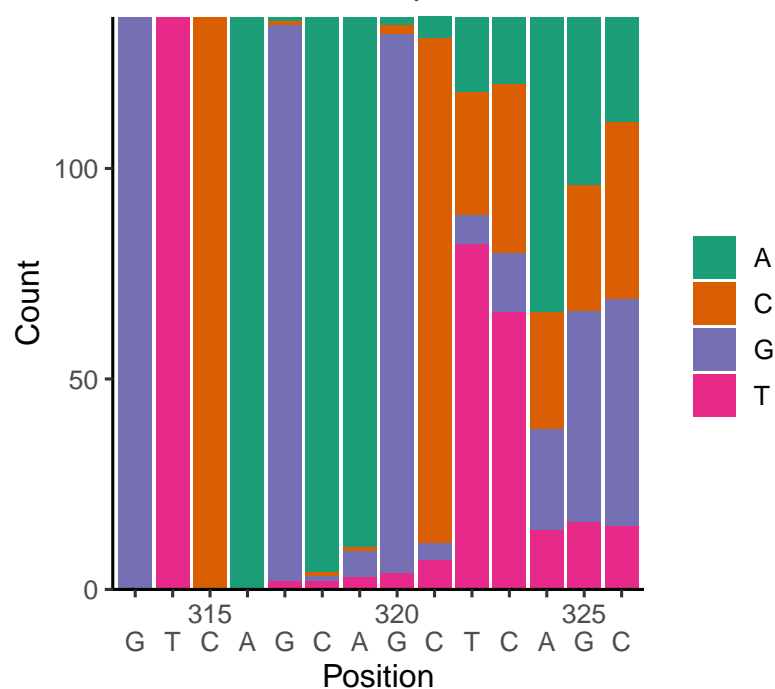
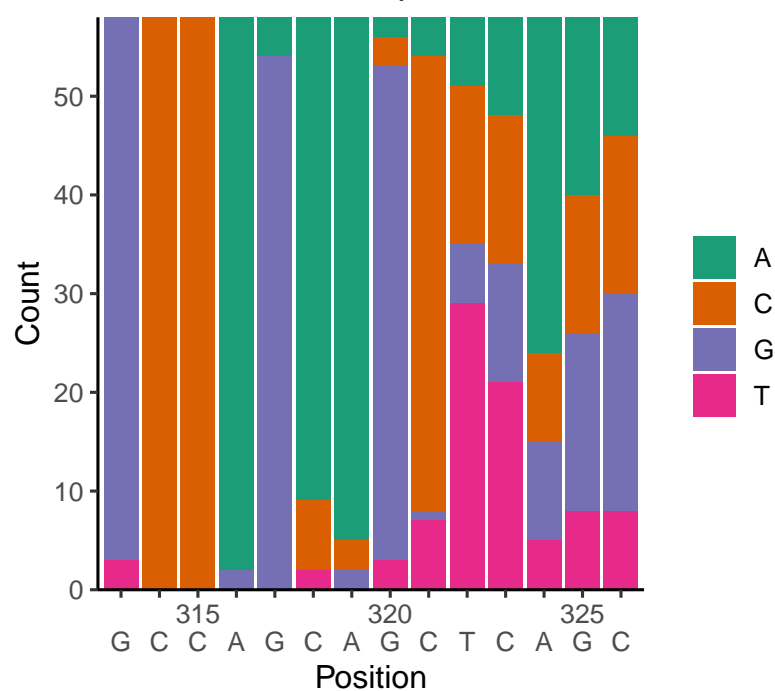


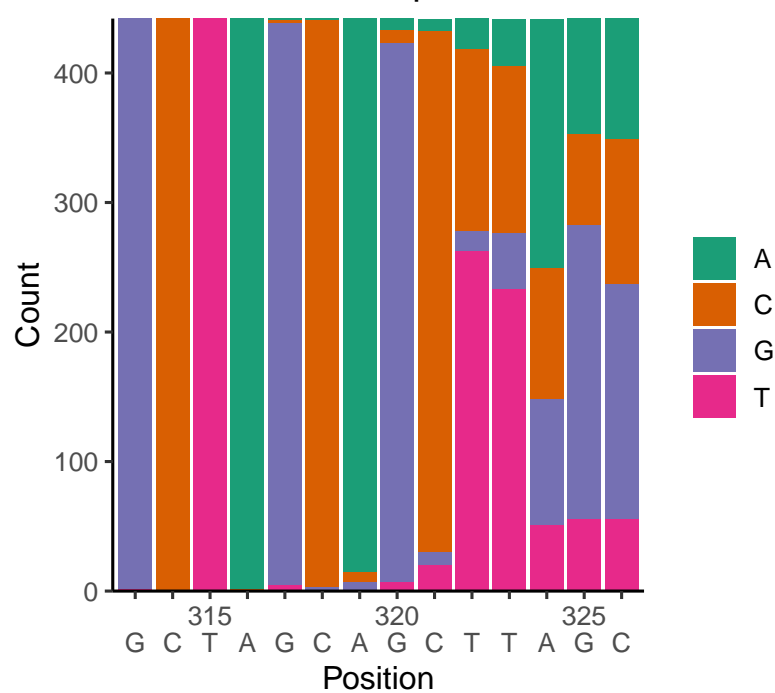
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



