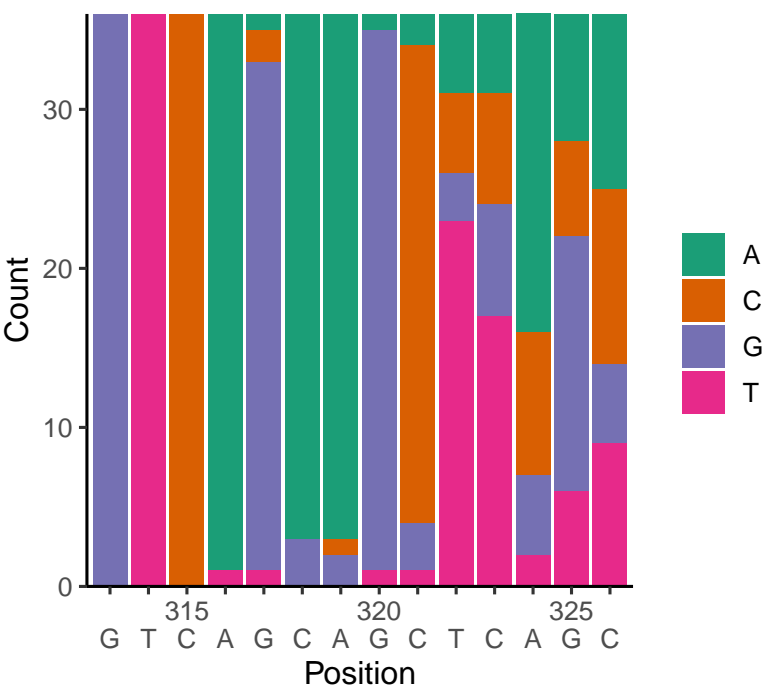
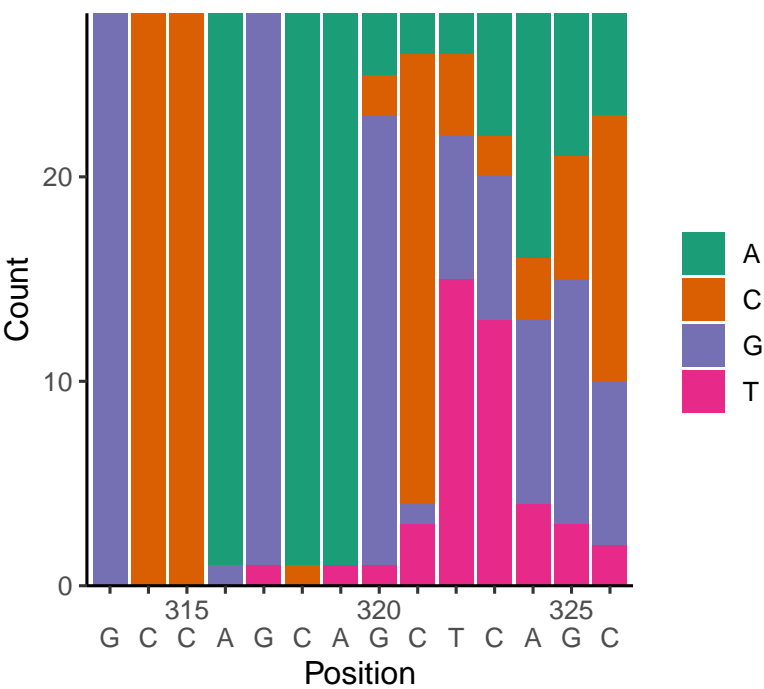


