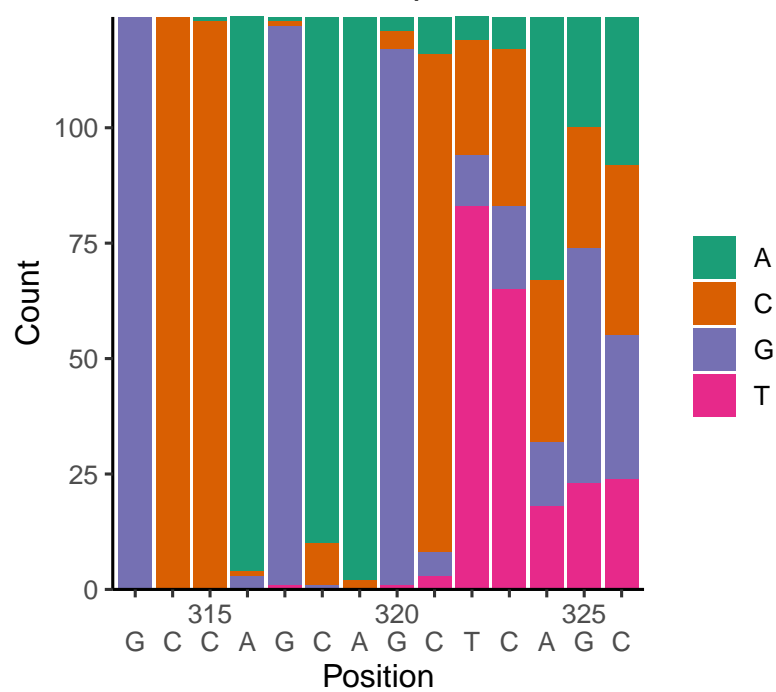
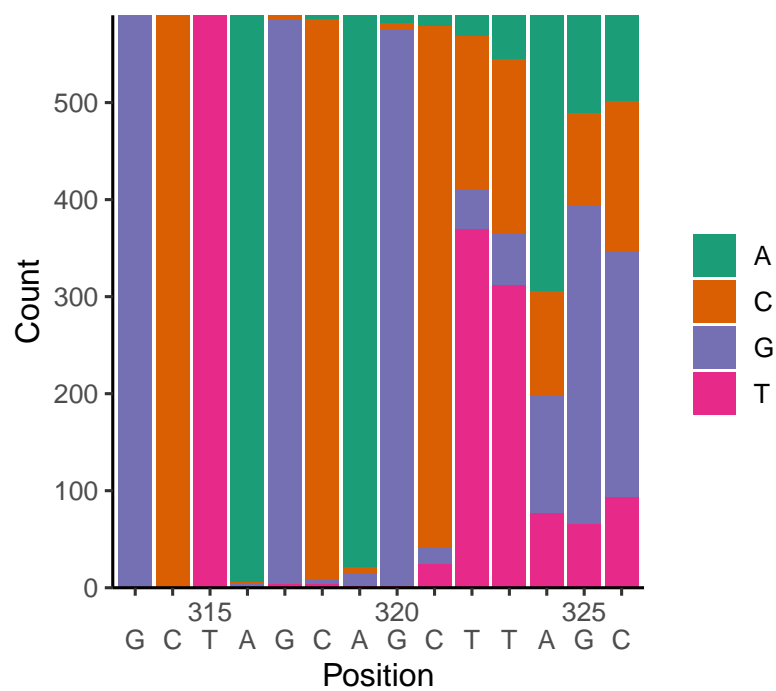


