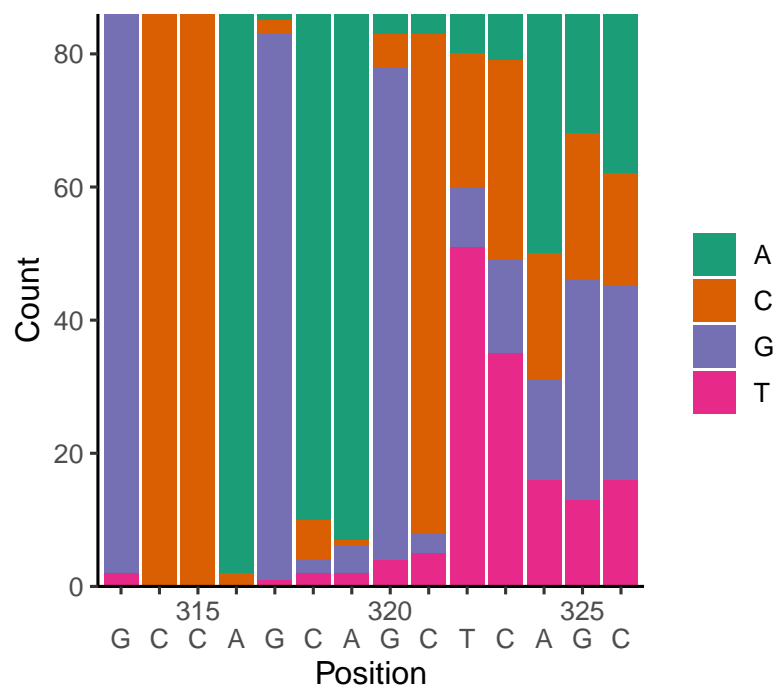
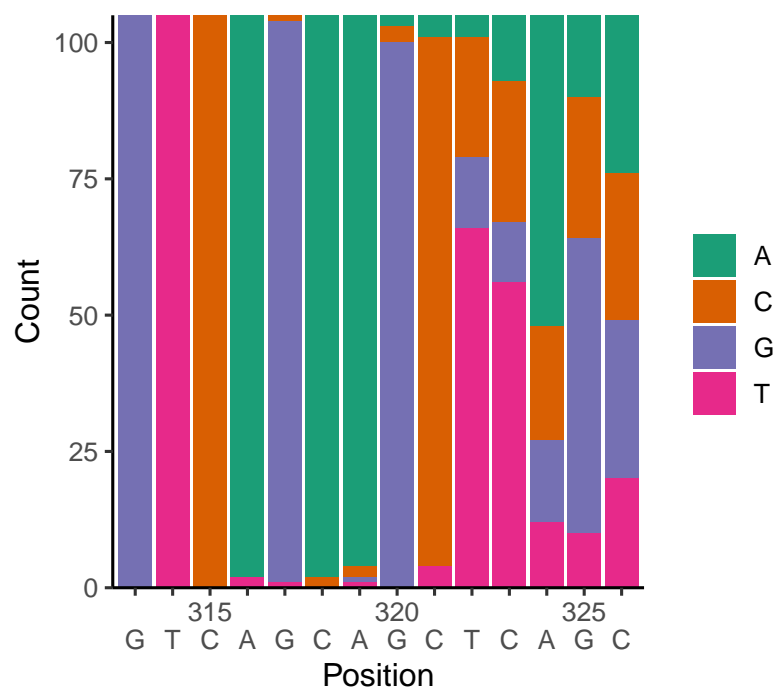


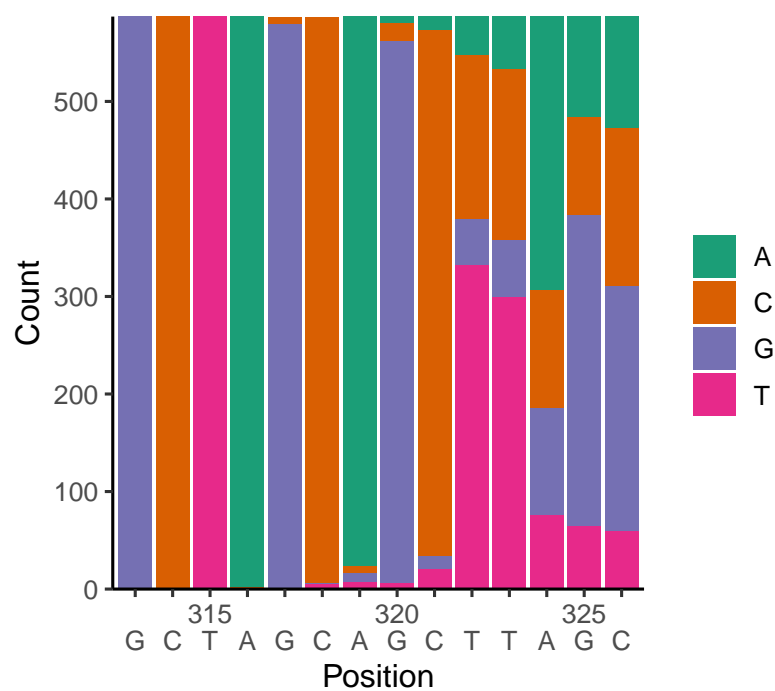
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