Gene TRBV7-1*ap01_G291C_T296C_C314T



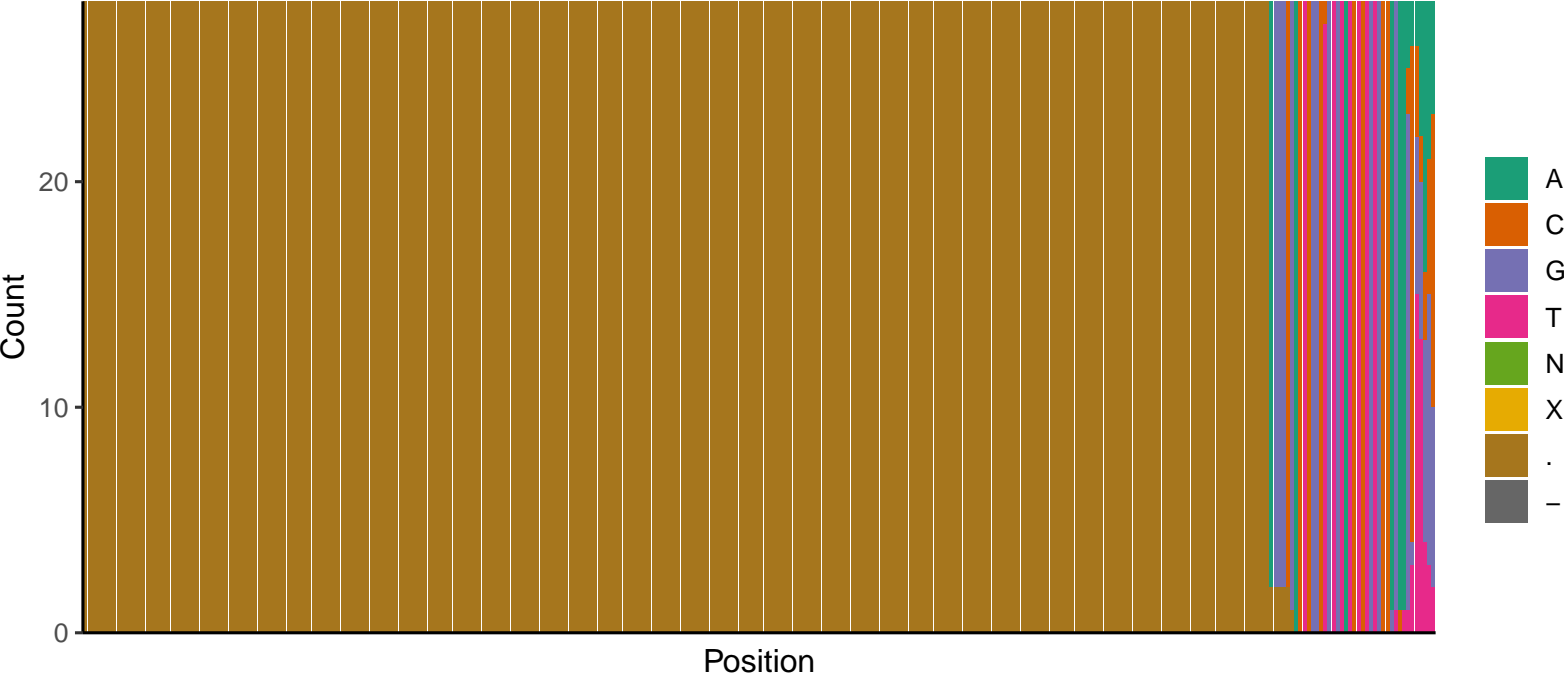
Gene TRBV7-1*ap01_G291C_T296C



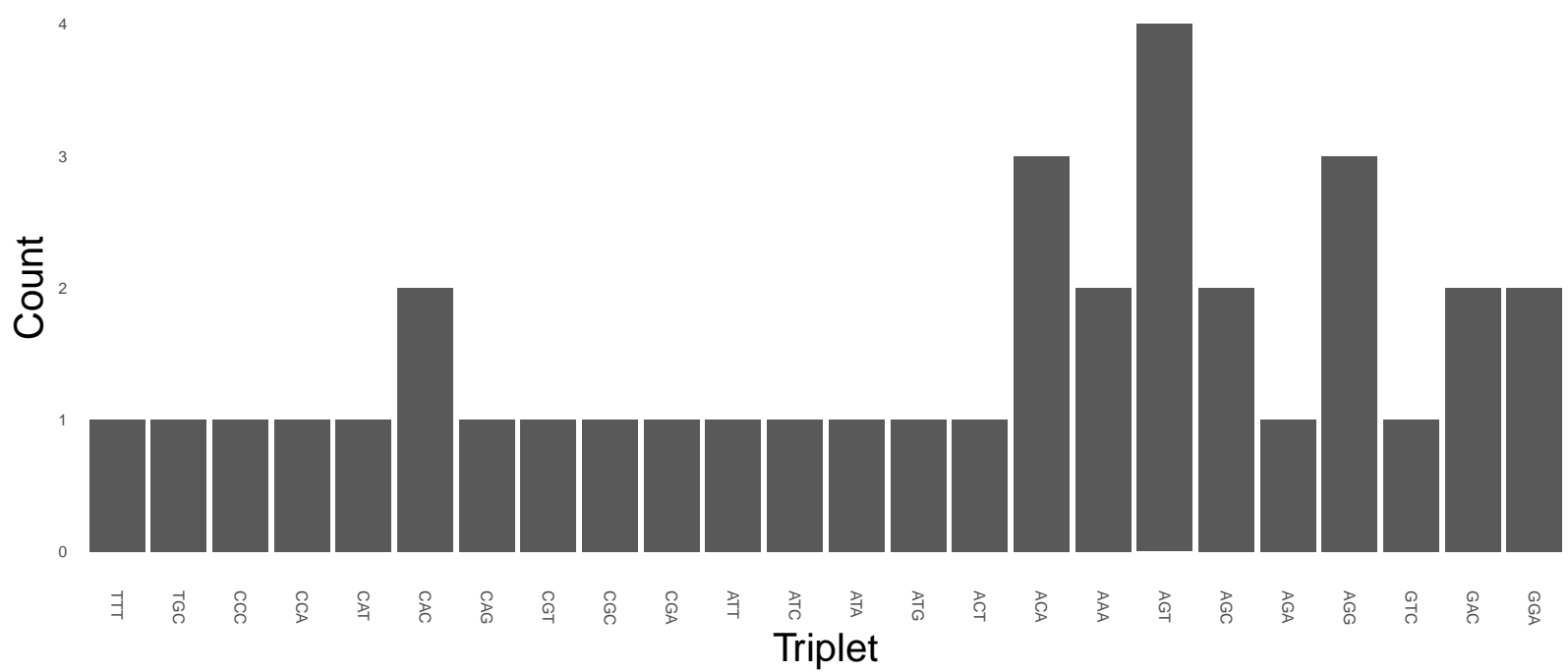
Gene TRBV7-1*ap01_G291C_T296C_C314T



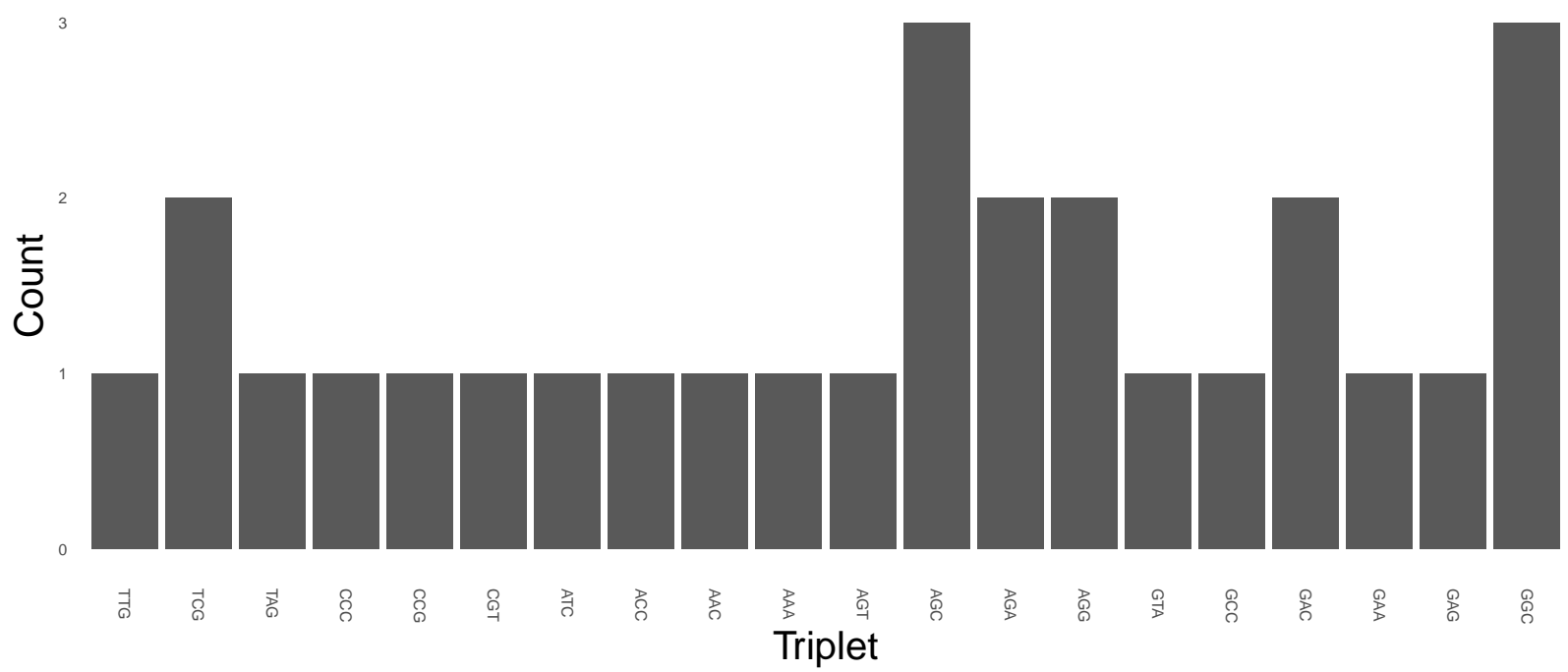
Gene TRBV7-1*ap01_G291C_T296C



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

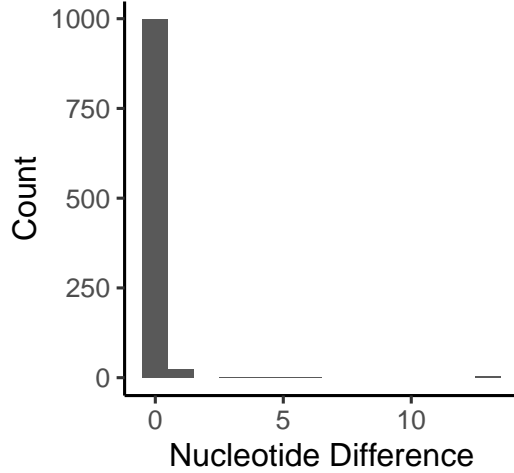


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



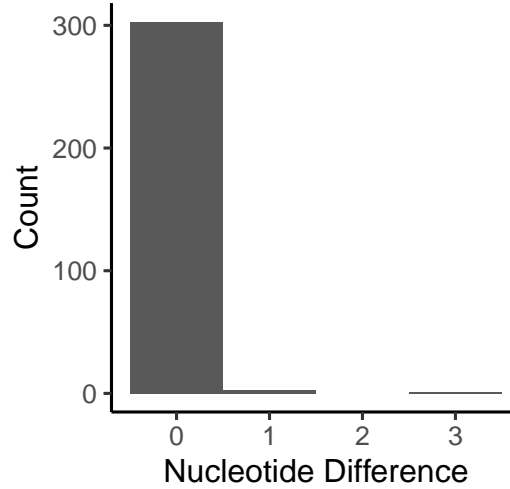
TRBV10-1*ap01

1031 sequences assigned
998 (96.8%) exact matches, in which:
977 unique CDR3
13 unique J



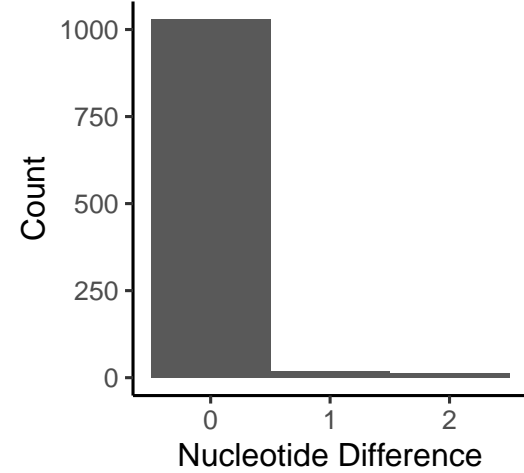
TRBV10-2*ap01

307 sequences assigned
303 (98.7%) exact matches, in which:
298 unique CDR3
13 unique J



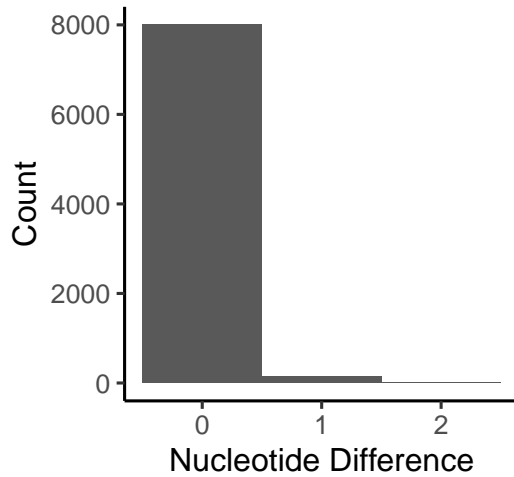
TRBV13*ap01

1061 sequences assigned
1029 (97%) exact matches, in which:
1007 unique CDR3
14 unique J



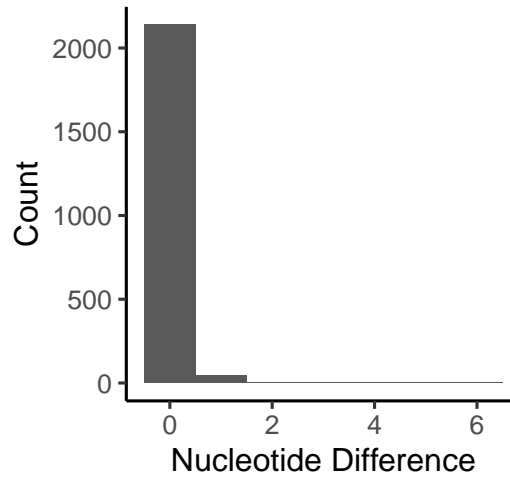
TRBV20-1*ap01

8144 sequences assigned
8003 (98.3%) exact matches, in which:
7817 unique CDR3
13 unique J



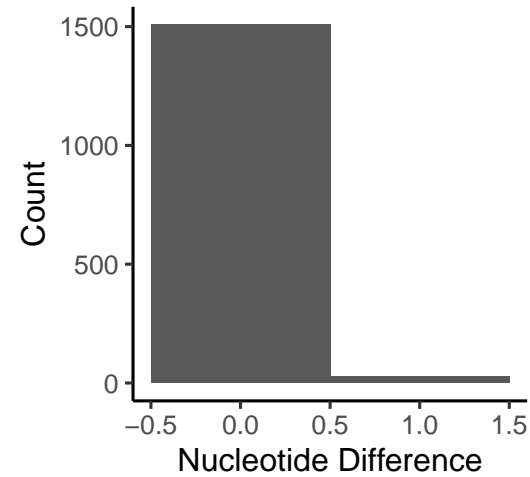
TRBV10-3*ap01

2189 sequences assigned
2139 (97.7%) exact matches, in which:
2114 unique CDR3
13 unique J