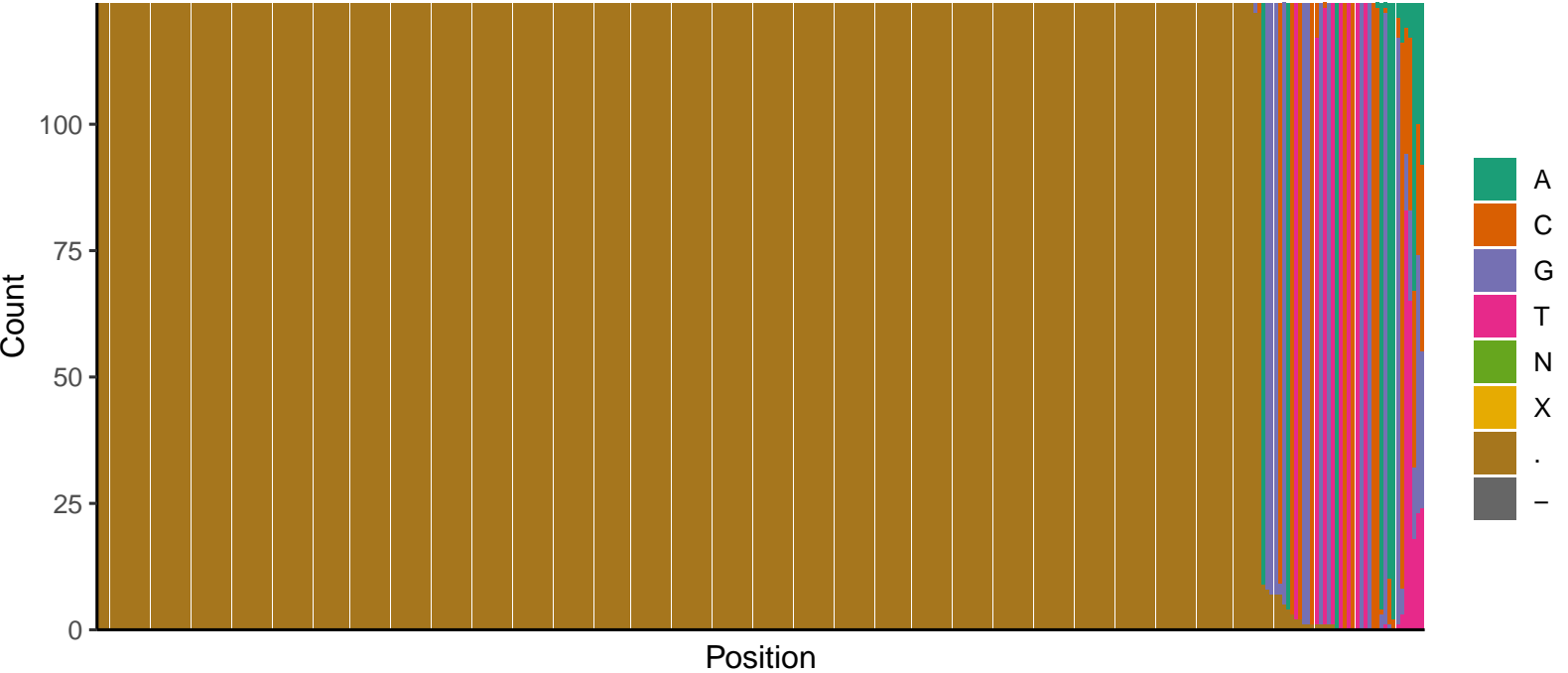
Gene TRBV7-1*ap01_G291C_T296C



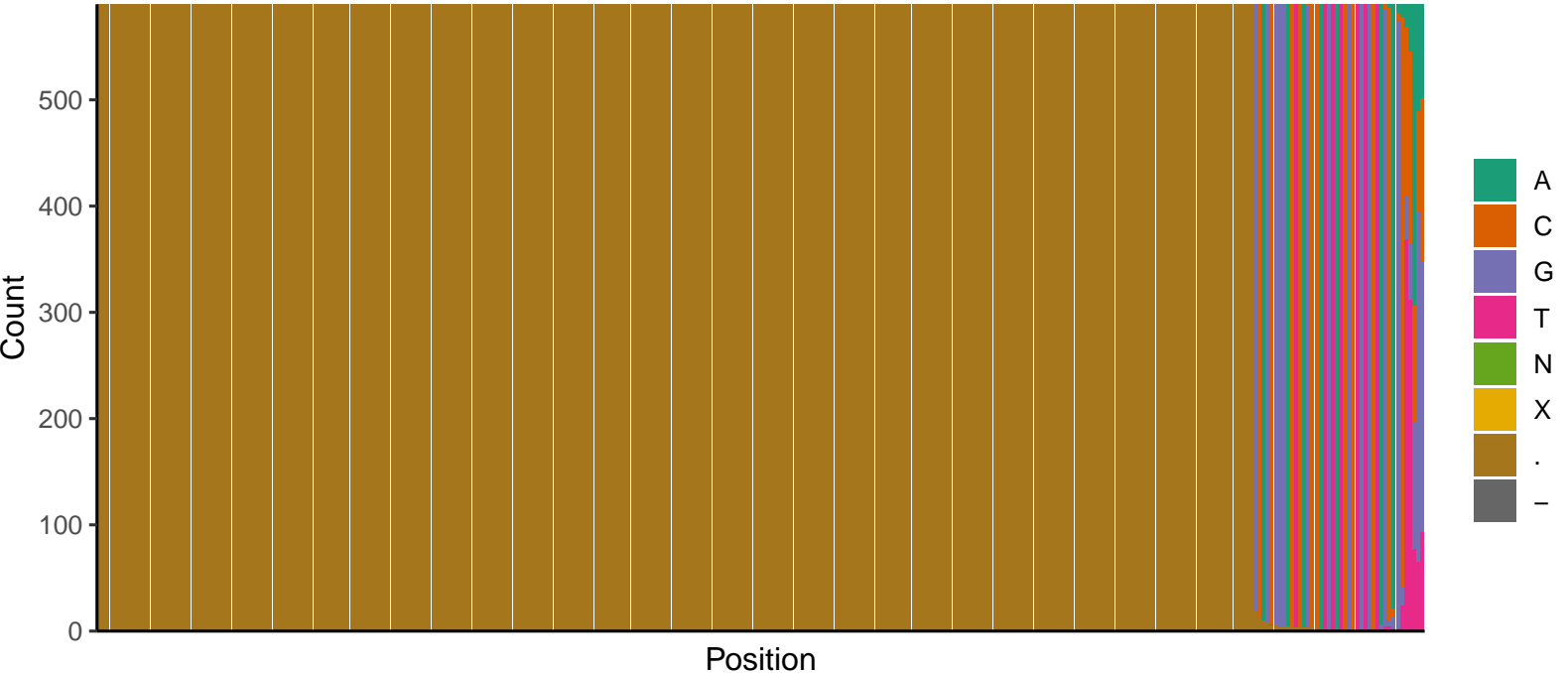
Gene TRBV7-7*ap01_C315T



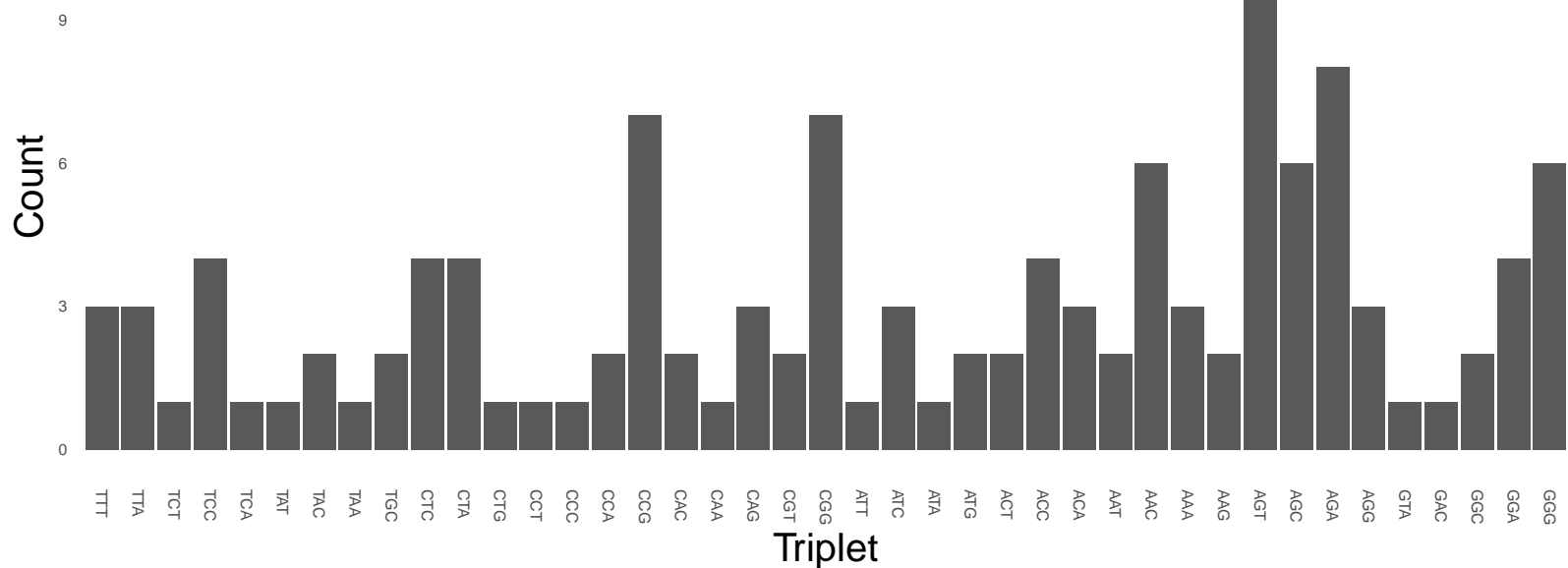
Gene TRBV7-1*ap01_G291C_T296C



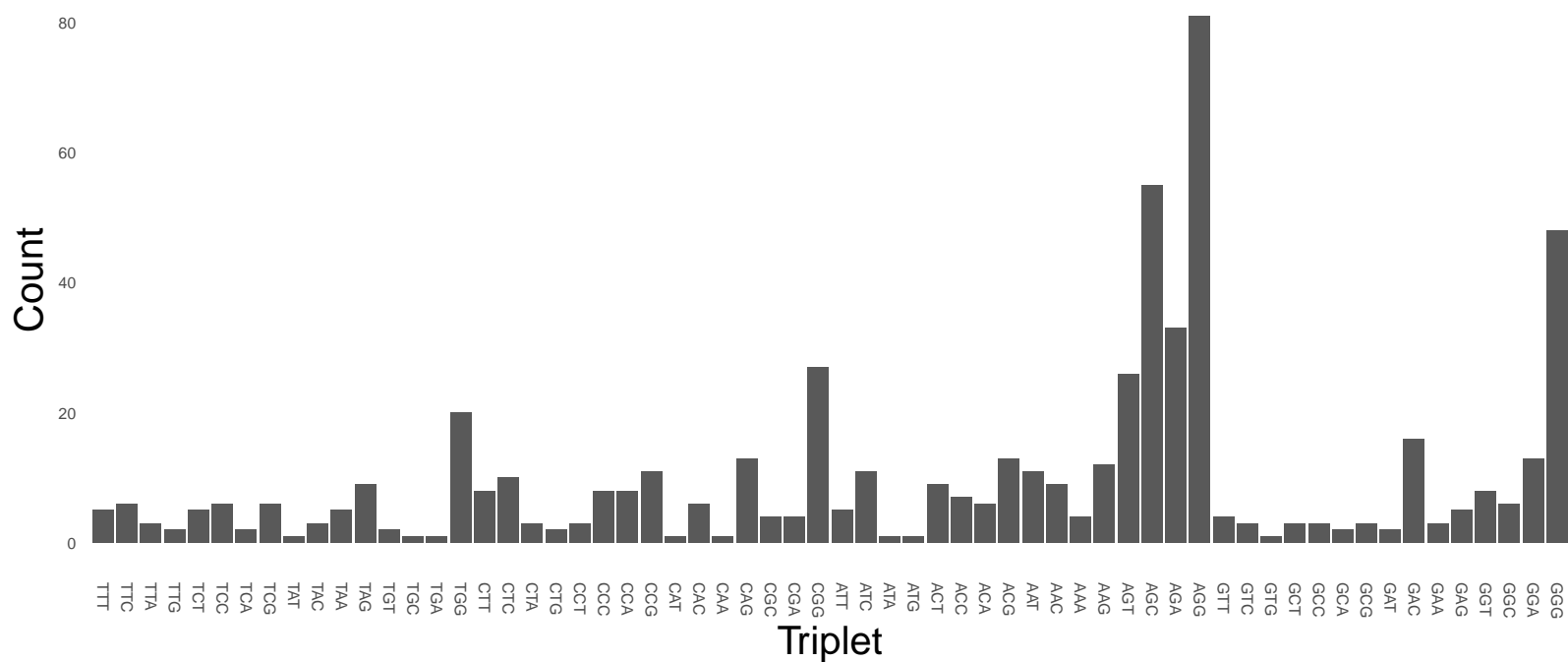
Gene TRBV7-7*ap01_C315T



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

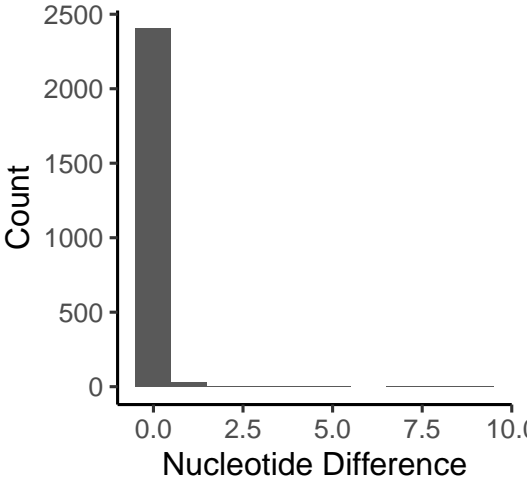


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



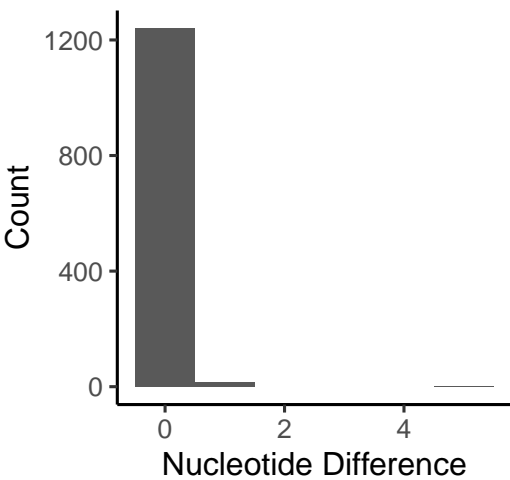
TRBV10-1*ap01

2441 sequences assigned
2405 (98.5%) exact matches, in which:
2354 unique CDR3
13 unique J



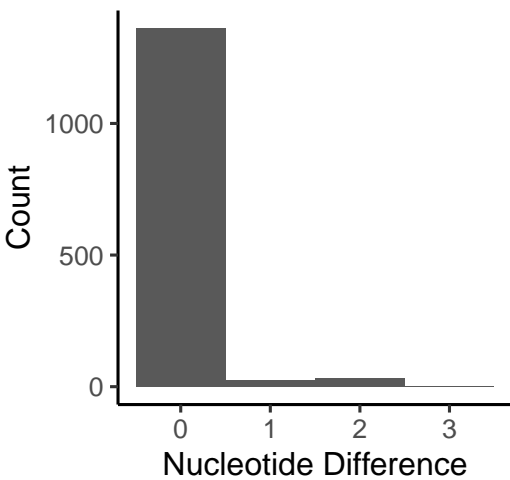
TRBV10-2*ap01

1257 sequences assigned
1240 (98.6%) exact matches, in which:
1199 unique CDR3
13 unique J