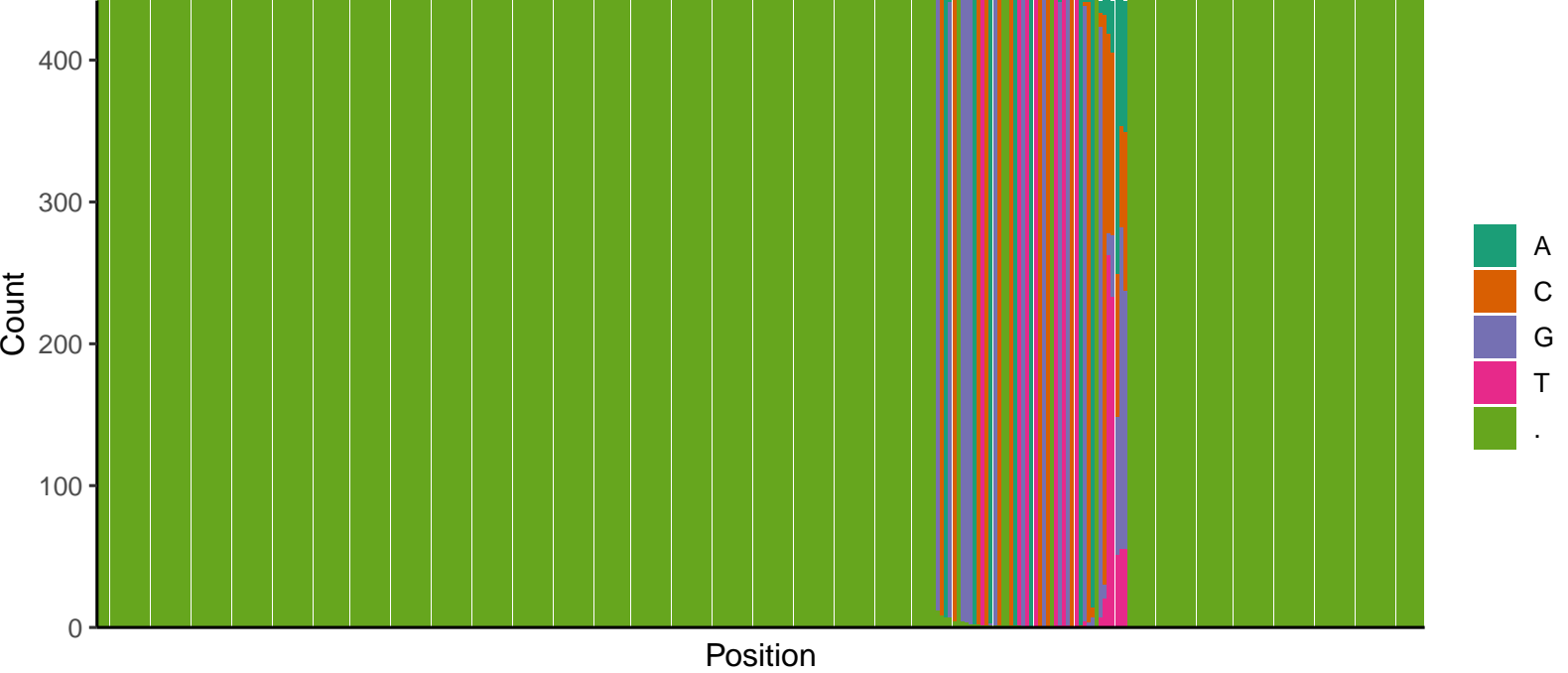
Gene TRBV7-1*ap01_G291C_T296C_C314T



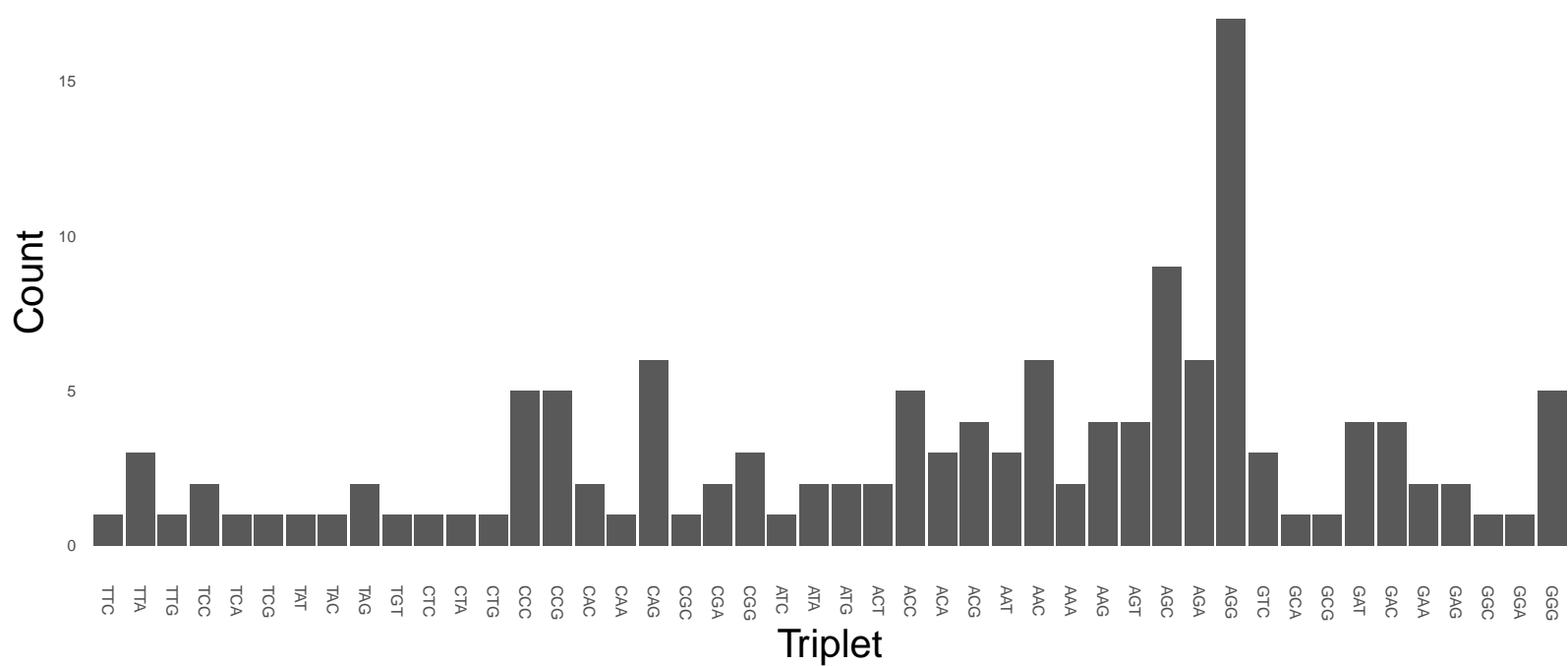
Gene TRBV7-1*ap01_G291C_T296C



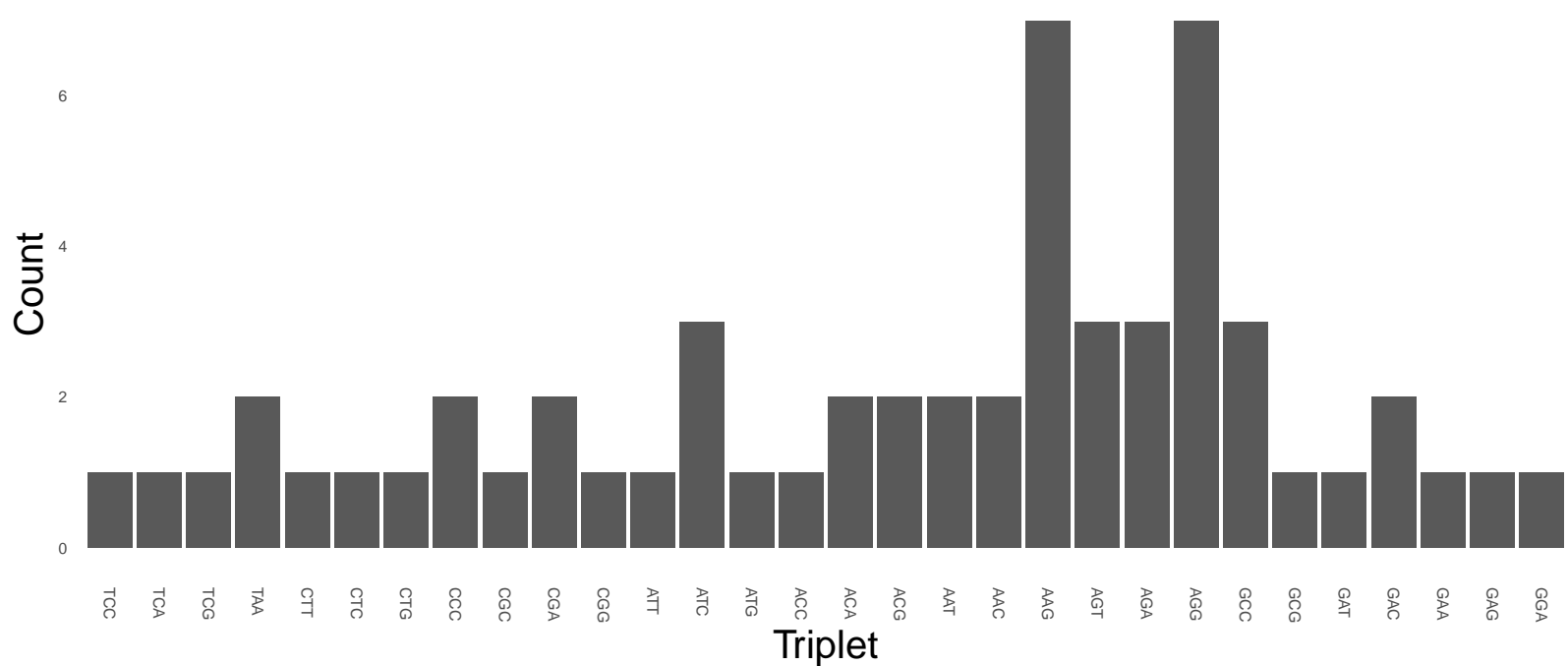
Gene TRBV7-7*ap01_C315T



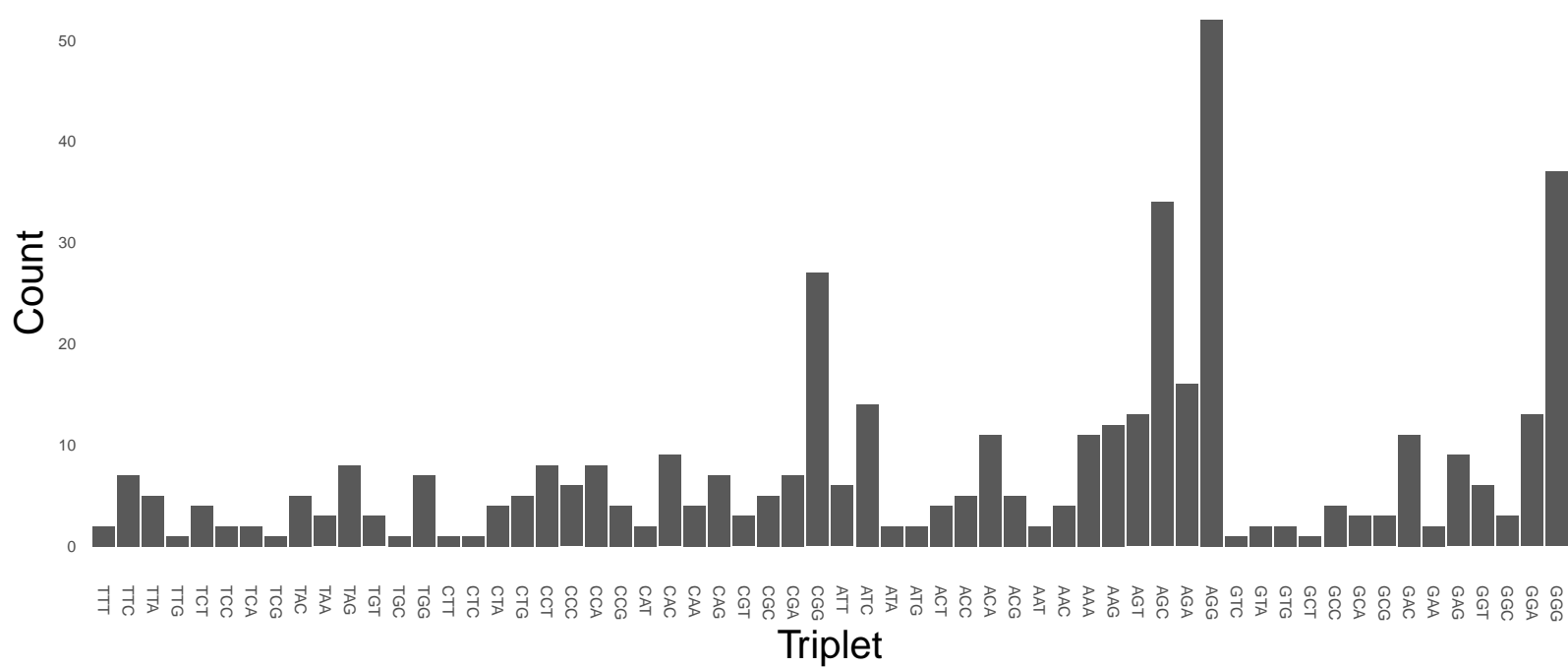
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

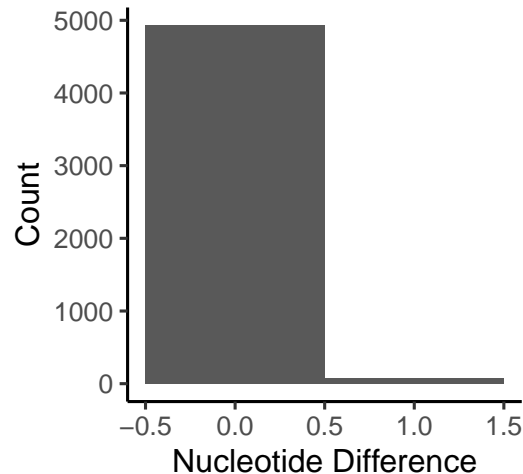


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



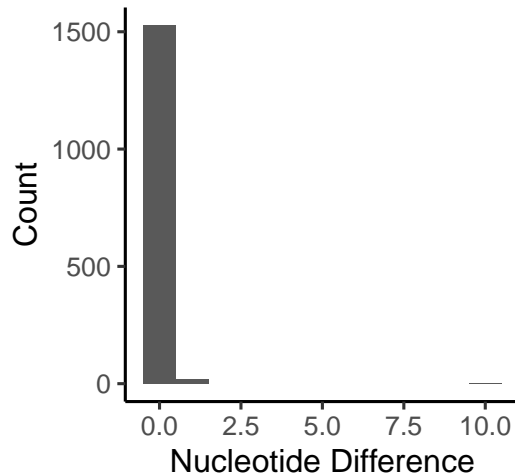
TRBV20-1*ap01

5012 sequences assigned
4930 (98.4%) exact matches, in which:
4845 unique CDR3
13 unique J



