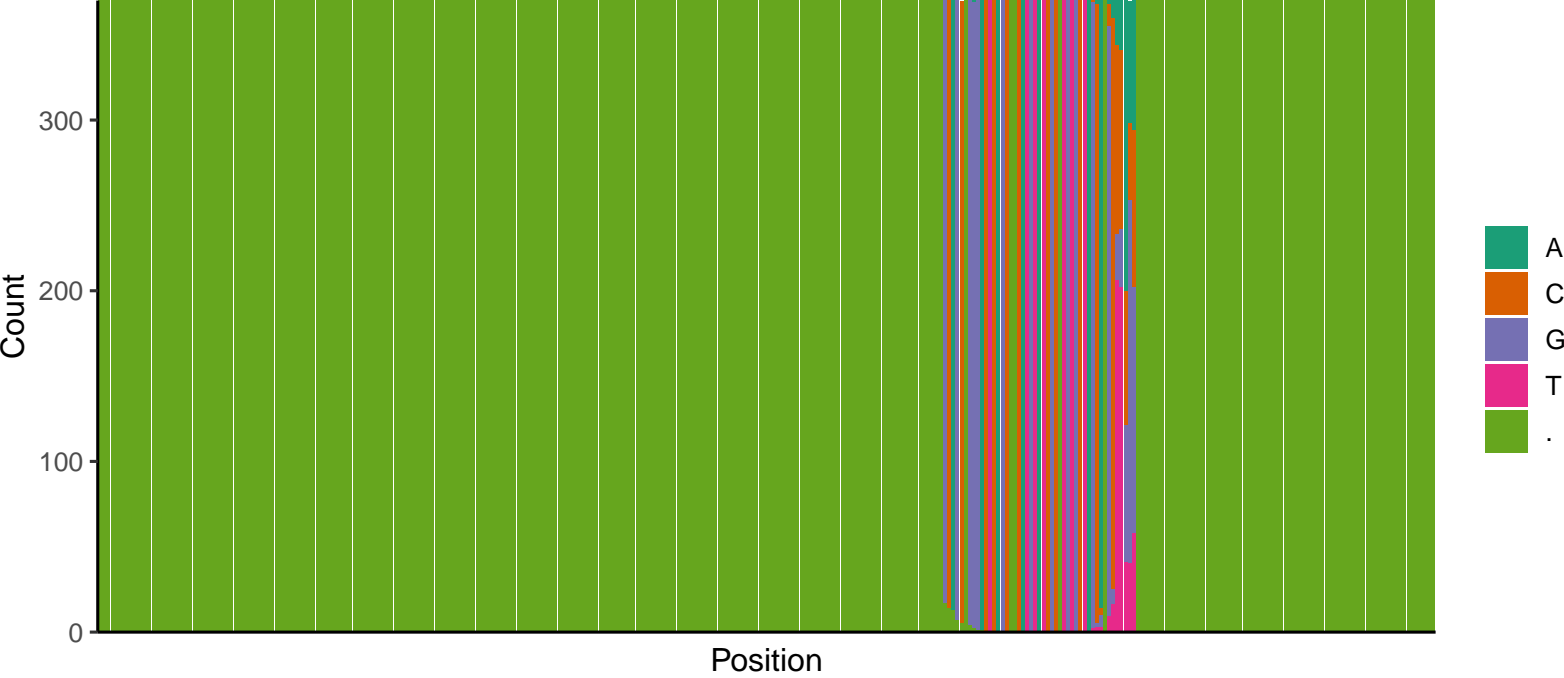
Gene TRBV23-1*ap01_T304C



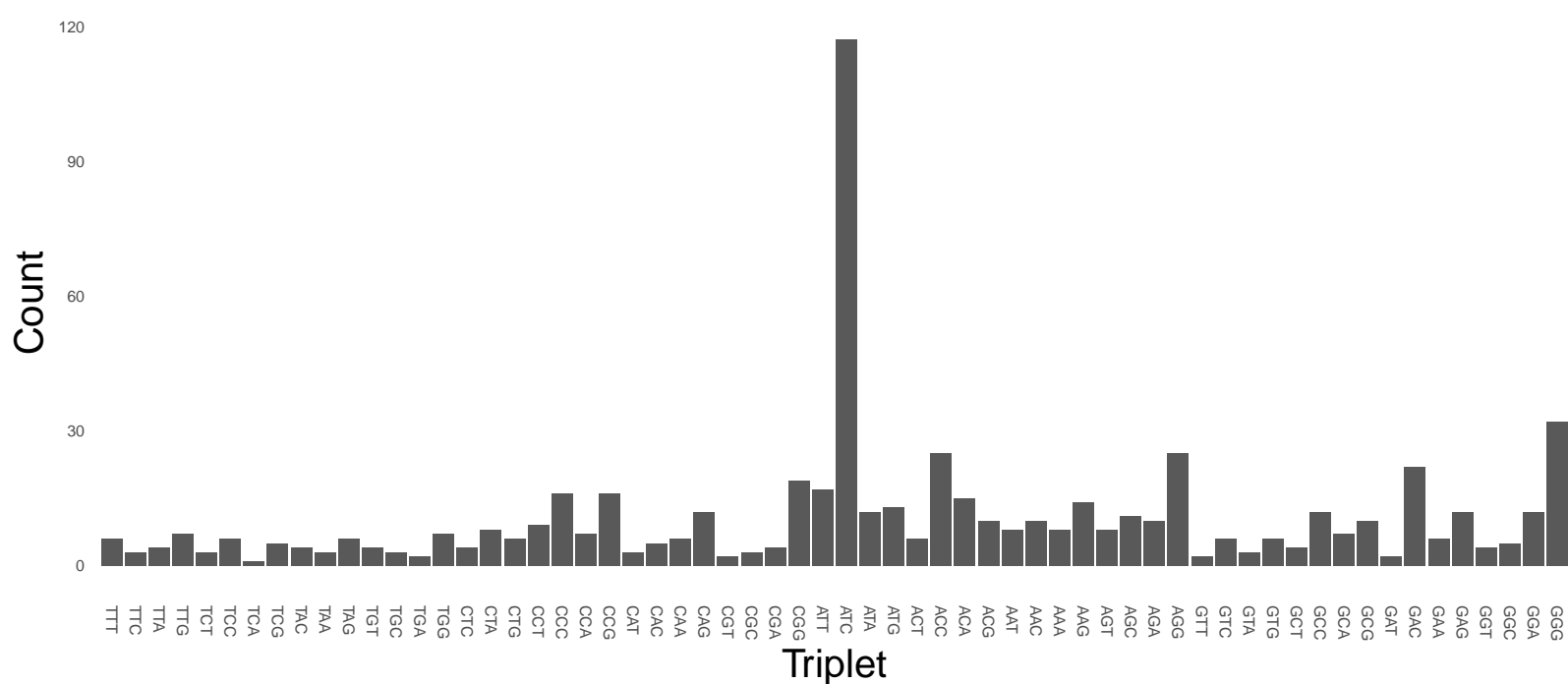
Gene TRBV7-1*ap01_G291C_T296C



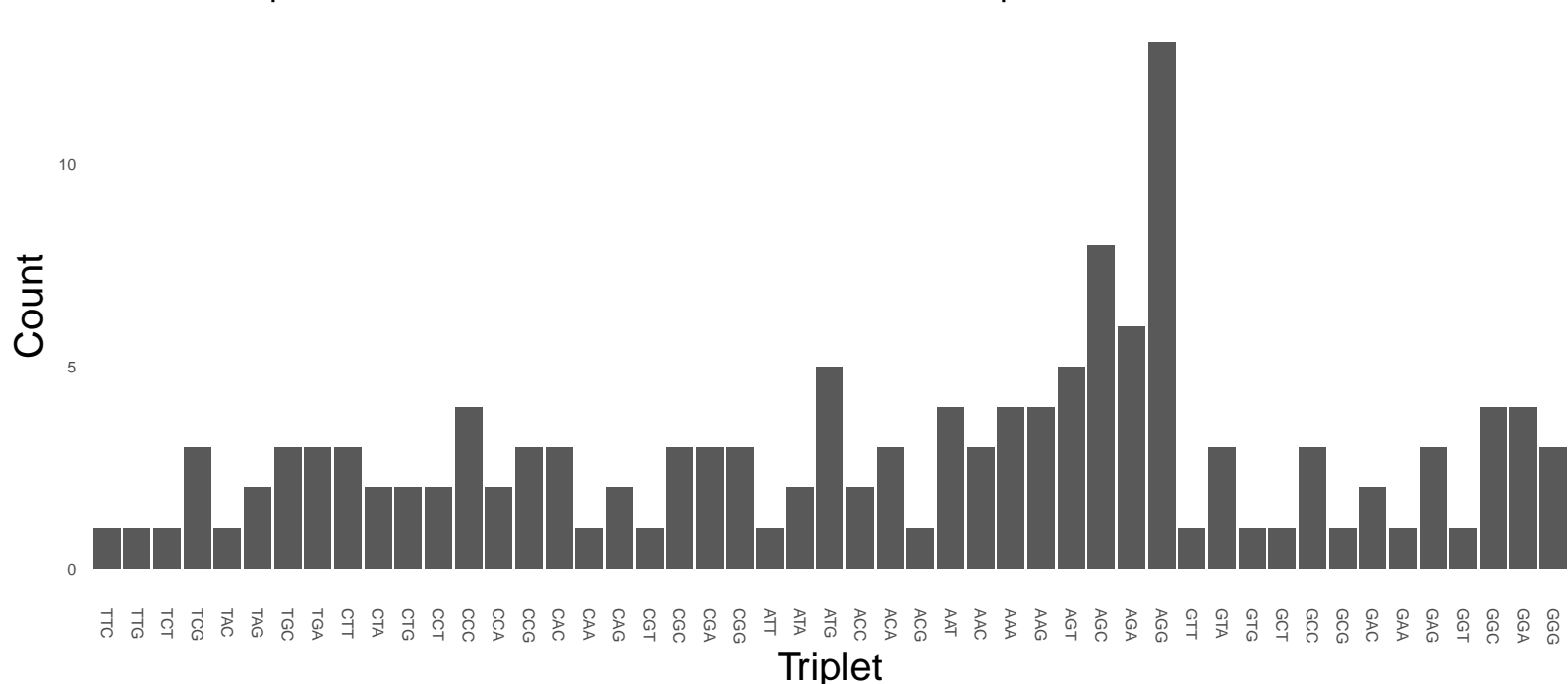
Gene TRBV7-7*ap01_C315T



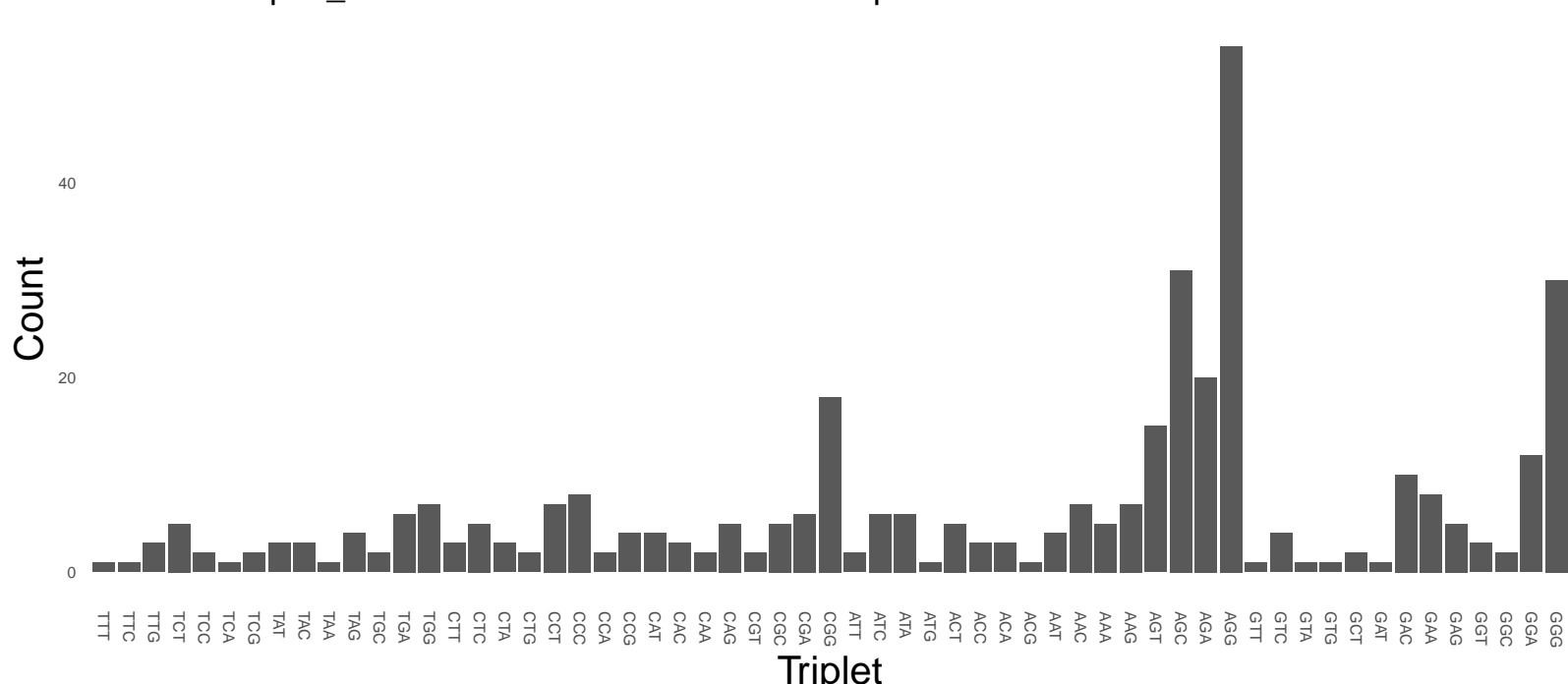
TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet



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

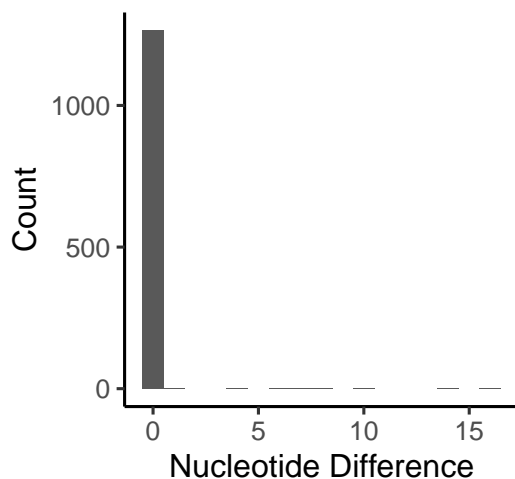


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



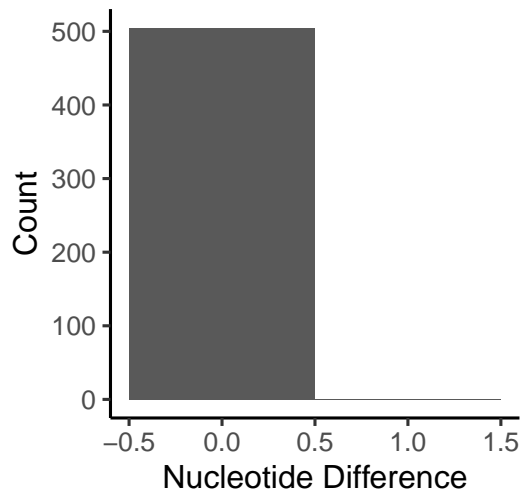
TRBV10-1*ap01