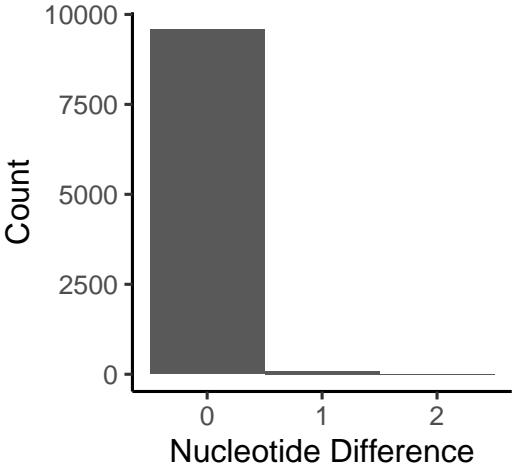
TRBV13*ap01

1417 sequences assigned
1361 (96%) exact matches, in which:
1319 unique CDR3
13 unique J



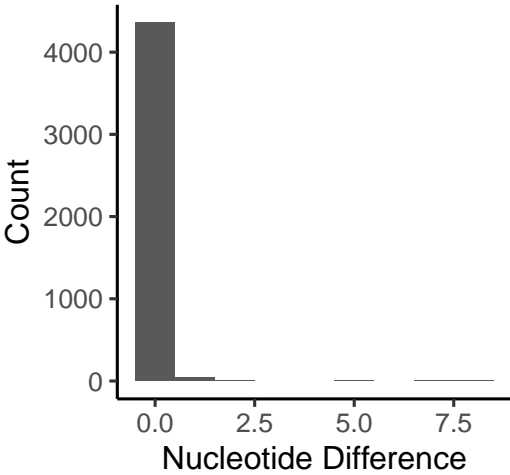
TRBV20-1*ap01

9675 sequences assigned
9582 (99%) exact matches, in which:
9451 unique CDR3
13 unique J



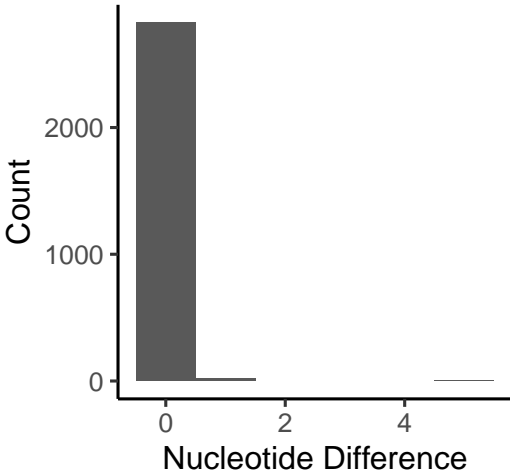
TRBV10-3*ap01

4405 sequences assigned
4358 (98.9%) exact matches, in which:
4274 unique CDR3
13 unique J



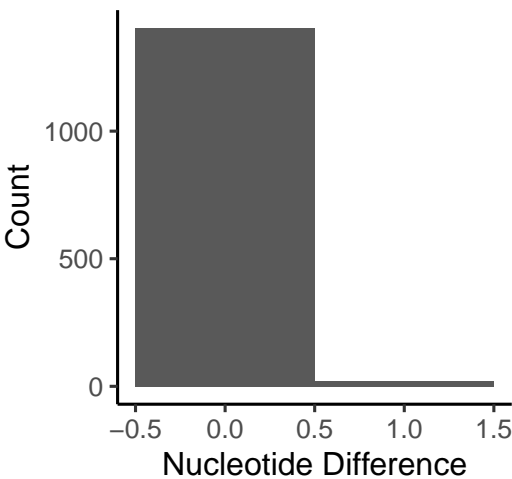
TRBV14*ap01

2849 sequences assigned
2827 (99.2%) exact matches, in which:
2780 unique CDR3
13 unique J



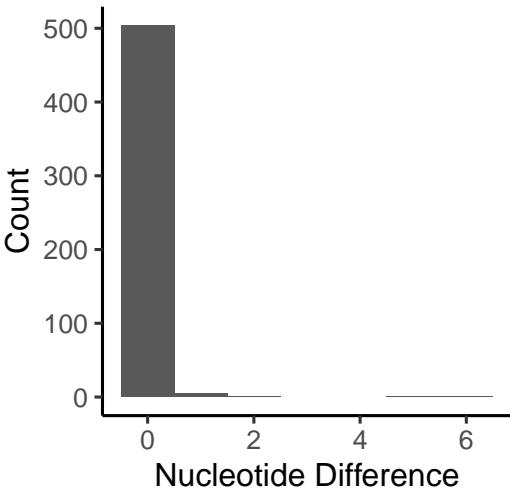
TRBV20-1*ap02

1426 sequences assigned
1404 (98.5%) exact matches, in which:
1384 unique CDR3
13 unique J



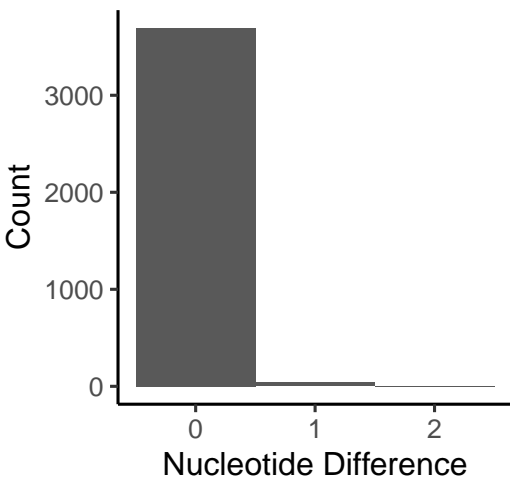
TRBV1*ap01

512 sequences assigned
504 (98.4%) exact matches, in which:
489 unique CDR3
13 unique J



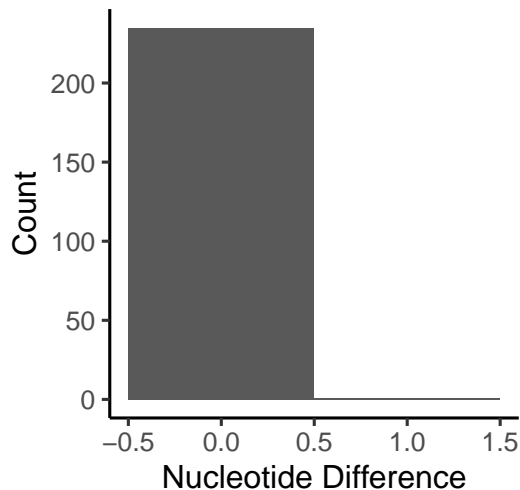
TRBV15*ap02

3734 sequences assigned
3693 (98.9%) exact matches, in which:
3610 unique CDR3
13 unique J



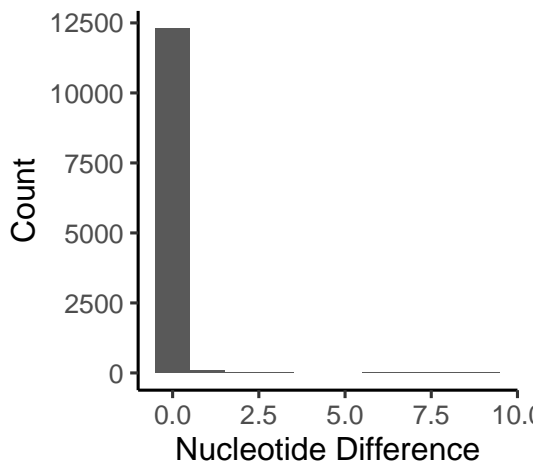
TRBV16*ap01

236 sequences assigned
235 (99.6%) exact matches, in which:
235 unique CDR3
13 unique J



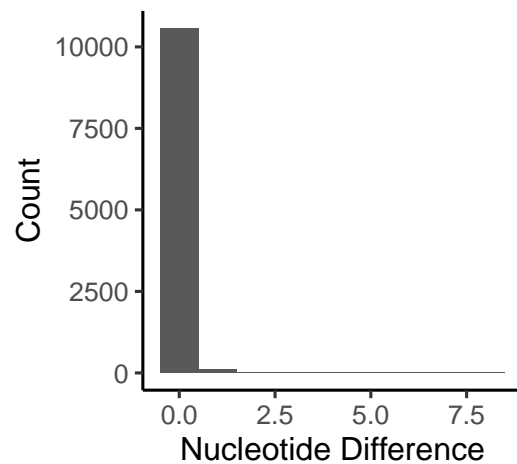
TRBV19*ap01

12427 sequences assigned
12313 (99.1%) exact matches, in which:
12191 unique CDR3
13 unique J



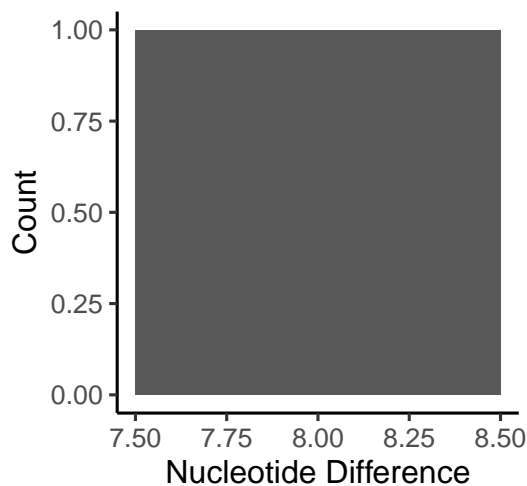
TRBV27*ap01

10722 sequences assigned
10574 (98.6%) exact matches, in which:
10332 unique CDR3
13 unique J



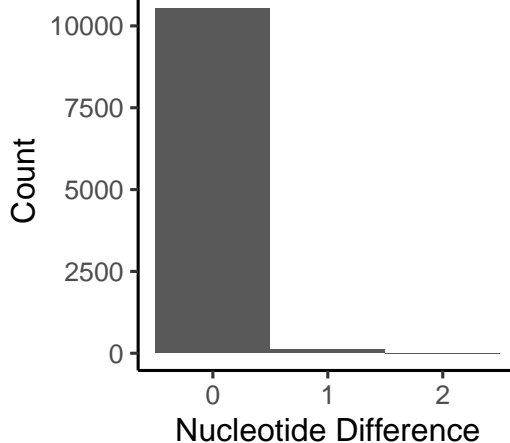
TRBV17*ap01

1 sequences assigned
No exact matches.