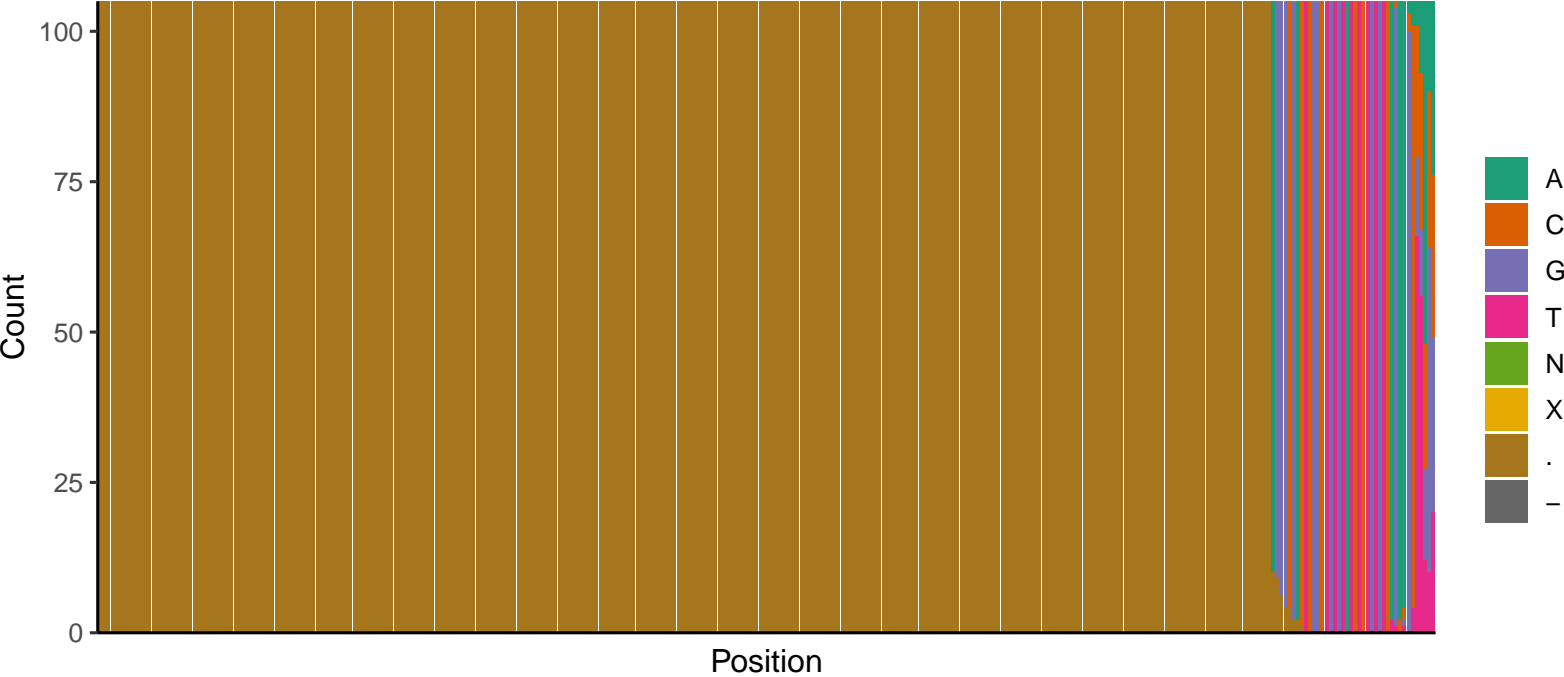
Gene TRBV7-7*ap01_C315T



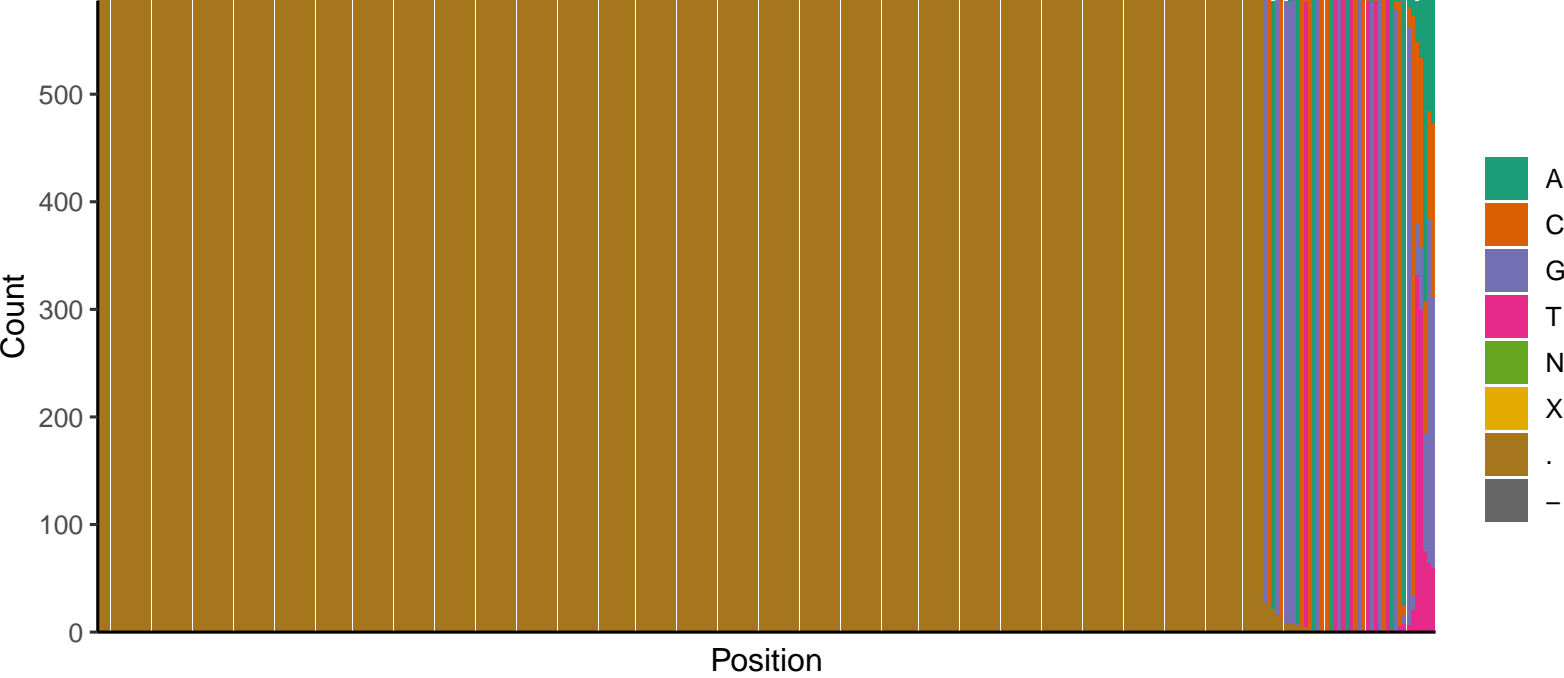
Gene TRBV7-1*ap01_G291C_T296C



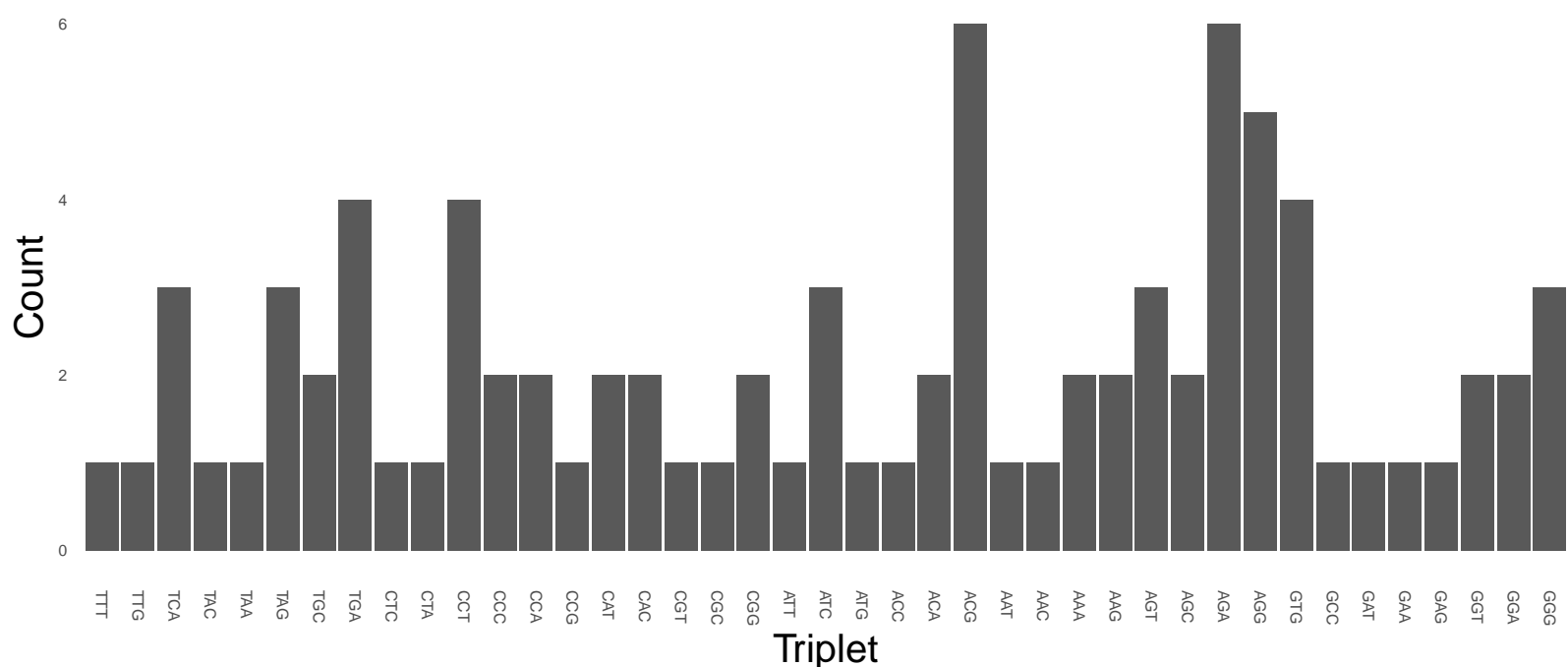
Gene TRBV7-1*ap01_G291C_T296C_C314T



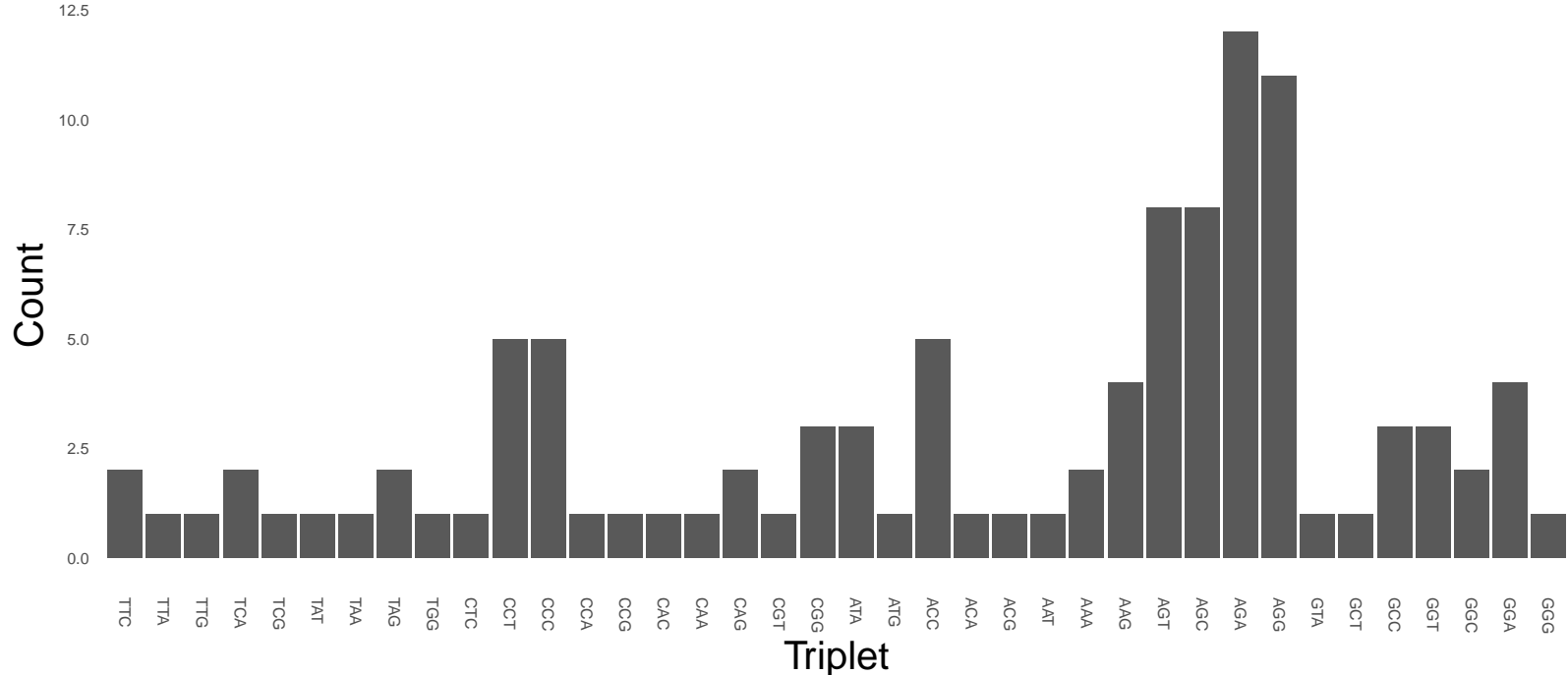
Gene TRBV7-7*ap01_C315T



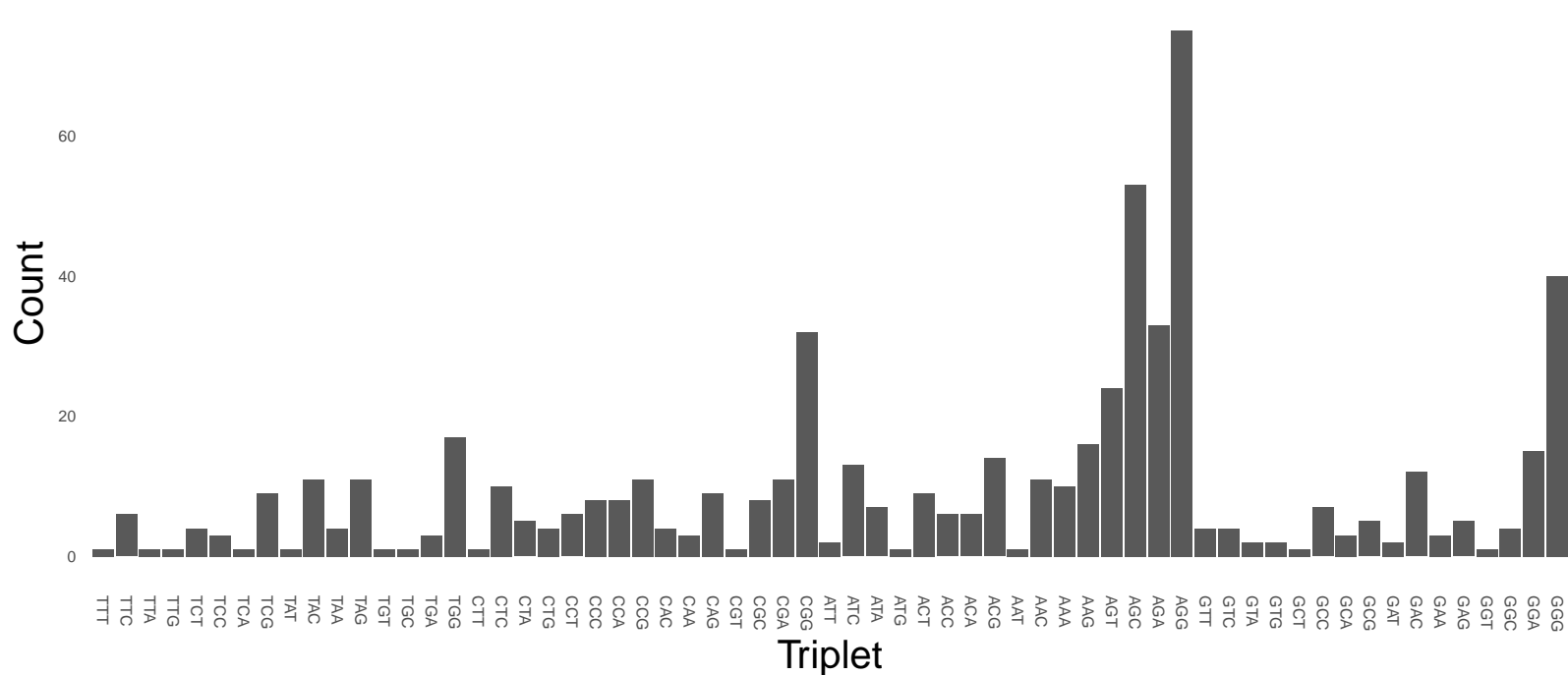
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