1278 sequences assigned
1265 (99%) exact matches, in which:
1264 unique CDR3
12 unique J



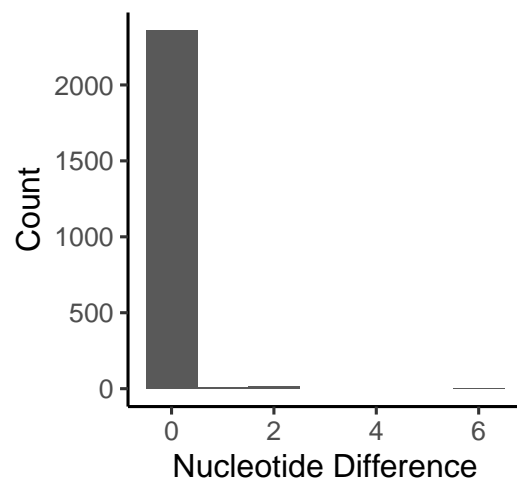
TRBV10-2*ap01

506 sequences assigned
505 (99.8%) exact matches, in which:
504 unique CDR3
12 unique J



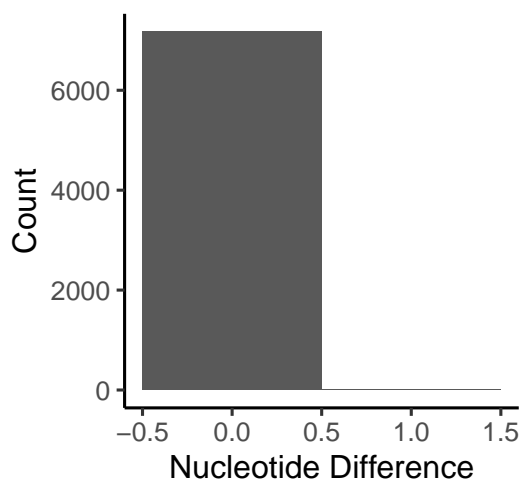
TRBV13*ap01

2389 sequences assigned
2359 (98.7%) exact matches, in which:
2352 unique CDR3
12 unique J



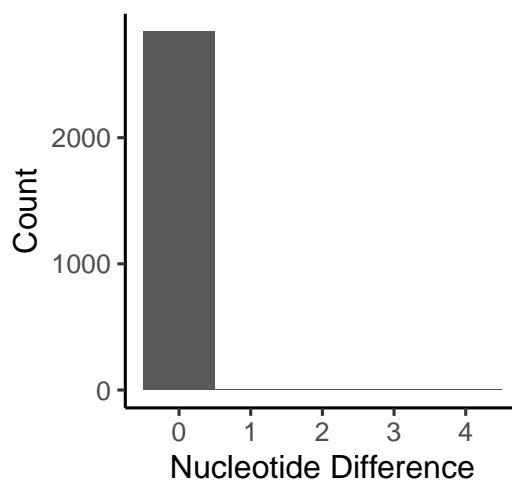
TRBV20-1*ap01

7188 sequences assigned
7172 (99.8%) exact matches, in which:
7156 unique CDR3
13 unique J