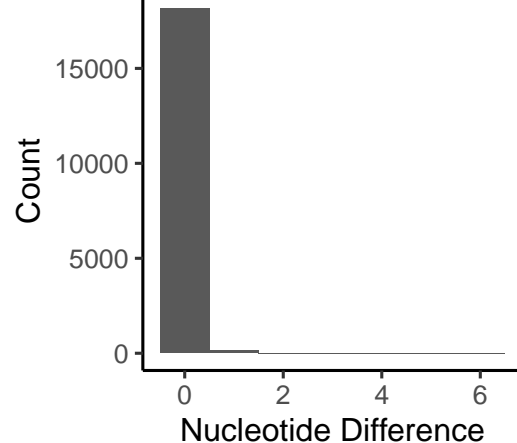
TRBV2*ap01

10657 sequences assigned
10532 (98.8%) exact matches, in which:
10324 unique CDR3
13 unique J



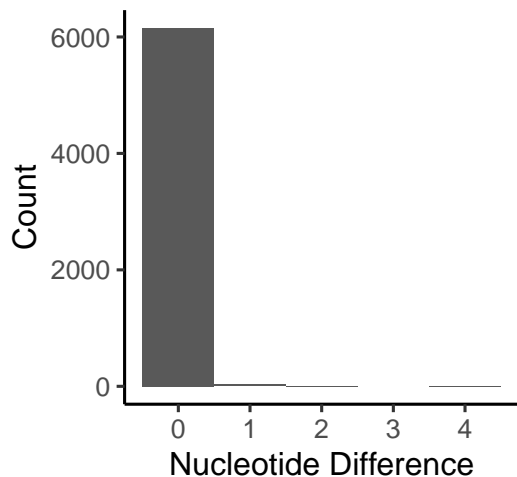
TRBV28*ap01

18304 sequences assigned
18155 (99.2%) exact matches, in which:
17882 unique CDR3
13 unique J



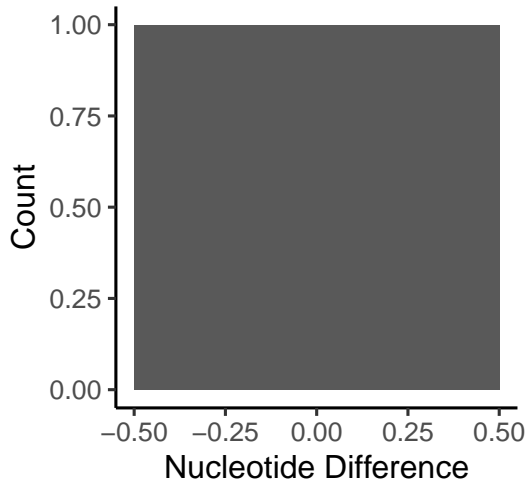
TRBV18*ap01

6191 sequences assigned
6153 (99.4%) exact matches, in which:
6095 unique CDR3
13 unique J



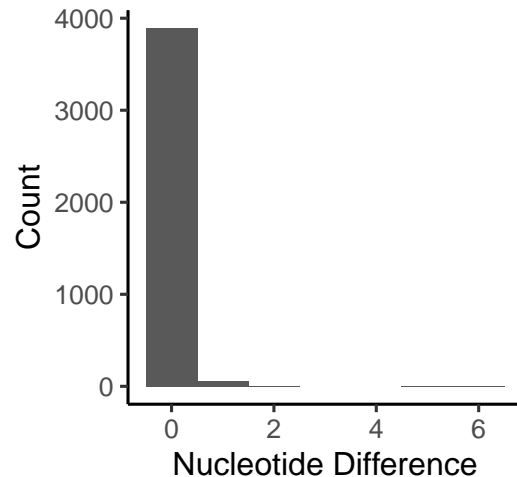
TRBV26*ap01

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



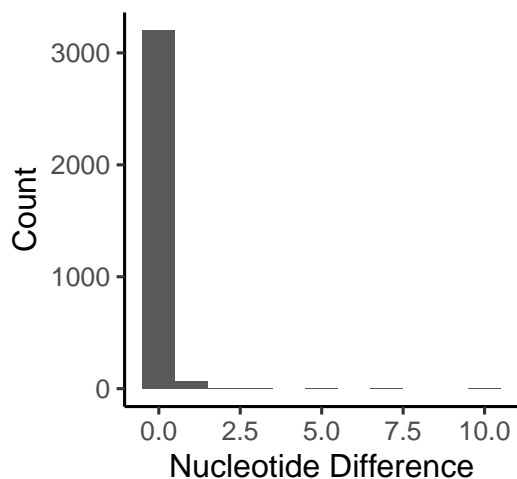
TRBV30*ap01

3958 sequences assigned
3893 (98.4%) exact matches, in which:
3813 unique CDR3
13 unique J



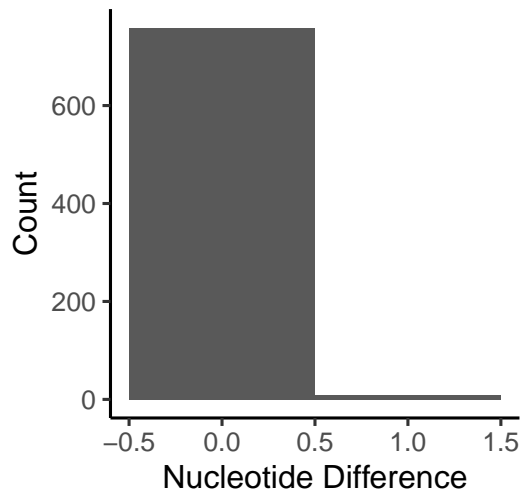
TRBV30*ap02

3274 sequences assigned
3201 (97.8%) exact matches, in which:
3159 unique CDR3
13 unique J



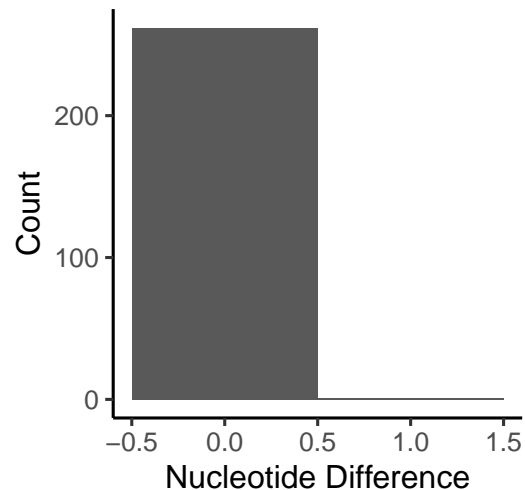
TRBV11-1*ap01

768 sequences assigned
759 (98.8%) exact matches, in which:
750 unique CDR3
13 unique J



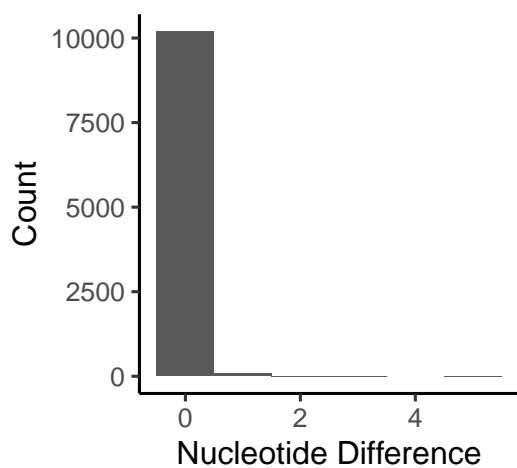
TRBV12-1*ap01

263 sequences assigned
262 (99.6%) exact matches, in which:
256 unique CDR3
13 unique J



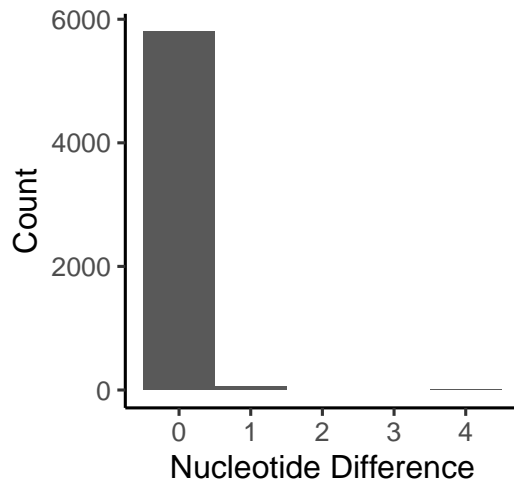
TRBV9*ap01

10281 sequences assigned
10194 (99.2%) exact matches, in which:
10022 unique CDR3
14 unique J



