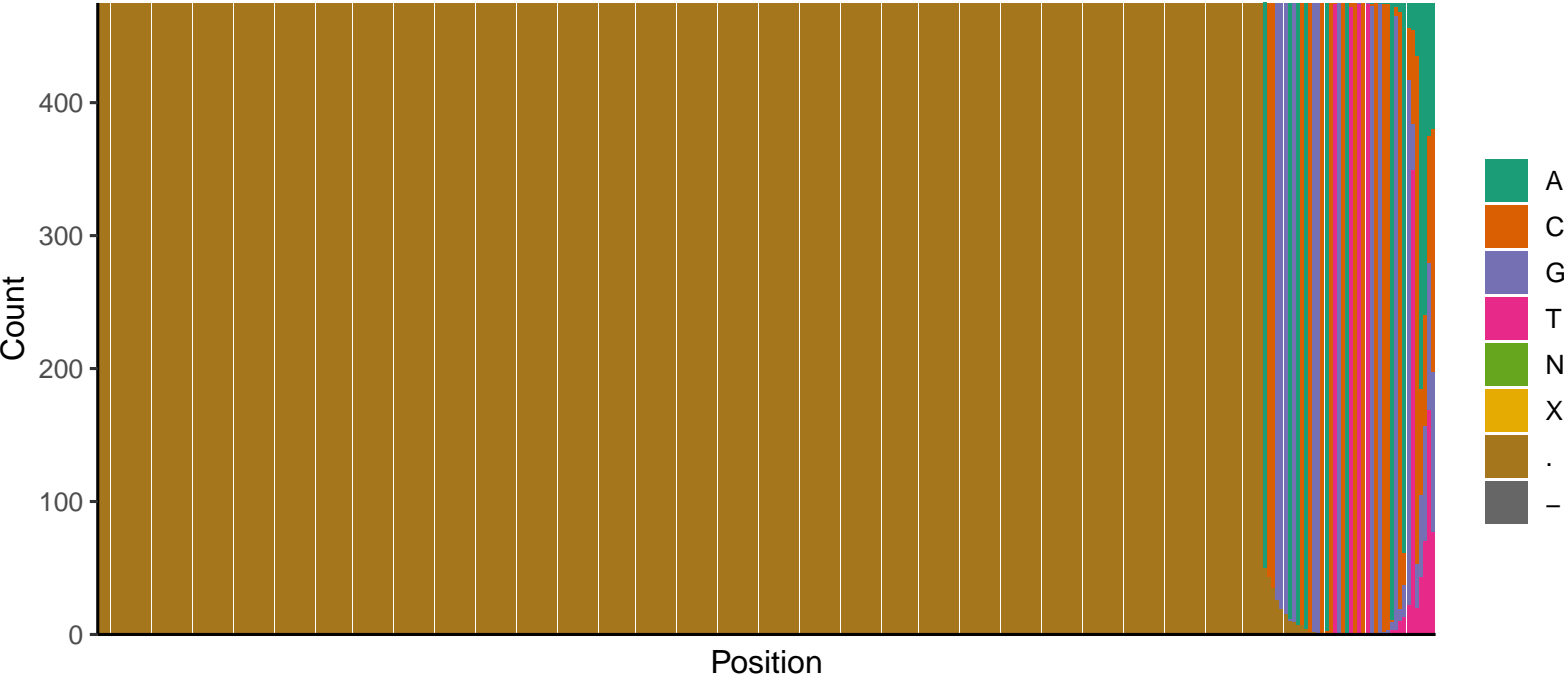
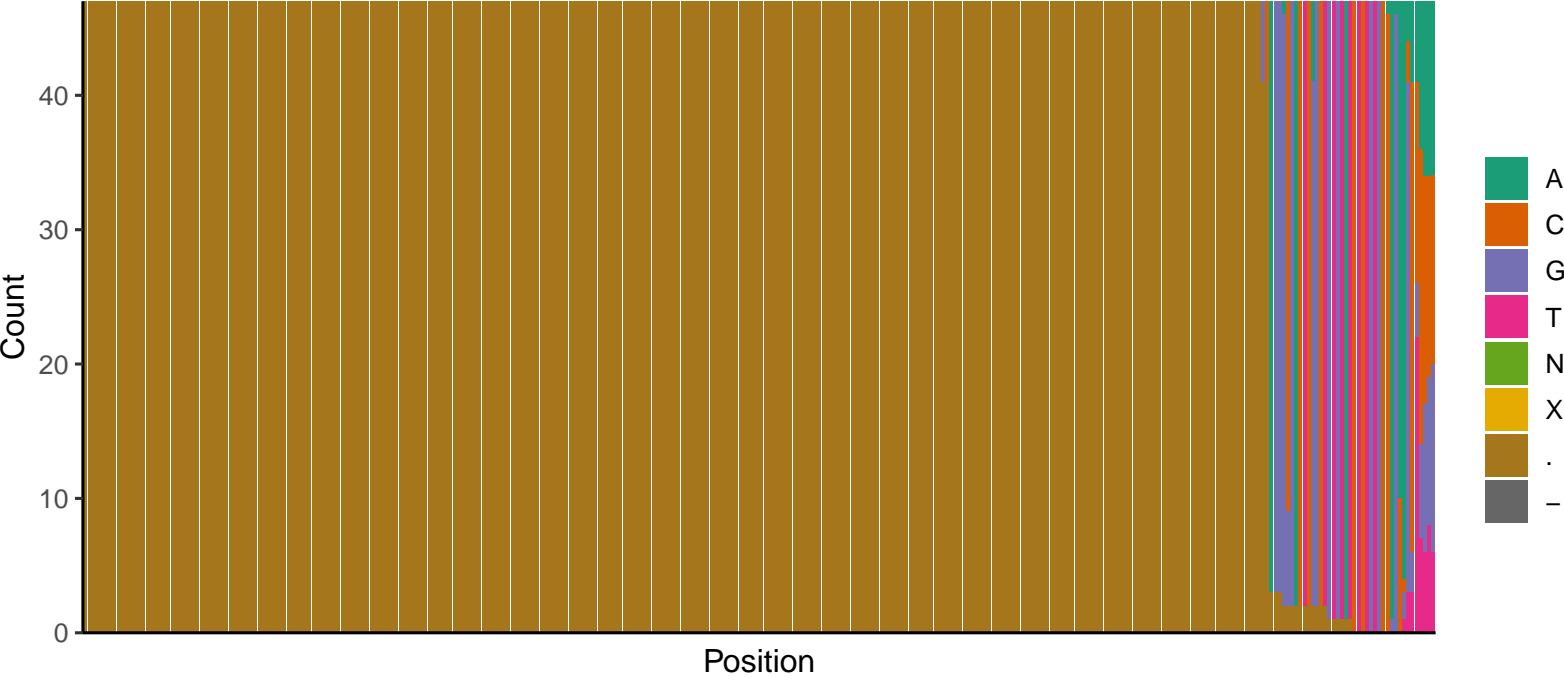