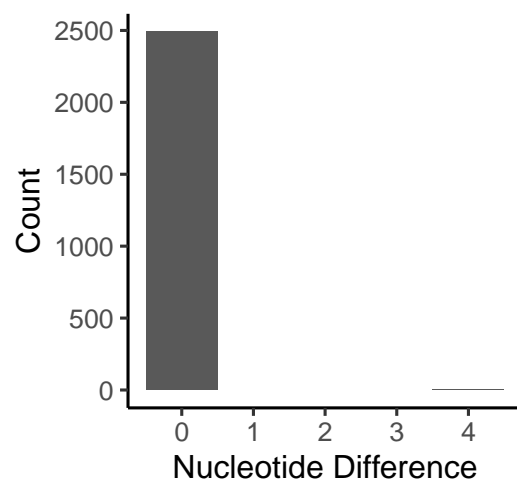
TRBV10-3*ap01

2848 sequences assigned
2840 (99.7%) exact matches, in which:
2839 unique CDR3
12 unique J



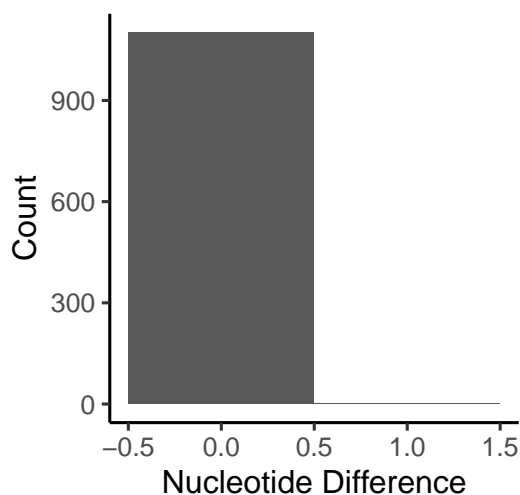
TRBV14*ap01

2493 sequences assigned
2491 (99.9%) exact matches, in which:
2489 unique CDR3
13 unique J



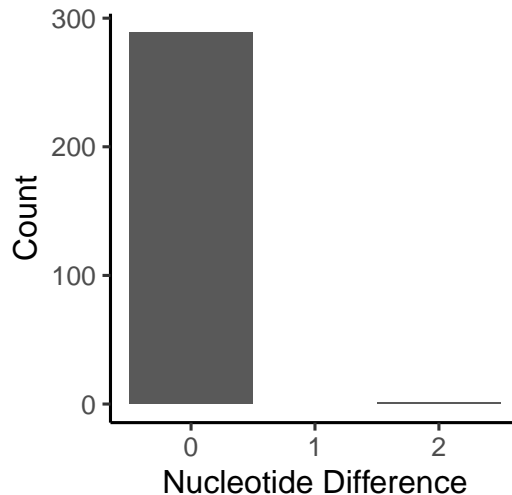
TRBV20-1*ap02

1103 sequences assigned
1102 (99.9%) exact matches, in which:
1101 unique CDR3
13 unique J



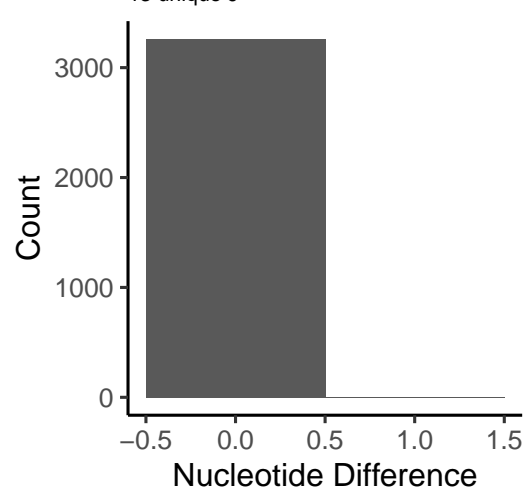
TRBV1*ap01

290 sequences assigned
289 (99.7%) exact matches, in which:
289 unique CDR3
12 unique J



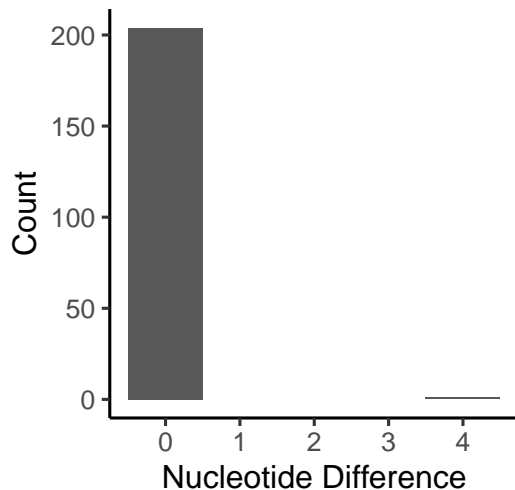
TRBV15*ap02

3265 sequences assigned
3260 (99.8%) exact matches, in which:
3256 unique CDR3
13 unique J



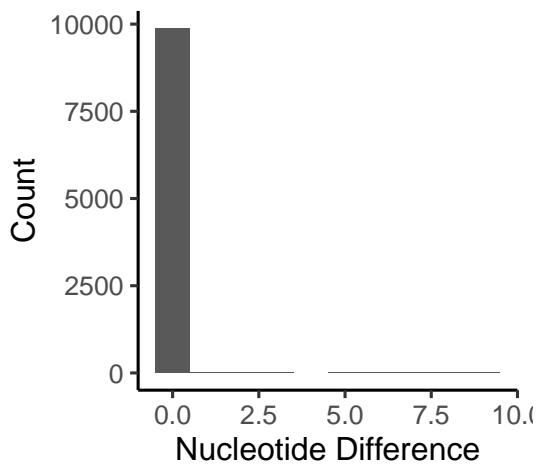
TRBV16*ap01

205 sequences assigned
204 (99.5%) exact matches, in which:
203 unique CDR3
12 unique J



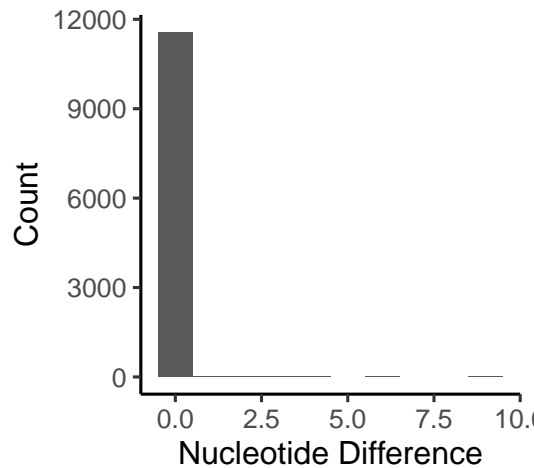
TRBV19*ap01

9920 sequences assigned
9884 (99.6%) exact matches, in which:
9883 unique CDR3
13 unique J



TRBV27*ap01

11608 sequences assigned
11569 (99.7%) exact matches, in which:
11506 unique CDR3
13 unique J



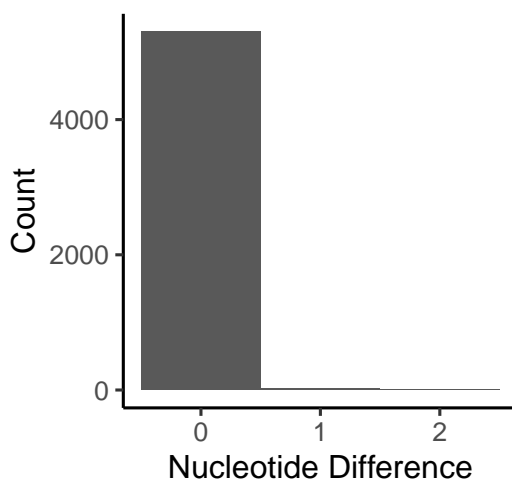
TRBV17*ap01

2 sequences assigned
No exact matches.