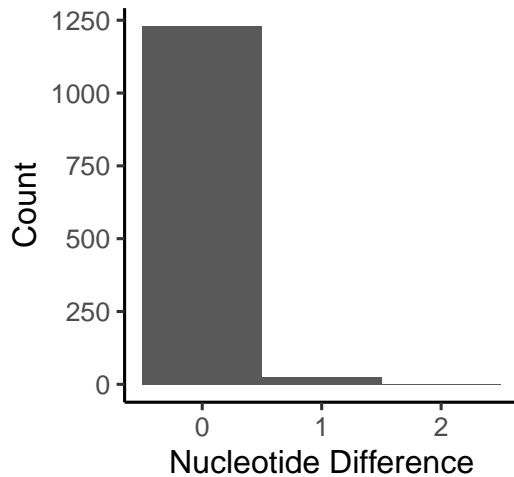
TRBV14*ap01

1534 sequences assigned
1508 (98.3%) exact matches, in which:
1497 unique CDR3
13 unique J



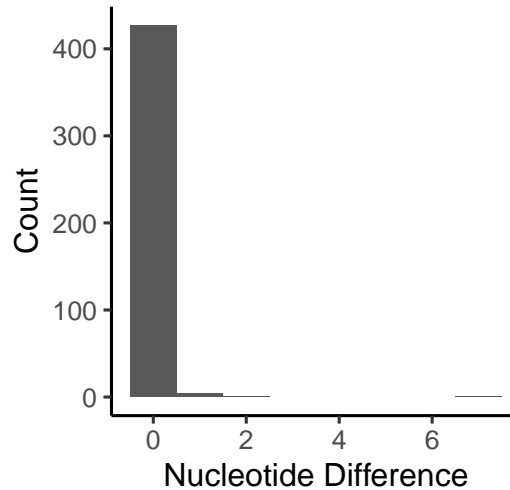
TRBV20-1*ap02

1256 sequences assigned
1230 (97.9%) exact matches, in which:
1200 unique CDR3
13 unique J



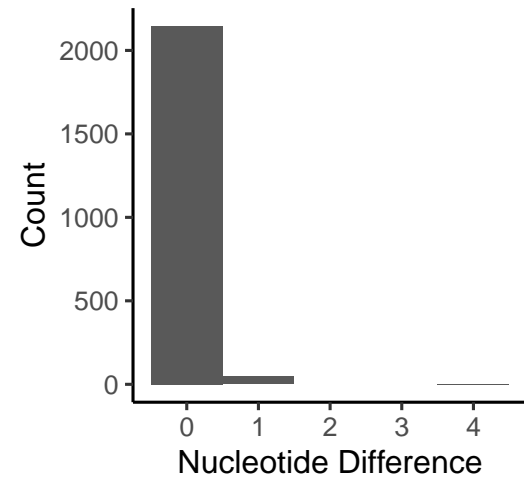
TRBV1*ap01

433 sequences assigned
427 (98.6%) exact matches, in which:
418 unique CDR3
13 unique J



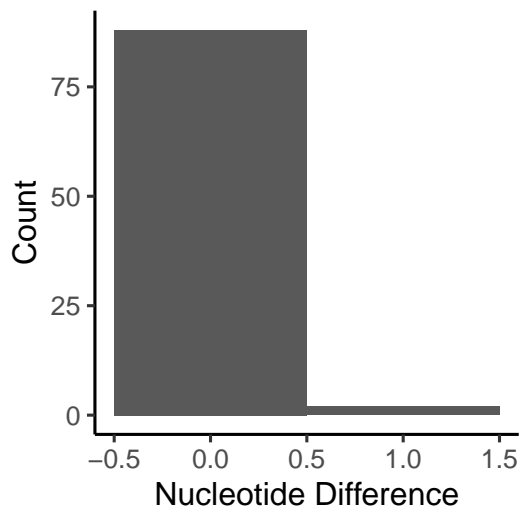
TRBV15*ap02

2194 sequences assigned
2146 (97.8%) exact matches, in which:
2115 unique CDR3
13 unique J



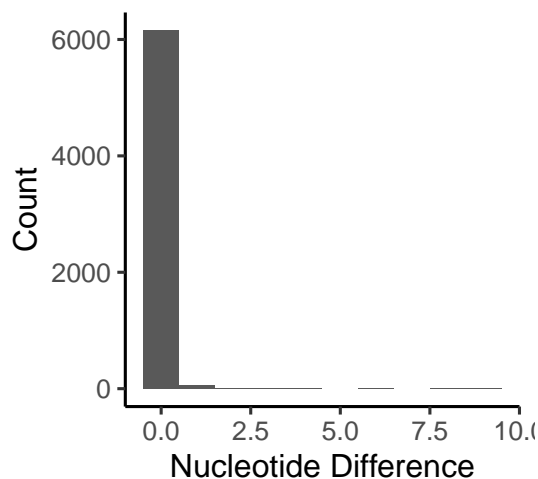
TRBV16*ap01

90 sequences assigned
88 (97.8%) exact matches, in which:
87 unique CDR3
11 unique J



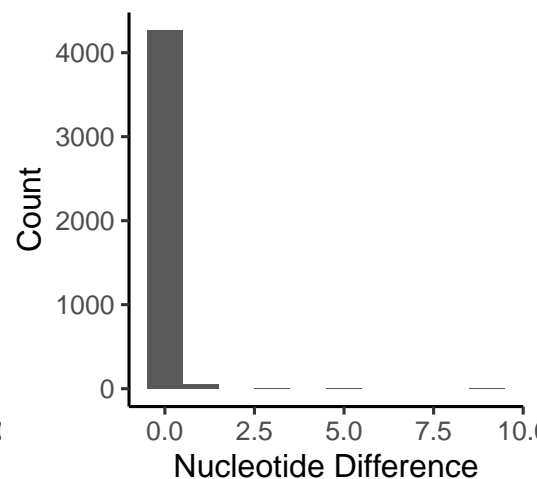
TRBV19*ap01

6228 sequences assigned
6156 (98.8%) exact matches, in which:
6077 unique CDR3
13 unique J



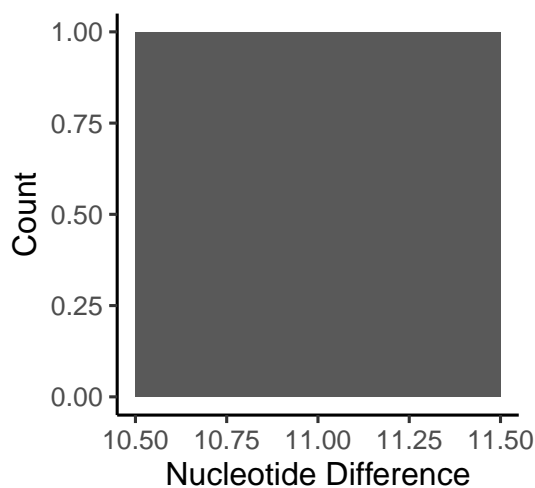
TRBV27*ap01

4327 sequences assigned
4265 (98.6%) exact matches, in which:
4221 unique CDR3
13 unique J



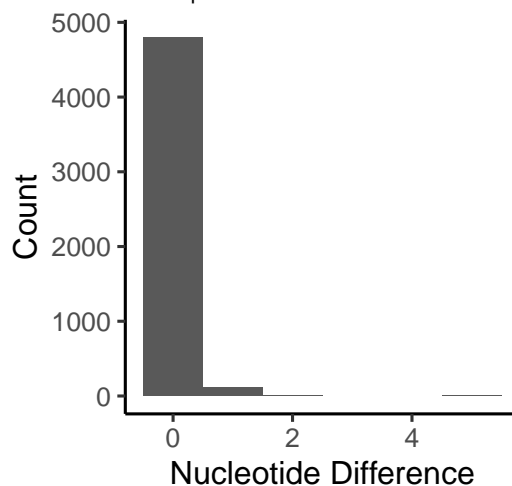
TRBV17*ap01

1 sequences assigned
No exact matches.