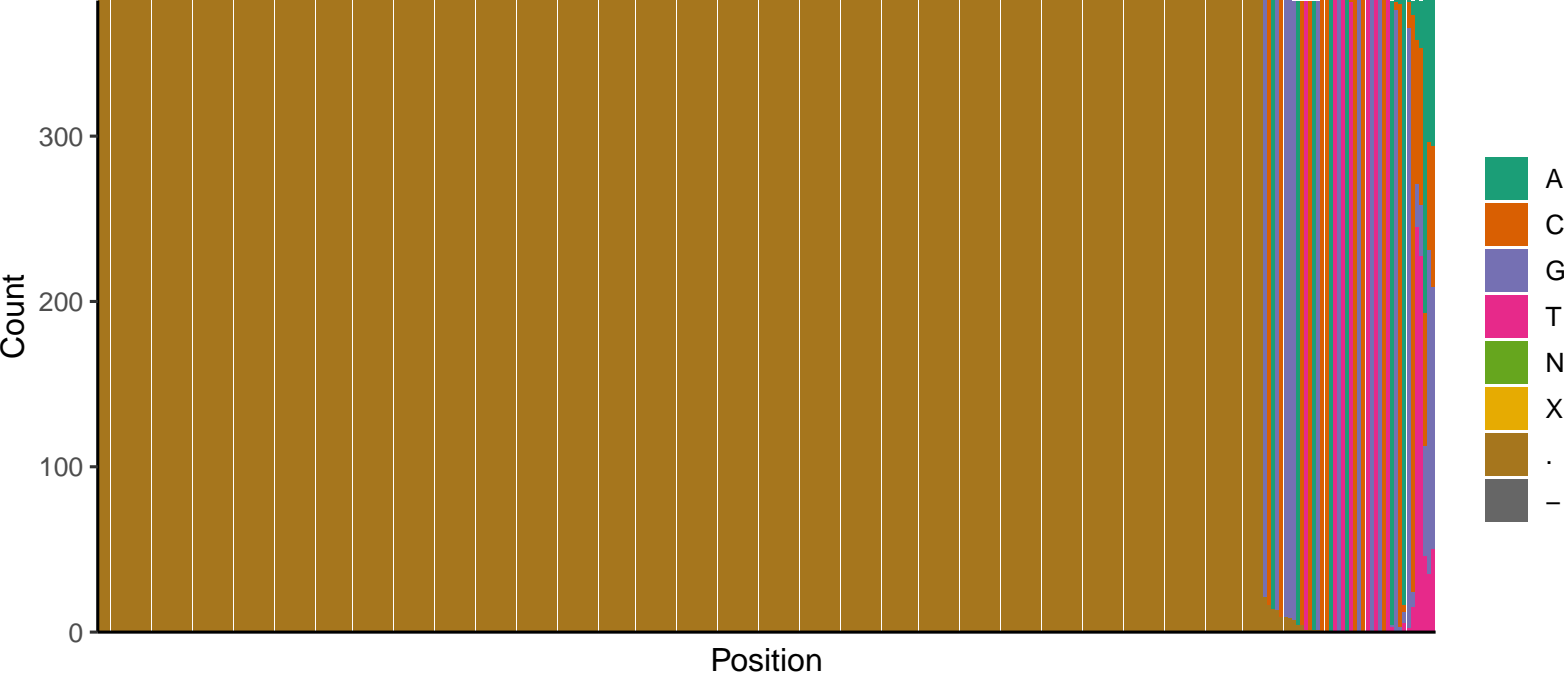
Gene TRBV23-1*ap01_T304C



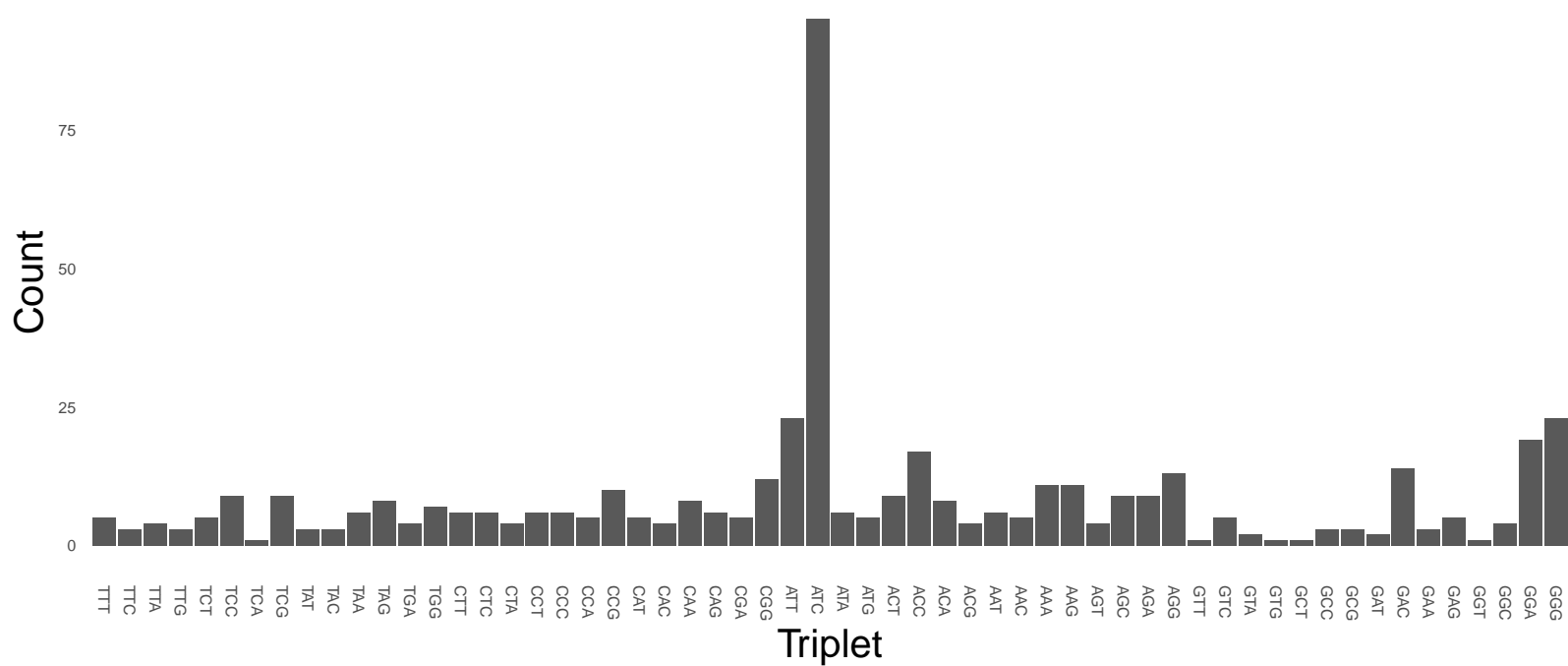
Gene TRBV7-1*ap01_T296C



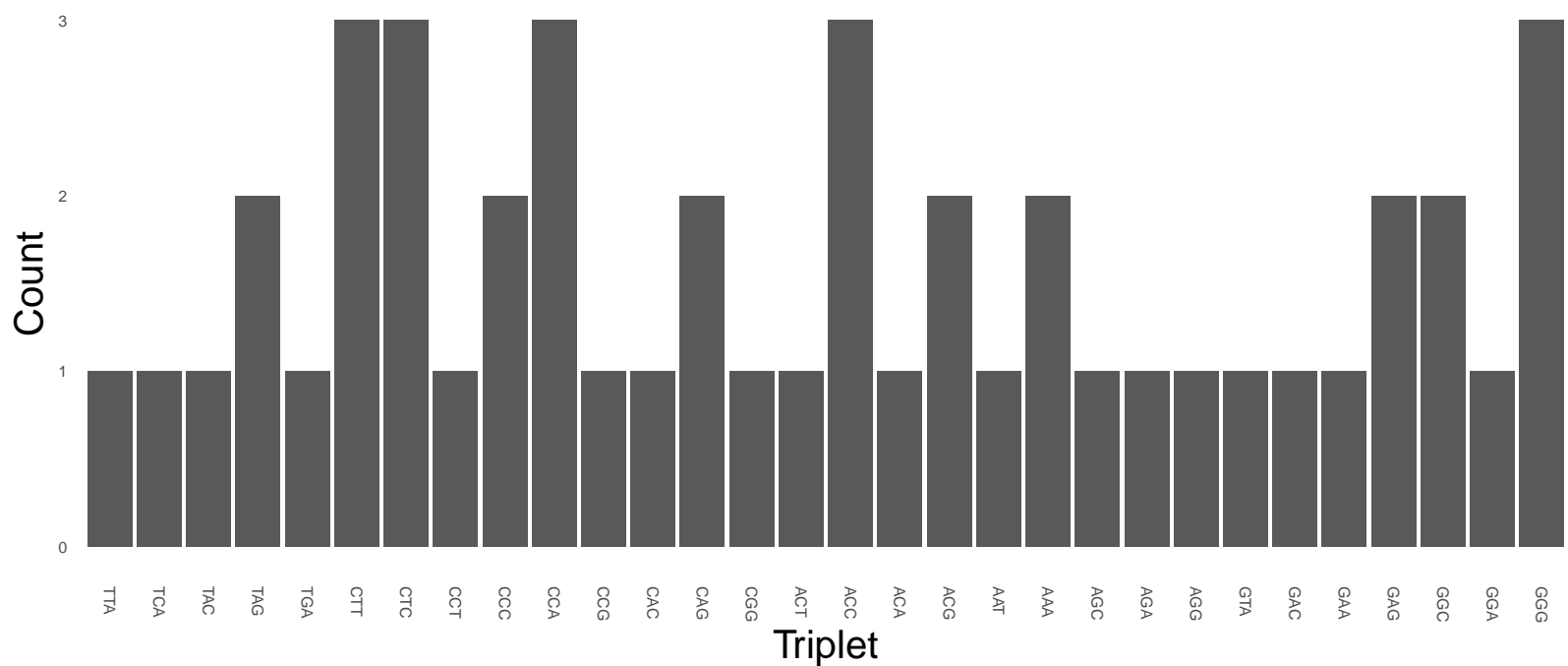
Gene TRBV7-7*ap01_C315T



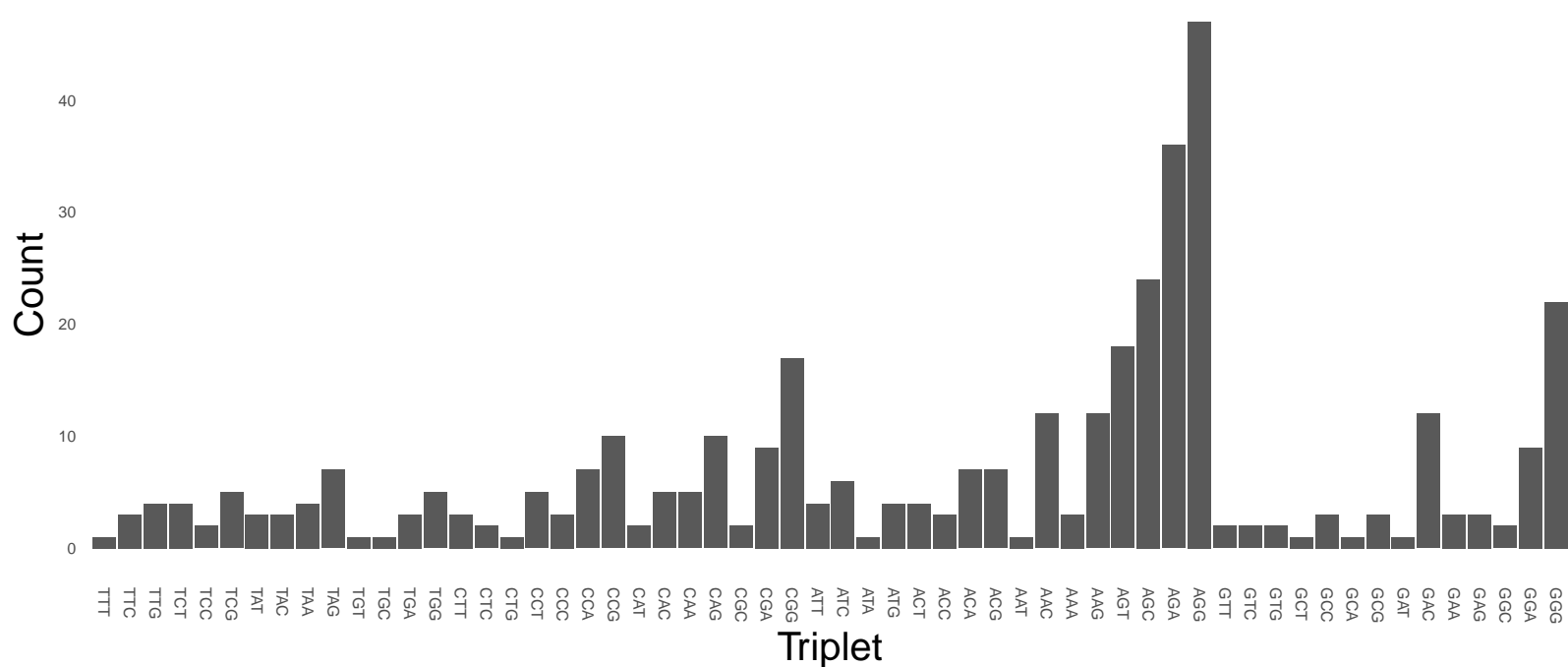
TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