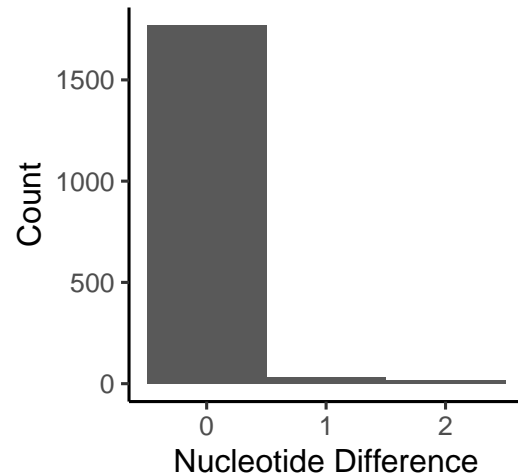
TRBV10-2*ap01

1547 sequences assigned
1527 (98.7%) exact matches, in which:
1504 unique CDR3
13 unique J



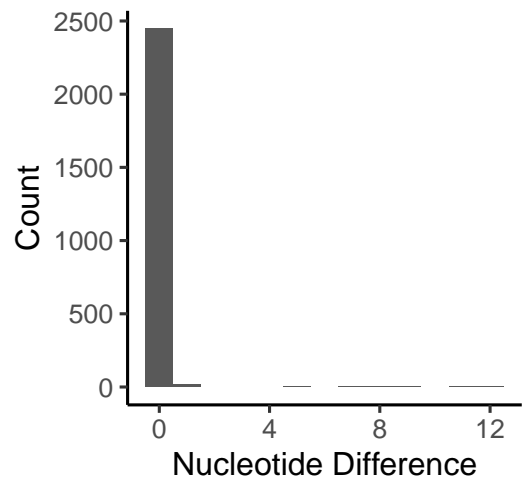
TRBV13*ap01

1819 sequences assigned
1769 (97.3%) exact matches, in which:
1730 unique CDR3
13 unique J



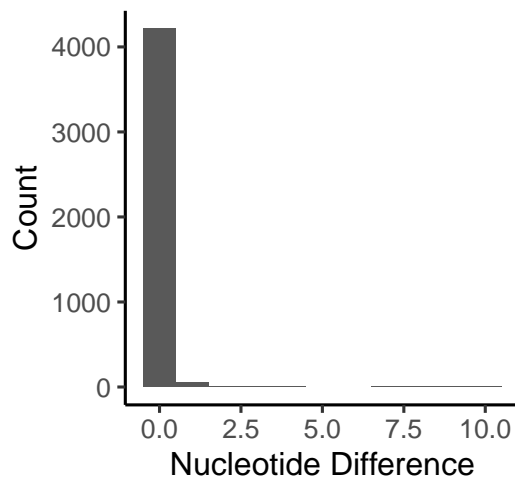
TRBV10-1*ap01

2471 sequences assigned
2447 (99%) exact matches, in which:
2410 unique CDR3
13 unique J



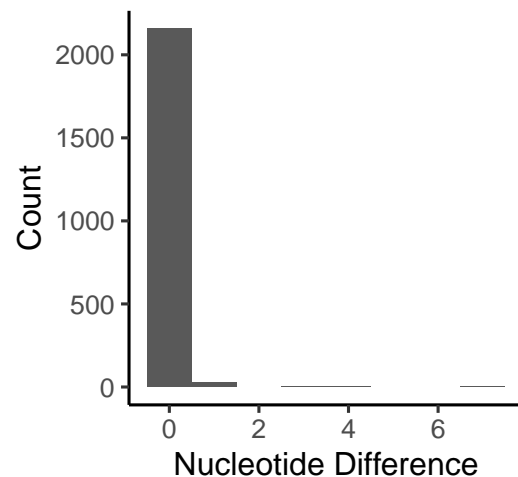
TRBV10-3*ap01

4269 sequences assigned
4214 (98.7%) exact matches, in which:
4125 unique CDR3
13 unique J



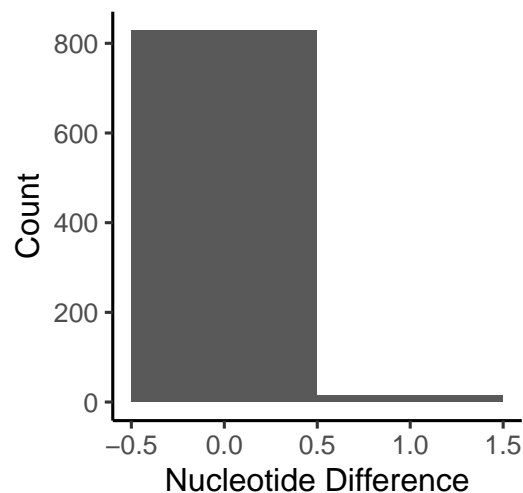
TRBV14*ap01

2188 sequences assigned
2157 (98.6%) exact matches, in which:
2116 unique CDR3
13 unique J



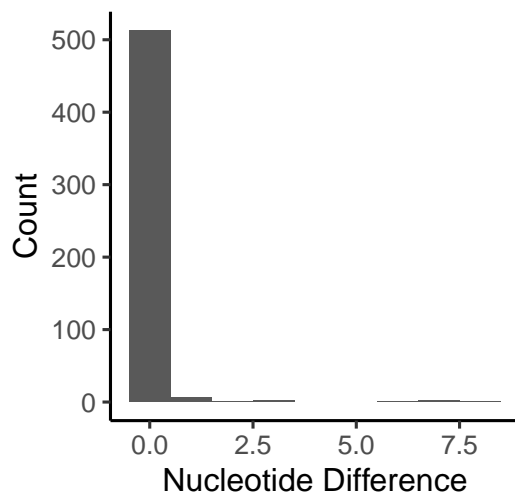
TRBV20-1*ap02

844 sequences assigned
829 (98.2%) exact matches, in which:
816 unique CDR3
13 unique J



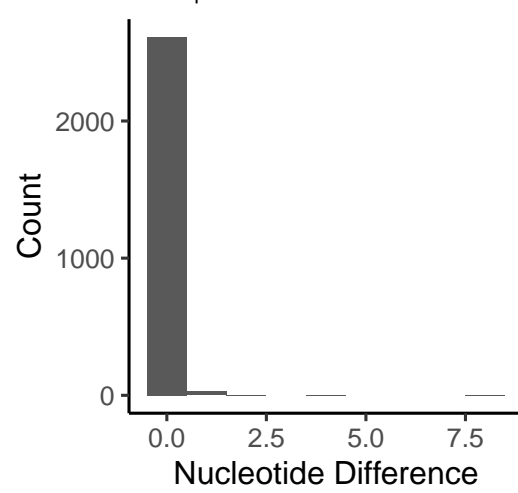
TRBV1*ap01

526 sequences assigned
513 (97.5%) exact matches, in which:
501 unique CDR3
13 unique J



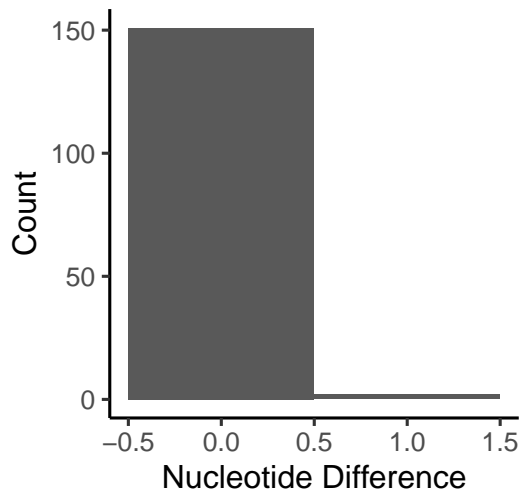
TRBV15*ap02

2642 sequences assigned
2612 (98.9%) exact matches, in which:
2540 unique CDR3
13 unique J



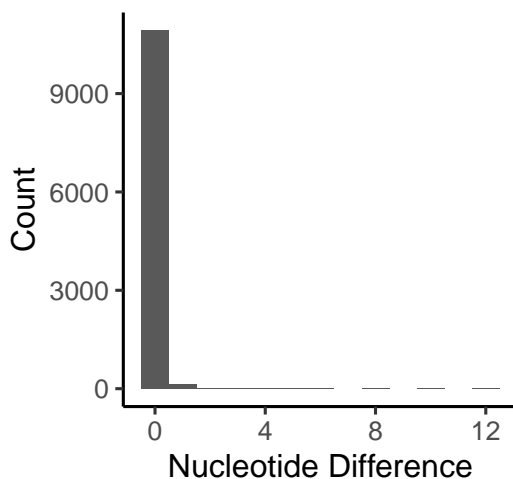
TRBV16*ap01

153 sequences assigned
151 (98.7%) exact matches, in which:
150 unique CDR3
12 unique J



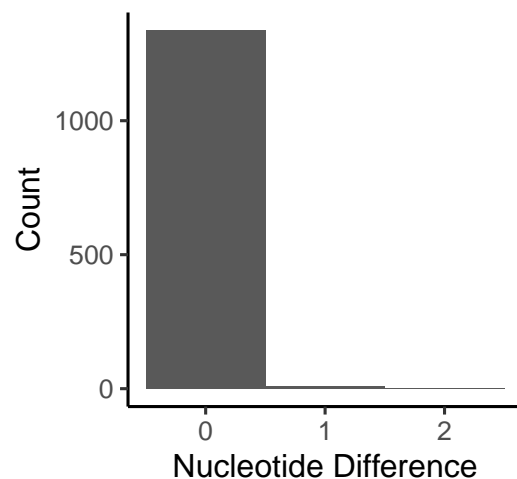
TRBV19*ap01

11088 sequences assigned
10927 (98.5%) exact matches, in which:
10741 unique CDR3
13 unique J