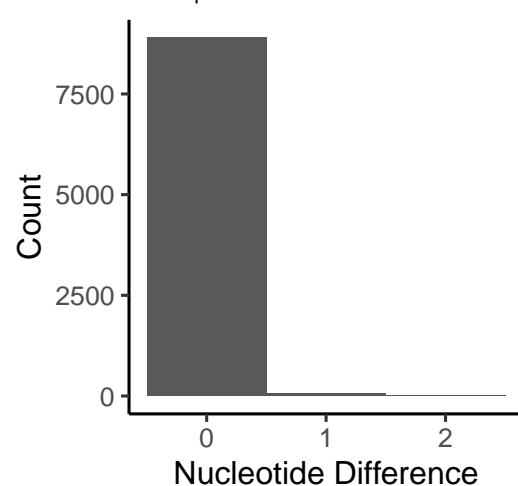
TRBV2*ap01

4908 sequences assigned
4794 (97.7%) exact matches, in which:
4722 unique CDR3
13 unique J



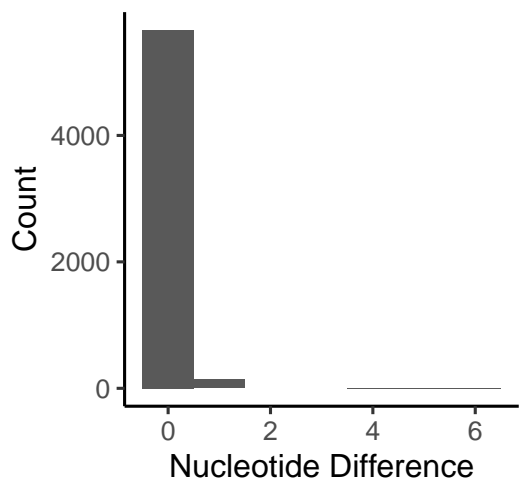
TRBV28*ap01

8966 sequences assigned
8896 (99.2%) exact matches, in which:
8800 unique CDR3
13 unique J



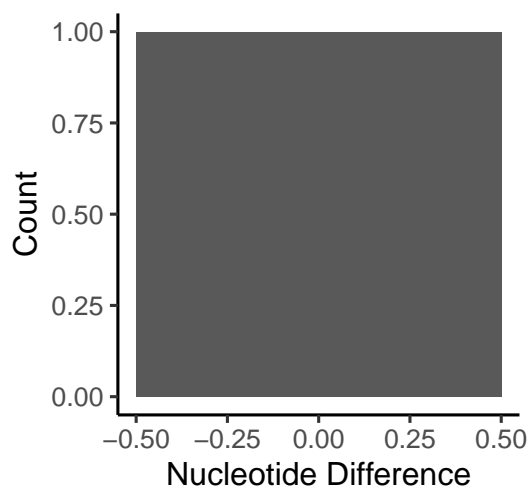
TRBV18*ap01

5810 sequences assigned
5667 (97.5%) exact matches, in which:
5533 unique CDR3
13 unique J



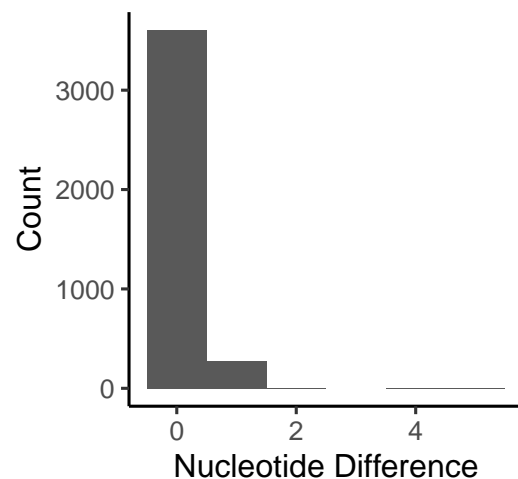
TRBV26*ap01

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



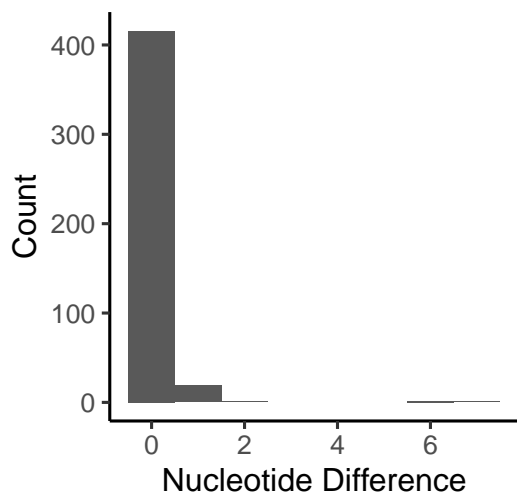
TRBV30*ap01

3883 sequences assigned
3605 (92.8%) exact matches, in which:
3406 unique CDR3
13 unique J



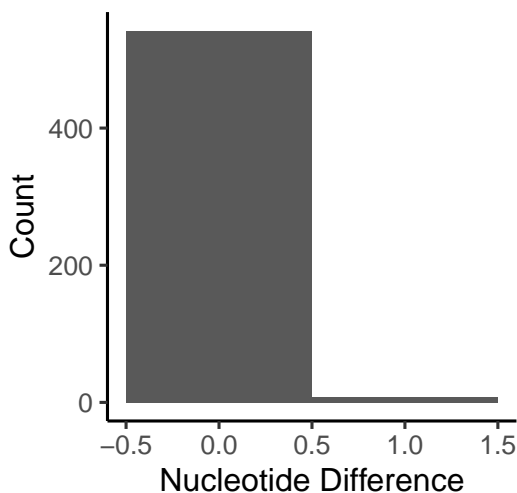
TRBV30*ap02

439 sequences assigned
416 (94.8%) exact matches, in which:
387 unique CDR3
13 unique J



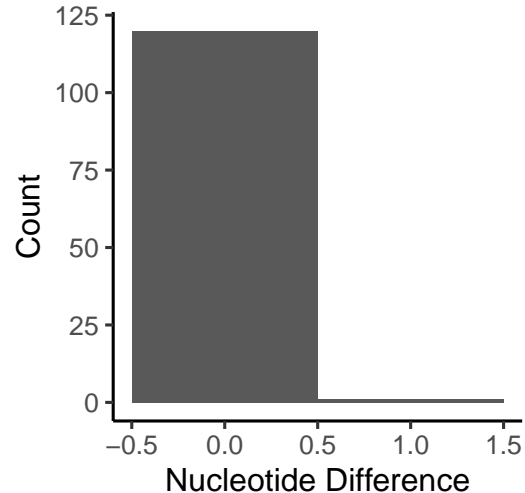
TRBV11-1*ap01

550 sequences assigned
542 (98.5%) exact matches, in which:
537 unique CDR3
13 unique J



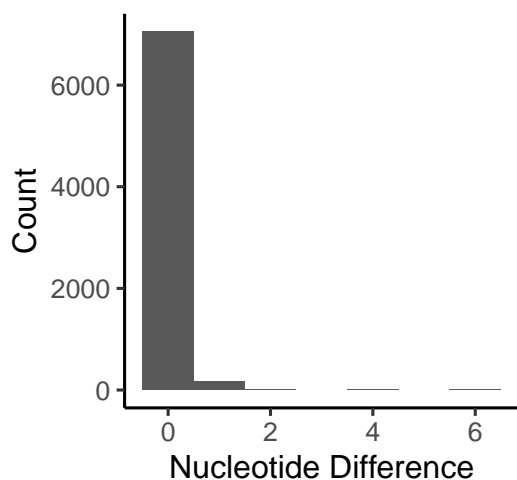
TRBV12-1*ap01

121 sequences assigned
120 (99.2%) exact matches, in which:
120 unique CDR3
13 unique J



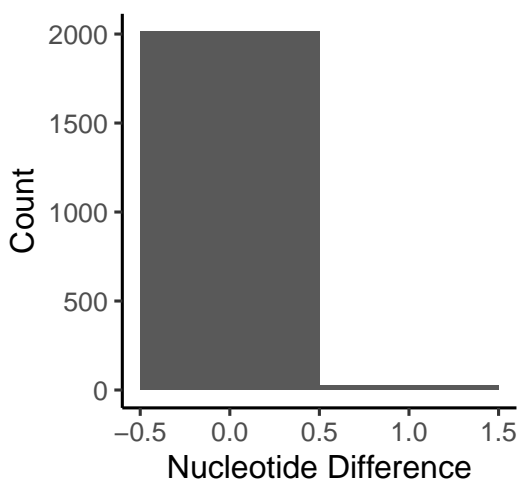
TRBV9*ap01

7219 sequences assigned
7051 (97.7%) exact matches, in which:
6977 unique CDR3
13 unique J



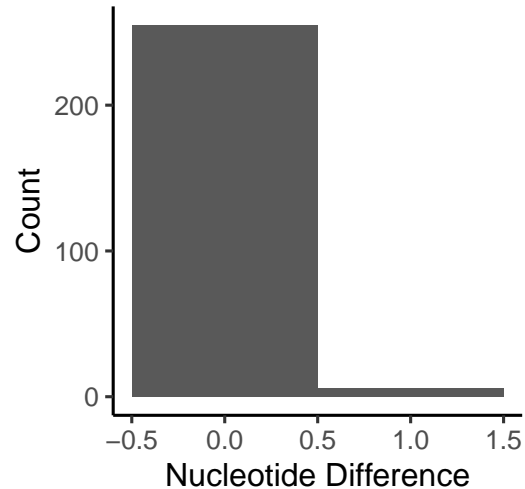
TRBV11-2*ap01

2038 sequences assigned
2013 (98.8%) exact matches, in which:
1988 unique CDR3
13 unique J



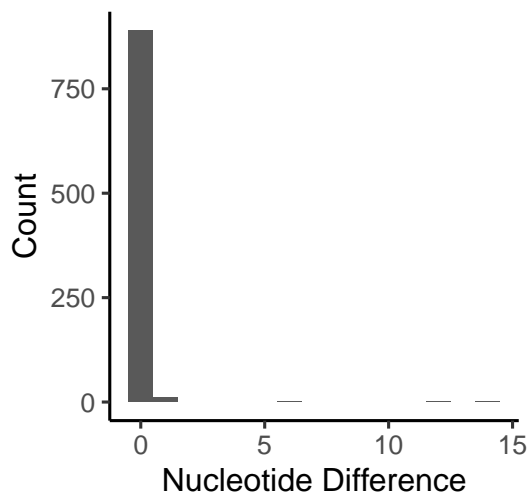
TRBV12-2*ap01

261 sequences assigned
255 (97.7%) exact matches, in which:
255 unique CDR3
13 unique J