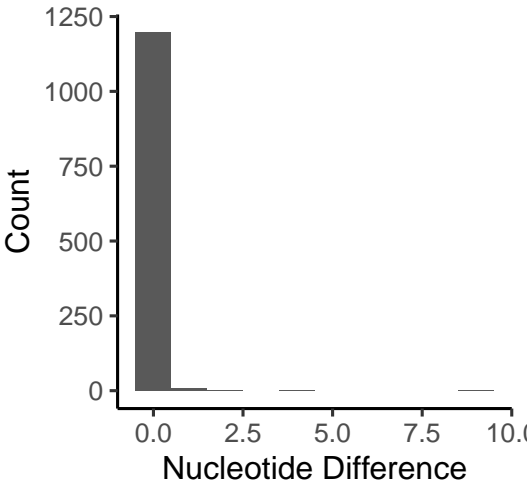


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



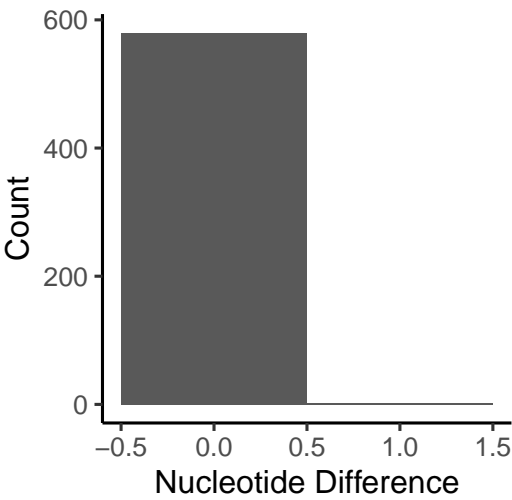
TRBV10-1*ap01

1209 sequences assigned
1197 (99%) exact matches, in which:
1182 unique CDR3
13 unique J



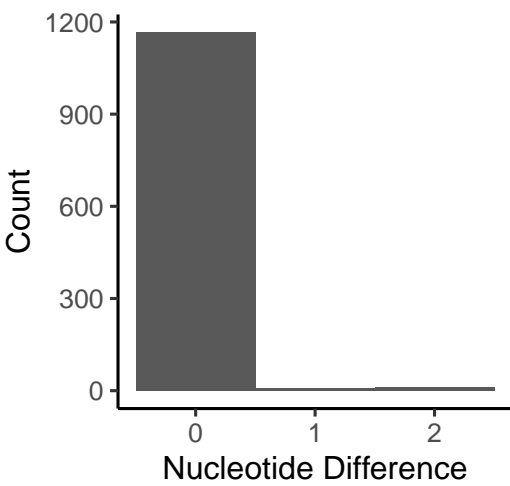
TRBV10-2*ap01

582 sequences assigned
580 (99.7%) exact matches, in which:
572 unique CDR3
13 unique J



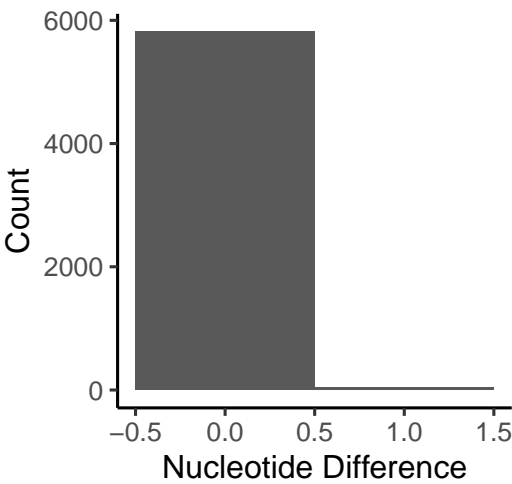
TRBV13*ap01

1185 sequences assigned
1166 (98.4%) exact matches, in which:
1140 unique CDR3
13 unique J



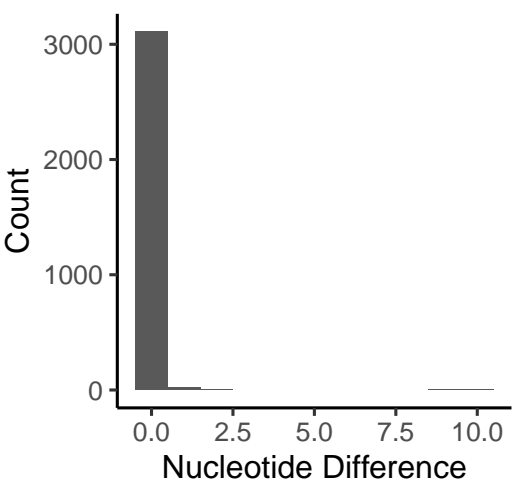
TRBV20-1*ap01

5849 sequences assigned
5815 (99.4%) exact matches, in which:
5741 unique CDR3
13 unique J



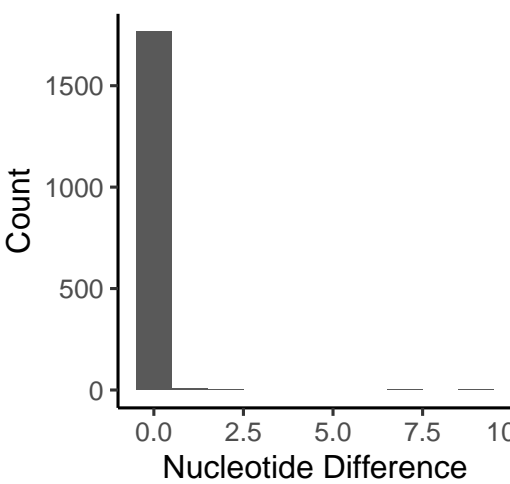
TRBV10-3*ap01

3136 sequences assigned
3109 (99.1%) exact matches, in which:
3072 unique CDR3
13 unique J



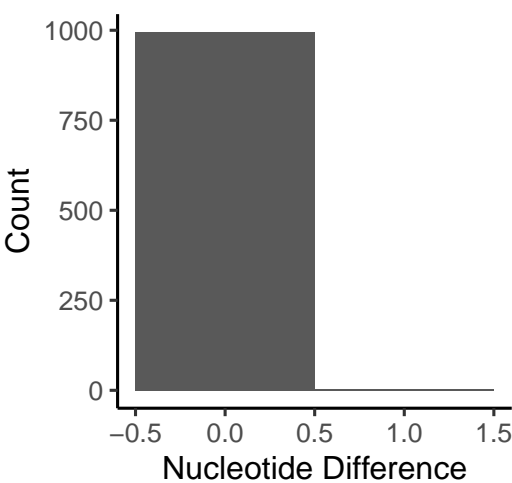
TRBV14*ap01

1777 sequences assigned
1766 (99.4%) exact matches, in which:
1756 unique CDR3
13 unique J



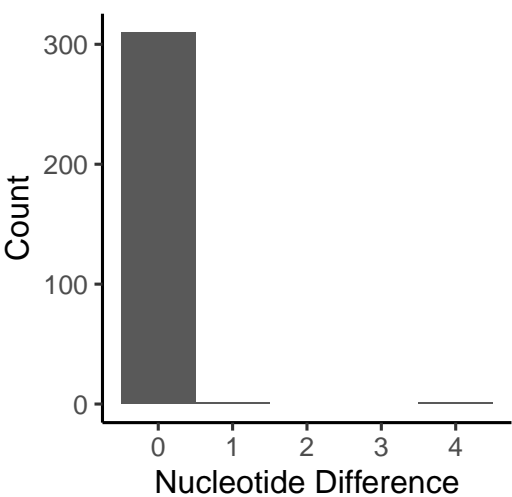
TRBV20-1*ap02

999 sequences assigned
995 (99.6%) exact matches, in which:
988 unique CDR3
13 unique J



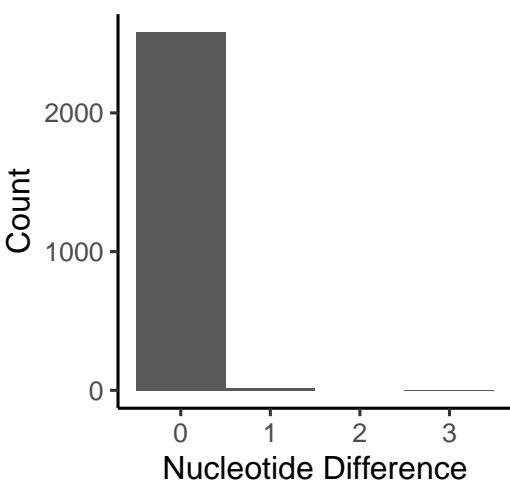
TRBV1*ap01

312 sequences assigned
310 (99.4%) exact matches, in which:
306 unique CDR3
13 unique J



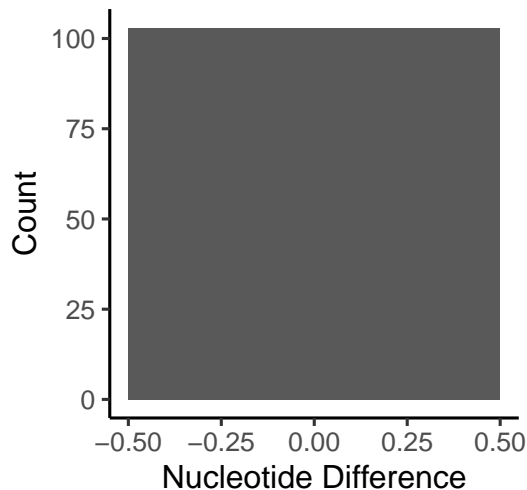
TRBV15*ap02

2601 sequences assigned
2583 (99.3%) exact matches, in which:
2549 unique CDR3
13 unique J



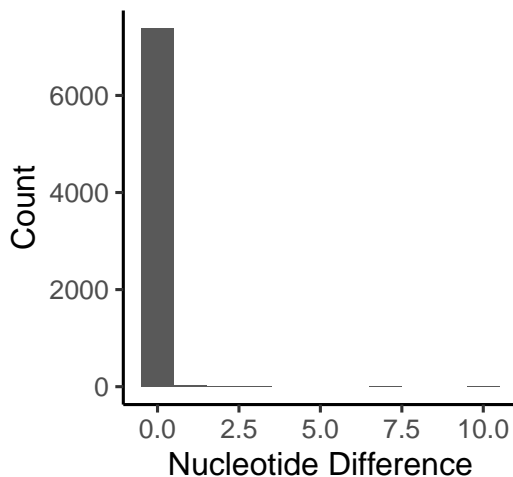
TRBV16*ap01

103 sequences assigned
103 (100%) exact matches, in which:
103 unique CDR3
12 unique J