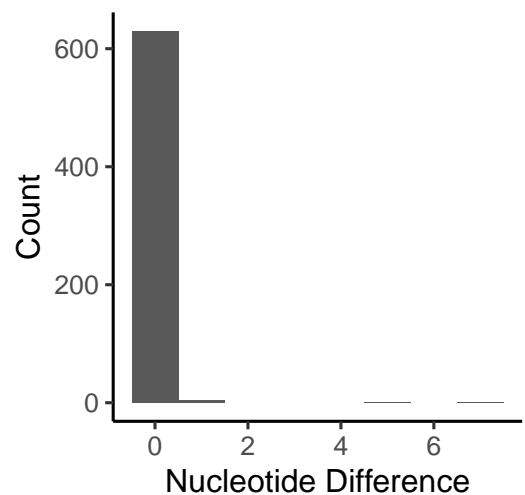
TRBV11-2*ap01

5848 sequences assigned
5798 (99.1%) exact matches, in which:
5681 unique CDR3
13 unique J



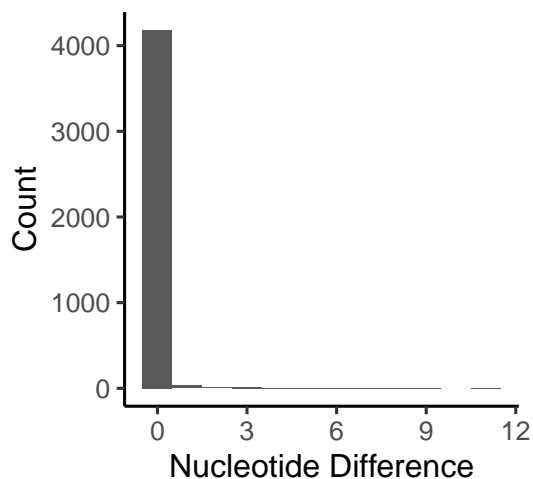
TRBV12-2*ap01

637 sequences assigned
630 (98.9%) exact matches, in which:
617 unique CDR3
13 unique J



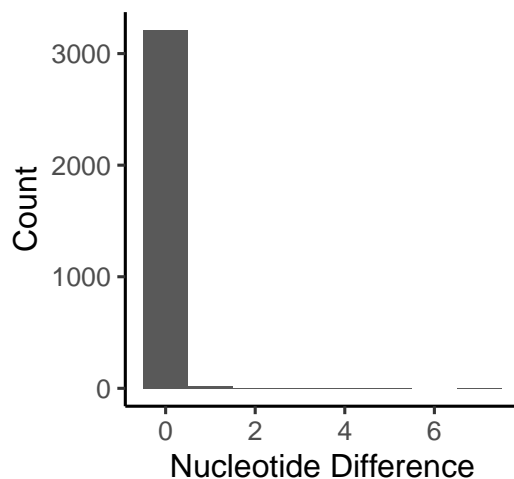
TRBV21-1*ap01

4256 sequences assigned
4182 (98.3%) exact matches, in which:
4122 unique CDR3
13 unique J



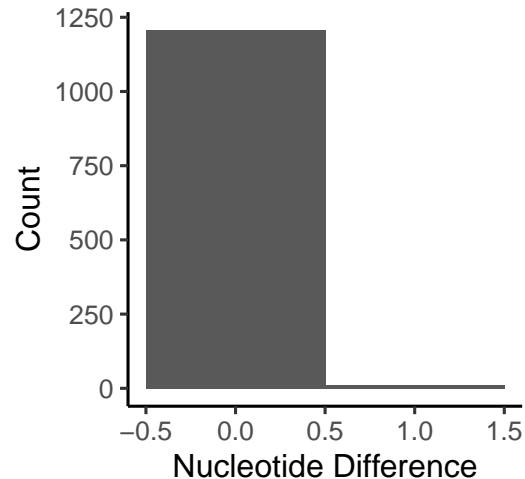
TRBV11-3*ap01

3240 sequences assigned
3211 (99.1%) exact matches, in which:
3166 unique CDR3
13 unique J



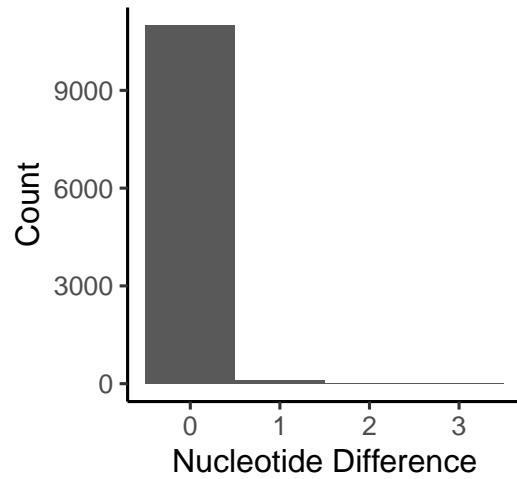
TRBV12-5*ap01

1219 sequences assigned
1207 (99%) exact matches, in which:
1193 unique CDR3
13 unique J



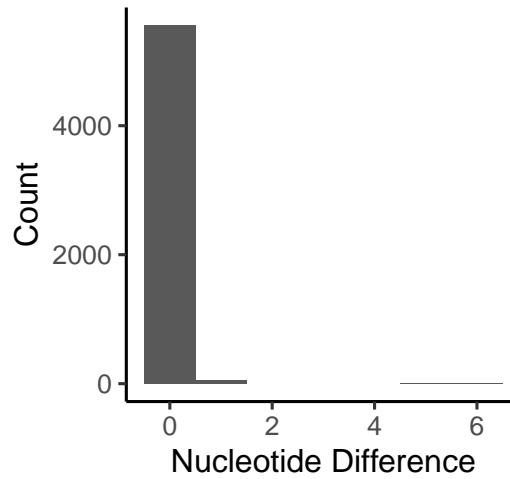
TRBV12-34*ap01

11102 sequences assigned
10993 (99%) exact matches, in which:
10797 unique CDR3
13 unique J



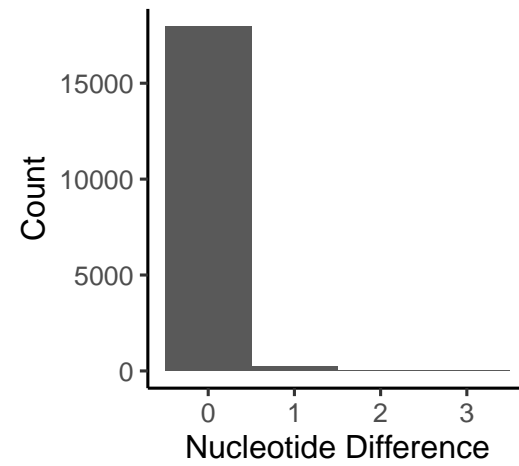
TRBV4-1*ap01

5606 sequences assigned
5555 (99.1%) exact matches, in which:
5419 unique CDR3
13 unique J



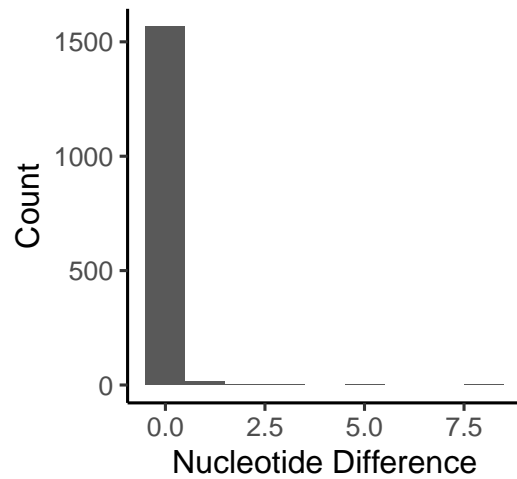
TRBV5-1*ap01

18199 sequences assigned
17975 (98.8%) exact matches, in which:
17564 unique CDR3
13 unique J



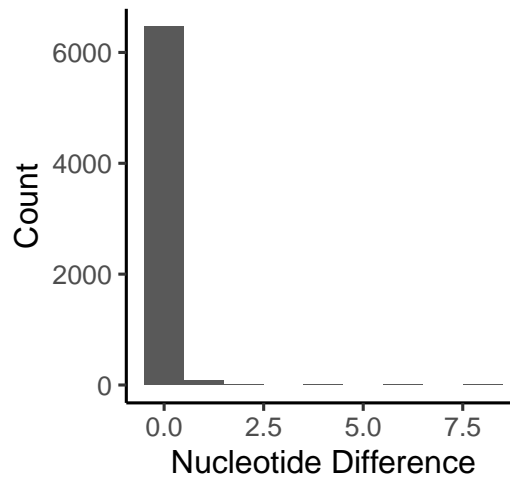
TRBV23-1*ap01

1590 sequences assigned
1566 (98.5%) exact matches, in which:
1540 unique CDR3
13 unique J



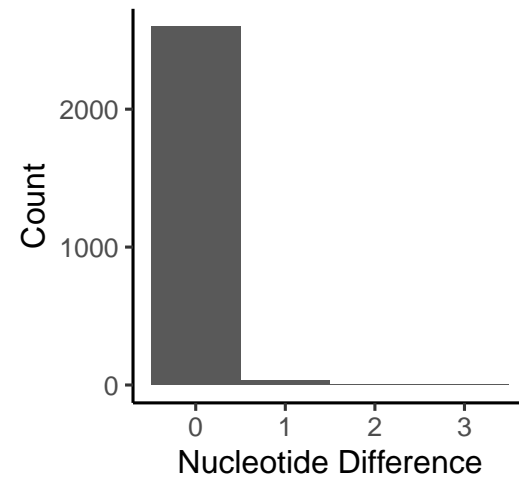
TRBV24-1*ap01

6552 sequences assigned
6464 (98.7%) exact matches, in which:
6360 unique CDR3
13 unique J