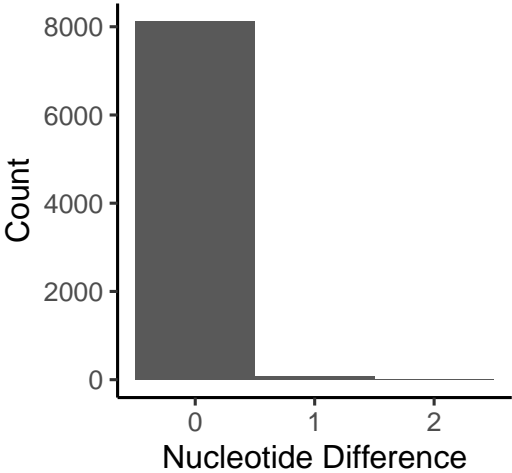


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



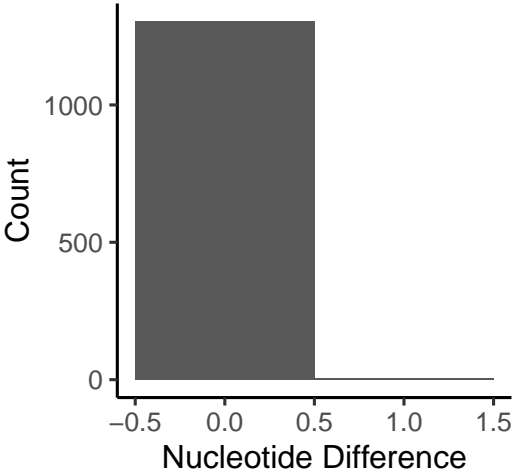
TRBV20-1*ap01

8191 sequences assigned
8121 (99.1%) exact matches, in which:
8067 unique CDR3
13 unique J



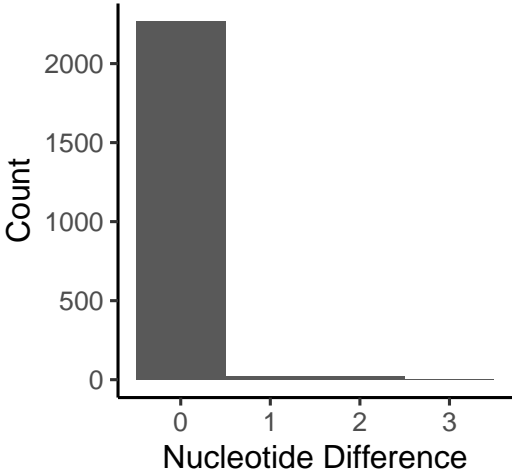
TRBV10-2*ap01

1310 sequences assigned
1304 (99.5%) exact matches, in which:
1287 unique CDR3
13 unique J



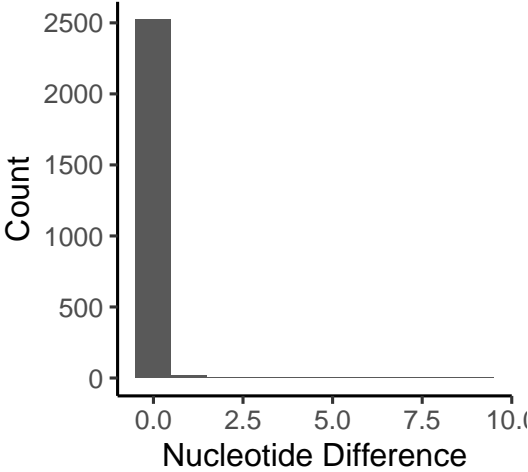
TRBV13*ap01

2313 sequences assigned
2267 (98%) exact matches, in which:
2230 unique CDR3
13 unique J



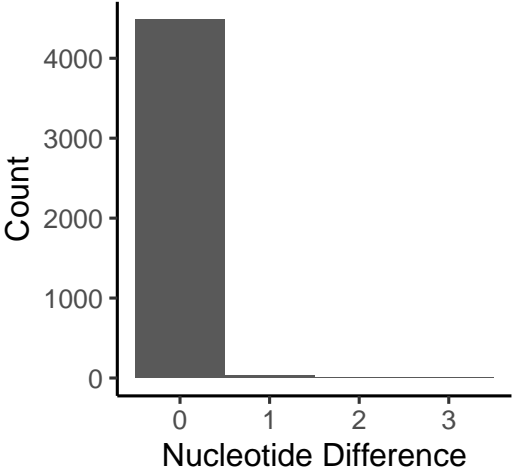
TRBV10-1*ap01

2549 sequences assigned
2522 (98.9%) exact matches, in which:
2491 unique CDR3
13 unique J



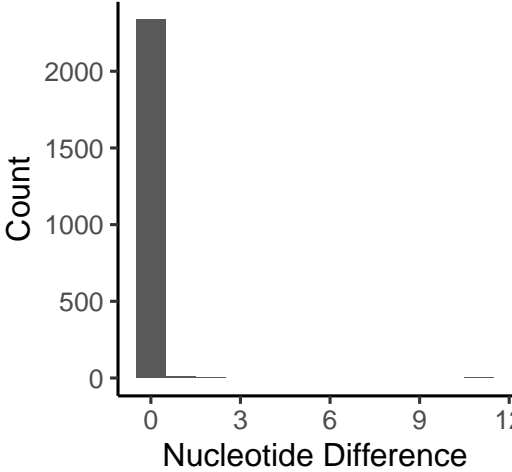
TRBV10-3*ap01

4519 sequences assigned
4482 (99.2%) exact matches, in which:
4444 unique CDR3
13 unique J



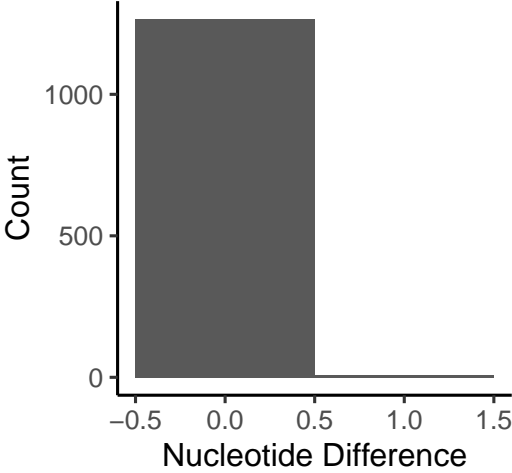
TRBV14*ap01

2349 sequences assigned
2336 (99.4%) exact matches, in which:
2326 unique CDR3
13 unique J



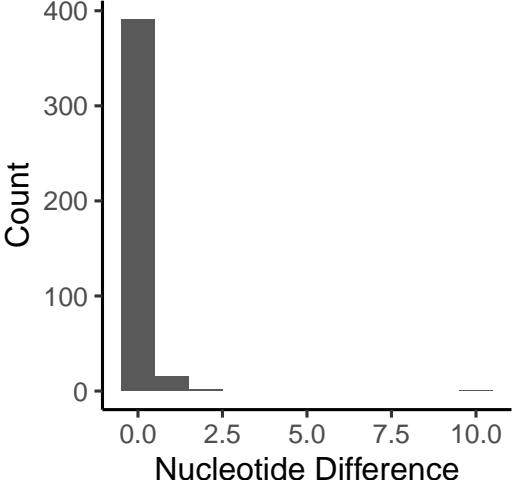
TRBV20-1*ap02

1275 sequences assigned
1266 (99.3%) exact matches, in which:
1251 unique CDR3
13 unique J



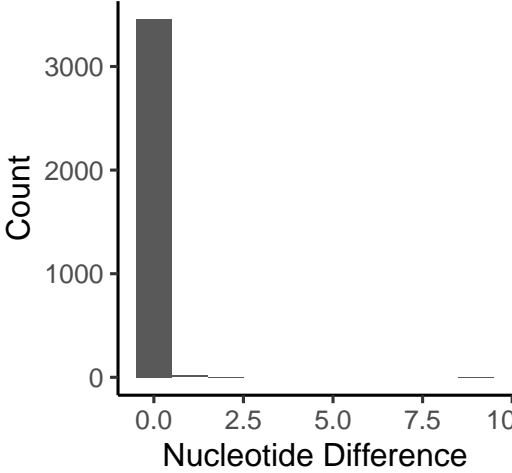
TRBV1*ap01

409 sequences assigned
391 (95.6%) exact matches, in which:
383 unique CDR3
13 unique J



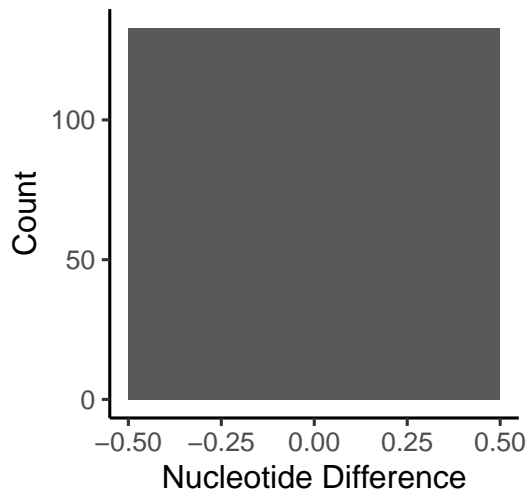
TRBV15*ap02

3479 sequences assigned
3458 (99.4%) exact matches, in which:
3416 unique CDR3
13 unique J