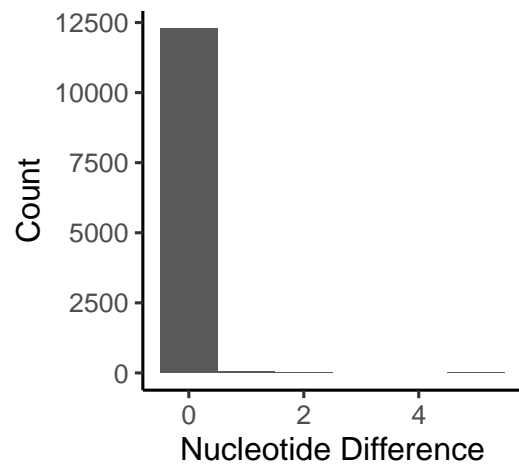
TRBV19*ap01

7425 sequences assigned
7381 (99.4%) exact matches, in which:
7347 unique CDR3
13 unique J



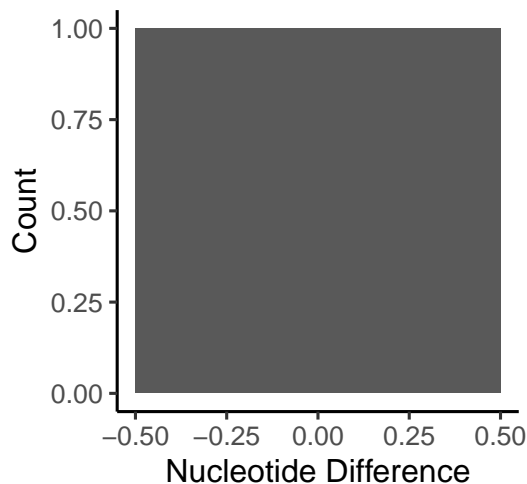
TRBV28*ap01

12365 sequences assigned
12300 (99.5%) exact matches, in which:
12212 unique CDR3
13 unique J



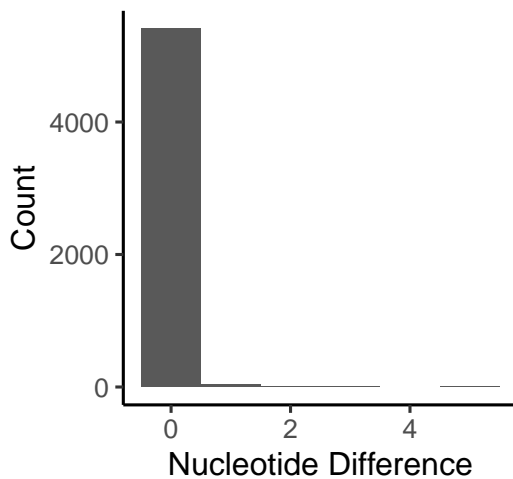
TRBV17*ap01

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



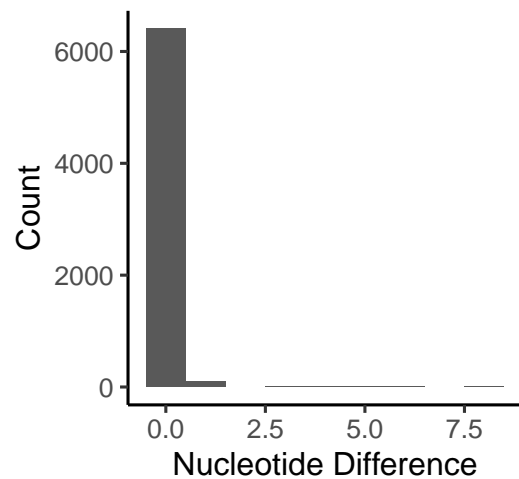
TRBV2*ap01

5454 sequences assigned
5408 (99.2%) exact matches, in which:
5334 unique CDR3
13 unique J



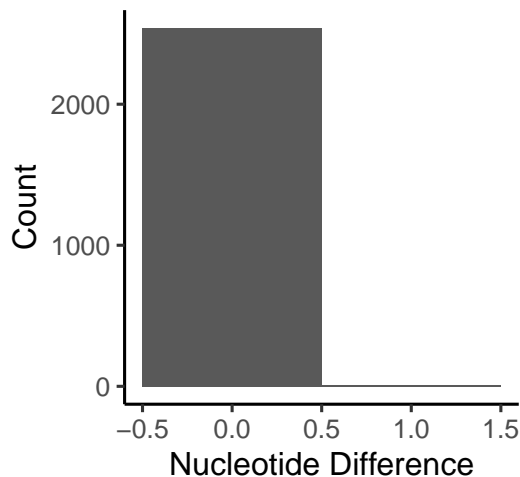
TRBV30*ap01

6504 sequences assigned
6407 (98.5%) exact matches, in which:
6233 unique CDR3
13 unique J



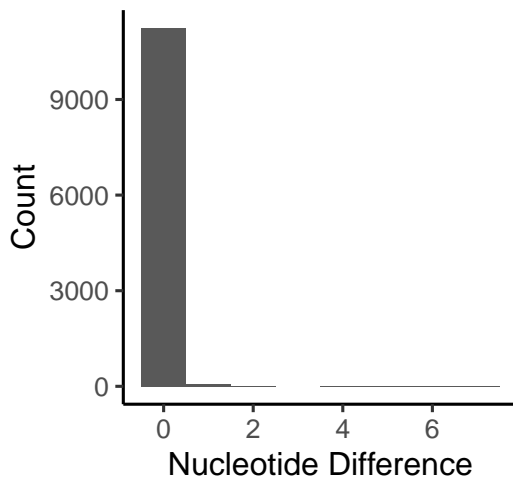
TRBV18*ap01

2549 sequences assigned
2540 (99.6%) exact matches, in which:
2524 unique CDR3
13 unique J



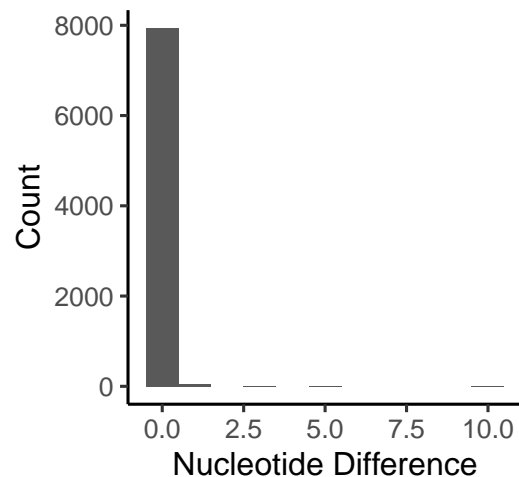
TRBV27*ap01

11334 sequences assigned
11242 (99.2%) exact matches, in which:
11070 unique CDR3
13 unique J



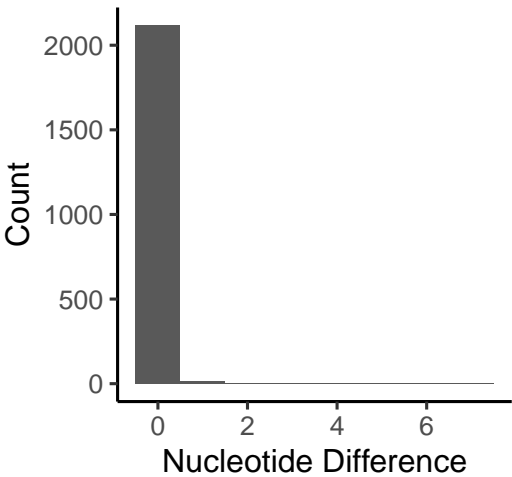
TRBV9*ap01

7990 sequences assigned
7939 (99.4%) exact matches, in which:
7872 unique CDR3
13 unique J



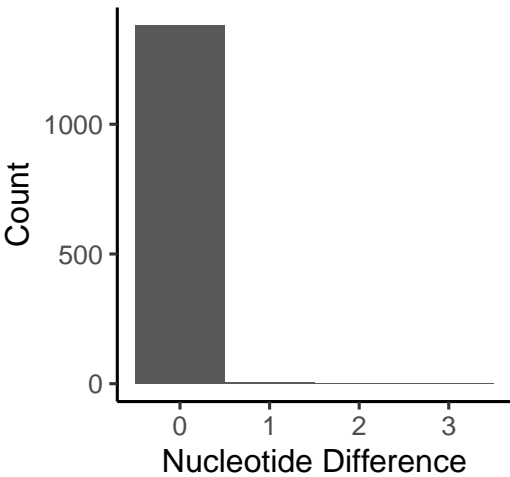
TRBV21-1*ap01

2143 sequences assigned
2117 (98.8%) exact matches, in which:
2108 unique CDR3
13 unique J



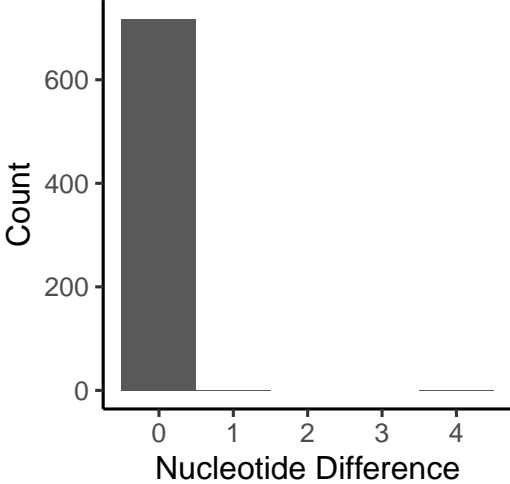
TRBV11-3*ap01

1391 sequences assigned
1381 (99.3%) exact matches, in which:
1375 unique CDR3
13 unique J



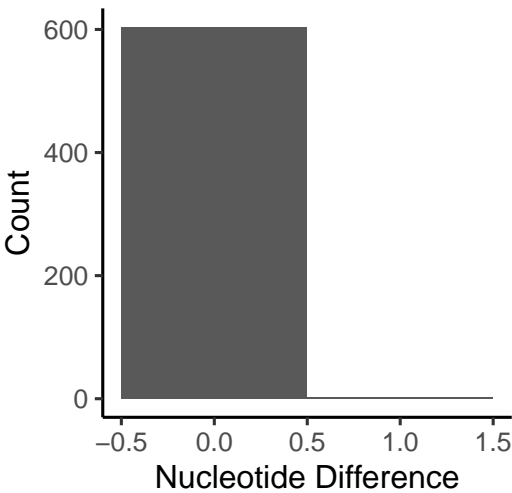
TRBV12-5*ap01

720 sequences assigned
718 (99.7%) exact matches, in which:
711 unique CDR3
13 unique J