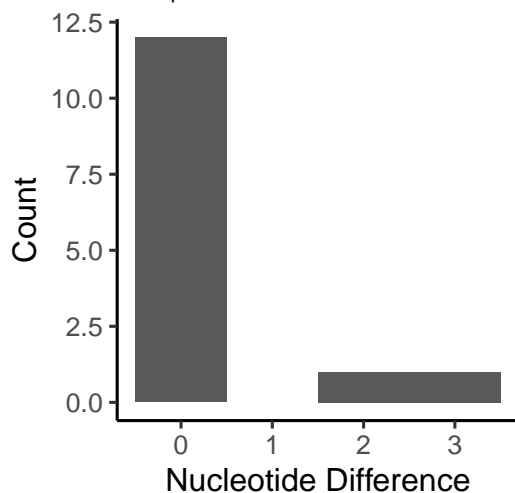
TRBV28*ap01

1349 sequences assigned
1337 (99.1%) exact matches, in which:
1316 unique CDR3
13 unique J



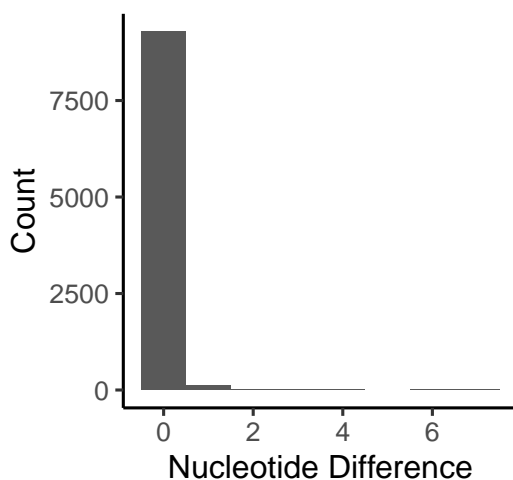
TRBV17*ap01

14 sequences assigned
12 (85.7%) exact matches, in which:
12 unique CDR3
8 unique J



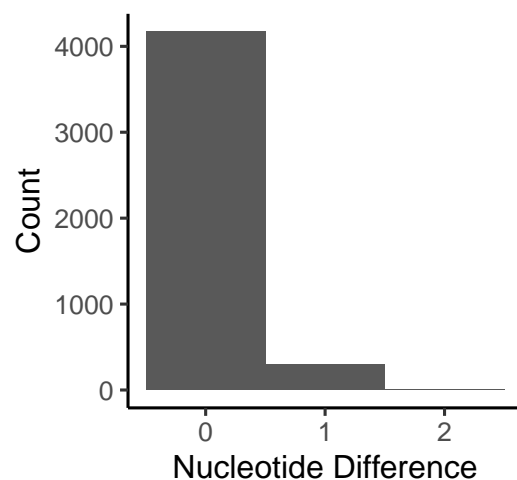
TRBV2*ap01

9410 sequences assigned
9283 (98.7%) exact matches, in which:
9147 unique CDR3
13 unique J



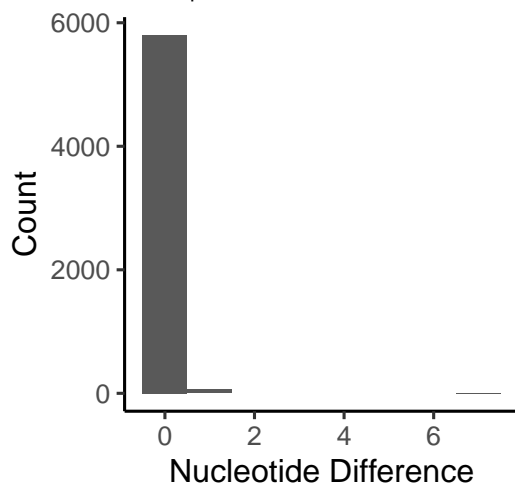
TRBV30*ap01

4476 sequences assigned
4170 (93.2%) exact matches, in which:
4131 unique CDR3
13 unique J



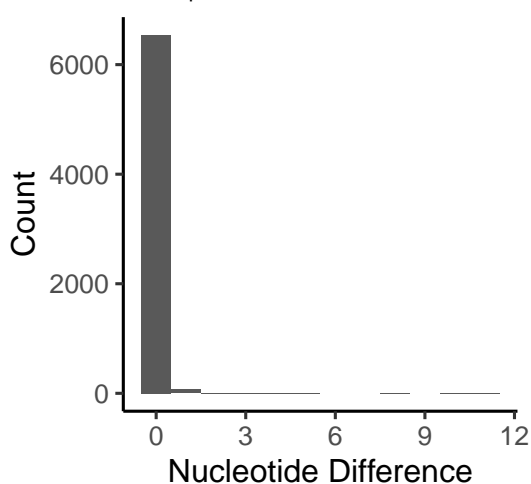
TRBV18*ap01

5865 sequences assigned
5801 (98.9%) exact matches, in which:
5712 unique CDR3
13 unique J



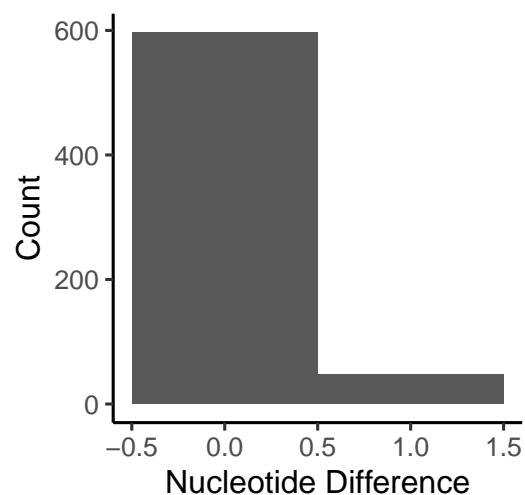
TRBV27*ap01

6628 sequences assigned
6540 (98.7%) exact matches, in which:
6421 unique CDR3
13 unique J



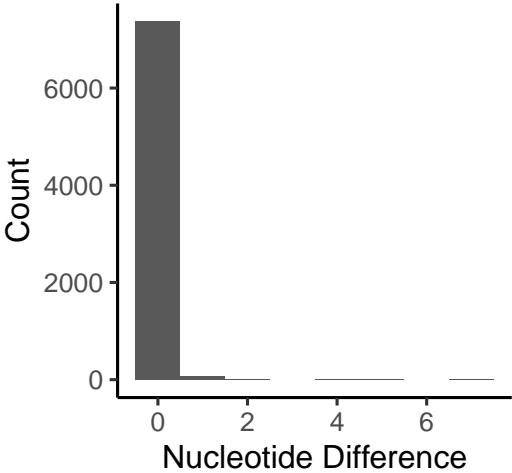
TRBV30*ap03

644 sequences assigned
597 (92.7%) exact matches, in which:
594 unique CDR3
13 unique J



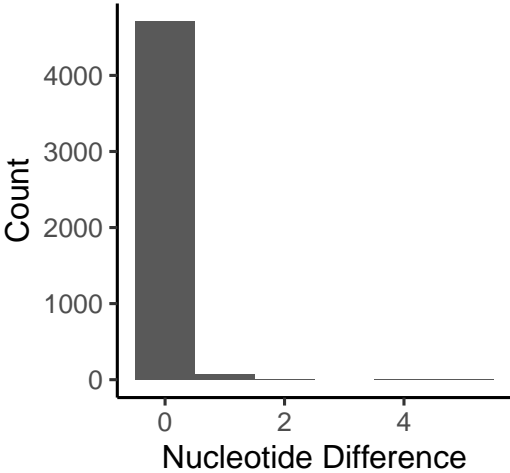
TRBV9*ap01

7458 sequences assigned
7371 (98.8%) exact matches, in which:
7243 unique CDR3
13 unique J



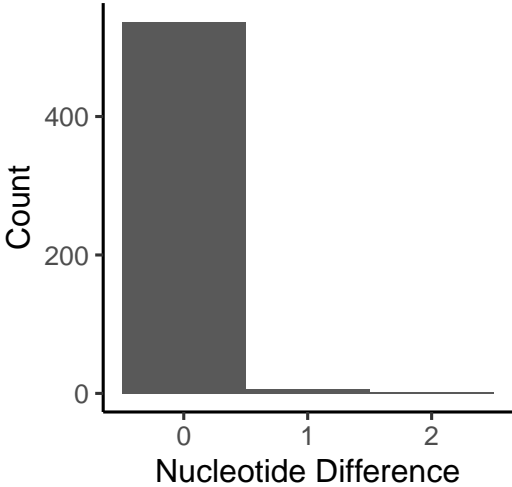
TRBV11-2*ap01

4781 sequences assigned
4710 (98.5%) exact matches, in which:
4621 unique CDR3
13 unique J



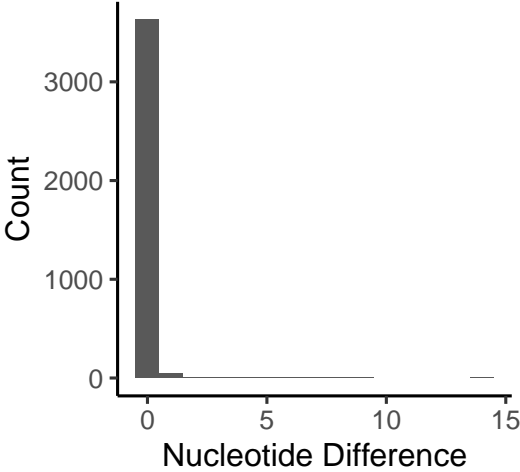
TRBV12-2*ap01

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



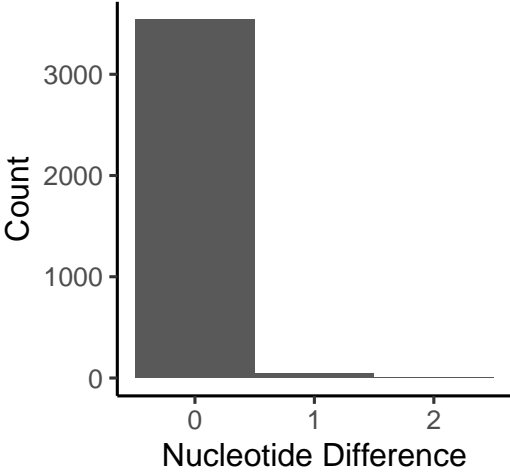
TRBV21-1*ap01

3694 sequences assigned
3629 (98.2%) exact matches, in which:
3568 unique CDR3
13 unique J