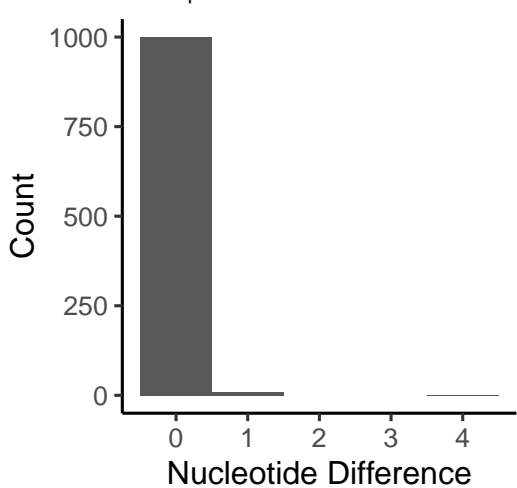
TRBV21-1*ap01

903 sequences assigned
890 (98.6%) exact matches, in which:
888 unique CDR3
13 unique J



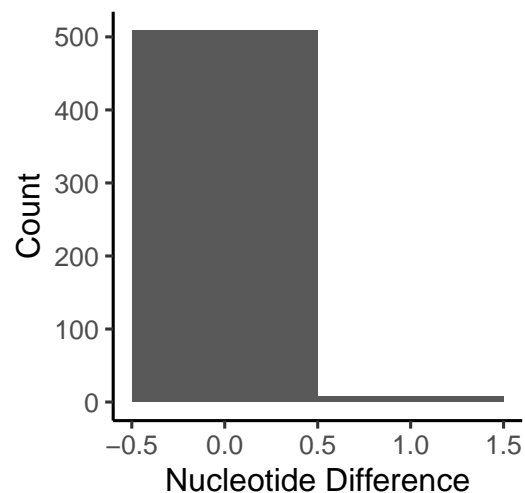
TRBV11-3*ap01

1010 sequences assigned
1000 (99%) exact matches, in which:
987 unique CDR3
13 unique J



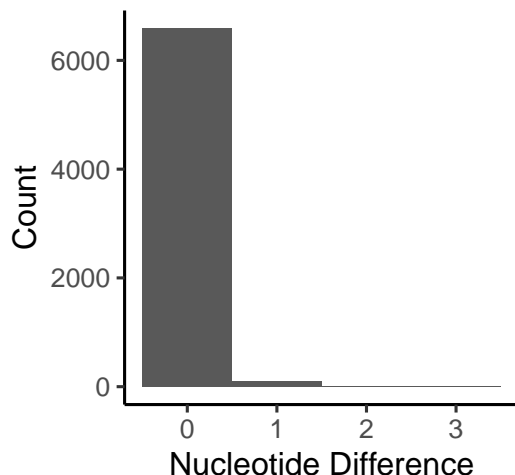
TRBV12-5*ap01

516 sequences assigned
509 (98.6%) exact matches, in which:
502 unique CDR3
13 unique J



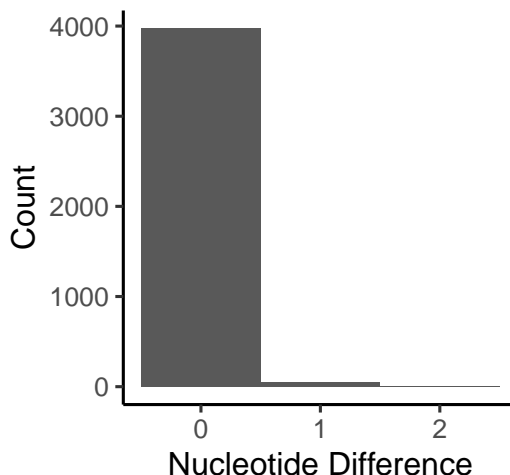
TRBV12-34*ap01

6697 sequences assigned
6588 (98.4%) exact matches, in which:
6494 unique CDR3
13 unique J



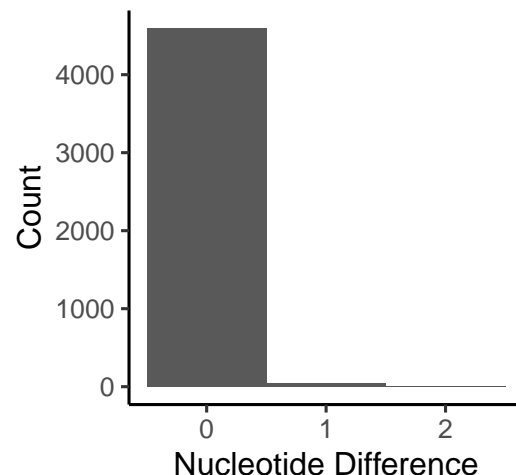
TRBV4-1*ap01

4023 sequences assigned
3974 (98.8%) exact matches, in which:
3884 unique CDR3
13 unique J



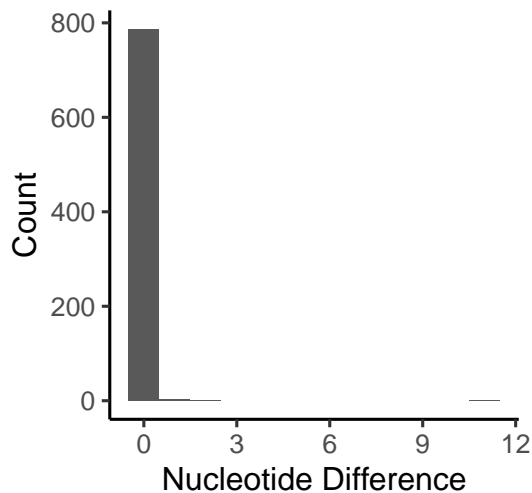
TRBV4-3*ap01

4642 sequences assigned
4593 (98.9%) exact matches, in which:
4508 unique CDR3
13 unique J



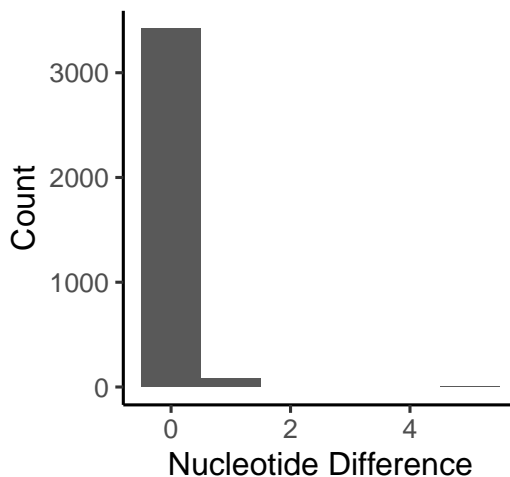
TRBV23-1*ap01

794 sequences assigned
787 (99.1%) exact matches, in which:
781 unique CDR3
13 unique J



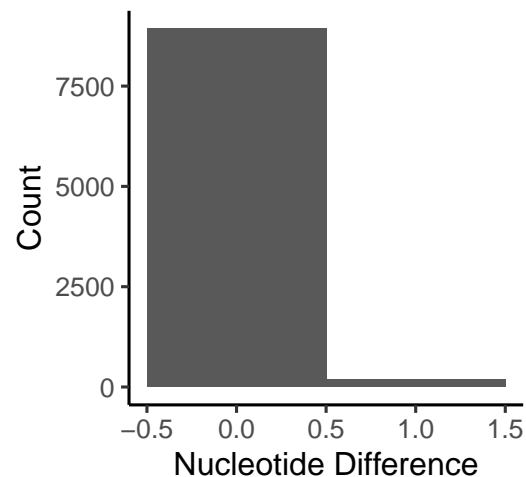
TRBV24-1*ap01

3500 sequences assigned
3420 (97.7%) exact matches, in which:
3375 unique CDR3
13 unique J



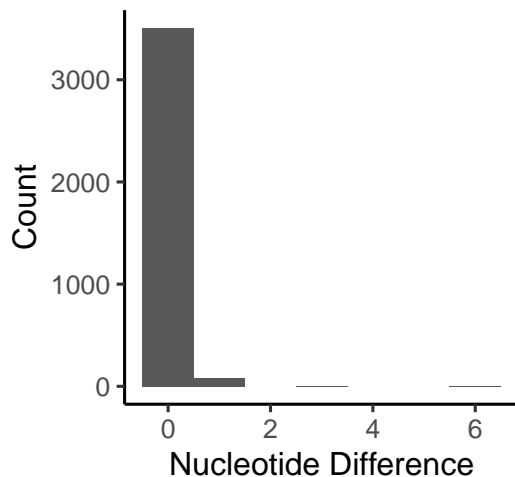
TRBV5-1*ap01

9105 sequences assigned
8930 (98.1%) exact matches, in which:
8751 unique CDR3
13 unique J



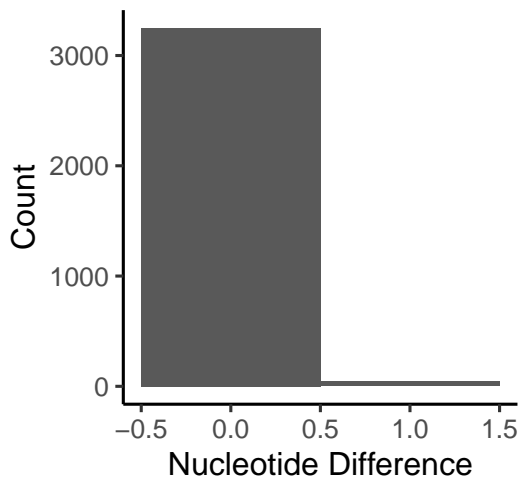
TRBV3-12*ap01

3587 sequences assigned
3506 (97.7%) exact matches, in which:
3470 unique CDR3
13 unique J