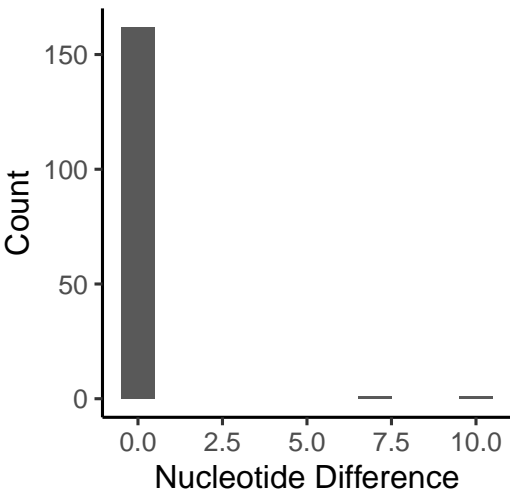
TRBV11-1*ap01

606 sequences assigned
604 (99.7%) exact matches, in which:
600 unique CDR3
13 unique J



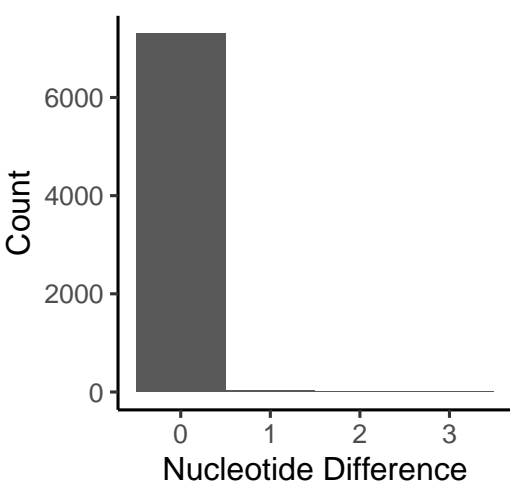
TRBV12-1*ap01

164 sequences assigned
162 (98.8%) exact matches, in which:
160 unique CDR3
12 unique J



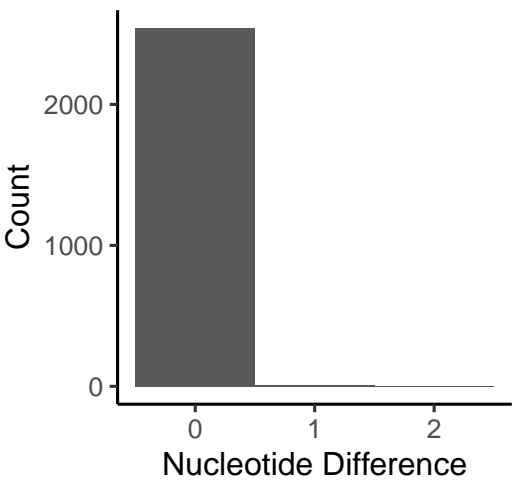
TRBV12-34*ap01

7337 sequences assigned
7299 (99.5%) exact matches, in which:
7215 unique CDR3
13 unique J



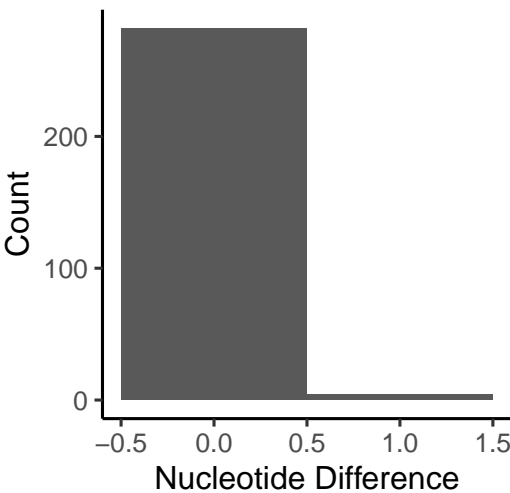
TRBV11-2*ap01

2551 sequences assigned
2542 (99.6%) exact matches, in which:
2524 unique CDR3
13 unique J



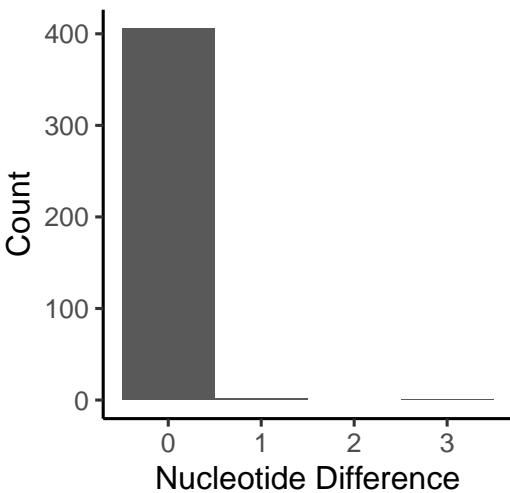
TRBV12-2*ap01

286 sequences assigned
282 (98.6%) exact matches, in which:
280 unique CDR3
13 unique J



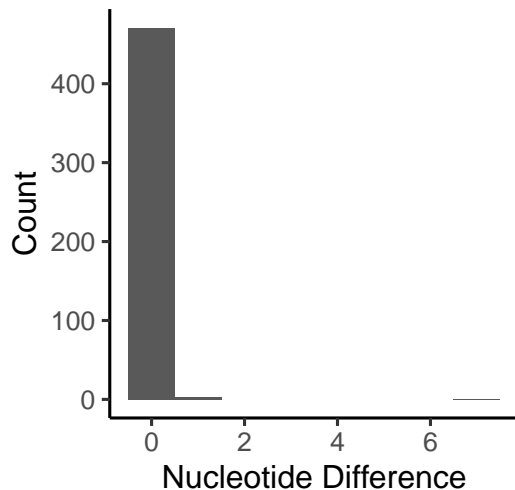
TRBV23-1*ap01

409 sequences assigned
406 (99.3%) exact matches, in which:
404 unique CDR3
13 unique J



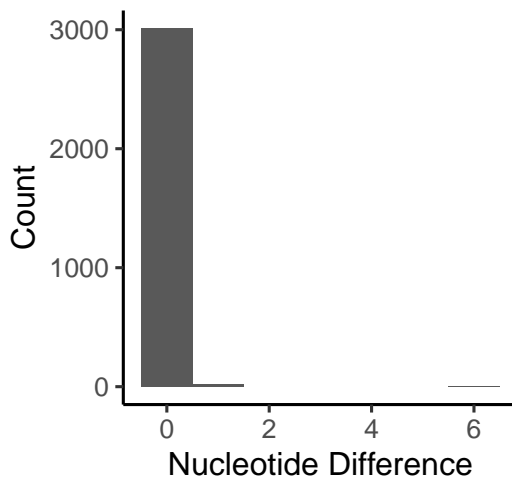
TRBV23–1*ap01_T304C

475 sequences assigned
471 (99.2%) exact matches, in which:
467 unique CDR3
13 unique J



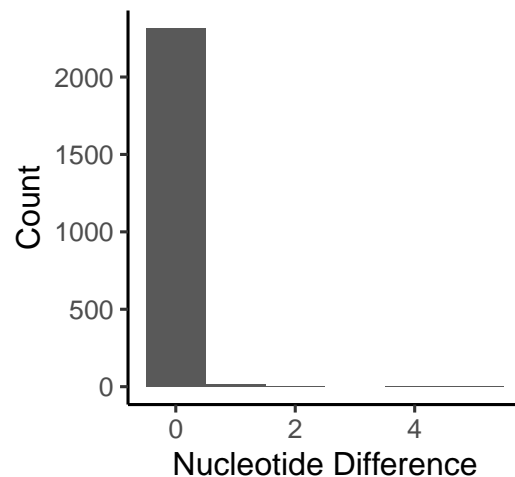
TRBV4–1*ap01

3037 sequences assigned
3011 (99.1%) exact matches, in which:
2955 unique CDR3
13 unique J



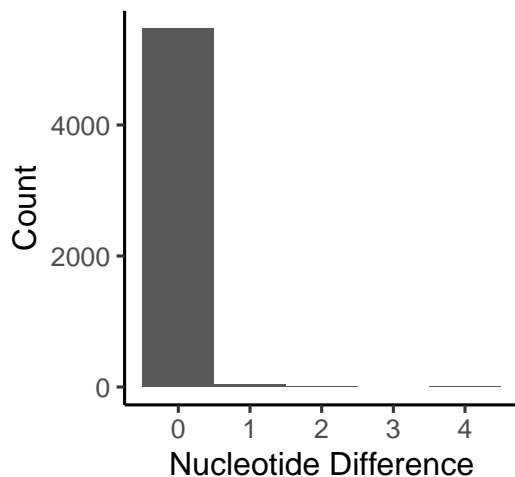
TRBV25–1*ap01

2335 sequences assigned
2314 (99.1%) exact matches, in which:
2259 unique CDR3
13 unique J



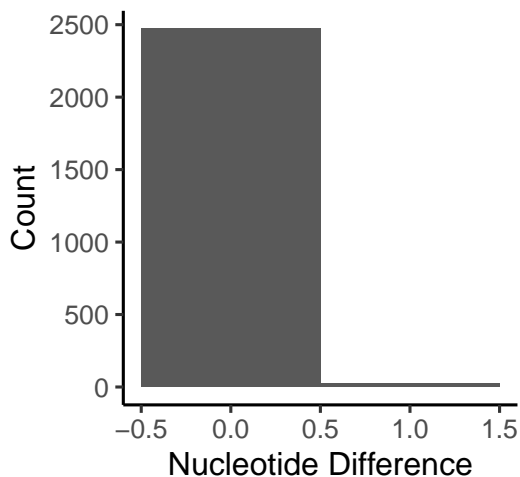
TRBV3–12*ap01

5507 sequences assigned
5469 (99.3%) exact matches, in which:
5377 unique CDR3
13 unique J