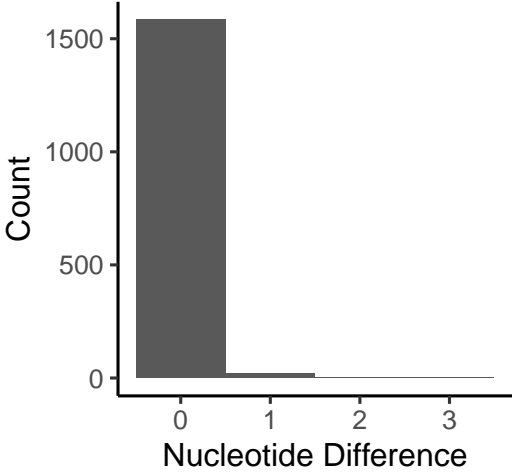
TRBV11-3*ap01

3587 sequences assigned
3539 (98.7%) exact matches, in which:
3462 unique CDR3
13 unique J



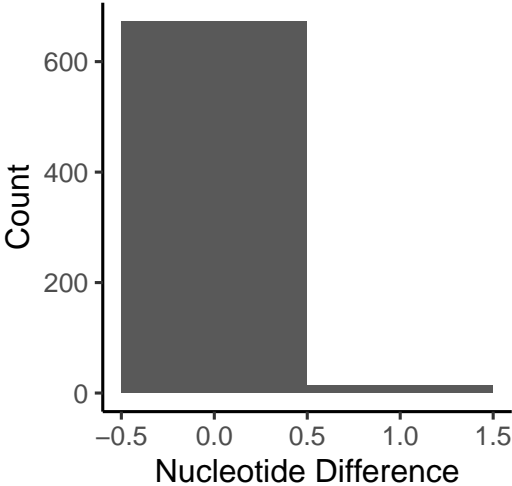
TRBV12-5*ap01

1606 sequences assigned
1584 (98.6%) exact matches, in which:
1551 unique CDR3
13 unique J



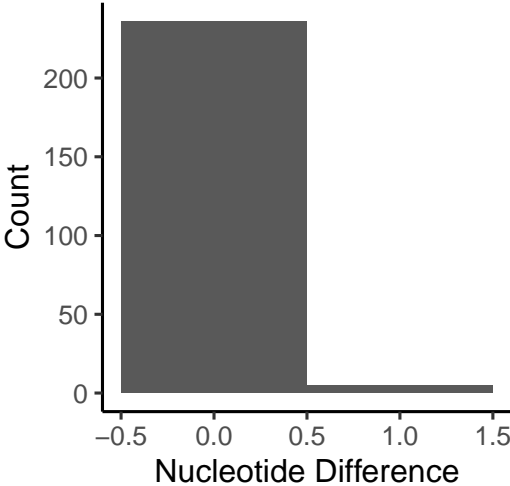
TRBV11-1*ap01

686 sequences assigned
673 (98.1%) exact matches, in which:
664 unique CDR3
13 unique J



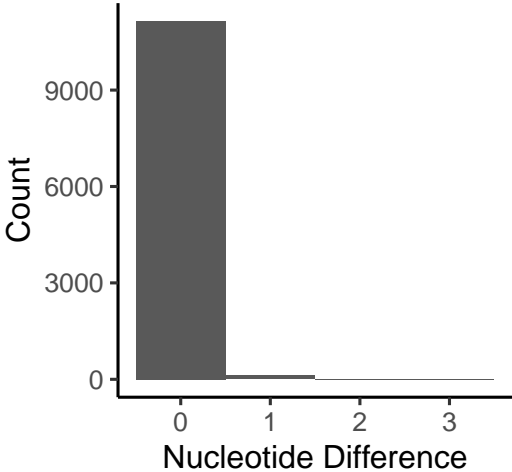
TRBV12-1*ap01

241 sequences assigned
236 (97.9%) exact matches, in which:
235 unique CDR3
13 unique J



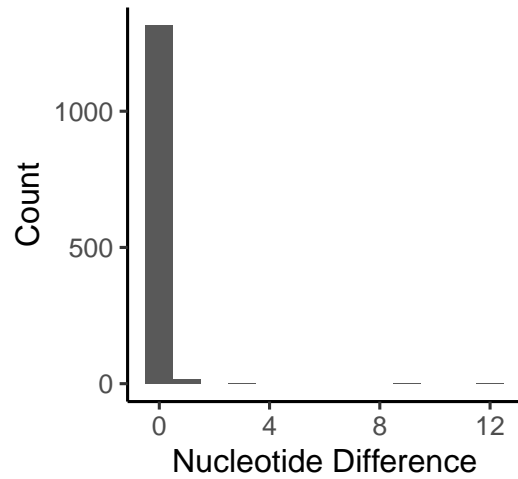
TRBV12-34*ap01

11277 sequences assigned
11148 (98.9%) exact matches, in which:
10951 unique CDR3
13 unique J



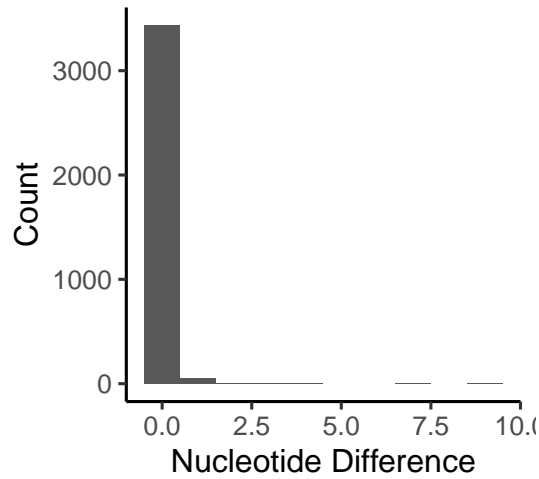
TRBV23-1*ap01

1336 sequences assigned
1315 (98.4%) exact matches, in which:
1287 unique CDR3
13 unique J



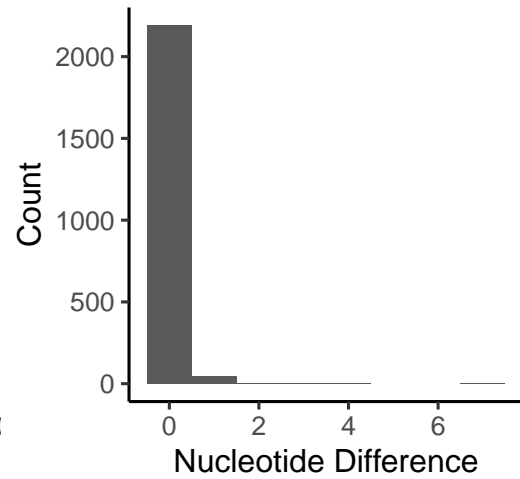
TRBV24-1*ap01

3498 sequences assigned
3434 (98.2%) exact matches, in which:
3408 unique CDR3
13 unique J



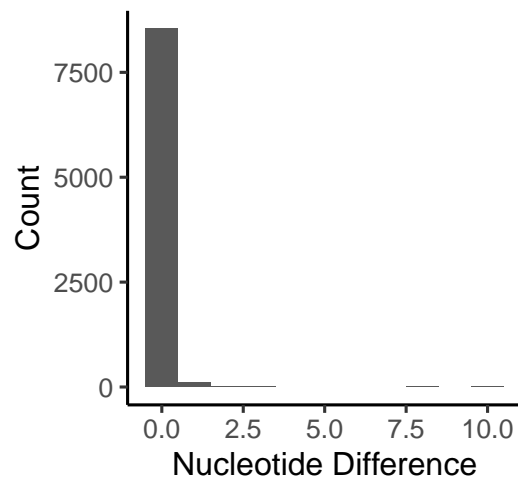
TRBV25-1*ap01

2243 sequences assigned
2191 (97.7%) exact matches, in which:
2149 unique CDR3
13 unique J



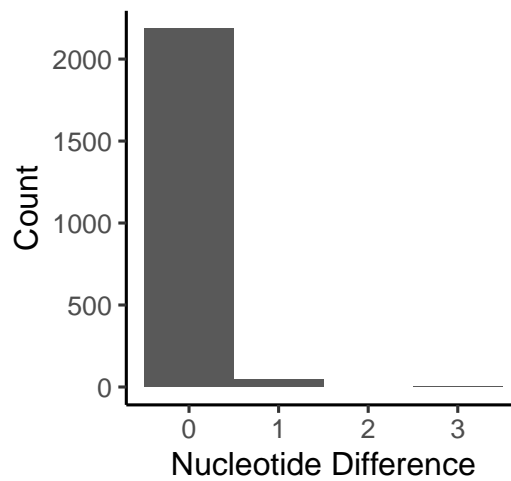
TRBV3-12*ap01

8653 sequences assigned
8540 (98.7%) exact matches, in which:
8392 unique CDR3
13 unique J



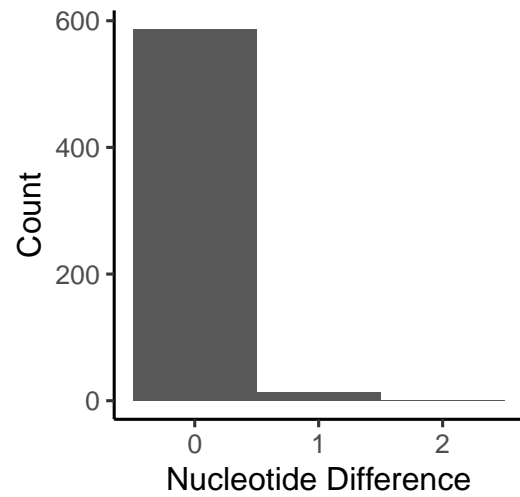
TRBV4-2*ap01

2230 sequences assigned
2185 (98%) exact matches, in which:
2158 unique CDR3
13 unique J



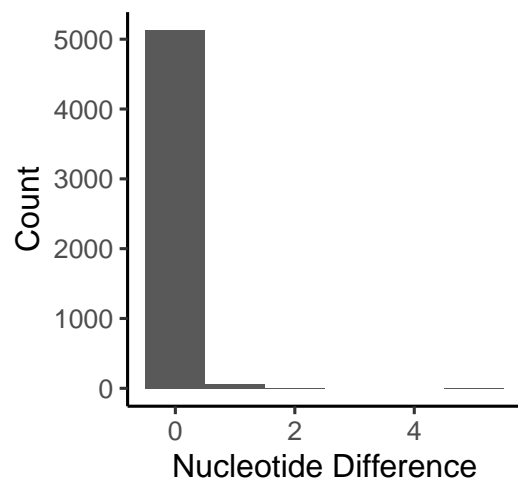
TRBV5-3*ap01

601 sequences assigned
587 (97.7%) exact matches, in which:
577 unique CDR3
13 unique J