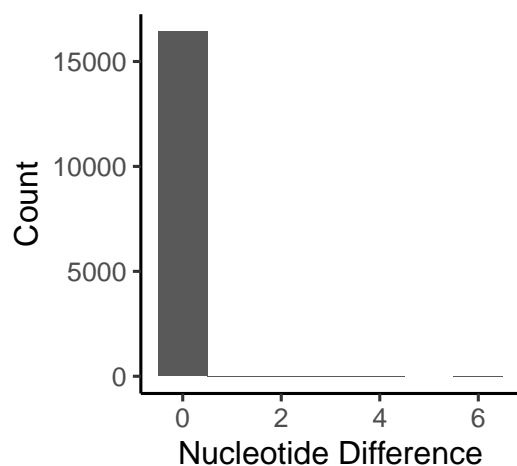
TRBV2*ap01

5323 sequences assigned
5300 (99.6%) exact matches, in which:
5280 unique CDR3
13 unique J



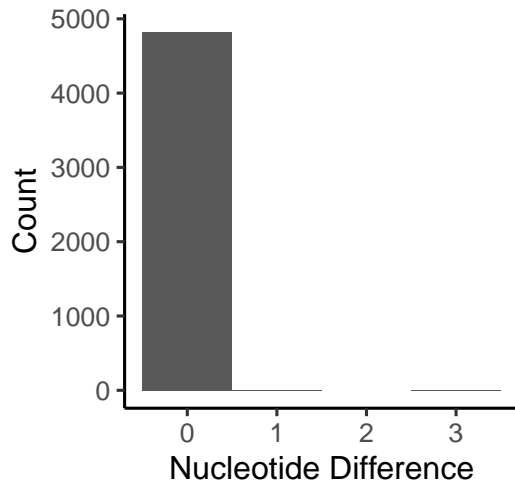
TRBV28*ap01

16457 sequences assigned
16431 (99.8%) exact matches, in which:
16425 unique CDR3
13 unique J



TRBV18*ap01

4829 sequences assigned
4822 (99.9%) exact matches, in which:
4820 unique CDR3
13 unique J



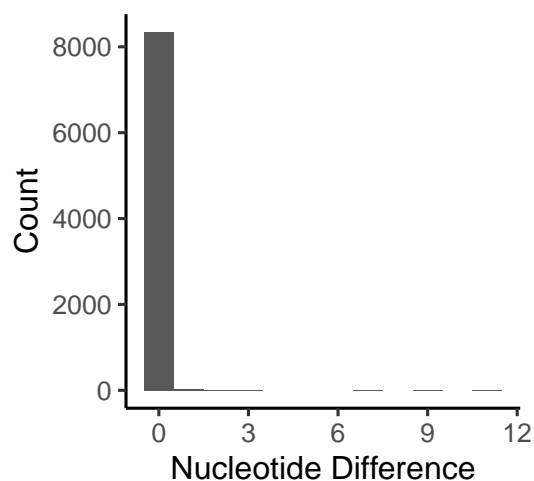
TRBV26*ap01

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



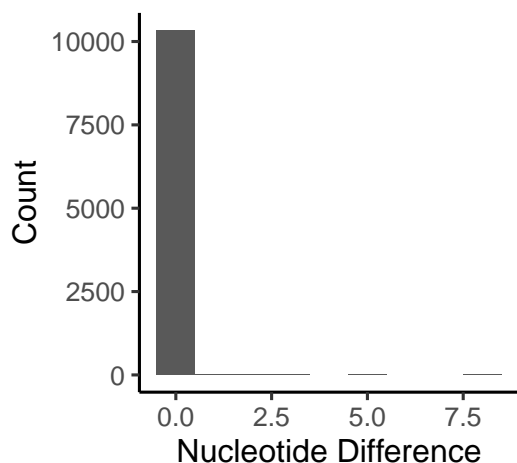
TRBV30*ap01

8392 sequences assigned
8344 (99.4%) exact matches, in which:
8300 unique CDR3
13 unique J



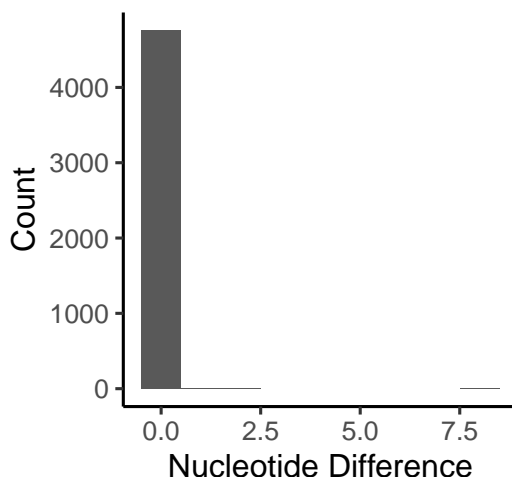
TRBV9*ap01

10361 sequences assigned
10341 (99.8%) exact matches, in which:
10323 unique CDR3
13 unique J



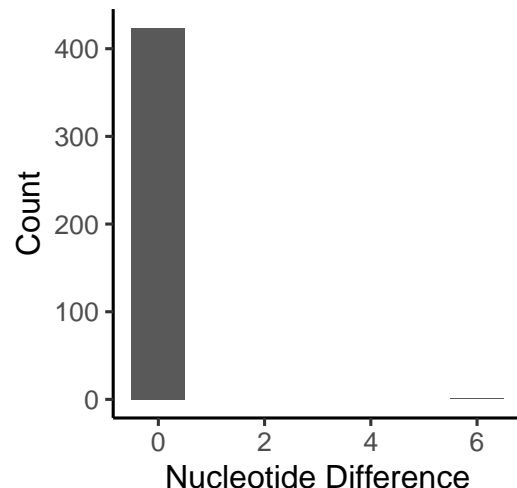
TRBV11-2*ap01

4767 sequences assigned
4757 (99.8%) exact matches, in which:
4757 unique CDR3
13 unique J



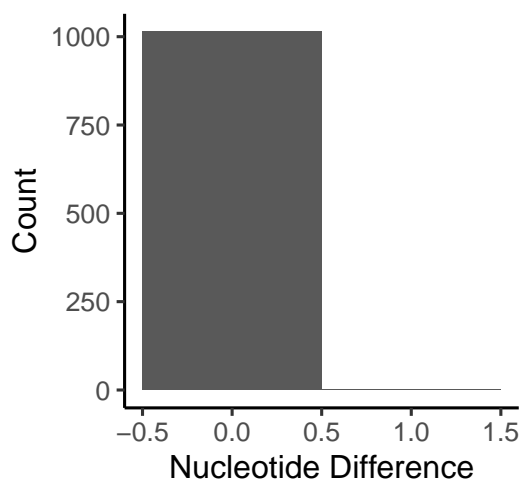
TRBV12-2*ap01

425 sequences assigned
424 (99.8%) exact matches, in which:
424 unique CDR3
12 unique J



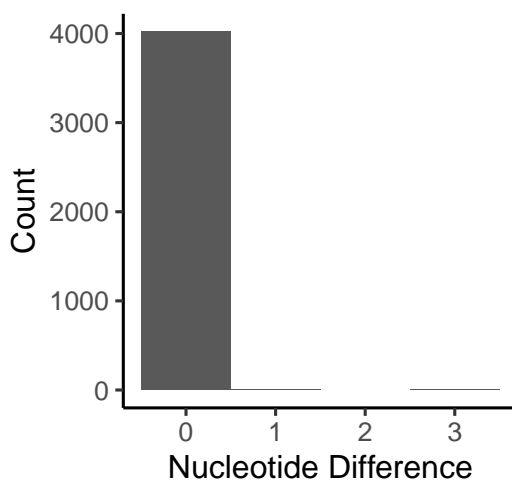
TRBV11-1*ap01

1016 sequences assigned
1014 (99.8%) exact matches, in which:
1014 unique CDR3
12 unique J



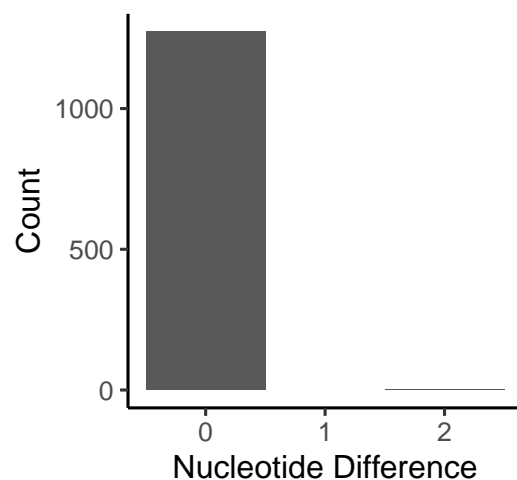
TRBV11-3*ap01

4029 sequences assigned
4020 (99.8%) exact matches, in which:
4018 unique CDR3
13 unique J



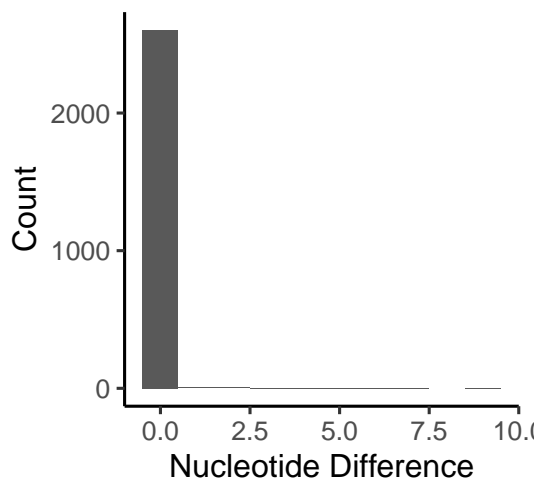
TRBV12-5*ap01

1274 sequences assigned
1273 (99.9%) exact matches, in which:
1273 unique CDR3
12 unique J



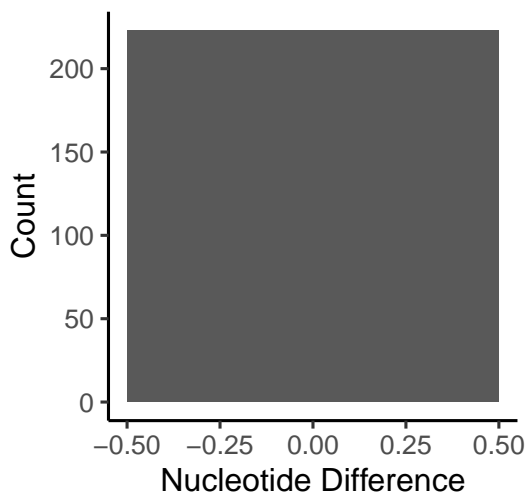
TRBV21-1*ap01

2625 sequences assigned
2603 (99.2%) exact matches, in which:
2602 unique CDR3
13 unique J