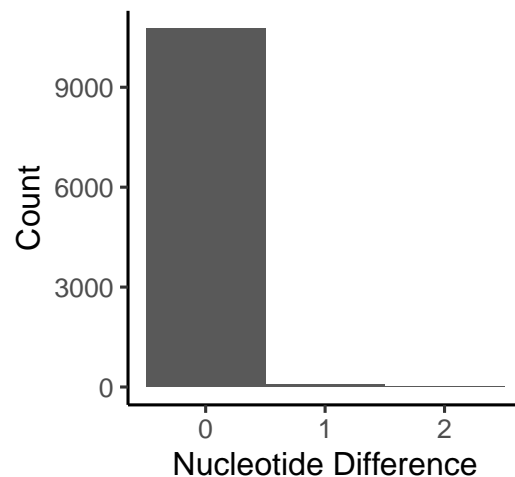
TRBV4–2*ap01

2495 sequences assigned
2472 (99.1%) exact matches, in which:
2434 unique CDR3
13 unique J



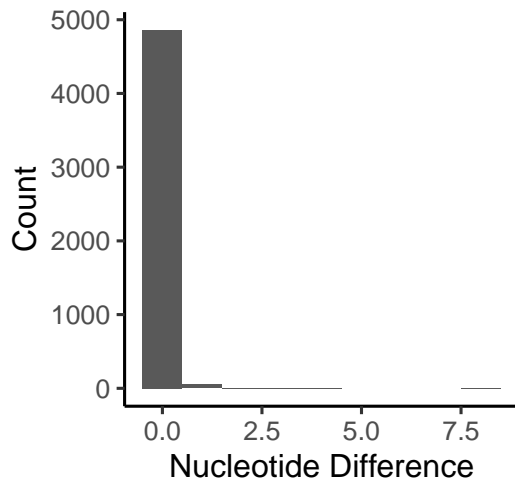
TRBV5–1*ap01

10846 sequences assigned
10758 (99.2%) exact matches, in which:
10567 unique CDR3
13 unique J



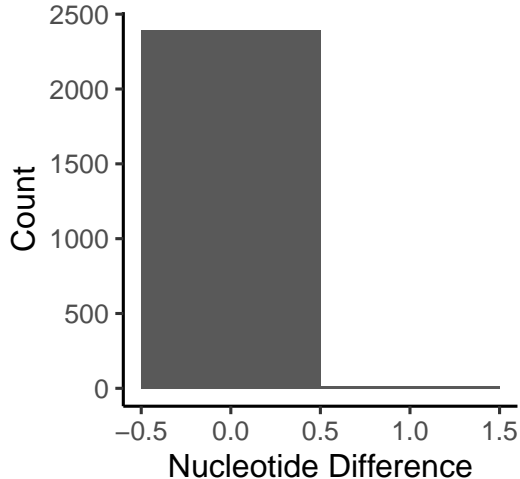
TRBV24–1*ap01

4917 sequences assigned
4860 (98.8%) exact matches, in which:
4783 unique CDR3
13 unique J



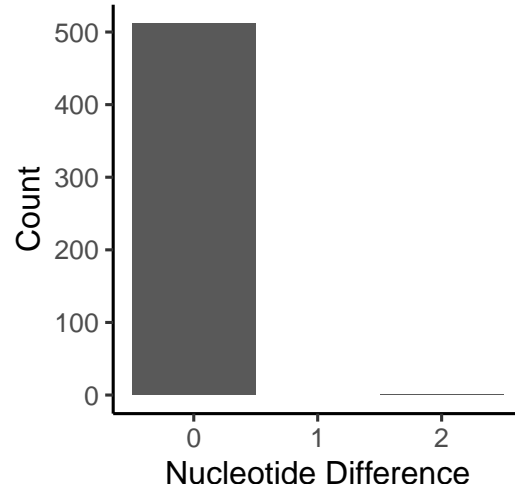
TRBV4–3*ap01

2409 sequences assigned
2394 (99.4%) exact matches, in which:
2346 unique CDR3
13 unique J



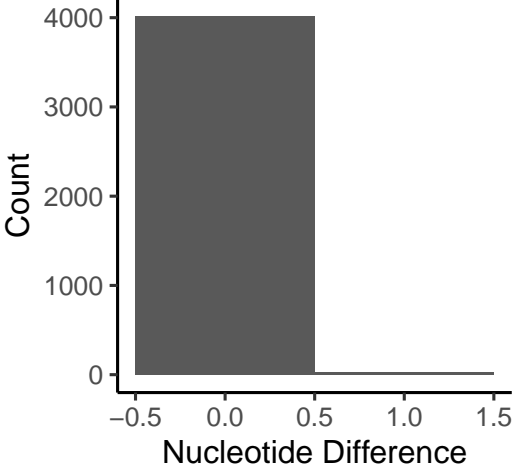
TRBV5–3*ap01

513 sequences assigned
512 (99.8%) exact matches, in which:
507 unique CDR3
13 unique J



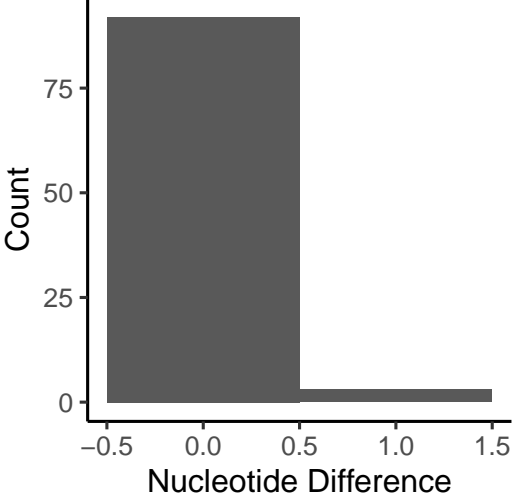
TRBV5-4*ap01

4045 sequences assigned
4014 (99.2%) exact matches, in which:
3951 unique CDR3
13 unique J



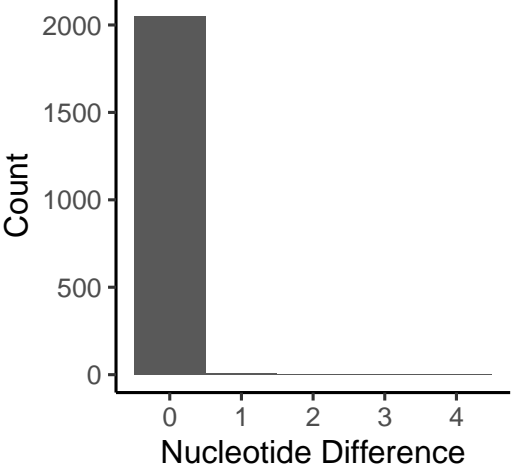
TRBV5-7*ap01

95 sequences assigned
92 (96.8%) exact matches, in which:
87 unique CDR3
13 unique J



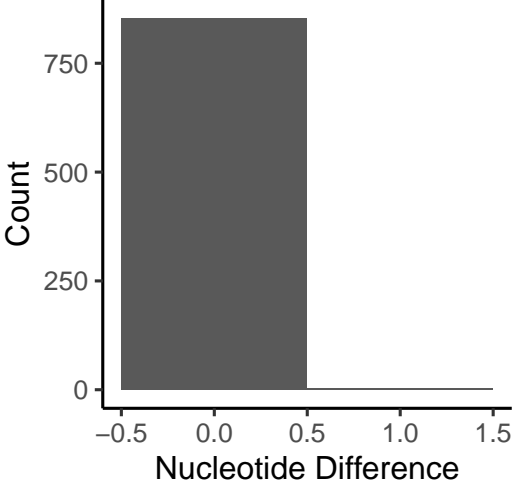
TRBV6-4*ap01

2064 sequences assigned
2049 (99.3%) exact matches, in which:
2030 unique CDR3
13 unique J



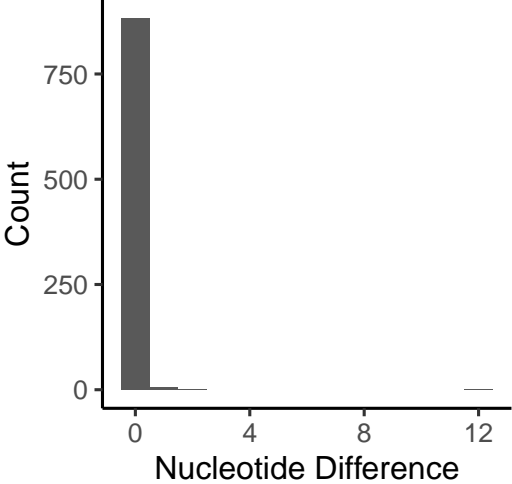
TRBV5-5*ap01

858 sequences assigned
854 (99.5%) exact matches, in which:
850 unique CDR3
13 unique J



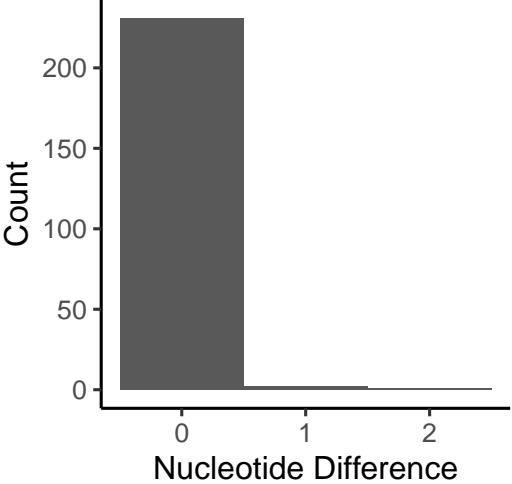
TRBV5-8*ap01

892 sequences assigned
883 (99%) exact matches, in which:
880 unique CDR3
13 unique J



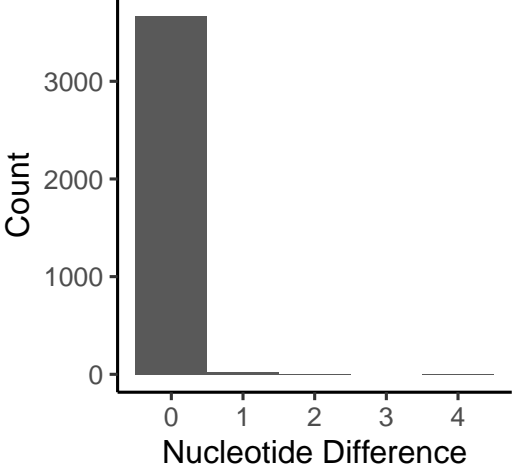
TRBV6-7*ap01

234 sequences assigned
231 (98.7%) exact matches, in which:
226 unique CDR3
13 unique J