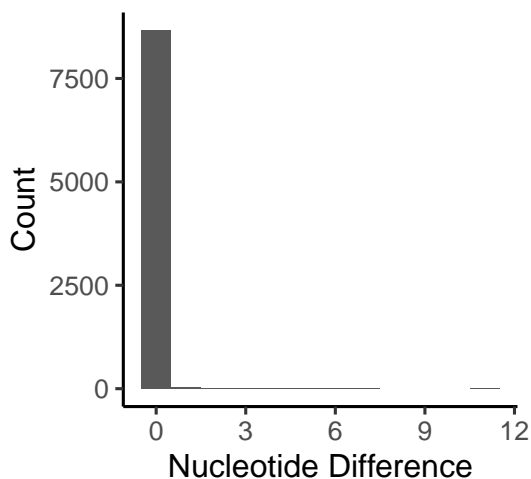
TRBV16*ap01

133 sequences assigned
133 (100%) exact matches, in which:
133 unique CDR3
12 unique J



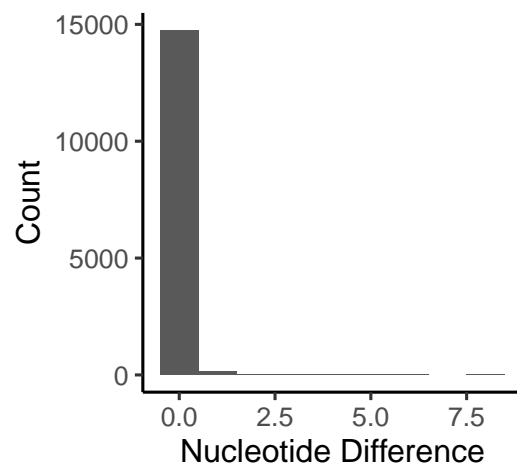
TRBV19*ap01

8712 sequences assigned
8662 (99.4%) exact matches, in which:
8646 unique CDR3
13 unique J



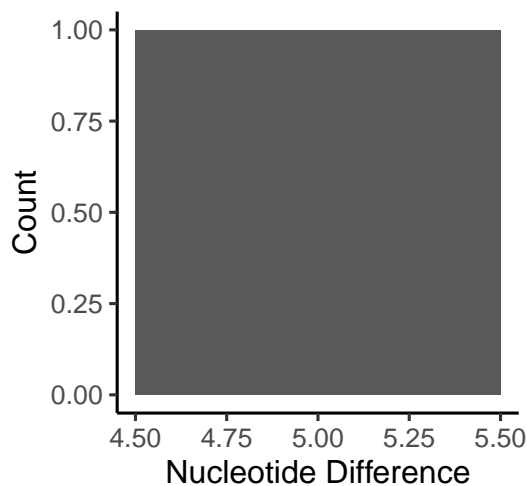
TRBV27*ap01

14916 sequences assigned
14753 (98.9%) exact matches, in which:
14602 unique CDR3
14 unique J



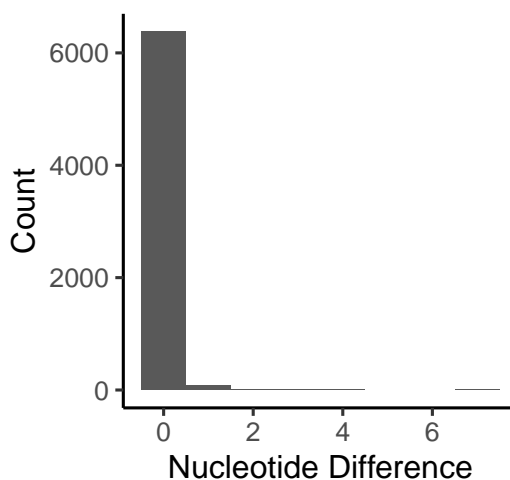
TRBV17*ap01

1 sequences assigned
No exact matches.



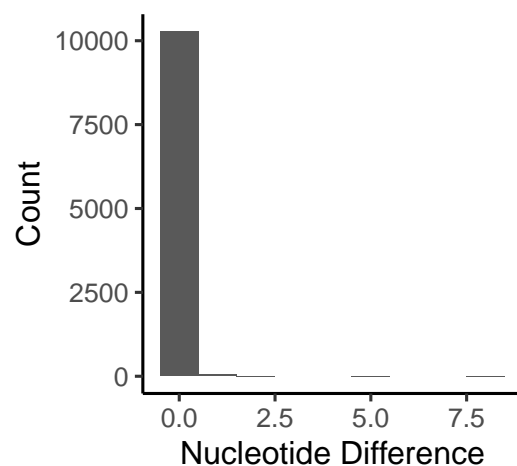
TRBV2*ap01

6477 sequences assigned
6377 (98.5%) exact matches, in which:
6293 unique CDR3
13 unique J



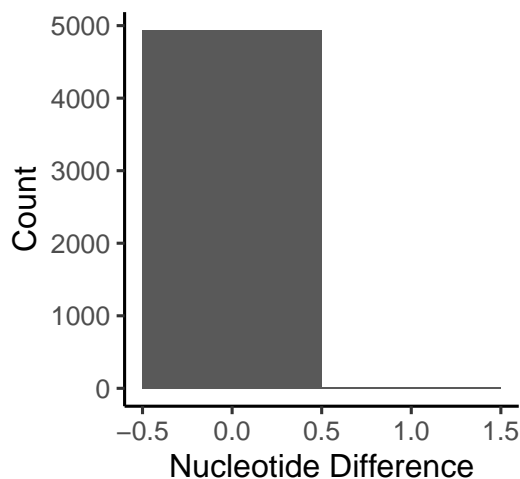
TRBV28*ap01

10340 sequences assigned
10276 (99.4%) exact matches, in which:
10198 unique CDR3
13 unique J



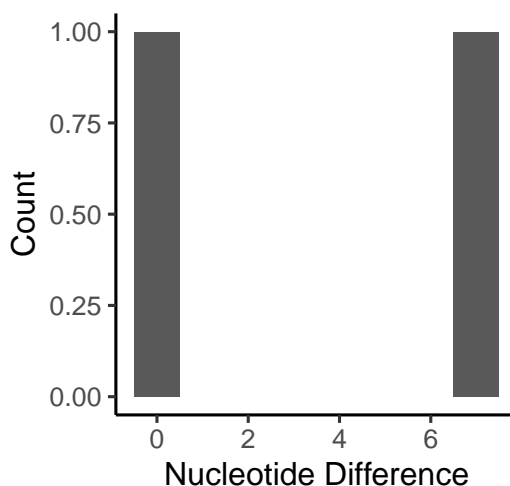
TRBV18*ap01

4957 sequences assigned
4939 (99.6%) exact matches, in which:
4921 unique CDR3
13 unique J



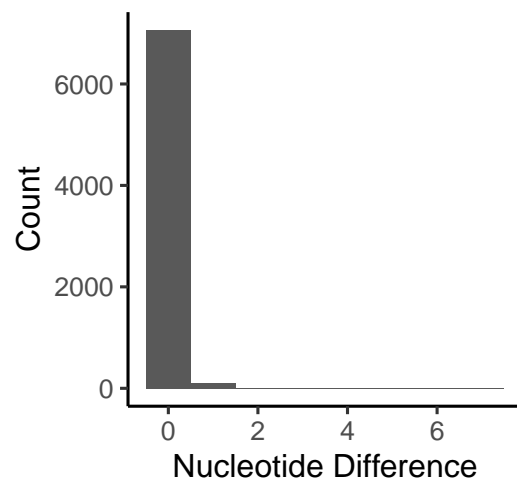
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



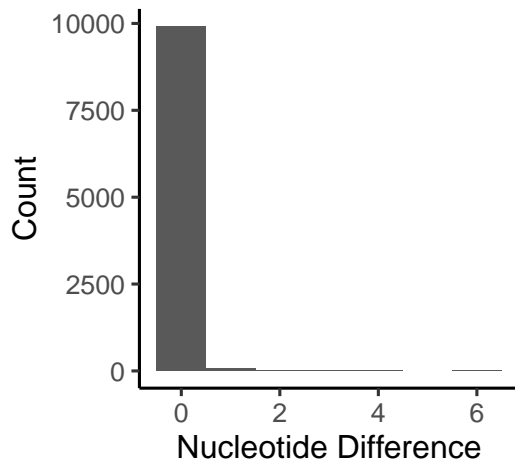
TRBV30*ap01

7172 sequences assigned
7063 (98.5%) exact matches, in which:
6995 unique CDR3
13 unique J



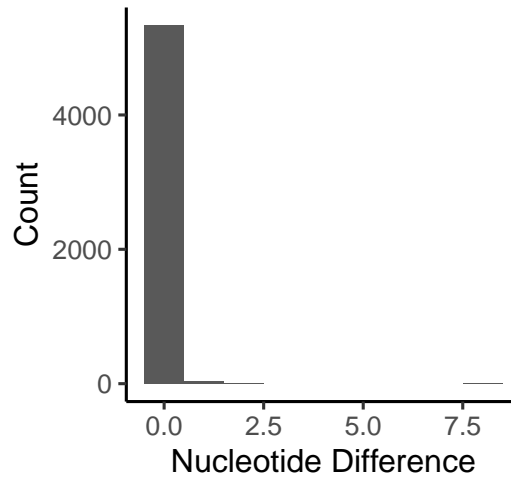
TRBV9*ap01

9991 sequences assigned
9922 (99.3%) exact matches, in which:
9825 unique CDR3
13 unique J



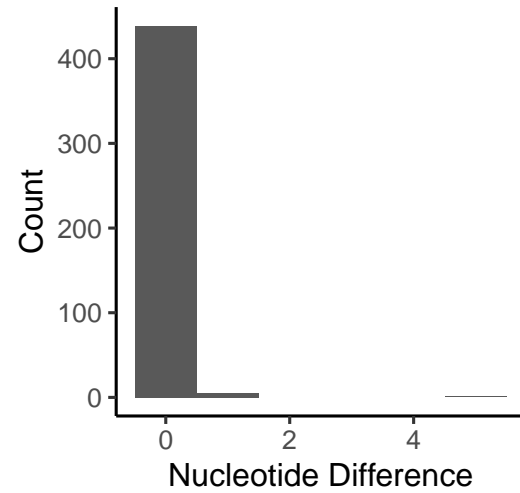
TRBV11-2*ap01

5375 sequences assigned
5333 (99.2%) exact matches, in which:
5278 unique CDR3
13 unique J



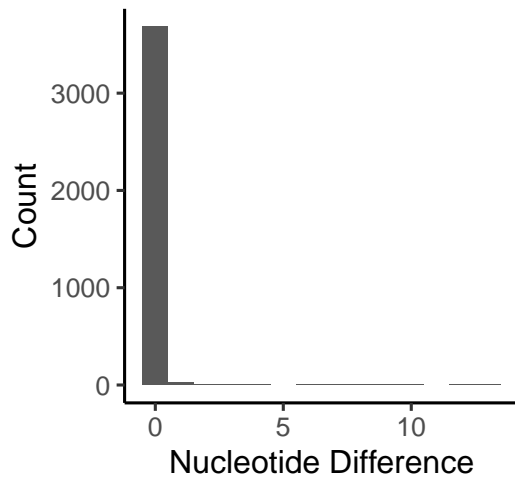
TRBV12-2*ap01

445 sequences assigned
439 (98.7%) exact matches, in which:
437 unique CDR3
13 unique J