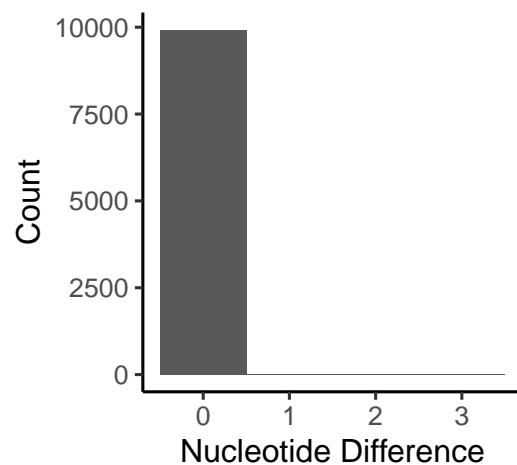
TRBV12-1*ap01

223 sequences assigned
223 (100%) exact matches, in which:
223 unique CDR3
12 unique J



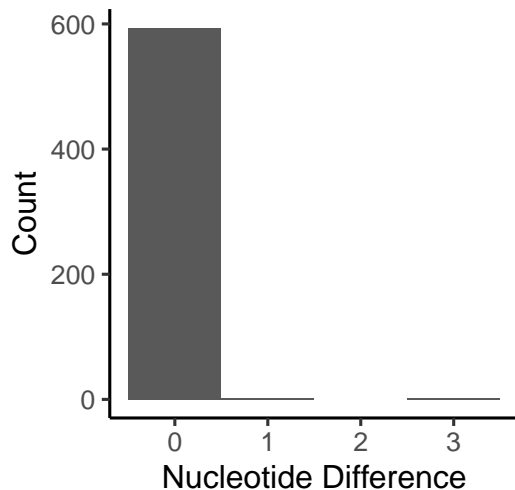
TRBV12-34*ap01

9943 sequences assigned
9926 (99.8%) exact matches, in which:
9913 unique CDR3
13 unique J



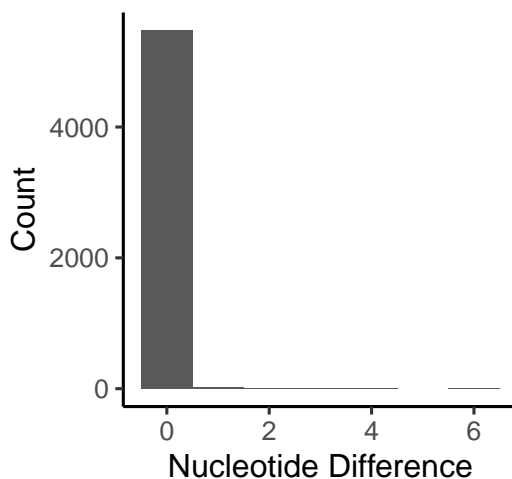
TRBV23–1*ap01

598 sequences assigned
594 (99.3%) exact matches, in which:
593 unique CDR3
12 unique J



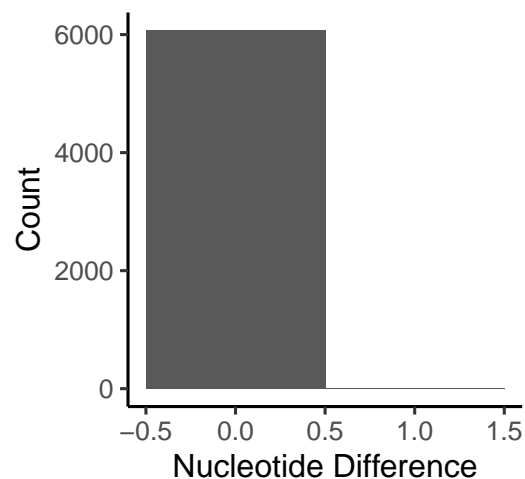
TRBV24–1*ap01

5503 sequences assigned
5477 (99.5%) exact matches, in which:
5457 unique CDR3
13 unique J



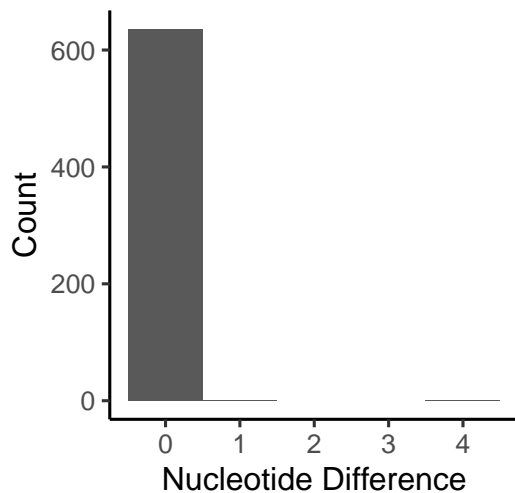
TRBV4–3*ap01

6078 sequences assigned
6071 (99.9%) exact matches, in which:
6059 unique CDR3
13 unique J



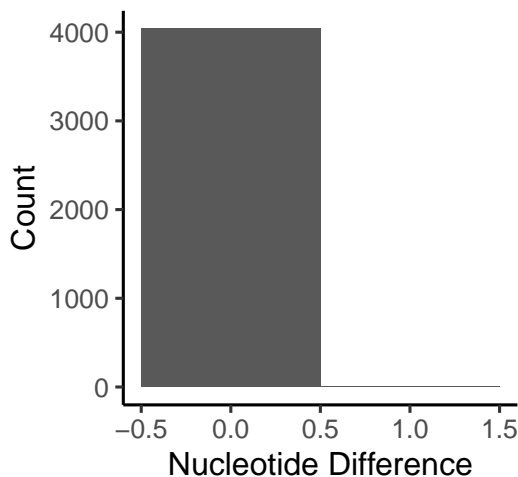
TRBV23–1*ap01_T304C

638 sequences assigned
636 (99.7%) exact matches, in which:
634 unique CDR3
12 unique J



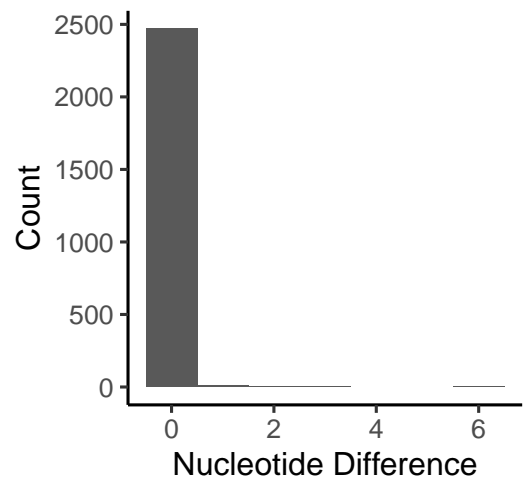
TRBV4–1*ap01

4044 sequences assigned
4039 (99.9%) exact matches, in which:
4034 unique CDR3
13 unique J



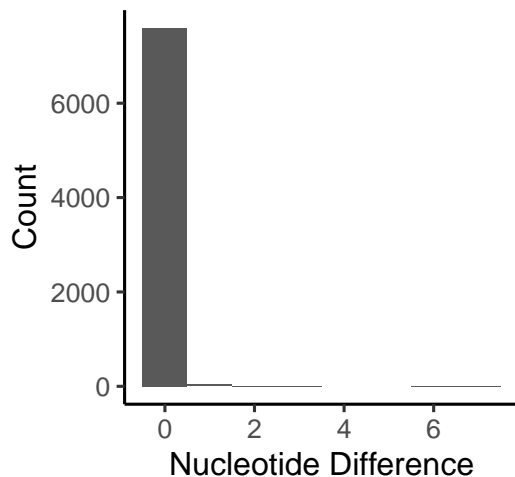
TRBV25–1*ap01

2486 sequences assigned
2470 (99.4%) exact matches, in which:
2467 unique CDR3
13 unique J



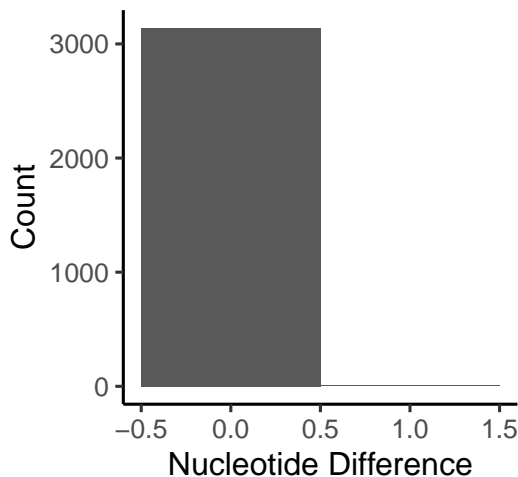
TRBV3–12*ap01

7635 sequences assigned
7593 (99.4%) exact matches, in which:
7572 unique CDR3
13 unique J