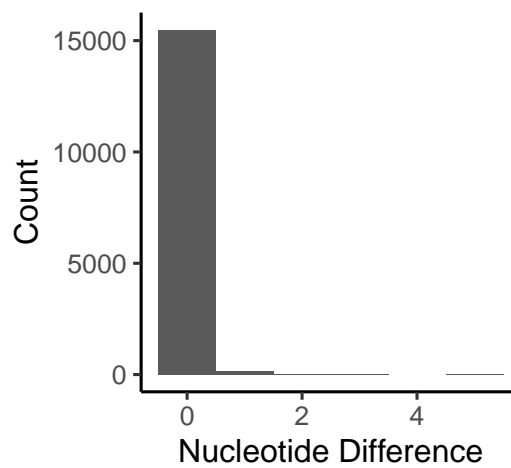
TRBV4-1*ap01

5192 sequences assigned
5131 (98.8%) exact matches, in which:
5043 unique CDR3
13 unique J



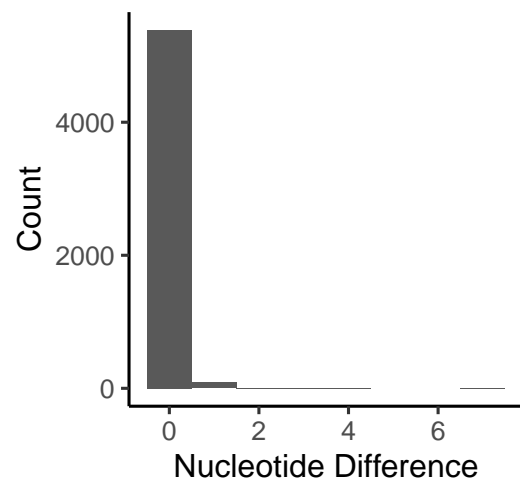
TRBV5-1*ap01

15640 sequences assigned
15487 (99%) exact matches, in which:
15193 unique CDR3
13 unique J



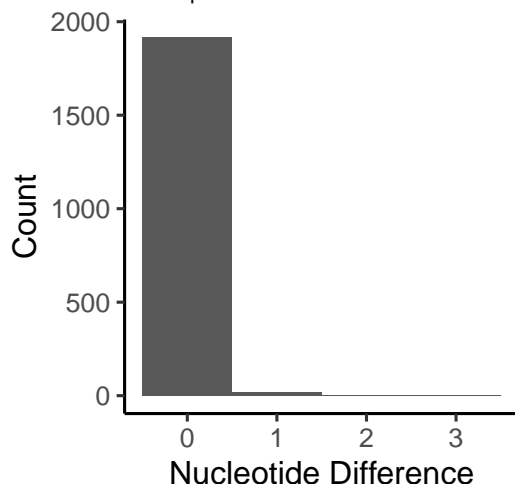
TRBV5-4*ap01

5478 sequences assigned
5386 (98.3%) exact matches, in which:
5294 unique CDR3
13 unique J



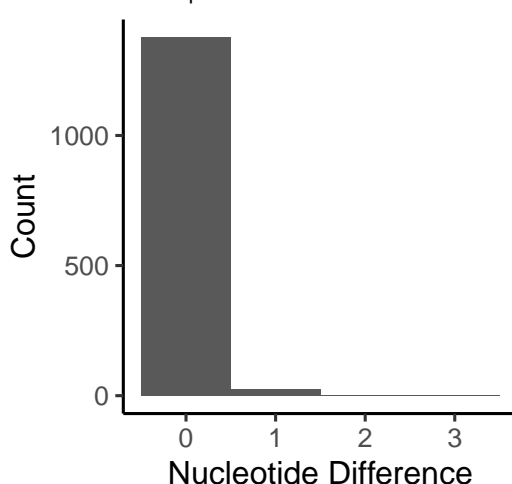
TRBV5-5*ap01

1937 sequences assigned
1916 (98.9%) exact matches, in which:
1886 unique CDR3
13 unique J



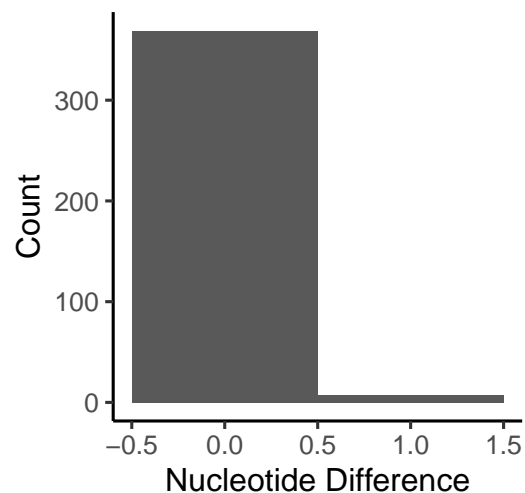
TRBV5-8*ap01

1403 sequences assigned
1377 (98.1%) exact matches, in which:
1352 unique CDR3
13 unique J



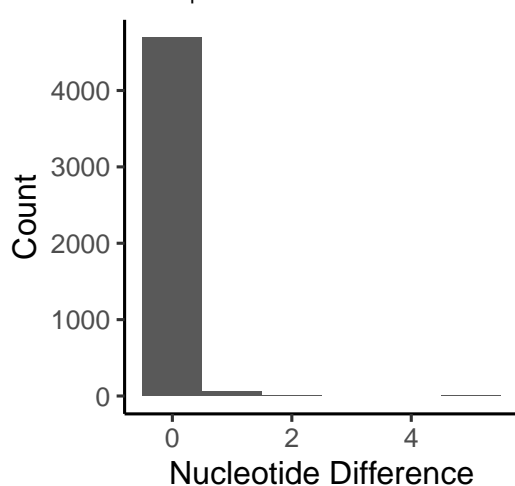
TRBV6-7*ap01

376 sequences assigned
369 (98.1%) exact matches, in which:
363 unique CDR3
13 unique J



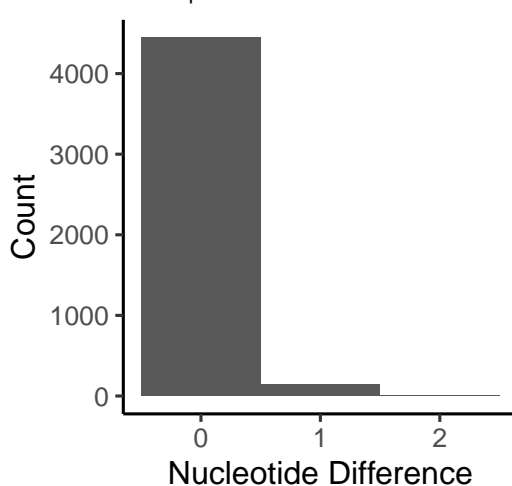
TRBV5-6*ap01

4754 sequences assigned
4691 (98.7%) exact matches, in which:
4598 unique CDR3
13 unique J



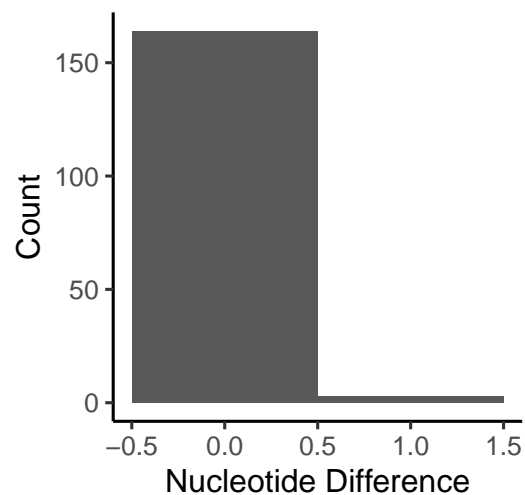
TRBV6-1*ap01

4595 sequences assigned
4445 (96.7%) exact matches, in which:
4366 unique CDR3
13 unique J



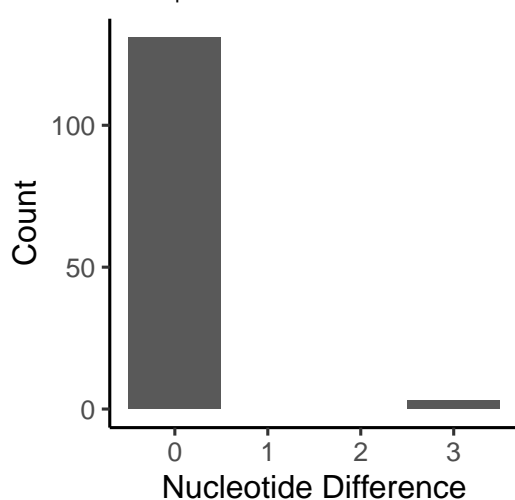
TRBV6-8*ap01

167 sequences assigned
164 (98.2%) exact matches, in which:
161 unique CDR3
13 unique J



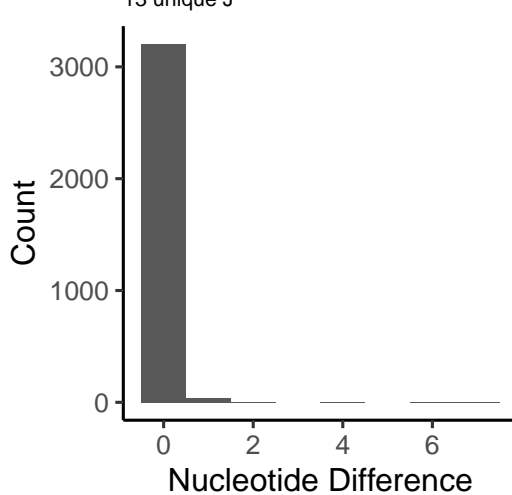
TRBV5-7*ap01

134 sequences assigned
131 (97.8%) exact matches, in which:
129 unique CDR3
13 unique J