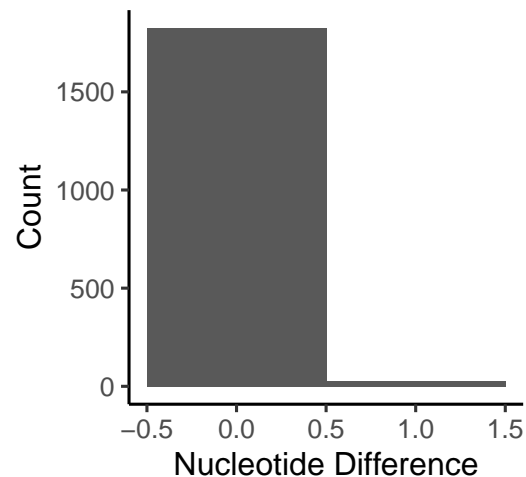
TRBV4-2*ap01

3292 sequences assigned
3249 (98.7%) exact matches, in which:
3186 unique CDR3
13 unique J



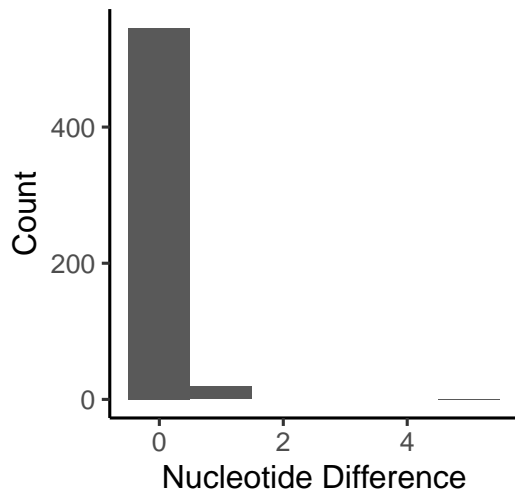
TRBV25-1*ap01

1851 sequences assigned
1825 (98.6%) exact matches, in which:
1787 unique CDR3
13 unique J



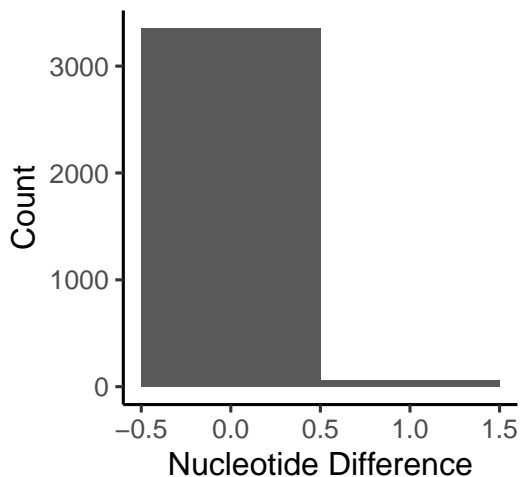
TRBV5-3*ap01

566 sequences assigned
546 (96.5%) exact matches, in which:
535 unique CDR3
13 unique J



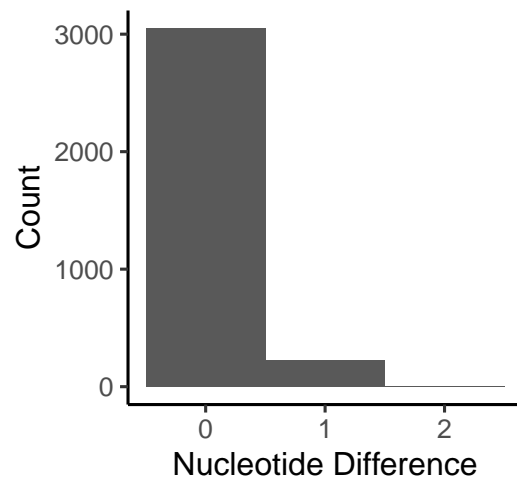
TRBV5-6*ap01

3415 sequences assigned
3353 (98.2%) exact matches, in which:
3223 unique CDR3
13 unique J



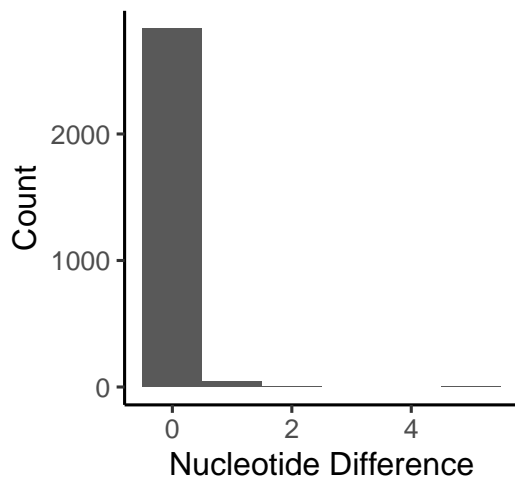
TRBV6-1*ap01

3280 sequences assigned
3049 (93%) exact matches, in which:
2966 unique CDR3
13 unique J



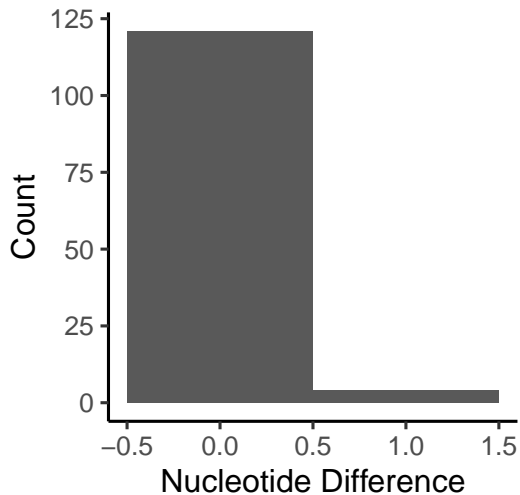
TRBV5-4*ap01

2878 sequences assigned
2832 (98.4%) exact matches, in which:
2796 unique CDR3
13 unique J



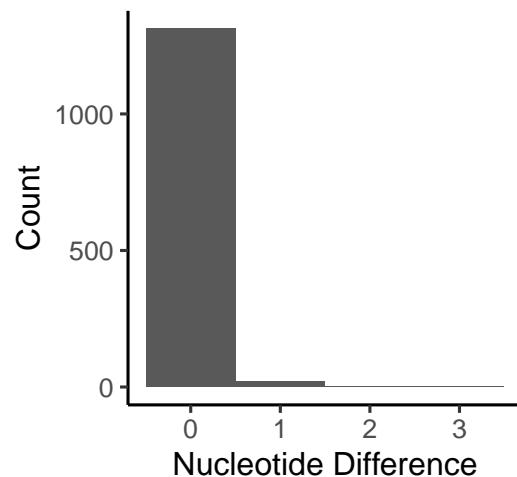
TRBV5-7*ap01

125 sequences assigned
121 (96.8%) exact matches, in which:
115 unique CDR3
13 unique J



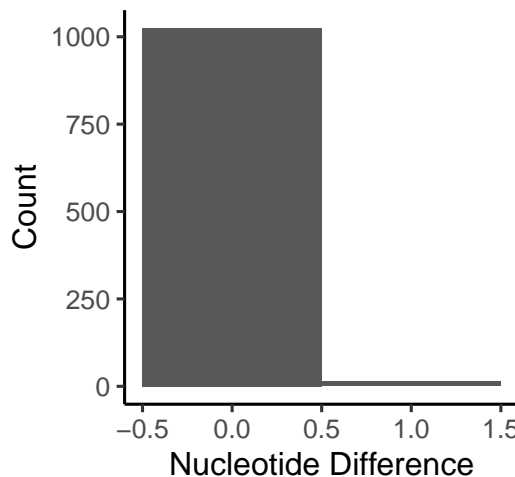
TRBV6-4*ap01

1334 sequences assigned
1312 (98.4%) exact matches, in which:
1286 unique CDR3
13 unique J



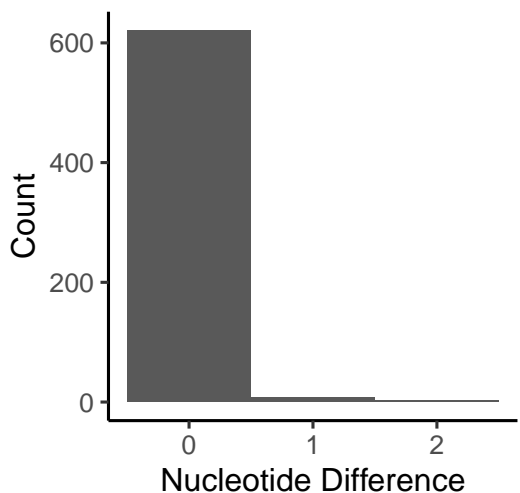
TRBV5-5*ap01

1039 sequences assigned
1025 (98.7%) exact matches, in which:
1003 unique CDR3
13 unique J



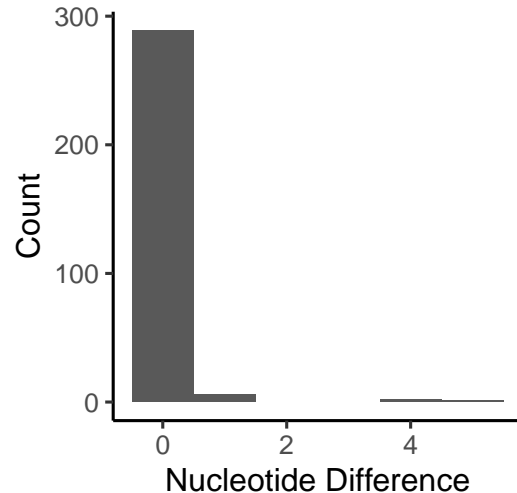
TRBV5-8*ap01

632 sequences assigned
621 (98.3%) exact matches, in which:
606 unique CDR3
13 unique J