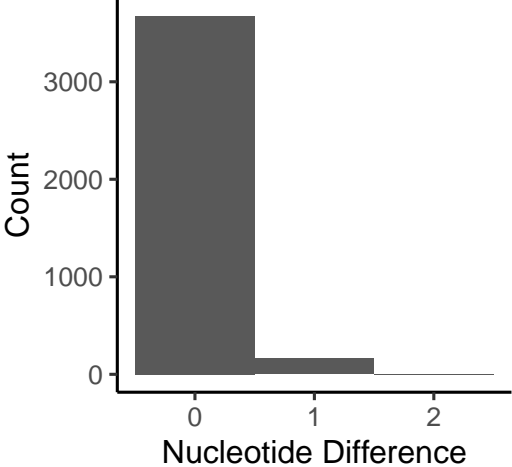
TRBV5-6*ap01

3695 sequences assigned
3668 (99.3%) exact matches, in which:
3581 unique CDR3
13 unique J



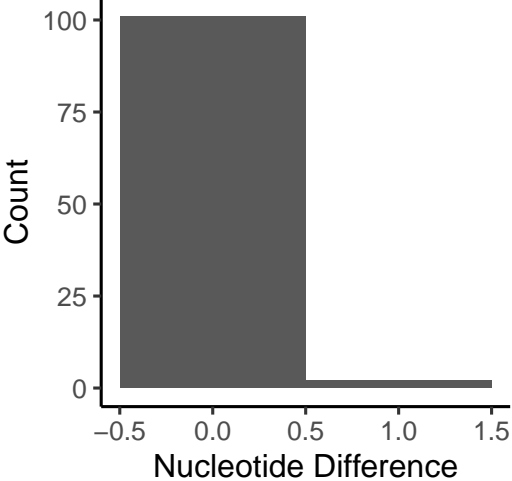
TRBV6-1*ap01

3838 sequences assigned
3674 (95.7%) exact matches, in which:
3609 unique CDR3
13 unique J



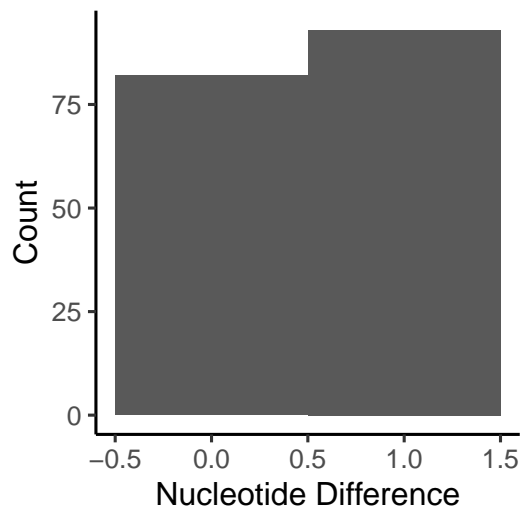
TRBV6-8*ap01

103 sequences assigned
101 (98.1%) exact matches, in which:
100 unique CDR3
10 unique J



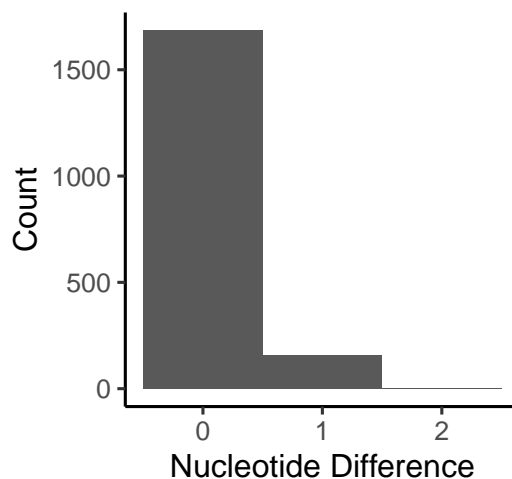
TRBV6–9*ap01

175 sequences assigned
82 (46.9%) exact matches, in which:
79 unique CDR3
12 unique J



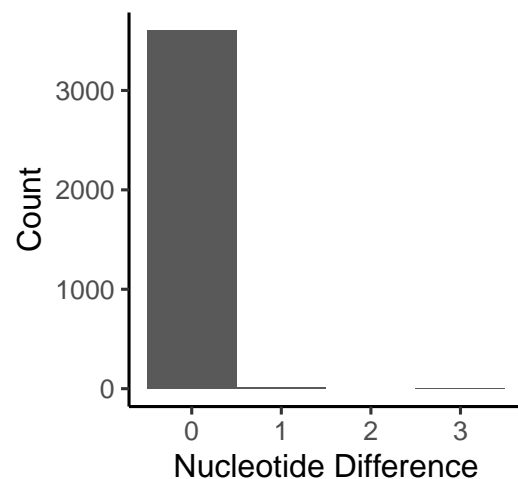
TRBV6–56*ap02

1843 sequences assigned
1685 (91.4%) exact matches, in which:
1655 unique CDR3
13 unique J



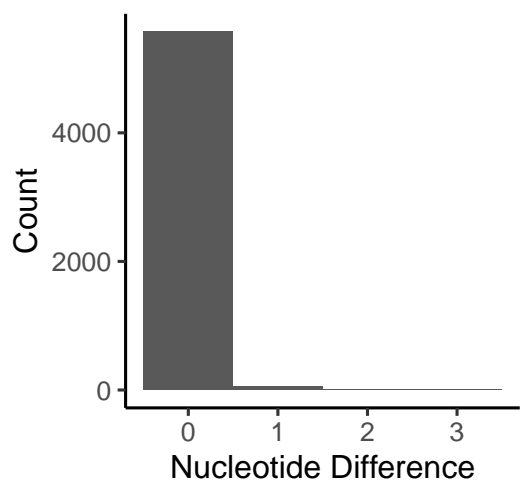
TRBV7–3*ap01

3622 sequences assigned
3604 (99.5%) exact matches, in which:
3581 unique CDR3
13 unique J



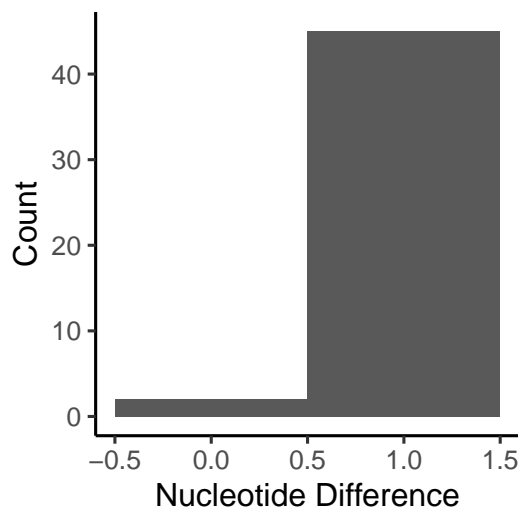
TRBV6–23*ap01

5627 sequences assigned
5573 (99%) exact matches, in which:
5449 unique CDR3
13 unique J



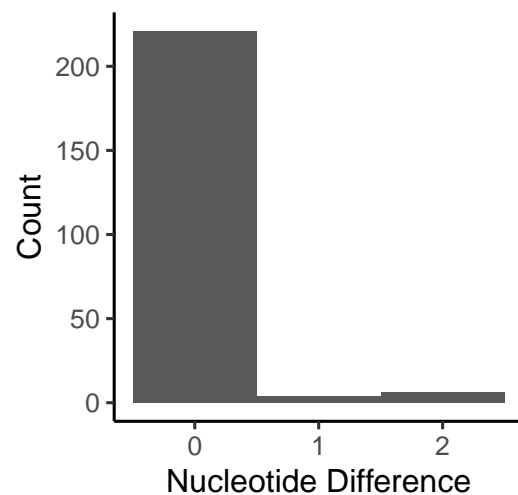
TRBV7–1*ap01_T296C

47 sequences assigned
2 (4.3%) exact matches, in which:
2 unique CDR3
2 unique J



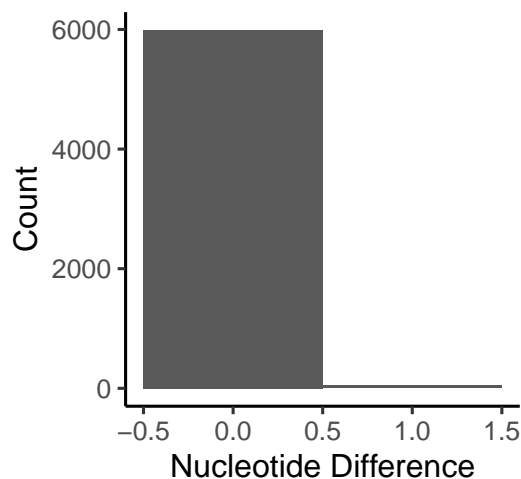
TRBV7–4*ap01

231 sequences assigned
221 (95.7%) exact matches, in which:
220 unique CDR3
12 unique J



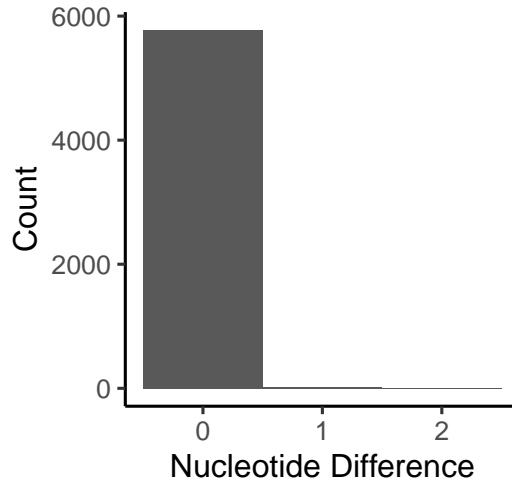
TRBV6–56*ap01

6038 sequences assigned
5990 (99.2%) exact matches, in which:
5858 unique CDR3
13 unique J