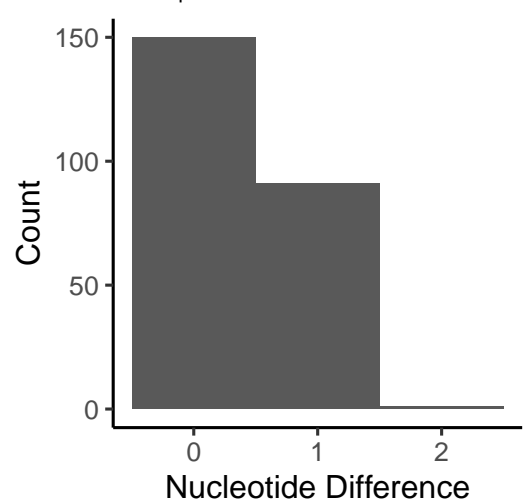
TRBV6-4*ap01

3250 sequences assigned
3204 (98.6%) exact matches, in which:
3169 unique CDR3
13 unique J



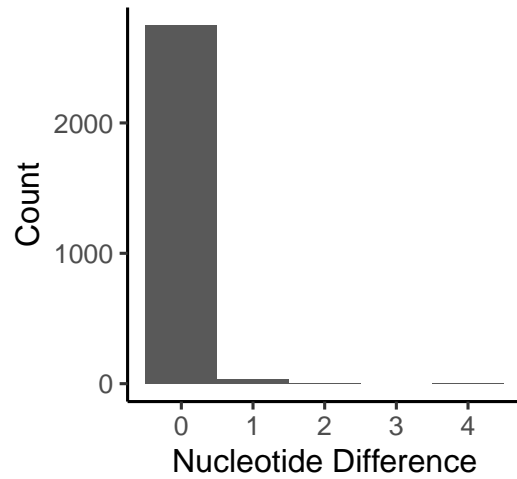
TRBV6-9*ap01

242 sequences assigned
150 (62%) exact matches, in which:
145 unique CDR3
13 unique J



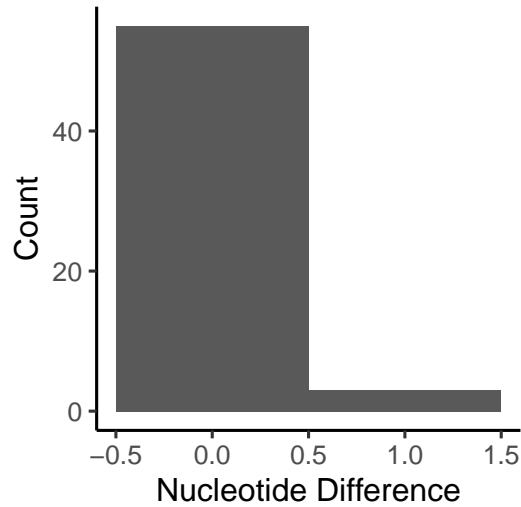
TRBV6-23*ap01

2789 sequences assigned
2748 (98.5%) exact matches, in which:
2700 unique CDR3
13 unique J



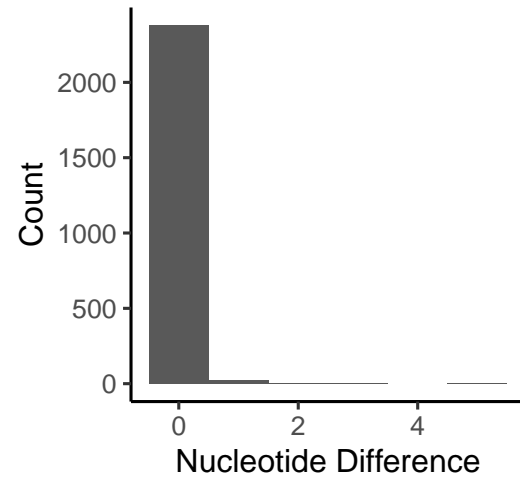
TRBV7-1*ap01_G291C_T

58 sequences assigned
55 (94.8%) exact matches, in which:
55 unique CDR3
12 unique J



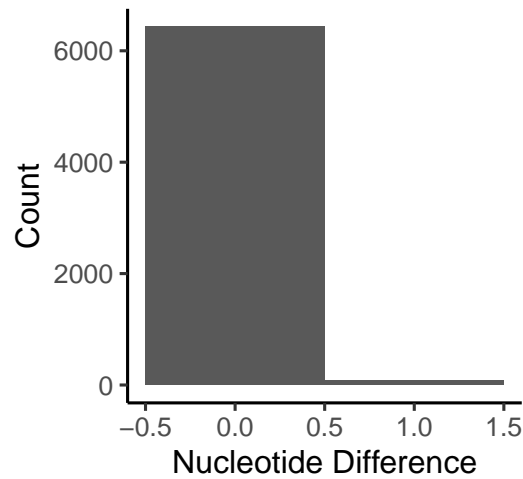
TRBV7-3*ap01

2406 sequences assigned
2378 (98.8%) exact matches, in which:
2336 unique CDR3
13 unique J



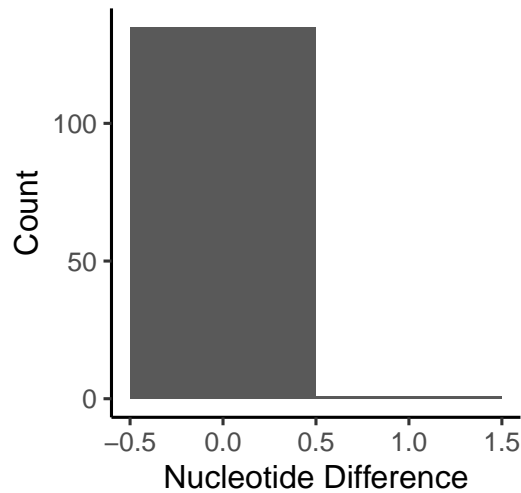
TRBV6-56*ap01

6511 sequences assigned
6432 (98.8%) exact matches, in which:
6297 unique CDR3
13 unique J



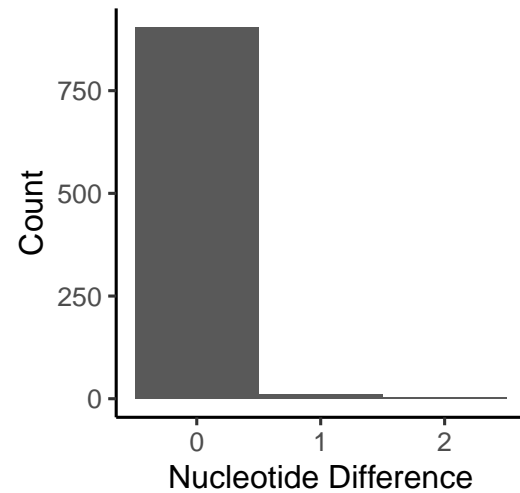
TRBV7-1*ap01_G291C_

136 sequences assigned
135 (99.3%) exact matches, in which:
133 unique CDR3
13 unique J



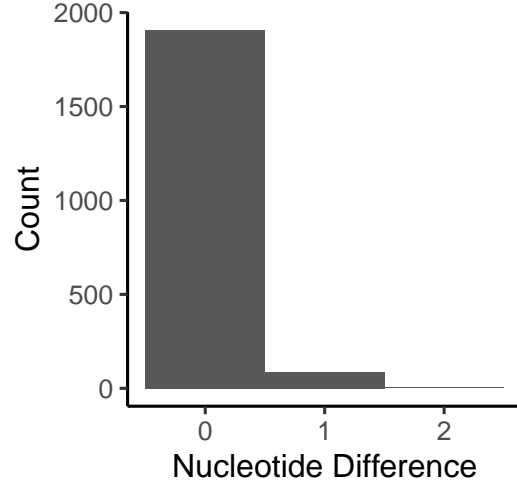
TRBV7-3*ap03

920 sequences assigned
905 (98.4%) exact matches, in which:
892 unique CDR3
13 unique J



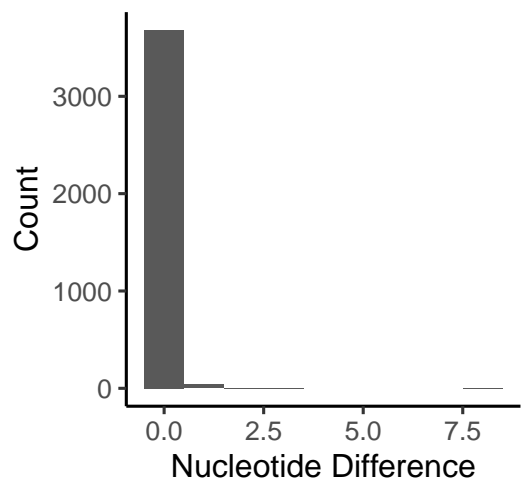
TRBV6-56*ap02

1999 sequences assigned
1907 (95.4%) exact matches, in which:
1878 unique CDR3
13 unique J



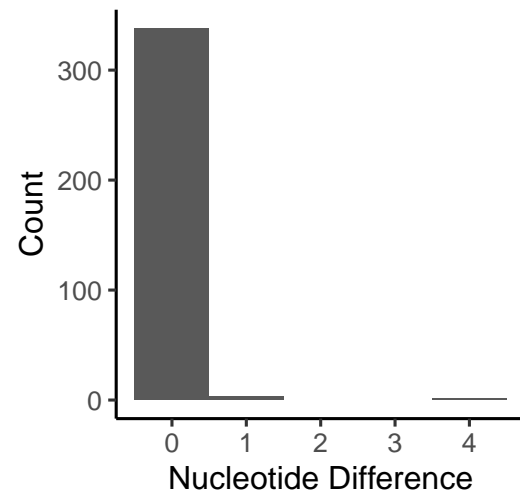
TRBV7-2*ap01

3726 sequences assigned
3681 (98.8%) exact matches, in which:
3619 unique CDR3
13 unique J