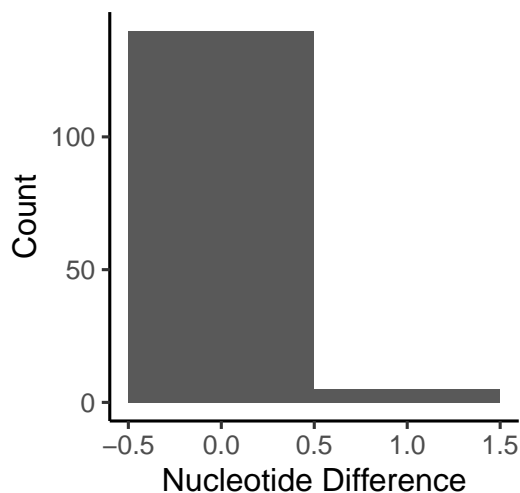
TRBV6-7*ap01

298 sequences assigned
289 (97%) exact matches, in which:
284 unique CDR3
13 unique J



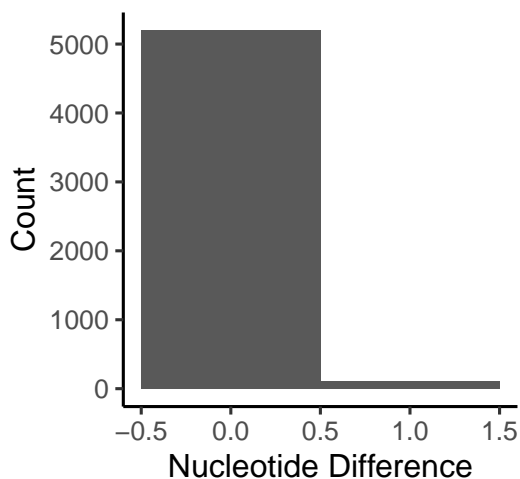
TRBV6–8*ap01

145 sequences assigned
140 (96.6%) exact matches, in which:
137 unique CDR3
13 unique J



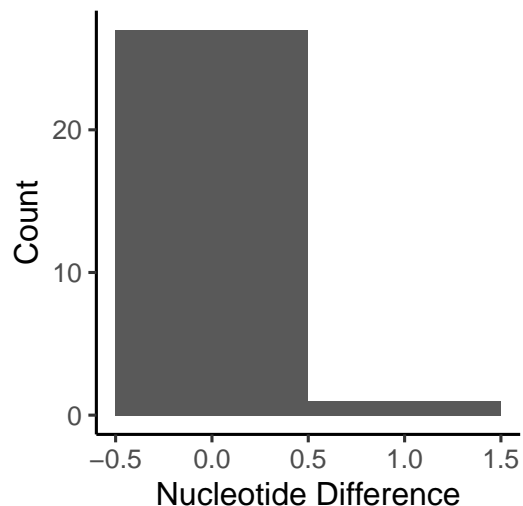
TRBV6–56*ap01

5307 sequences assigned
5198 (97.9%) exact matches, in which:
5080 unique CDR3
13 unique J



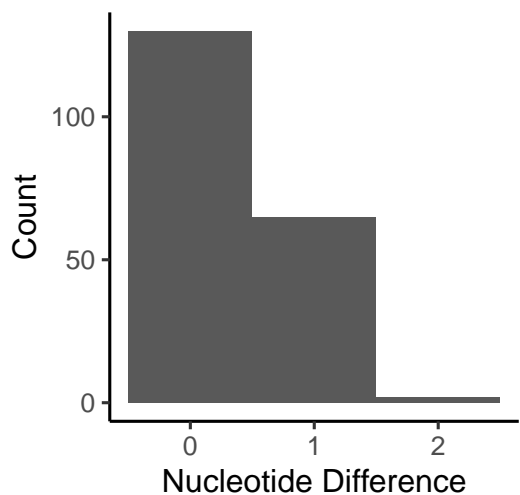
TRBV7–1*ap01_G291C_T

28 sequences assigned
27 (96.4%) exact matches, in which:
27 unique CDR3
10 unique J



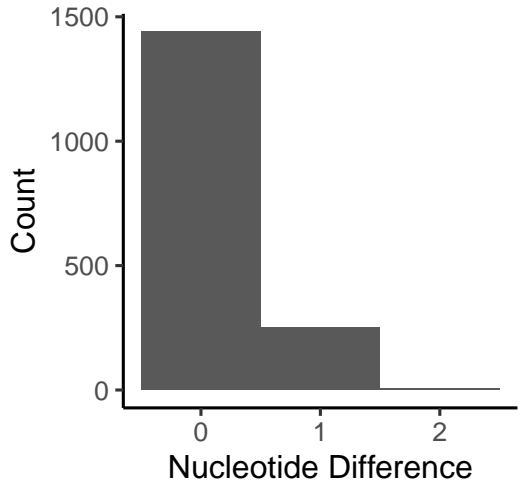
TRBV6–9*ap01

197 sequences assigned
130 (66%) exact matches, in which:
126 unique CDR3
13 unique J



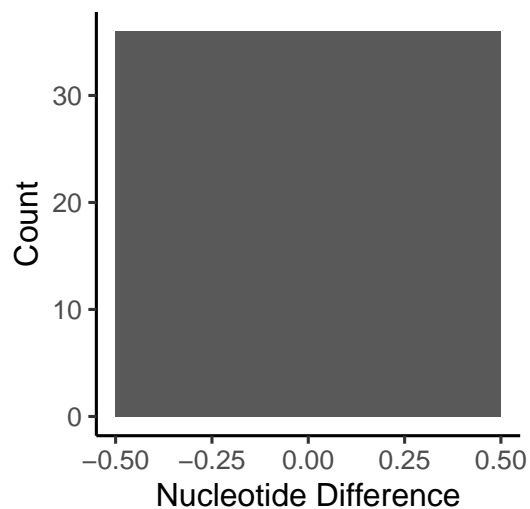
TRBV6–56*ap02

1698 sequences assigned
1440 (84.8%) exact matches, in which:
1409 unique CDR3
13 unique J



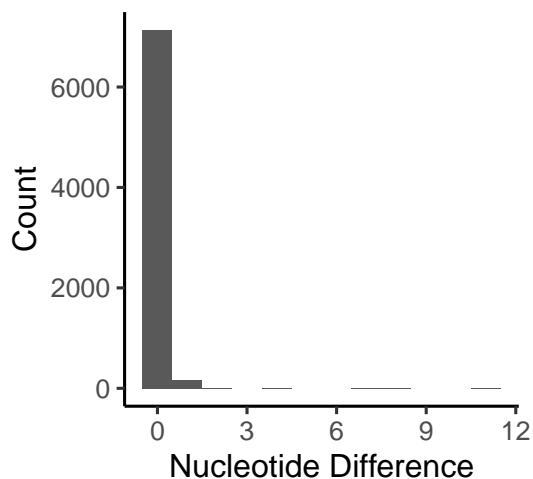
TRBV7–1*ap01_G291C_T

36 sequences assigned
36 (100%) exact matches, in which:
36 unique CDR3
11 unique J



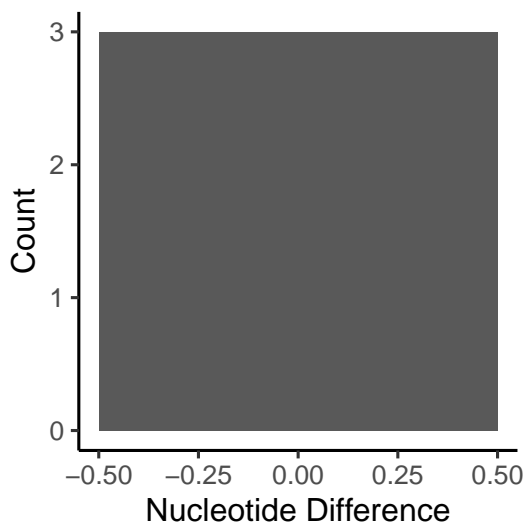
TRBV6–23*ap01

7315 sequences assigned
7135 (97.5%) exact matches, in which:
6999 unique CDR3
13 unique J



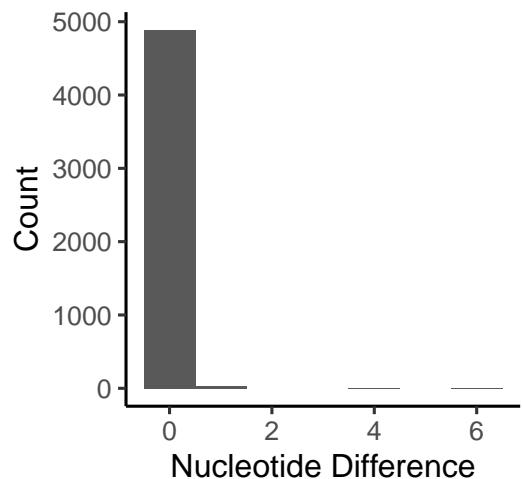
TRBV7–1*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
3 unique J