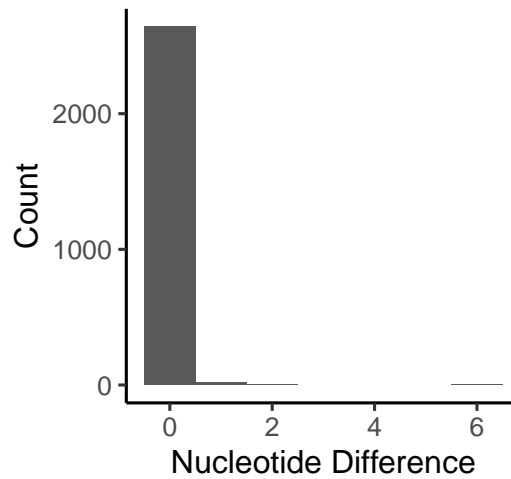
TRBV21-1*ap01

3731 sequences assigned
3683 (98.7%) exact matches, in which:
3662 unique CDR3
13 unique J



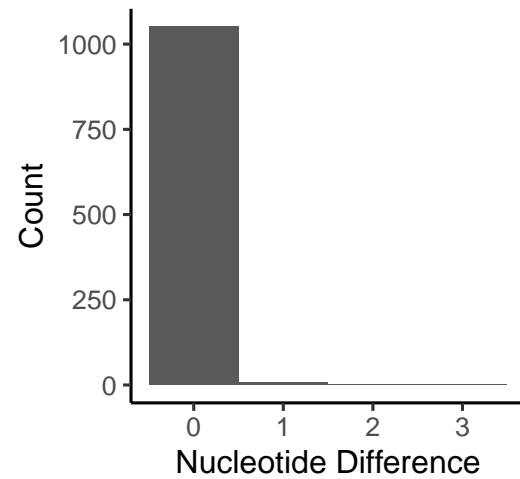
TRBV11-3*ap01

2663 sequences assigned
2641 (99.2%) exact matches, in which:
2622 unique CDR3
13 unique J



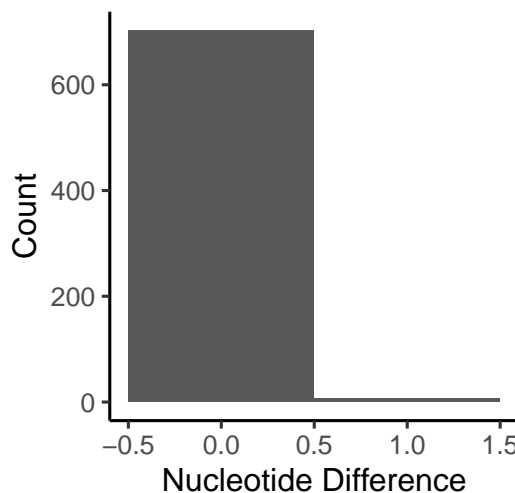
TRBV12-5*ap01

1060 sequences assigned
1051 (99.2%) exact matches, in which:
1046 unique CDR3
13 unique J



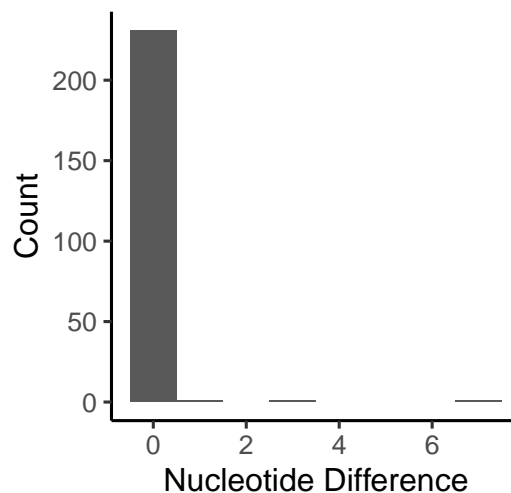
TRBV11-1*ap01

710 sequences assigned
703 (99%) exact matches, in which:
696 unique CDR3
13 unique J



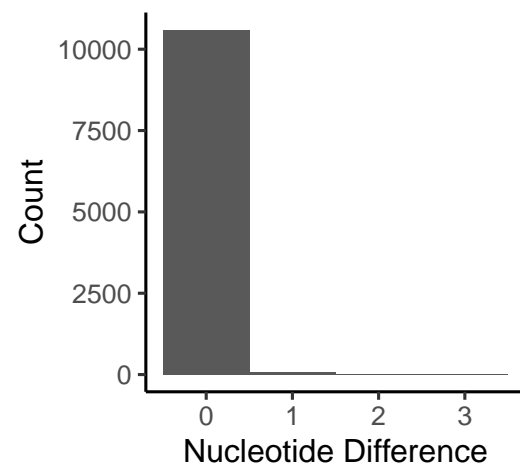
TRBV12-1*ap01

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



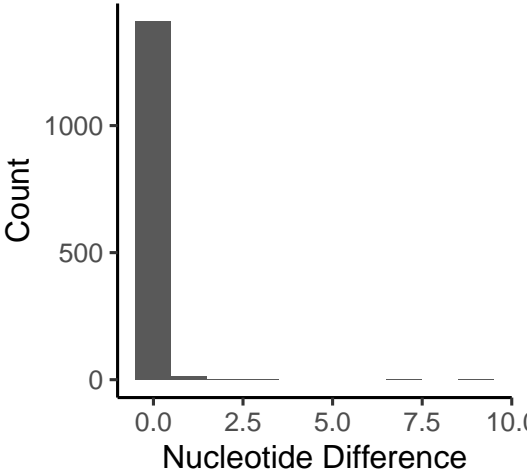
TRBV12-34*ap01

10688 sequences assigned
10597 (99.1%) exact matches, in which:
10491 unique CDR3
13 unique J



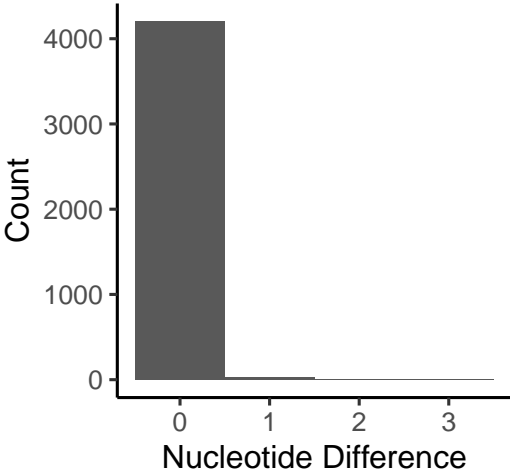
TRBV23-1*ap01

1426 sequences assigned
1410 (98.9%) exact matches, in which:
1400 unique CDR3
13 unique J



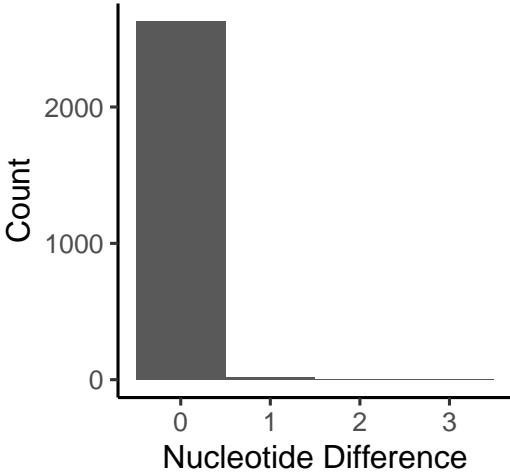
TRBV24-1*ap01

4239 sequences assigned
4203 (99.2%) exact matches, in which:
4166 unique CDR3
13 unique J



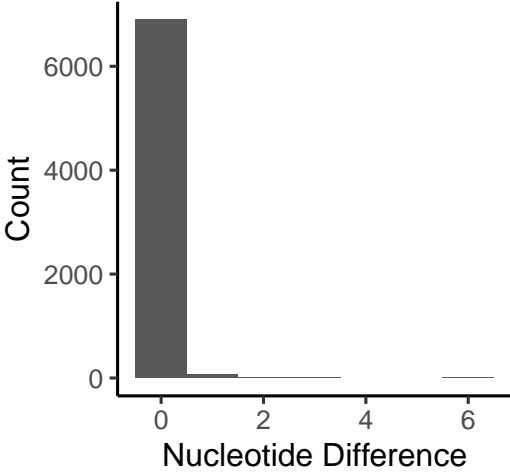
TRBV25-1*ap01

2652 sequences assigned
2628 (99.1%) exact matches, in which:
2607 unique CDR3
13 unique J



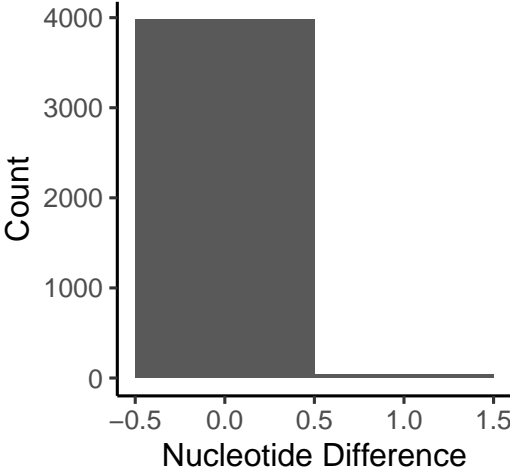
TRBV3-12*ap01

6970 sequences assigned
6896 (98.9%) exact matches, in which:
6831 unique CDR3
13 unique J



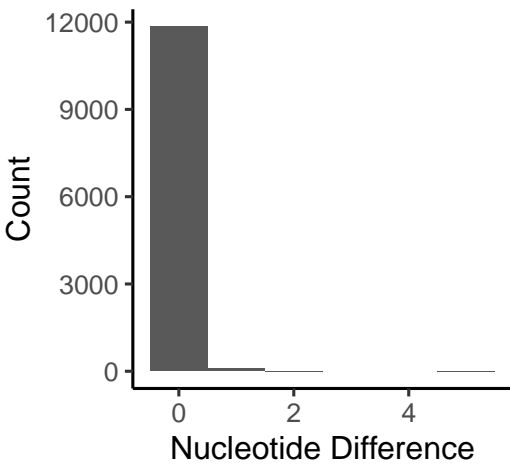
TRBV4-2*ap01

4018 sequences assigned
3977 (99%) exact matches, in which:
3952 unique CDR3
13 unique J