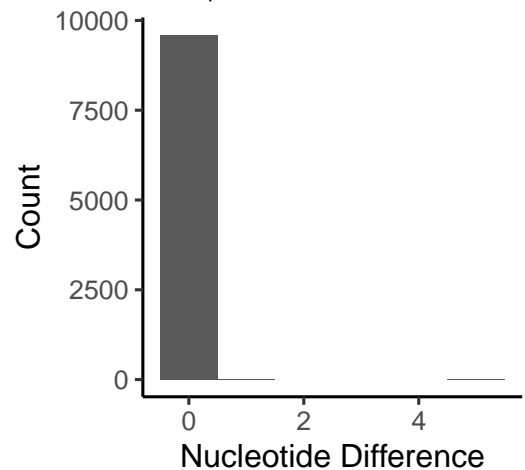
TRBV4–2*ap01

3147 sequences assigned
3139 (99.7%) exact matches, in which:
3136 unique CDR3
13 unique J



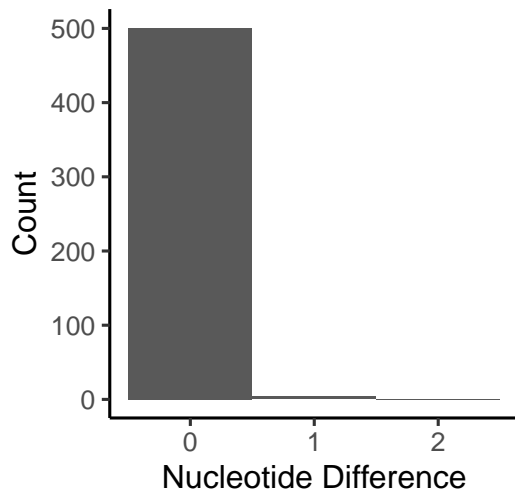
TRBV5–1*ap01

9625 sequences assigned
9600 (99.7%) exact matches, in which:
9558 unique CDR3
13 unique J



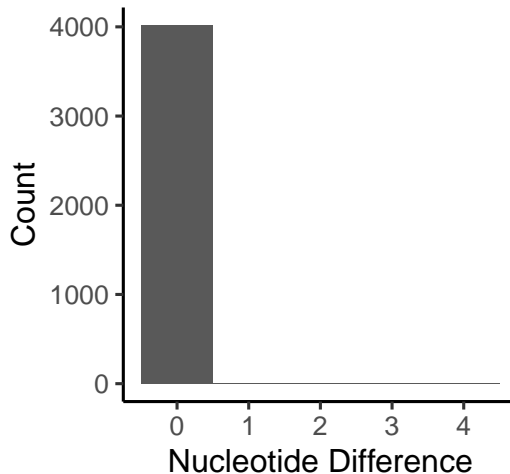
TRBV5-3*ap01

506 sequences assigned
501 (99%) exact matches, in which:
501 unique CDR3
12 unique J



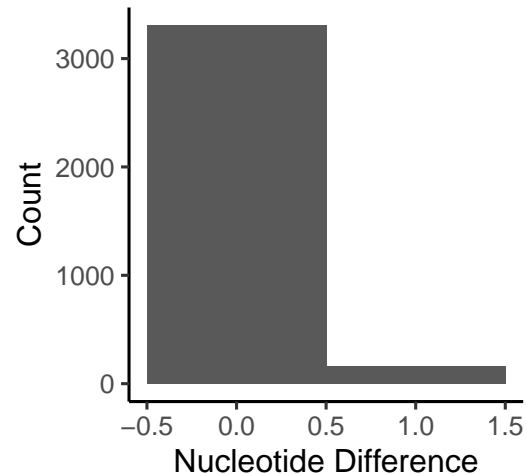
TRBV5-6*ap01

4030 sequences assigned
4016 (99.7%) exact matches, in which:
3996 unique CDR3
13 unique J



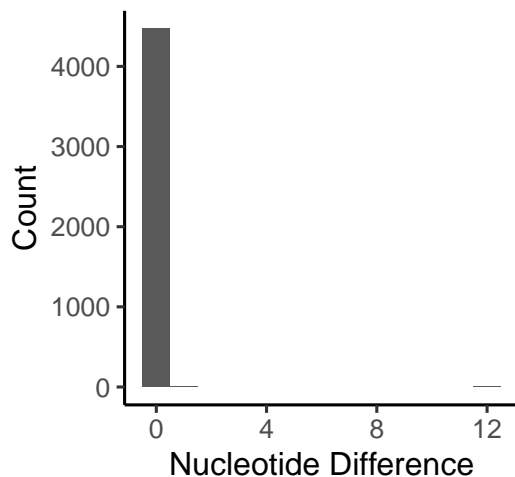
TRBV6-1*ap01

3463 sequences assigned
3306 (95.5%) exact matches, in which:
3299 unique CDR3
13 unique J



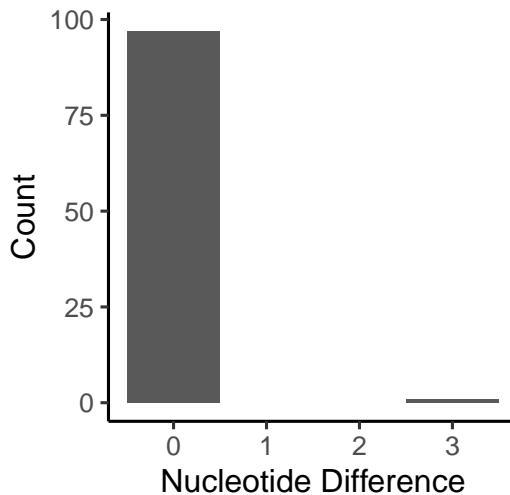
TRBV5-4*ap01

4481 sequences assigned
4470 (99.8%) exact matches, in which:
4464 unique CDR3
13 unique J



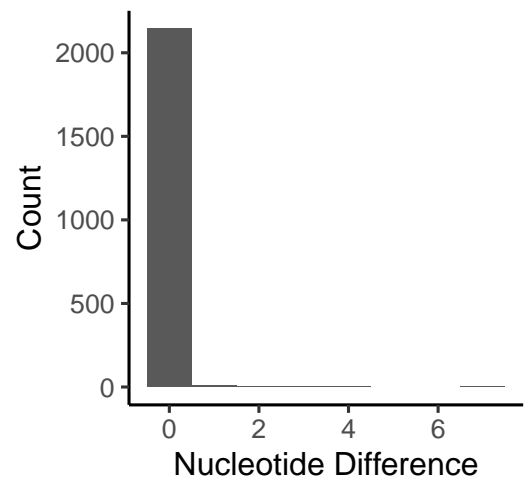
TRBV5-7*ap01

98 sequences assigned
97 (99%) exact matches, in which:
97 unique CDR3
11 unique J



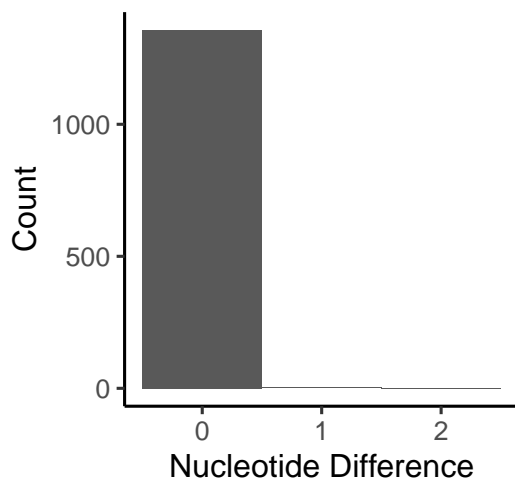
TRBV6-4*ap01

2160 sequences assigned
2144 (99.3%) exact matches, in which:
2143 unique CDR3
13 unique J



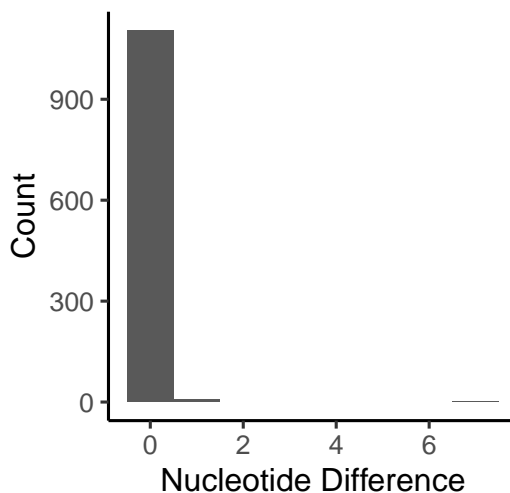
TRBV5-5*ap01

1362 sequences assigned
1357 (99.6%) exact matches, in which:
1356 unique CDR3
12 unique J



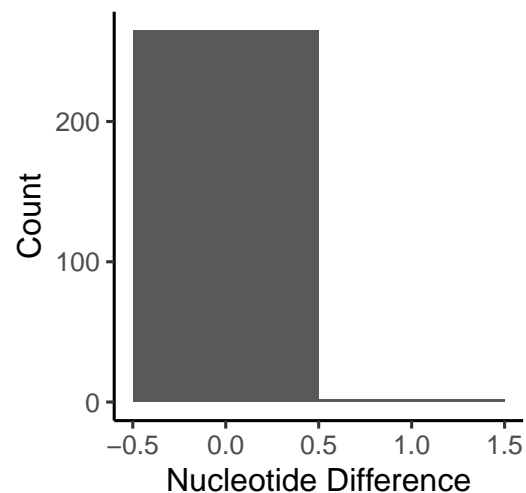
TRBV5-8*ap01

1113 sequences assigned
1105 (99.3%) exact matches, in which:
1105 unique CDR3
13 unique J