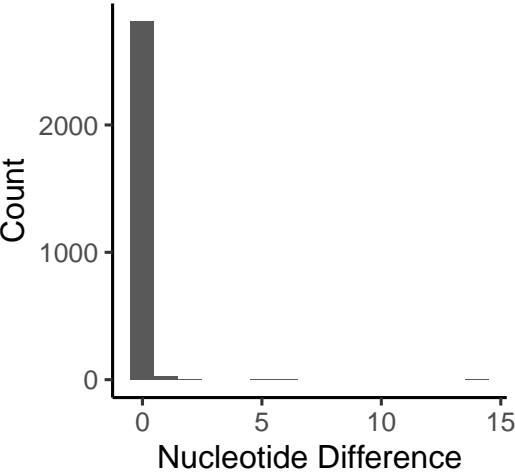
TRBV7–2*ap01

4917 sequences assigned
4886 (99.4%) exact matches, in which:
4837 unique CDR3
13 unique J



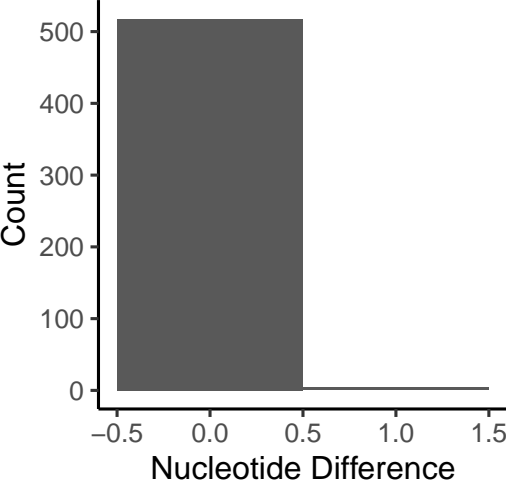
TRBV7-3*ap01

2845 sequences assigned
2813 (98.9%) exact matches, in which:
2774 unique CDR3
13 unique J



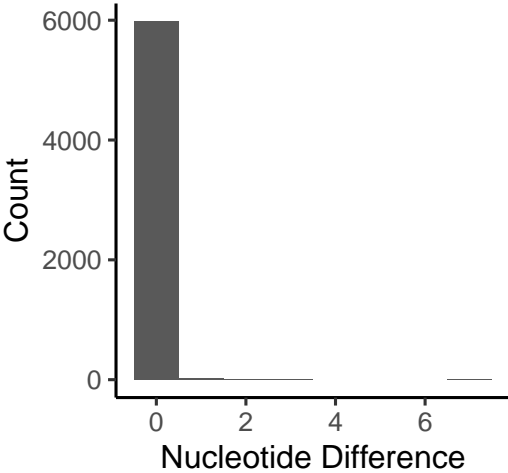
TRBV7-7*ap01

522 sequences assigned
518 (99.2%) exact matches, in which:
506 unique CDR3
13 unique J



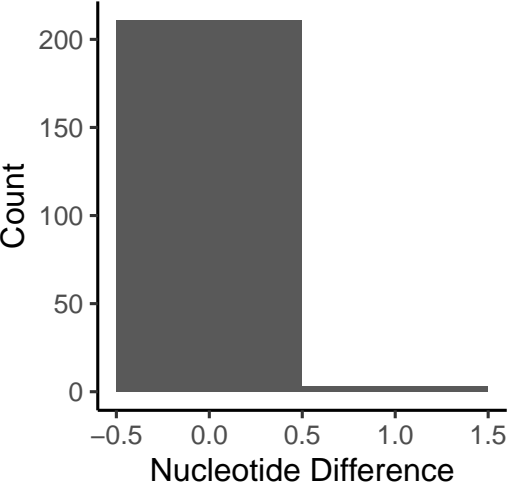
TRBV7-9*ap01

6009 sequences assigned
5980 (99.5%) exact matches, in which:
5914 unique CDR3
13 unique J



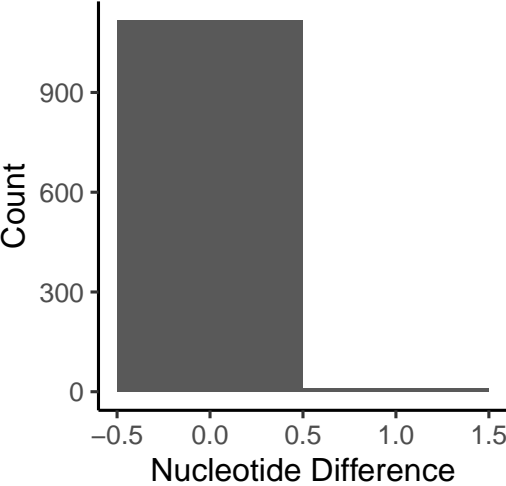
TRBV7-4*ap01

214 sequences assigned
211 (98.6%) exact matches, in which:
211 unique CDR3
13 unique J



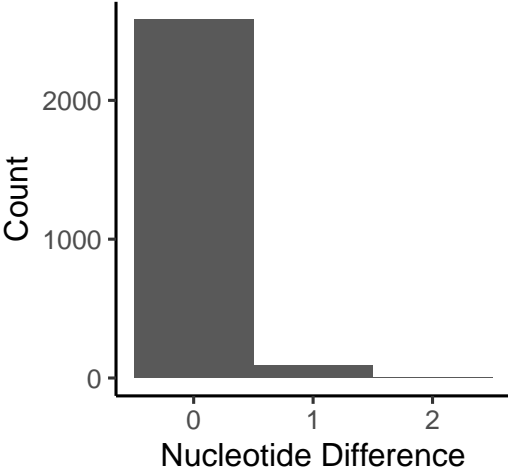
TRBV7-8*ap01

1129 sequences assigned
1118 (99%) exact matches, in which:
1106 unique CDR3
13 unique J



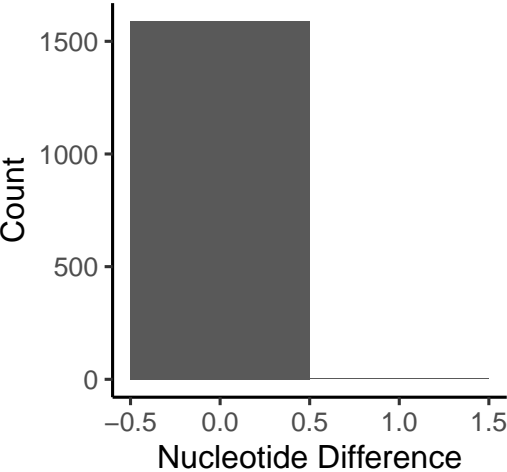
TRBV29-1*ap01

2670 sequences assigned
2581 (96.7%) exact matches, in which:
2460 unique CDR3
13 unique J



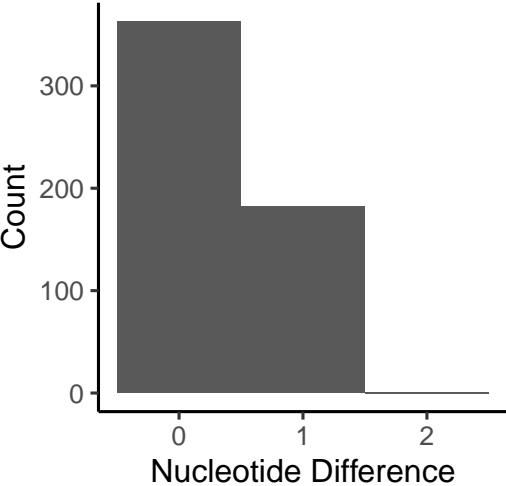
TRBV7-6*ap01

1594 sequences assigned
1590 (99.7%) exact matches, in which:
1561 unique CDR3
13 unique J



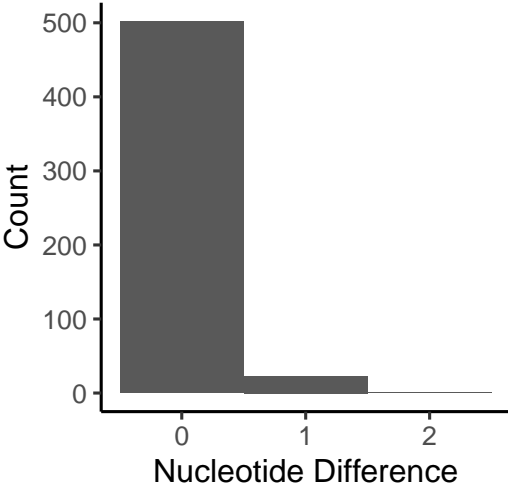
TRBV7-8*ap03

546 sequences assigned
363 (66.5%) exact matches, in which:
358 unique CDR3
13 unique J

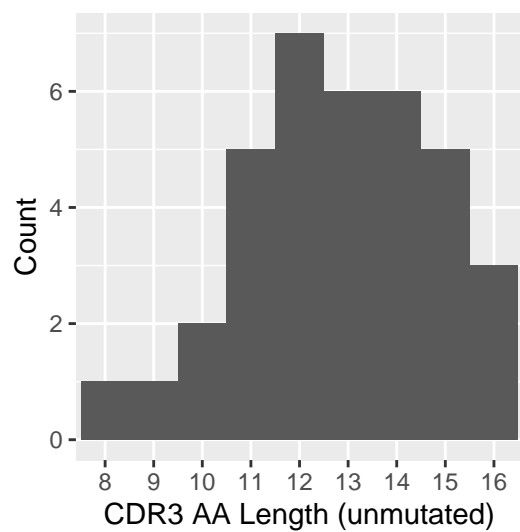


TRBV29-1*ap02

526 sequences assigned
502 (95.4%) exact matches, in which:
472 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C