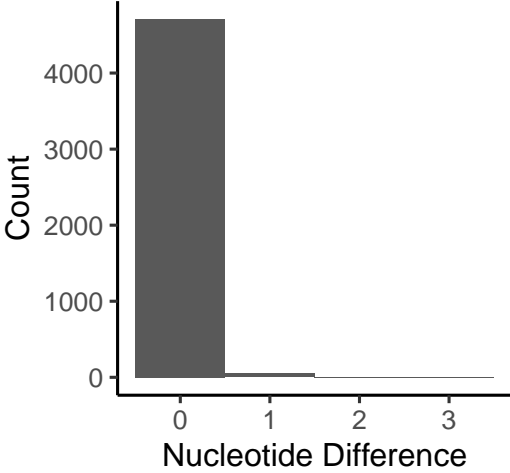
TRBV5-1*ap01

11941 sequences assigned
11851 (99.2%) exact matches, in which:
11713 unique CDR3
13 unique J



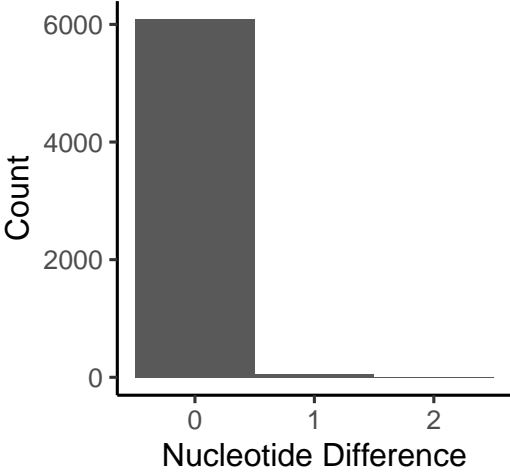
TRBV4-1*ap01

4765 sequences assigned
4710 (98.8%) exact matches, in which:
4669 unique CDR3
13 unique J



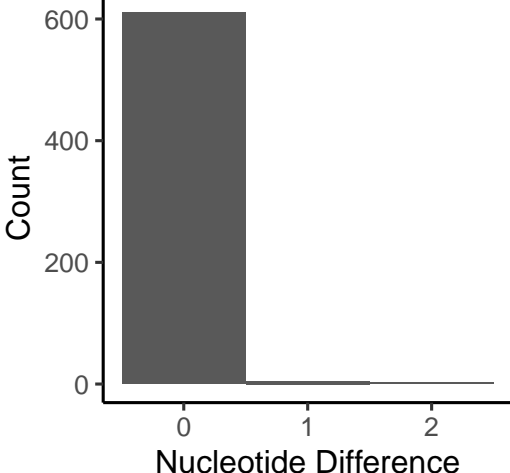
TRBV4-3*ap01

6146 sequences assigned
6091 (99.1%) exact matches, in which:
6033 unique CDR3
13 unique J



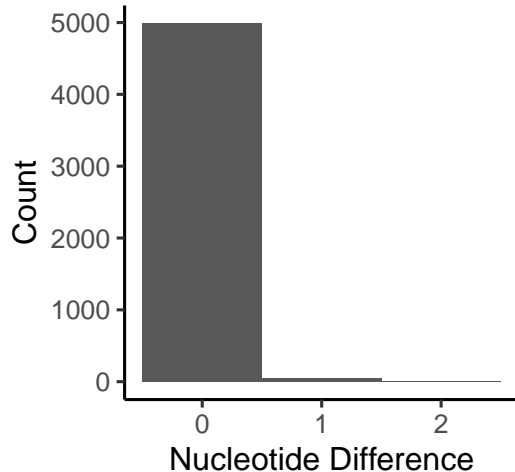
TRBV5-3*ap01

618 sequences assigned
611 (98.9%) exact matches, in which:
605 unique CDR3
13 unique J



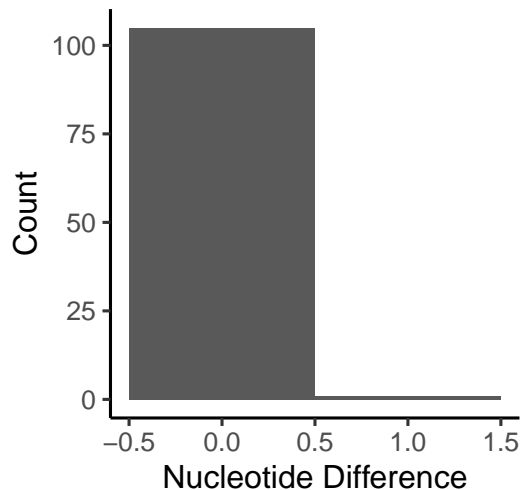
TRBV5-4*ap01

5033 sequences assigned
4988 (99.1%) exact matches, in which:
4903 unique CDR3
13 unique J



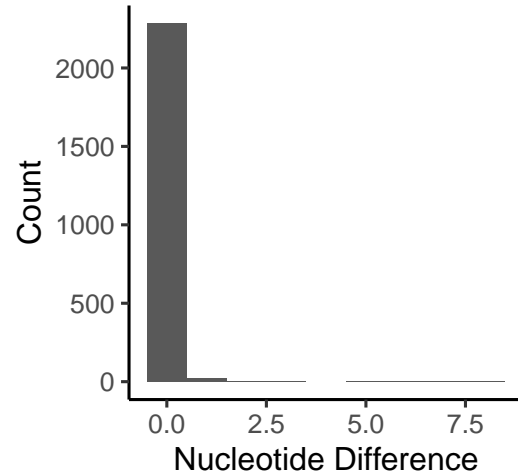
TRBV5-7*ap01

106 sequences assigned
105 (99.1%) exact matches, in which:
104 unique CDR3
13 unique J



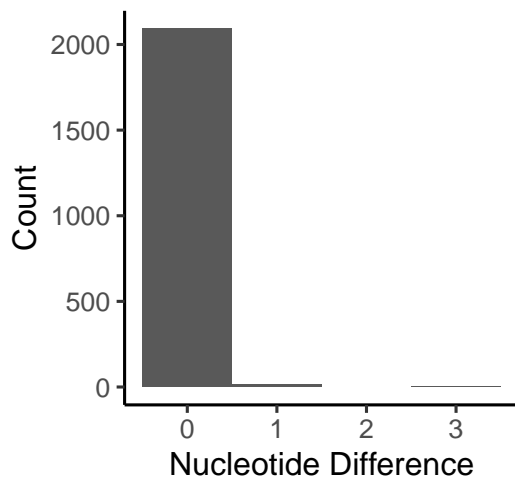
TRBV6-4*ap01

2320 sequences assigned
2284 (98.4%) exact matches, in which:
2269 unique CDR3
13 unique J



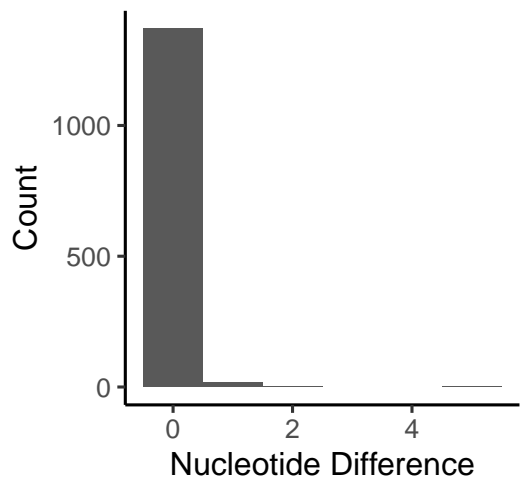
TRBV5-5*ap01

2107 sequences assigned
2092 (99.3%) exact matches, in which:
2071 unique CDR3
13 unique J



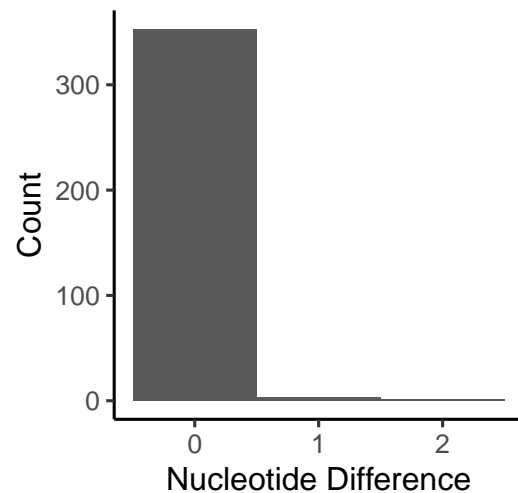
TRBV5-8*ap01

1390 sequences assigned
1370 (98.6%) exact matches, in which:
1363 unique CDR3
13 unique J



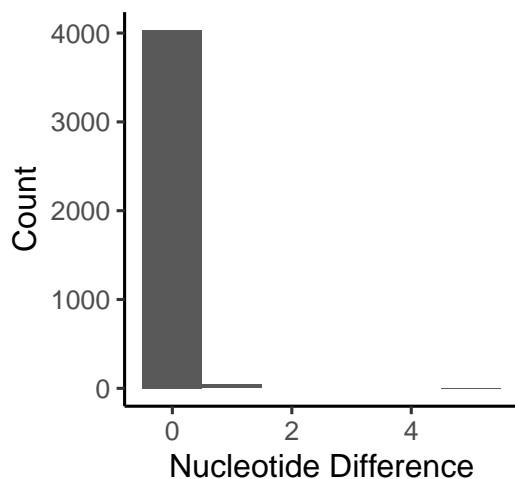
TRBV6-7*ap01

357 sequences assigned
353 (98.9%) exact matches, in which:
350 unique CDR3
13 unique J



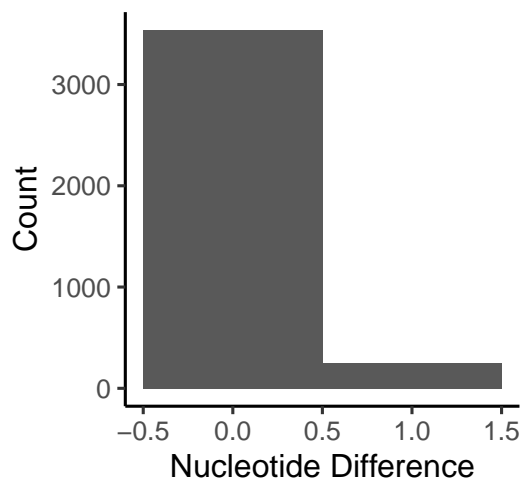
TRBV5-6*ap01

4077 sequences assigned
4034 (98.9%) exact matches, in which:
3990 unique CDR3
13 unique J