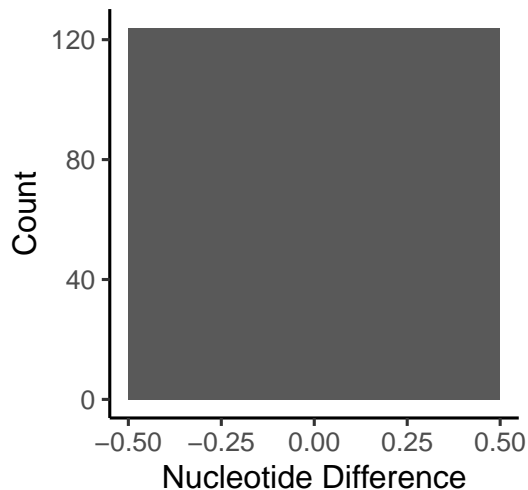
TRBV6-7*ap01

267 sequences assigned
265 (99.3%) exact matches, in which:
265 unique CDR3
12 unique J



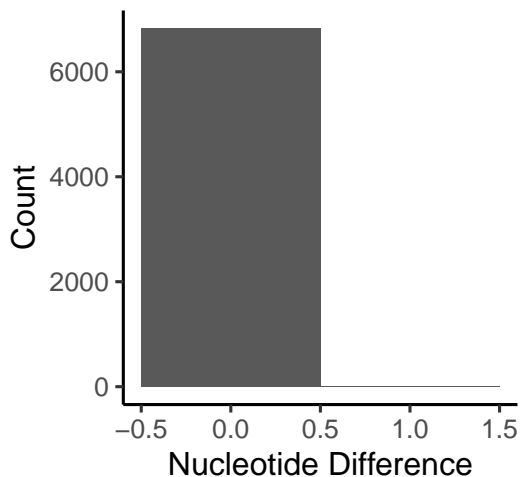
TRBV6–8*ap01

124 sequences assigned
124 (100%) exact matches, in which:
124 unique CDR3
12 unique J



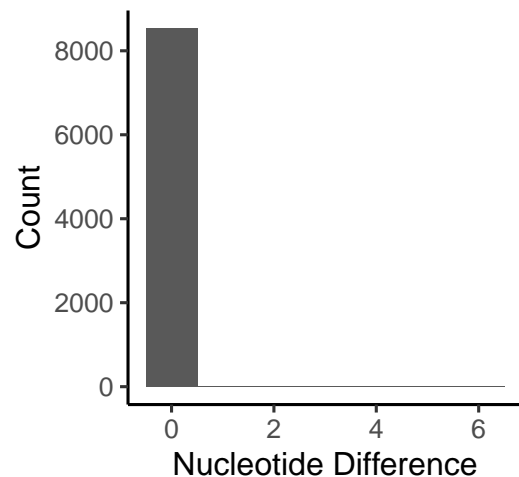
TRBV6–56*ap01

6838 sequences assigned
6827 (99.8%) exact matches, in which:
6813 unique CDR3
13 unique J



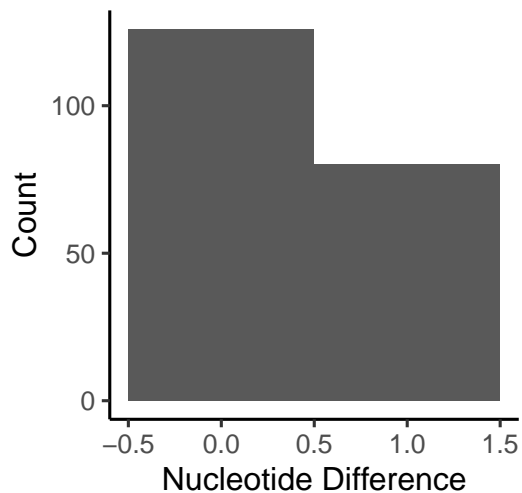
TRBV7–2*ap01

8546 sequences assigned
8533 (99.8%) exact matches, in which:
8525 unique CDR3
13 unique J



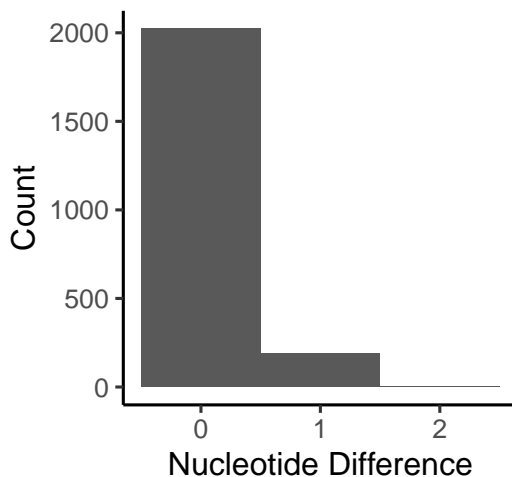
TRBV6–9*ap01

206 sequences assigned
126 (61.2%) exact matches, in which:
126 unique CDR3
12 unique J



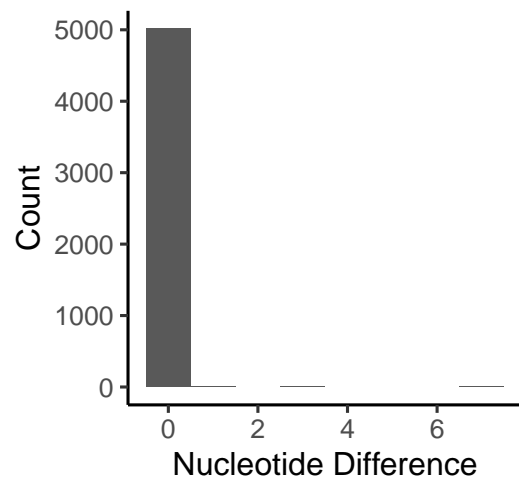
TRBV6–56*ap02

2213 sequences assigned
2023 (91.4%) exact matches, in which:
2021 unique CDR3
13 unique J



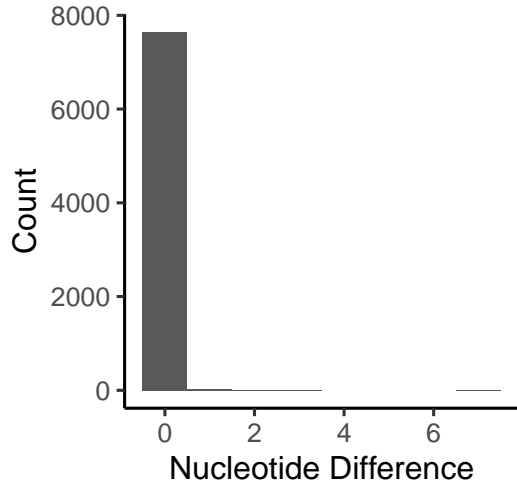
TRBV7–3*ap01

5030 sequences assigned
5015 (99.7%) exact matches, in which:
5007 unique CDR3
13 unique J



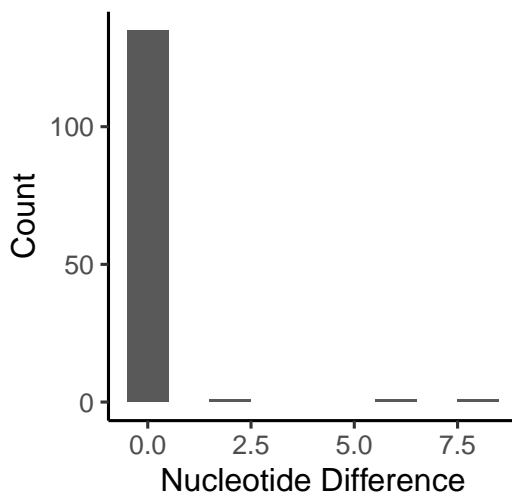
TRBV6–23*ap01

7672 sequences assigned
7643 (99.6%) exact matches, in which:
7611 unique CDR3
13 unique J



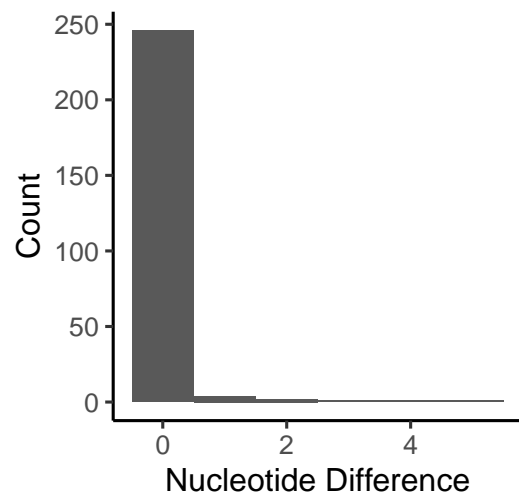
TRBV7–1*ap01_G291C_

138 sequences assigned
135 (97.8%) exact matches, in which:
135 unique CDR3
12 unique J