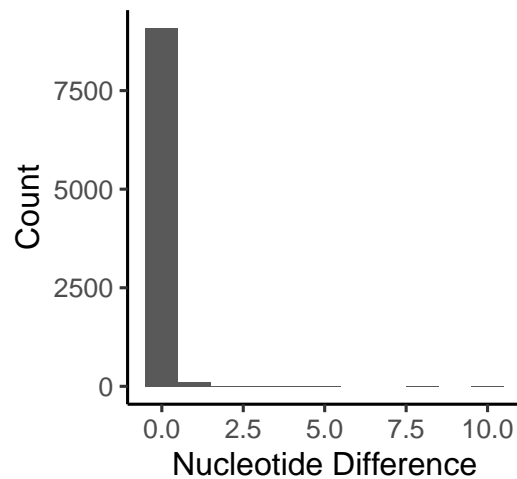
TRBV25-1*ap01

2637 sequences assigned
2598 (98.5%) exact matches, in which:
2544 unique CDR3
13 unique J



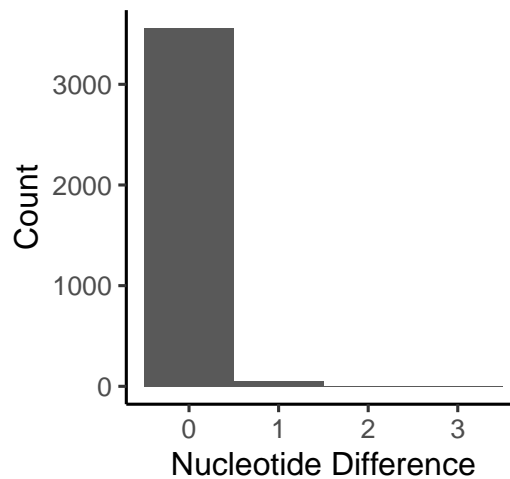
TRBV3-12*ap01

9214 sequences assigned
9087 (98.6%) exact matches, in which:
8911 unique CDR3
13 unique J



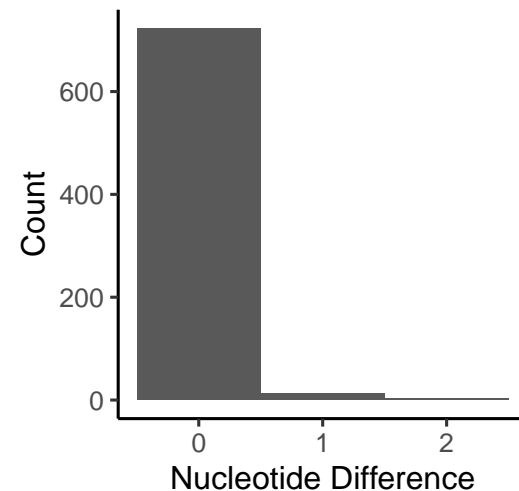
TRBV4-2*ap01

3613 sequences assigned
3559 (98.5%) exact matches, in which:
3480 unique CDR3
13 unique J



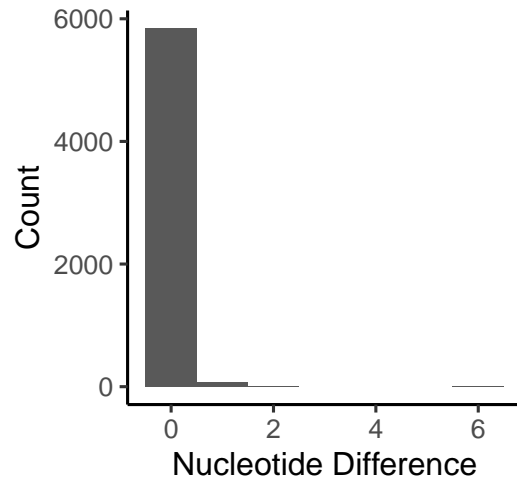
TRBV5-3*ap01

738 sequences assigned
723 (98%) exact matches, in which:
707 unique CDR3
13 unique J



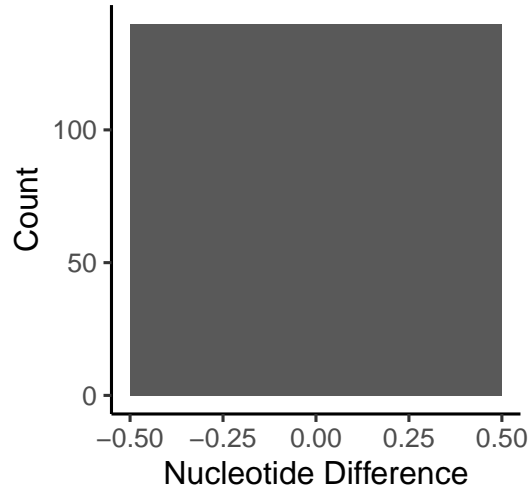
TRBV5-4*ap01

5912 sequences assigned
5843 (98.8%) exact matches, in which:
5729 unique CDR3
13 unique J



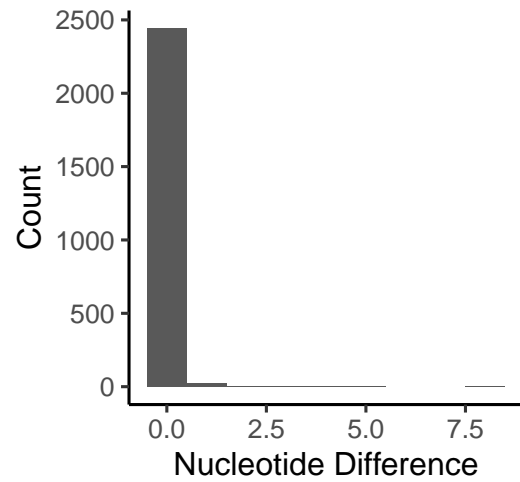
TRBV5-7*ap01

140 sequences assigned
140 (100%) exact matches, in which:
138 unique CDR3
13 unique J



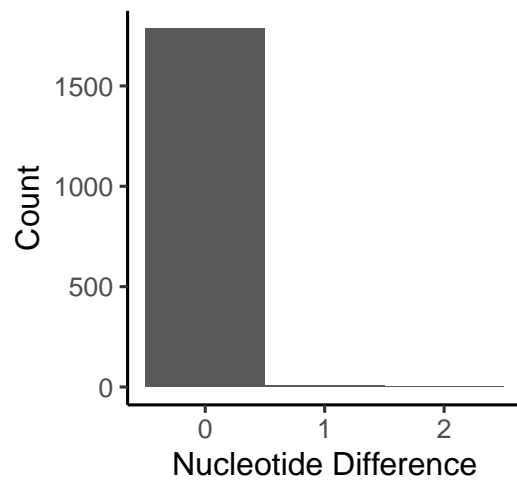
TRBV6-4*ap01

2475 sequences assigned
2442 (98.7%) exact matches, in which:
2407 unique CDR3
13 unique J



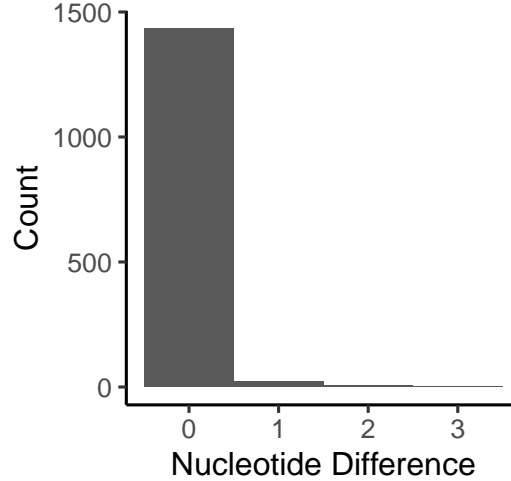
TRBV5-5*ap01

1795 sequences assigned
1785 (99.4%) exact matches, in which:
1769 unique CDR3
13 unique J



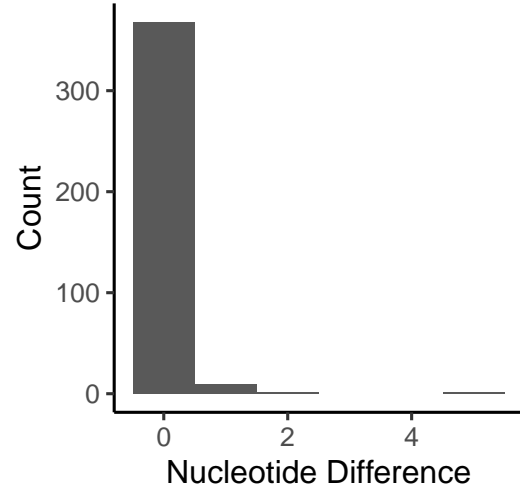
TRBV5-8*ap01

1465 sequences assigned
1433 (97.8%) exact matches, in which:
1417 unique CDR3
13 unique J



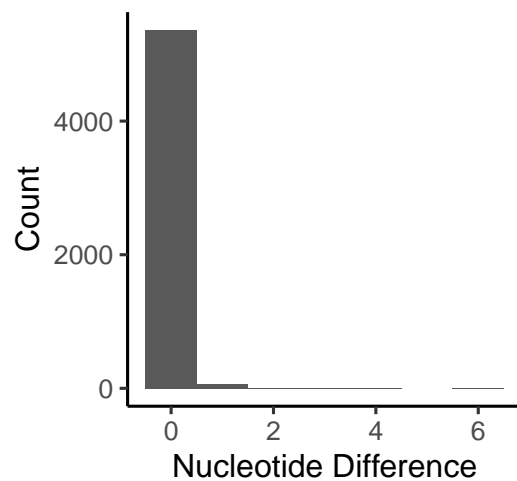
TRBV6-7*ap01

379 sequences assigned
368 (97.1%) exact matches, in which:
361 unique CDR3
13 unique J