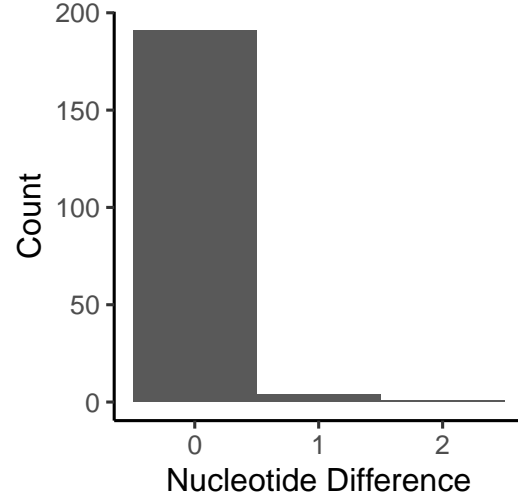
TRBV6-1*ap01

3787 sequences assigned
3538 (93.4%) exact matches, in which:
3487 unique CDR3
13 unique J



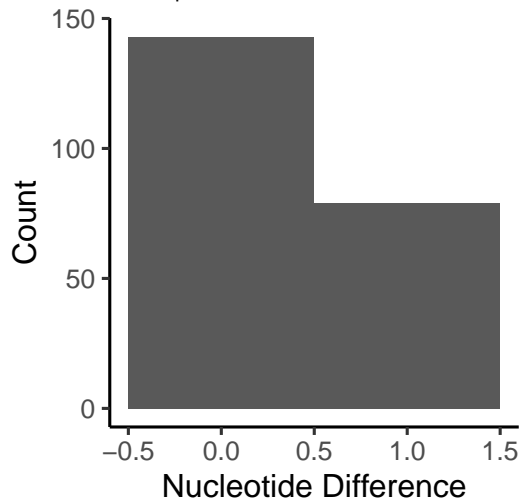
TRBV6-8*ap01

196 sequences assigned
191 (97.4%) exact matches, in which:
189 unique CDR3
13 unique J



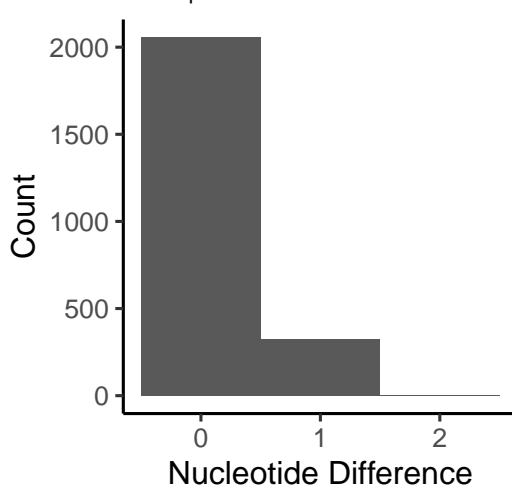
TRBV6–9*ap01

222 sequences assigned
143 (64.4%) exact matches, in which:
141 unique CDR3
13 unique J



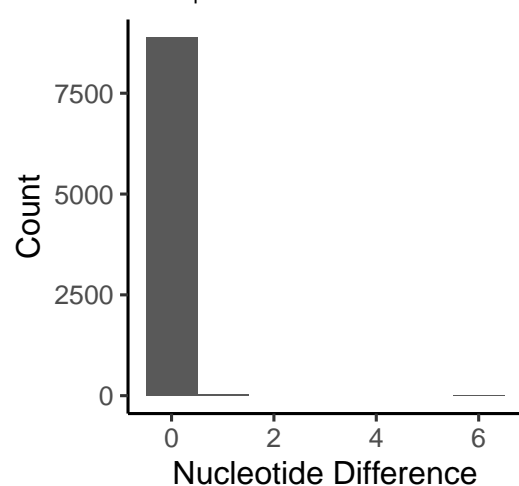
TRBV6–56*ap02

2382 sequences assigned
2056 (86.3%) exact matches, in which:
2022 unique CDR3
13 unique J



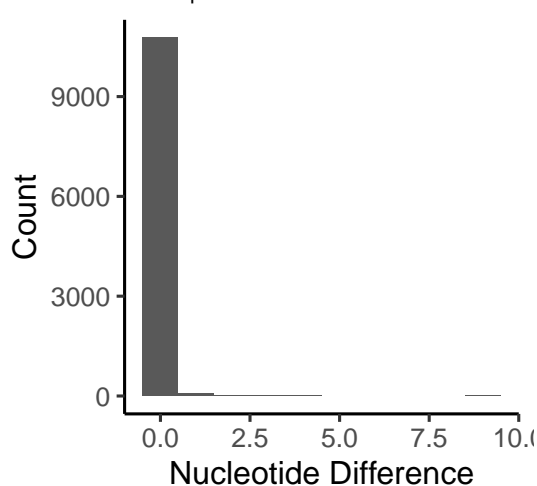
TRBV7–2*ap01

8926 sequences assigned
8884 (99.5%) exact matches, in which:
8824 unique CDR3
13 unique J



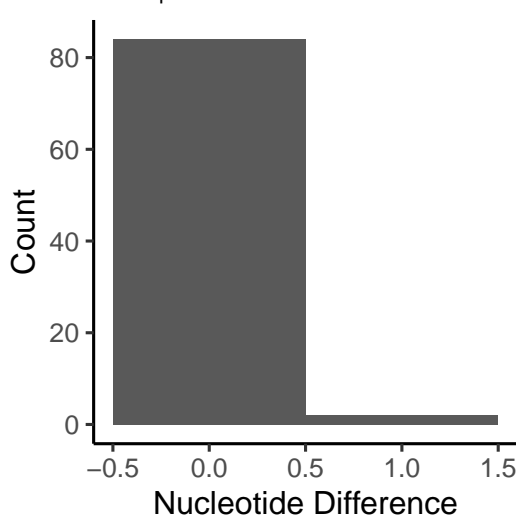
TRBV6–23*ap01

10866 sequences assigned
10769 (99.1%) exact matches, in which:
10638 unique CDR3
13 unique J



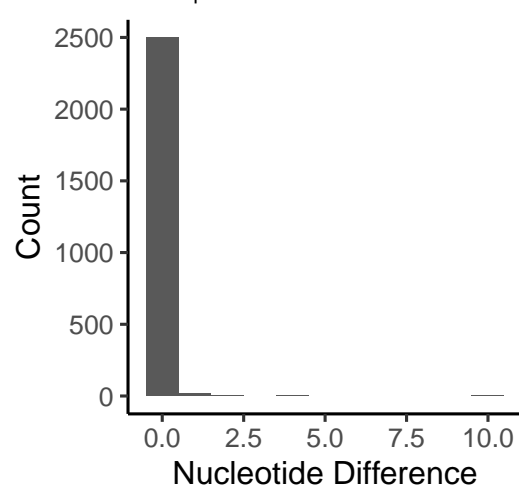
TRBV7–1*ap01_G291C_T

86 sequences assigned
84 (97.7%) exact matches, in which:
82 unique CDR3
12 unique J



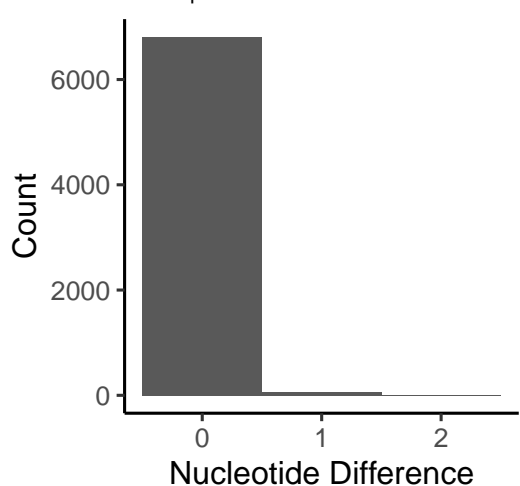
TRBV7–3*ap01

2518 sequences assigned
2498 (99.2%) exact matches, in which:
2488 unique CDR3
13 unique J



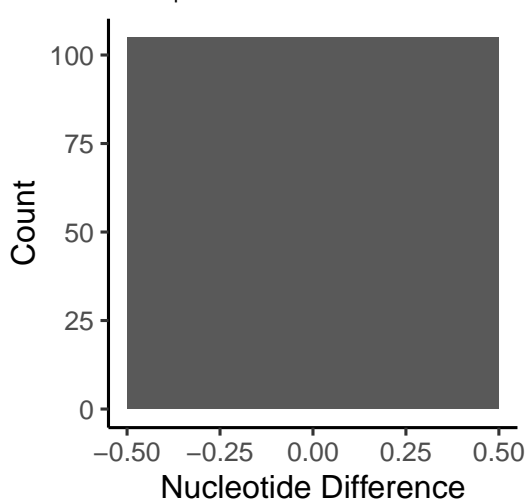
TRBV6–56*ap01

6867 sequences assigned
6807 (99.1%) exact matches, in which:
6716 unique CDR3
13 unique J



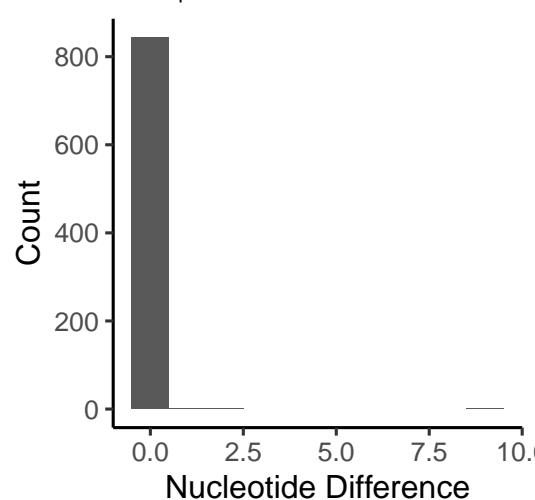
TRBV7–1*ap01_G291C_

105 sequences assigned
105 (100%) exact matches, in which:
105 unique CDR3
11 unique J



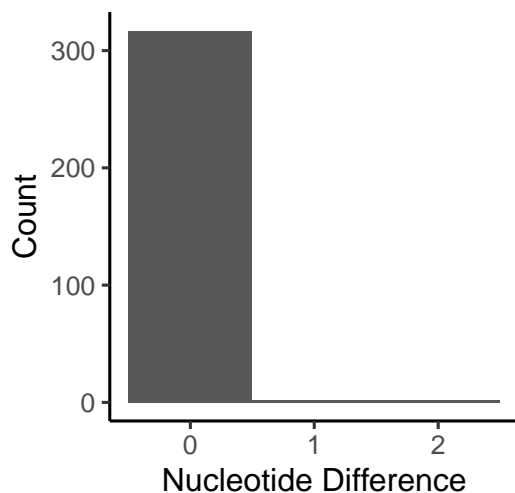
TRBV7–3*ap02

849 sequences assigned
844 (99.4%) exact matches, in which:
840 unique CDR3
13 unique J