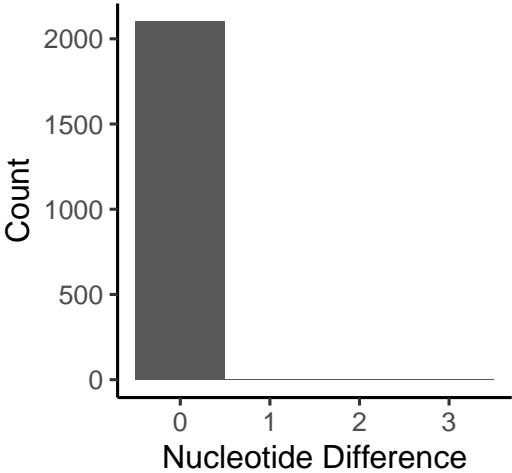
TRBV7–4*ap01

255 sequences assigned
246 (96.5%) exact matches, in which:
246 unique CDR3
12 unique J



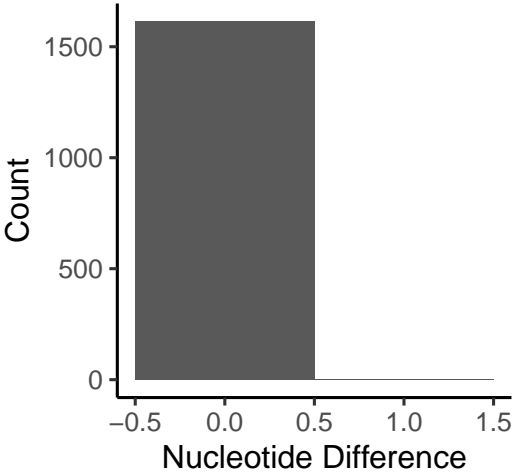
TRBV7-6*ap01

2105 sequences assigned
2102 (99.9%) exact matches, in which:
2100 unique CDR3
13 unique J



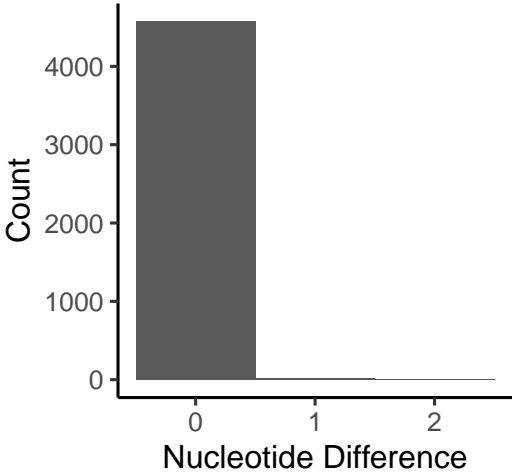
TRBV7-8*ap01

1615 sequences assigned
1614 (99.9%) exact matches, in which:
1613 unique CDR3
13 unique J



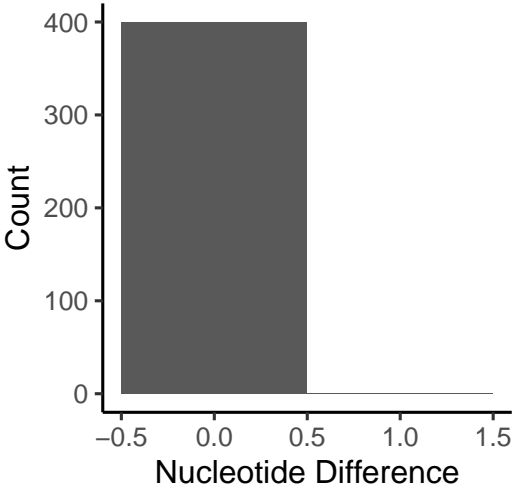
TRBV29-1*ap01

4589 sequences assigned
4574 (99.7%) exact matches, in which:
4564 unique CDR3
13 unique J



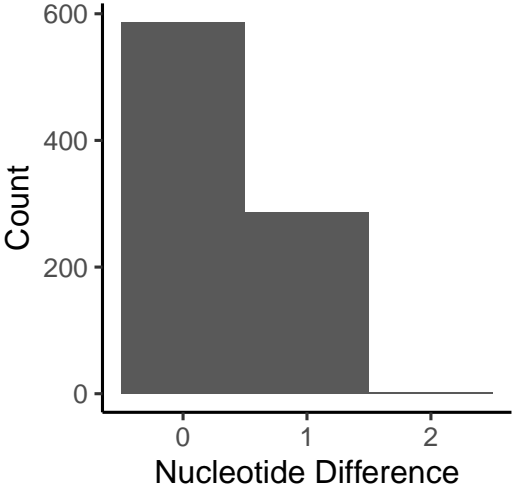
TRBV7-7*ap01

401 sequences assigned
400 (99.8%) exact matches, in which:
400 unique CDR3
12 unique J



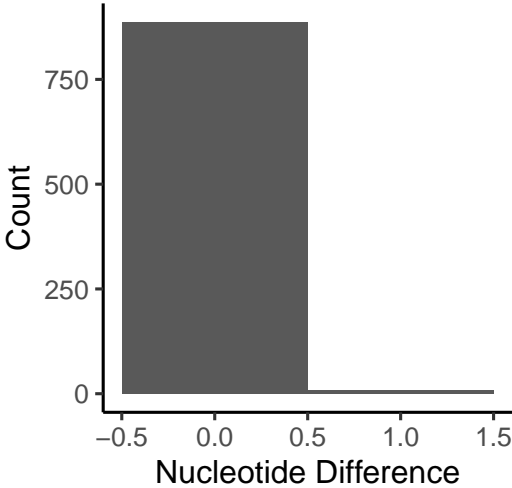
TRBV7-8*ap03

875 sequences assigned
587 (67.1%) exact matches, in which:
586 unique CDR3
12 unique J



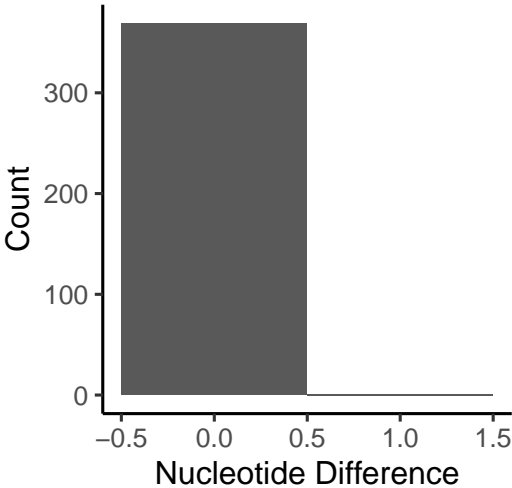
TRBV29-1*ap02

896 sequences assigned
887 (99%) exact matches, in which:
885 unique CDR3
12 unique J



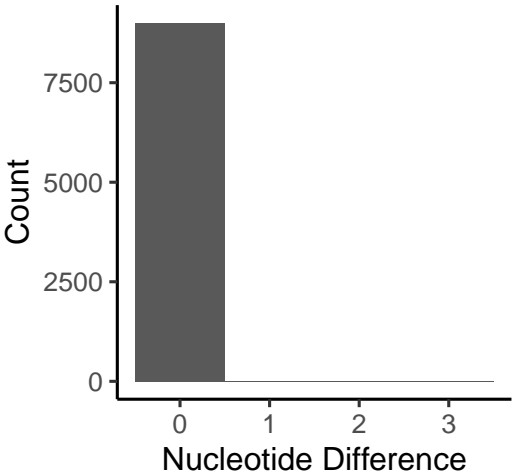
TRBV7-7*ap01_C315T

370 sequences assigned
369 (99.7%) exact matches, in which:
369 unique CDR3
12 unique J

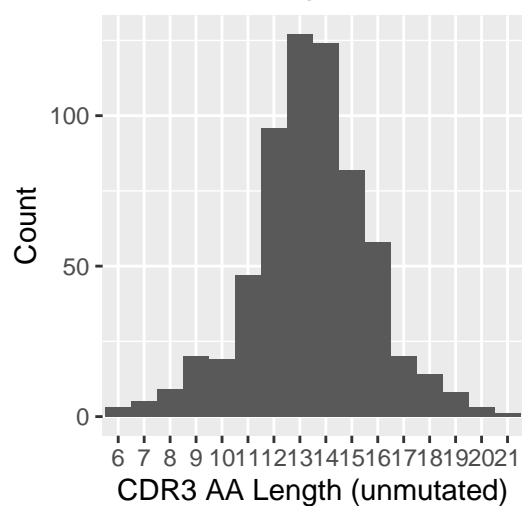


TRBV7-9*ap01

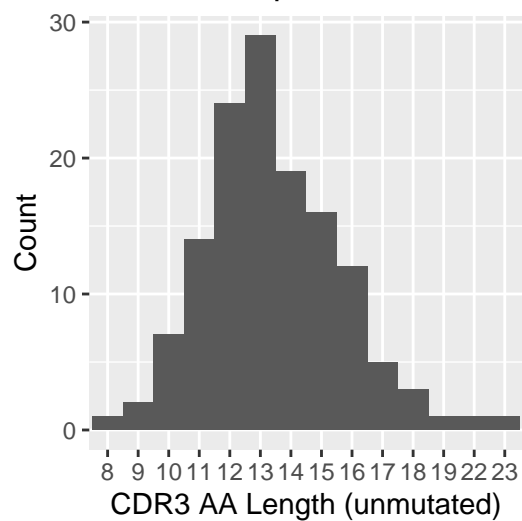
9011 sequences assigned
8998 (99.9%) exact matches, in which:
8994 unique CDR3
13 unique J



TRBV23-1*ap01_T304C



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