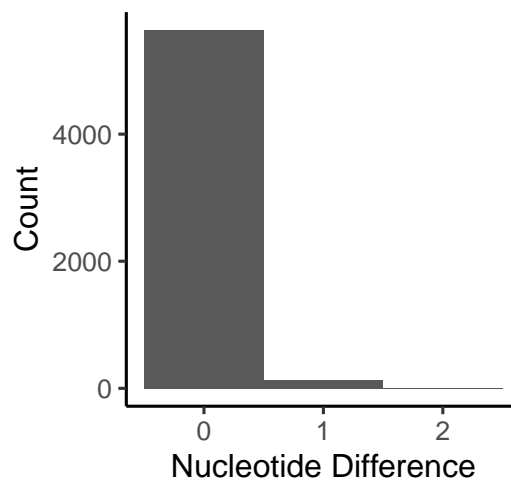
TRBV5-6*ap01

5435 sequences assigned
5363 (98.7%) exact matches, in which:
5231 unique CDR3
13 unique J



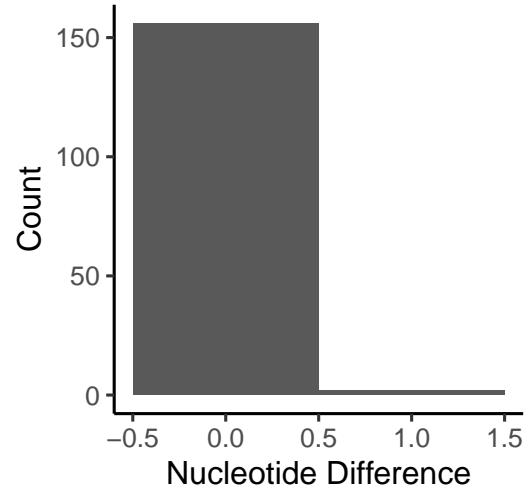
TRBV6-1*ap01

5768 sequences assigned
5638 (97.7%) exact matches, in which:
5492 unique CDR3
13 unique J



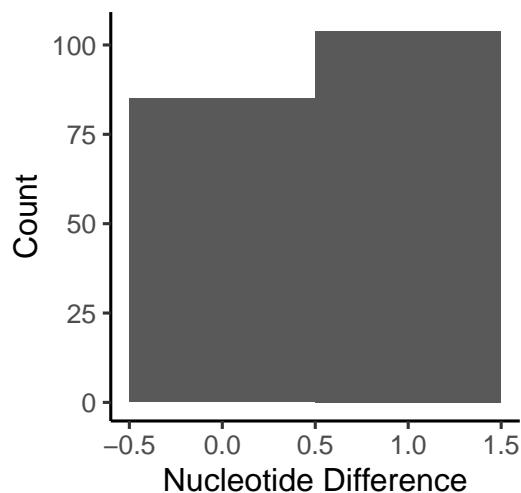
TRBV6-8*ap01

158 sequences assigned
156 (98.7%) exact matches, in which:
150 unique CDR3
13 unique J



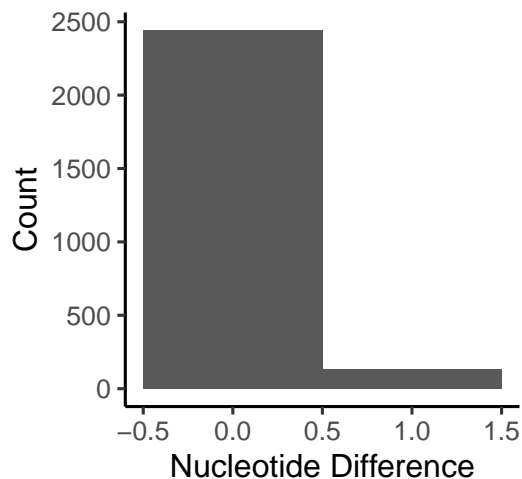
TRBV6-9*ap01

189 sequences assigned
85 (45%) exact matches, in which:
80 unique CDR3
12 unique J



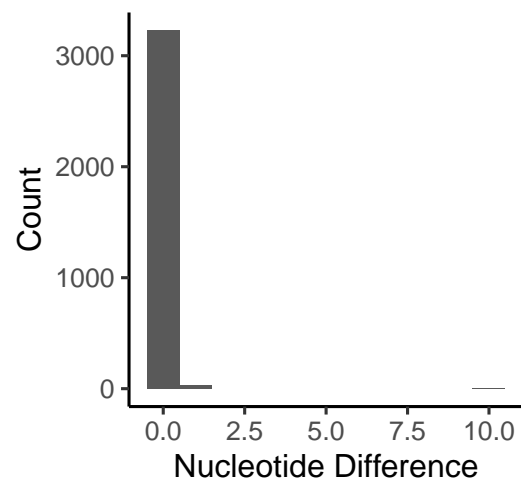
TRBV6-56*ap02

2576 sequences assigned
2441 (94.8%) exact matches, in which:
2374 unique CDR3
13 unique J



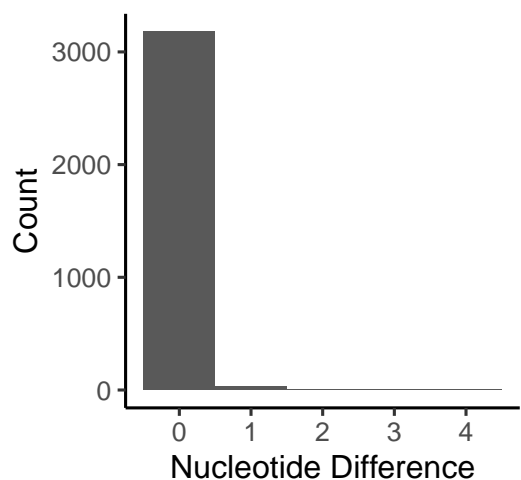
TRBV7-3*ap01

3257 sequences assigned
3228 (99.1%) exact matches, in which:
3187 unique CDR3
13 unique J



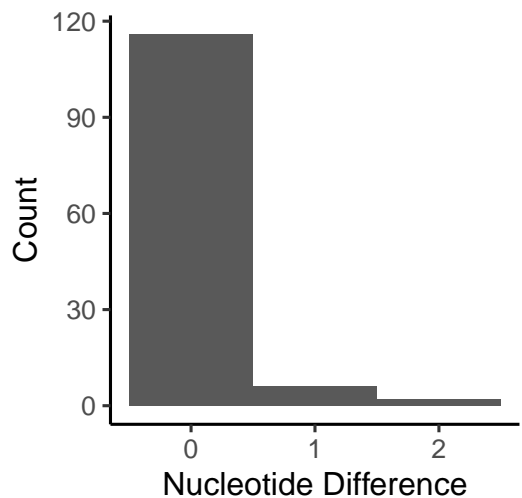
TRBV6-23*ap01

3218 sequences assigned
3179 (98.8%) exact matches, in which:
3108 unique CDR3
13 unique J



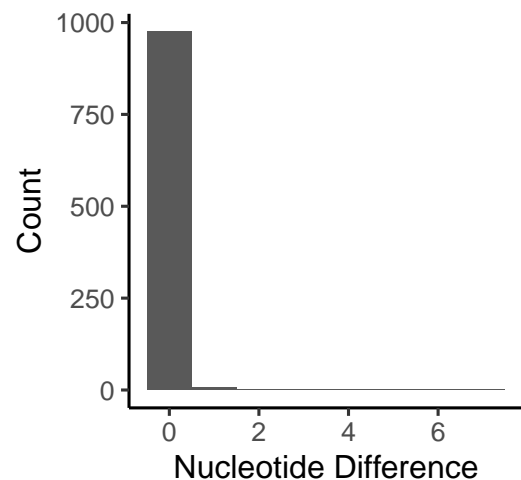
TRBV7-1*ap01_G291C_

124 sequences assigned
116 (93.5%) exact matches, in which:
116 unique CDR3
12 unique J



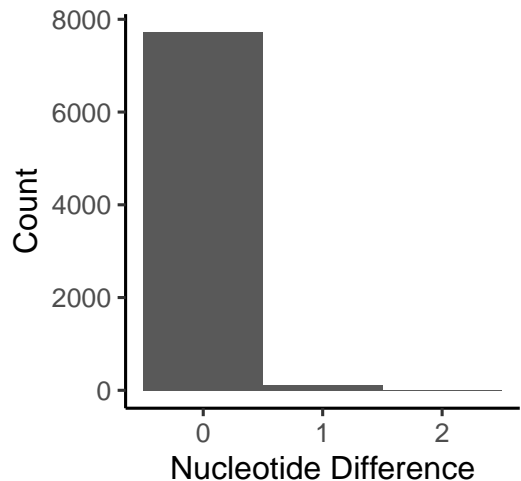
TRBV7-3*ap02

991 sequences assigned
975 (98.4%) exact matches, in which:
964 unique CDR3
13 unique J



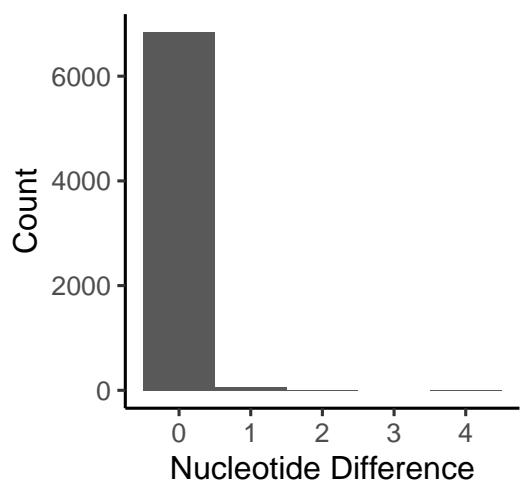
TRBV6-56*ap01

7844 sequences assigned
7725 (98.5%) exact matches, in which:
7560 unique CDR3
13 unique J