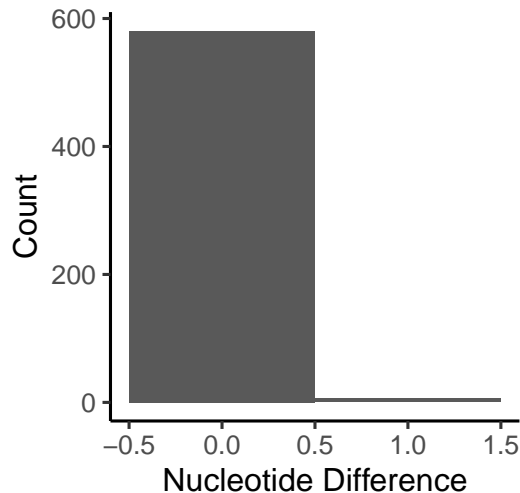
TRBV7-4*ap01

321 sequences assigned
317 (98.8%) exact matches, in which:
133 unique CDR3
13 unique J



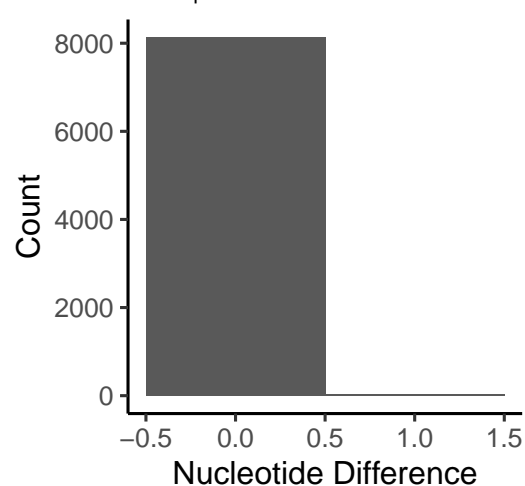
TRBV7-7*ap01_C315T

587 sequences assigned
581 (99%) exact matches, in which:
576 unique CDR3
13 unique J



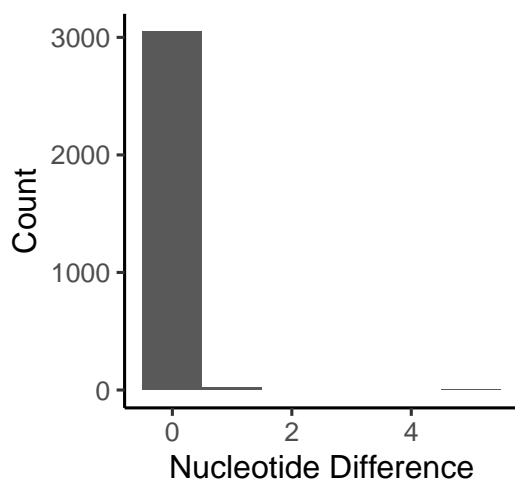
TRBV7-9*ap01

8163 sequences assigned
8132 (99.6%) exact matches, in which:
8106 unique CDR3
13 unique J



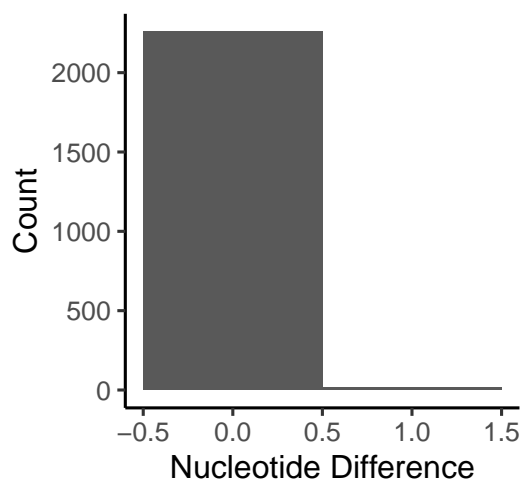
TRBV7-6*ap01

3068 sequences assigned
3048 (99.3%) exact matches, in which:
3020 unique CDR3
13 unique J



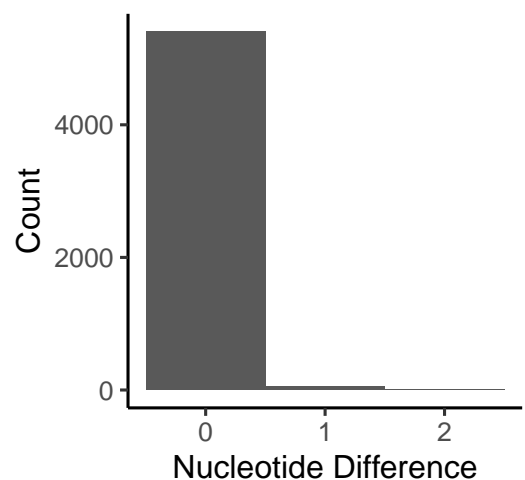
TRBV7-8*ap01

2271 sequences assigned
2258 (99.4%) exact matches, in which:
2238 unique CDR3
13 unique J



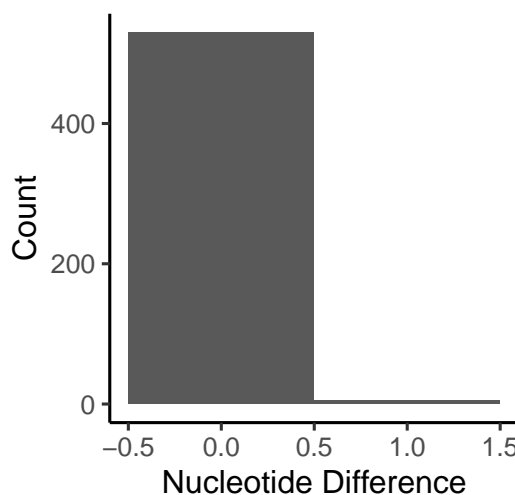
TRBV29-1*ap01

5452 sequences assigned
5404 (99.1%) exact matches, in which:
5351 unique CDR3
13 unique J



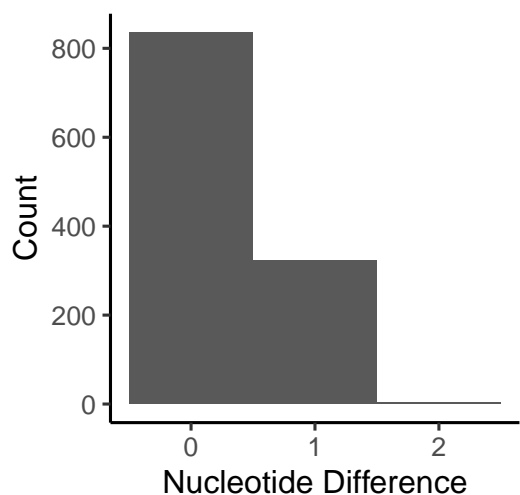
TRBV7-7*ap01

535 sequences assigned
530 (99.1%) exact matches, in which:
529 unique CDR3
13 unique J



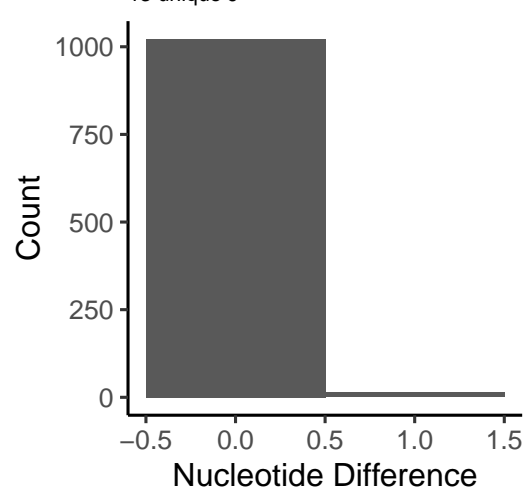
TRBV7-8*ap03

1163 sequences assigned
836 (71.9%) exact matches, in which:
825 unique CDR3
13 unique J

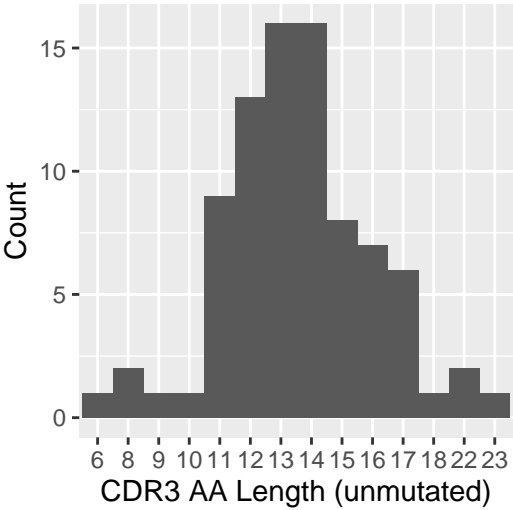


TRBV29-1*ap02

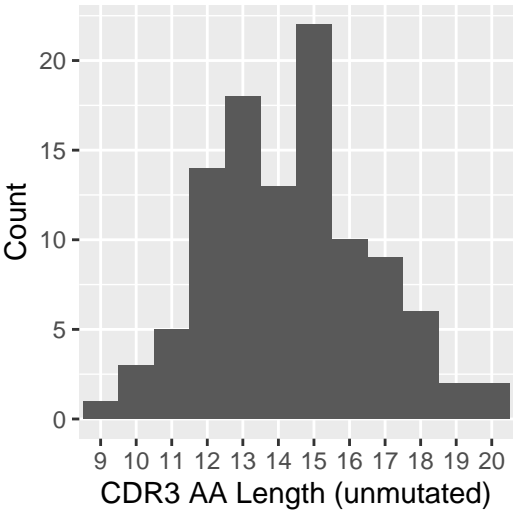
1036 sequences assigned
1022 (98.6%) exact matches, in which:
1010 unique CDR3
13 unique J



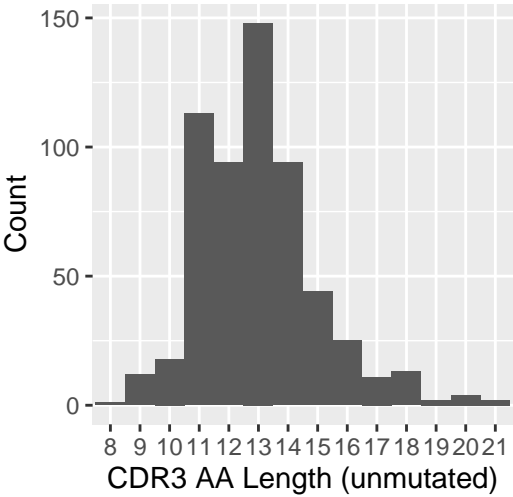
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]