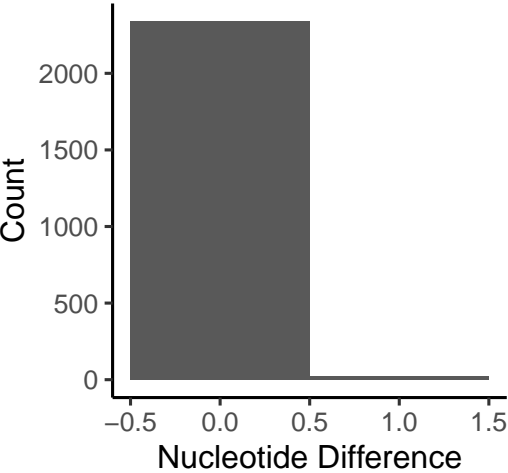
TRBV7-4*ap01

342 sequences assigned
338 (98.8%) exact matches, in which:
328 unique CDR3
13 unique J



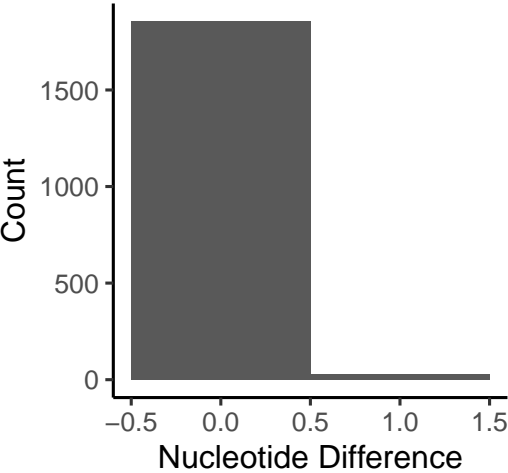
TRBV7-6*ap01

2363 sequences assigned
2339 (99%) exact matches, in which:
2307 unique CDR3
13 unique J



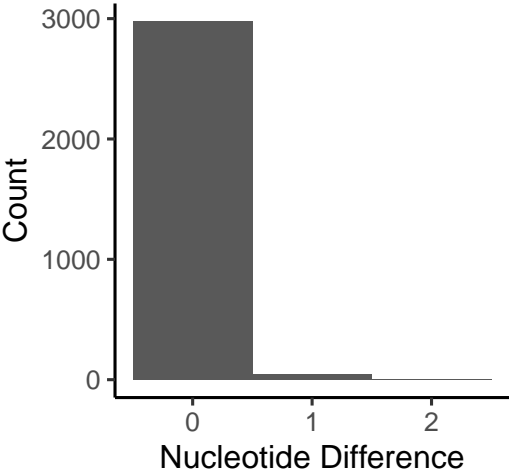
TRBV7-8*ap01

1881 sequences assigned
1855 (98.6%) exact matches, in which:
1816 unique CDR3
13 unique J



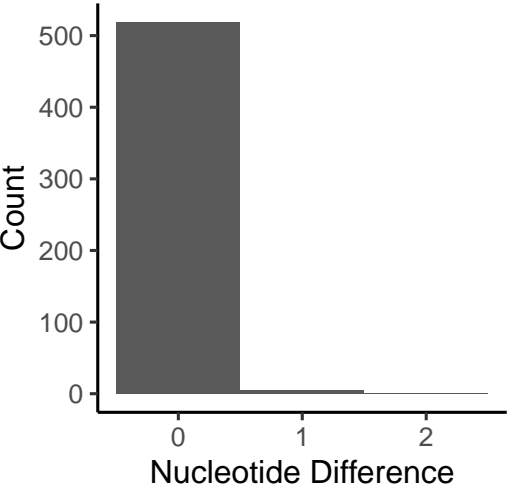
TRBV29-1*ap01

3022 sequences assigned
2977 (98.5%) exact matches, in which:
2948 unique CDR3
13 unique J



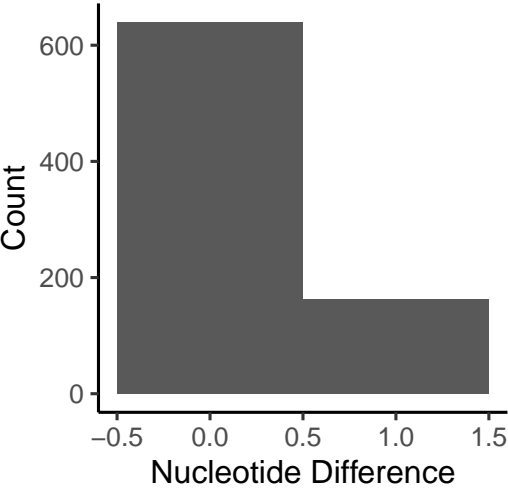
TRBV7-7*ap01

525 sequences assigned
519 (98.9%) exact matches, in which:
516 unique CDR3
13 unique J



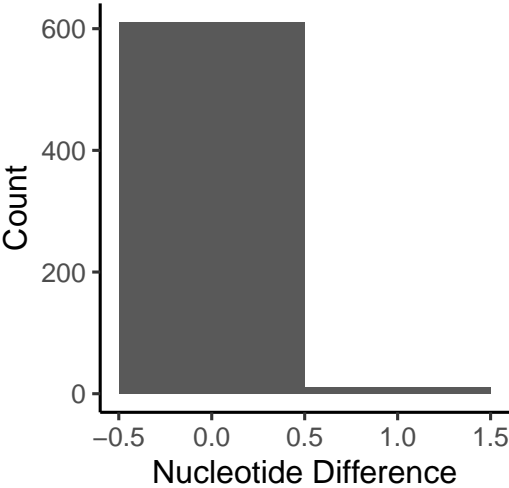
TRBV7-8*ap03

802 sequences assigned
640 (79.8%) exact matches, in which:
629 unique CDR3
13 unique J



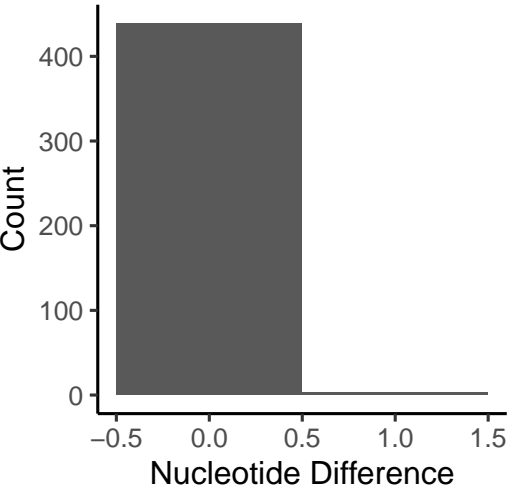
TRBV29-1*ap02

621 sequences assigned
611 (98.4%) exact matches, in which:
603 unique CDR3
13 unique J



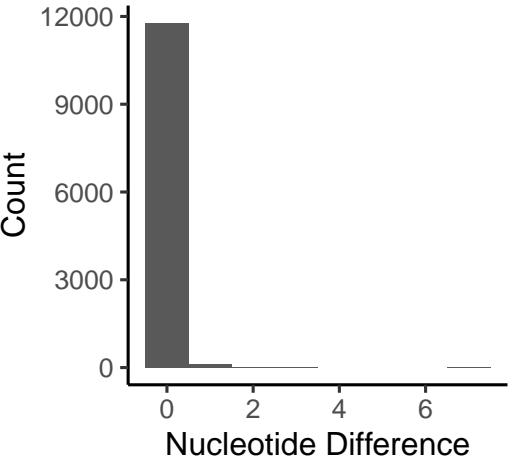
TRBV7-7*ap01_C315T

442 sequences assigned
439 (99.3%) exact matches, in which:
435 unique CDR3
13 unique J

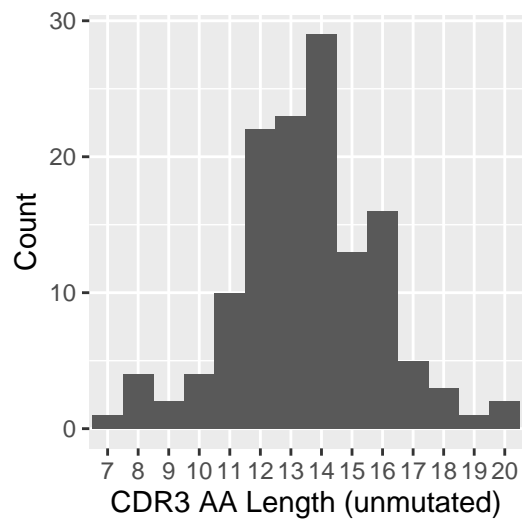


TRBV7-9*ap01

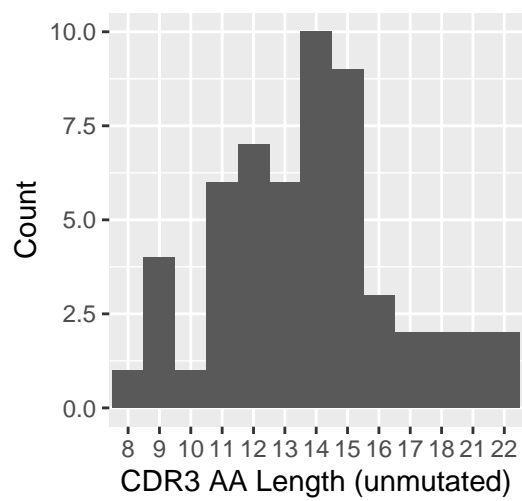
11895 sequences assigned
11783 (99.1%) exact matches, in which:
11615 unique CDR3
13 unique J



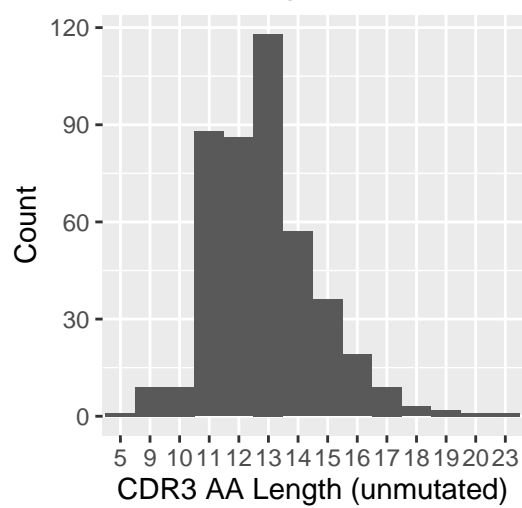
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]