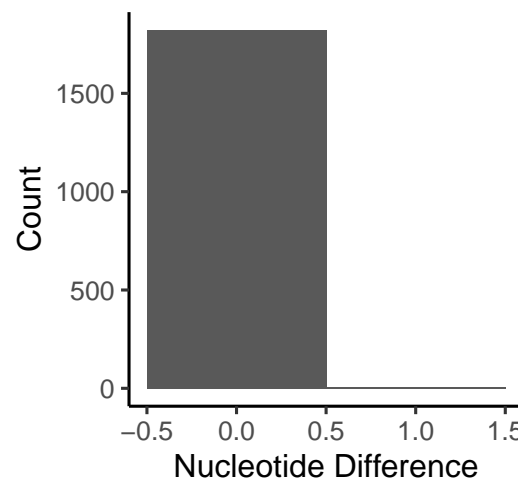
TRBV7–2*ap01

5801 sequences assigned
5775 (99.6%) exact matches, in which:
5705 unique CDR3
13 unique J



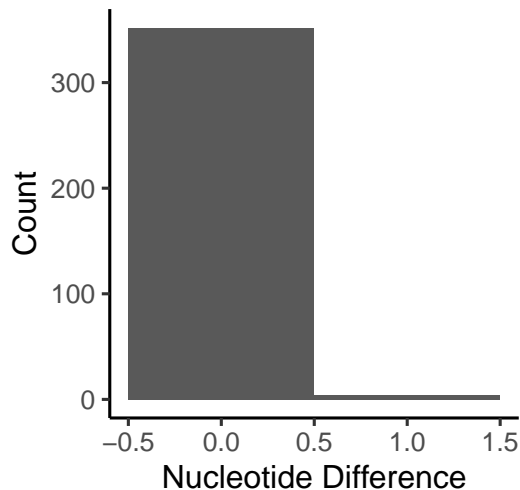
TRBV7–6*ap01

1829 sequences assigned
1822 (99.6%) exact matches, in which:
1799 unique CDR3
13 unique J



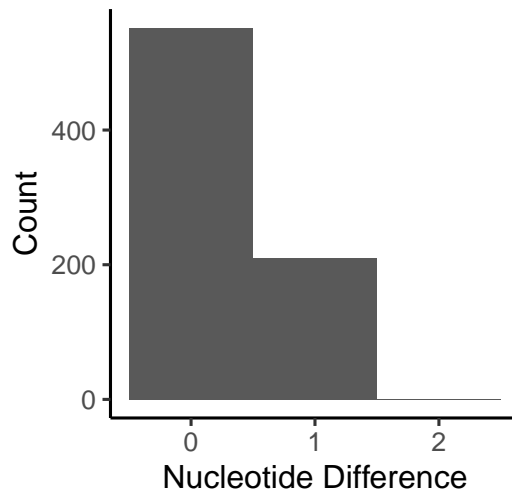
TRBV7-7*ap01

356 sequences assigned
352 (98.9%) exact matches, in which:
348 unique CDR3
12 unique J



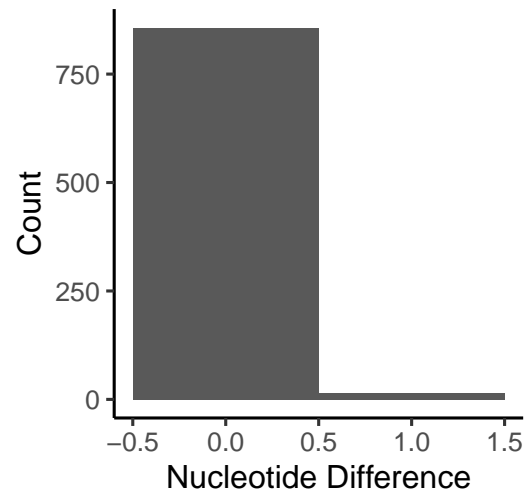
TRBV7-8*ap03

763 sequences assigned
552 (72.3%) exact matches, in which:
542 unique CDR3
13 unique J



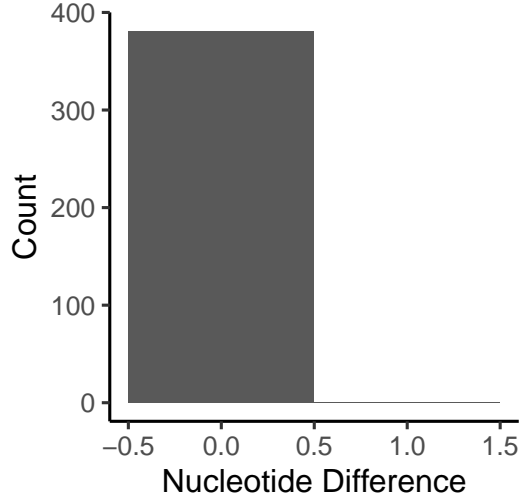
TRBV29-1*ap02

872 sequences assigned
857 (98.3%) exact matches, in which:
837 unique CDR3
13 unique J



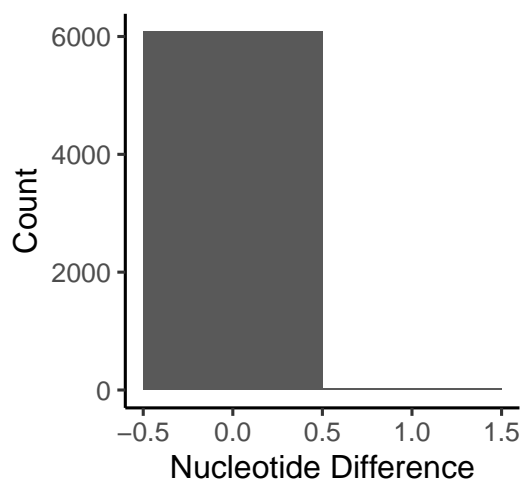
TRBV7-7*ap01_C315T

382 sequences assigned
381 (99.7%) exact matches, in which:
378 unique CDR3
13 unique J



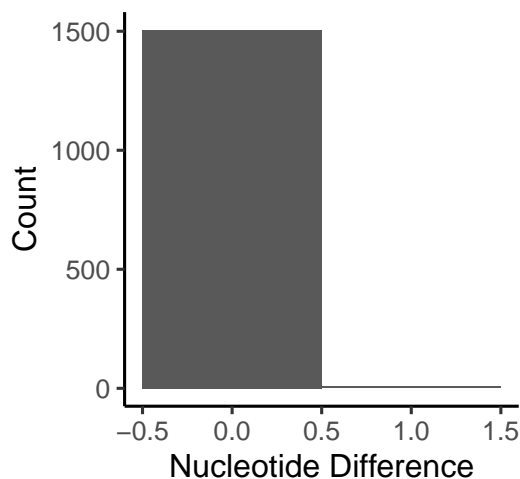
TRBV7-9*ap01

6110 sequences assigned
6081 (99.5%) exact matches, in which:
6014 unique CDR3
13 unique J



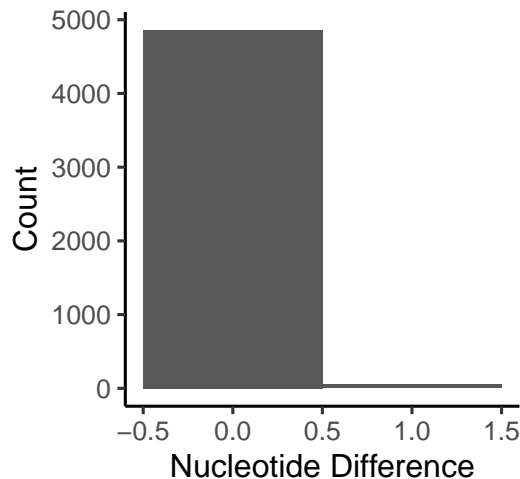
TRBV7-8*ap01

1512 sequences assigned
1505 (99.5%) exact matches, in which:
1492 unique CDR3
13 unique J

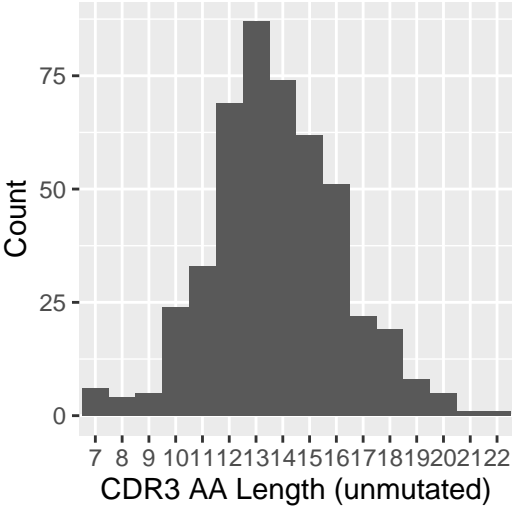


TRBV29-1*ap01

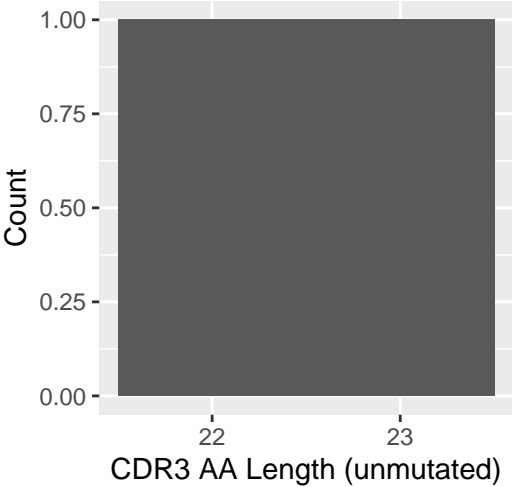
4912 sequences assigned
4860 (98.9%) exact matches, in which:
4705 unique CDR3
13 unique J



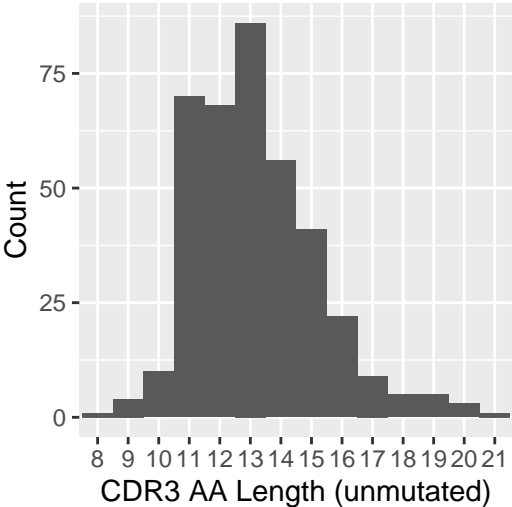
TRBV23-1*ap01_T304C



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]