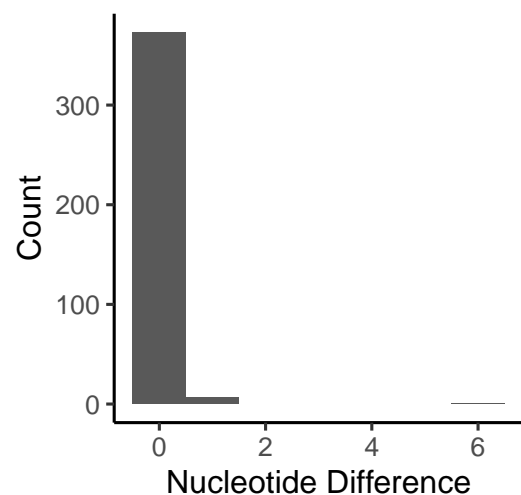
TRBV7-2*ap01

6906 sequences assigned
6843 (99.1%) exact matches, in which:
6735 unique CDR3
13 unique J



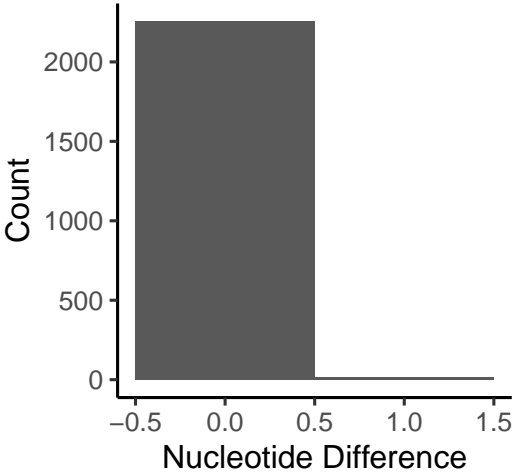
TRBV7-4*ap01

381 sequences assigned
373 (97.9%) exact matches, in which:
366 unique CDR3
13 unique J



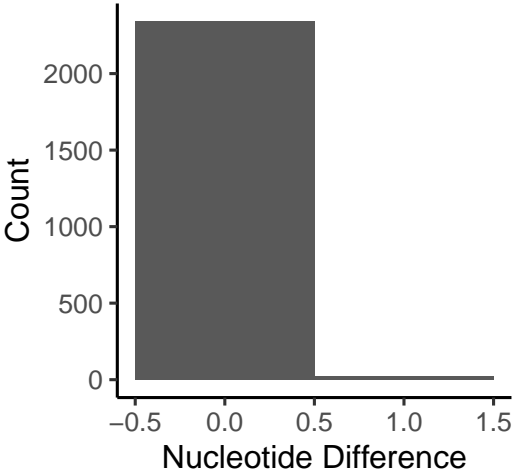
TRBV7-6*ap01

2271 sequences assigned
2255 (99.3%) exact matches, in which:
2223 unique CDR3
13 unique J



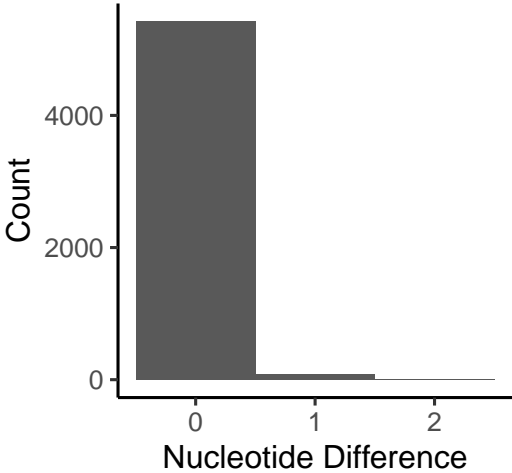
TRBV7-8*ap01

2366 sequences assigned
2341 (98.9%) exact matches, in which:
2298 unique CDR3
13 unique J



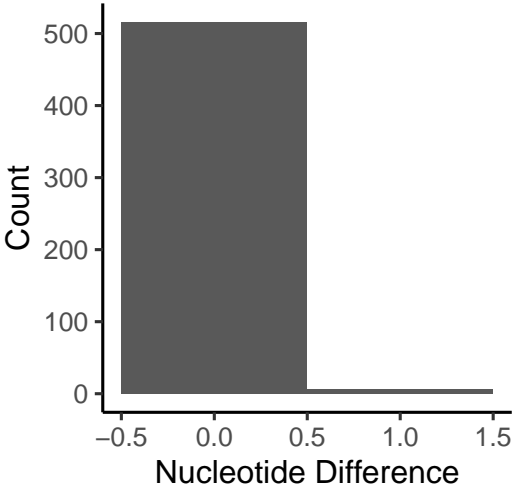
TRBV29-1*ap01

5515 sequences assigned
5423 (98.3%) exact matches, in which:
5324 unique CDR3
13 unique J



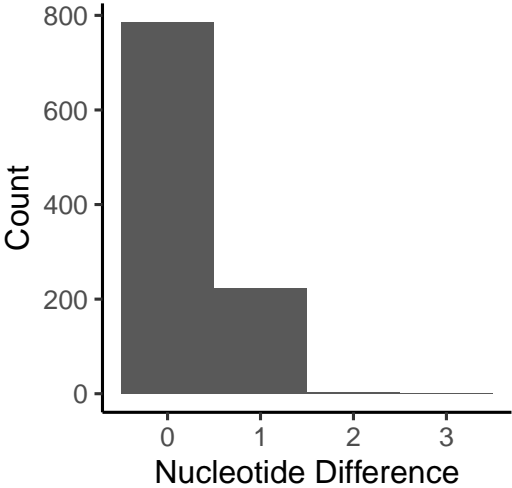
TRBV7-7*ap01

522 sequences assigned
516 (98.9%) exact matches, in which:
505 unique CDR3
13 unique J



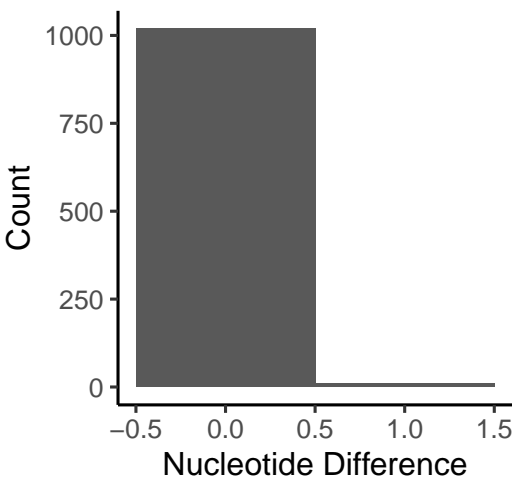
TRBV7-8*ap03

1015 sequences assigned
786 (77.4%) exact matches, in which:
769 unique CDR3
13 unique J



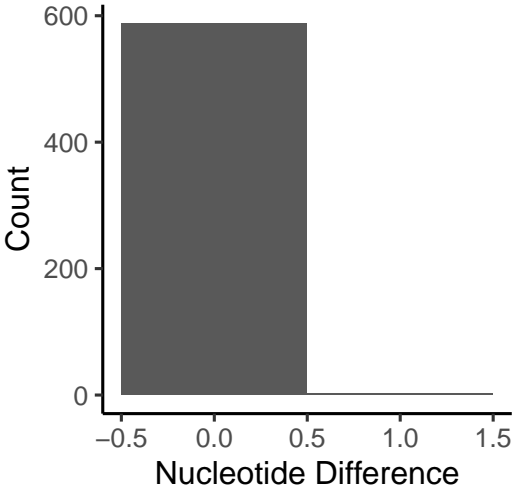
TRBV29-1*ap02

1029 sequences assigned
1019 (99%) exact matches, in which:
1002 unique CDR3
13 unique J



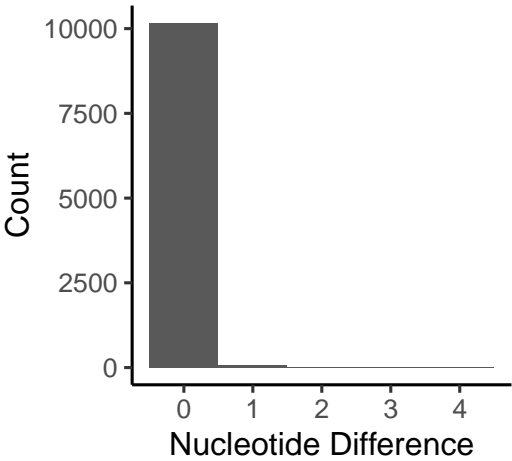
TRBV7-7*ap01_C315T

590 sequences assigned
588 (99.7%) exact matches, in which:
579 unique CDR3
13 unique J

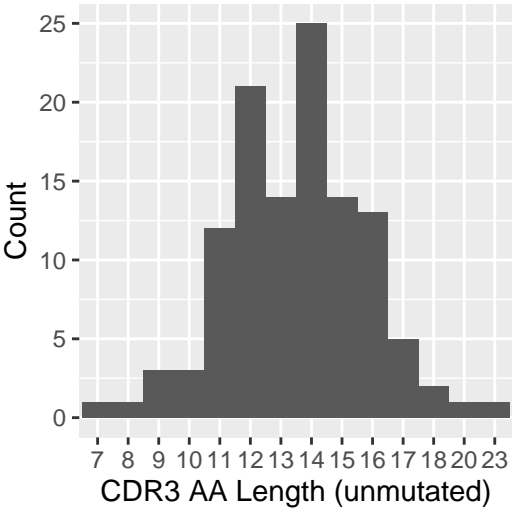


TRBV7-9*ap01

10246 sequences assigned
10172 (99.3%) exact matches, in which:
10013 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

