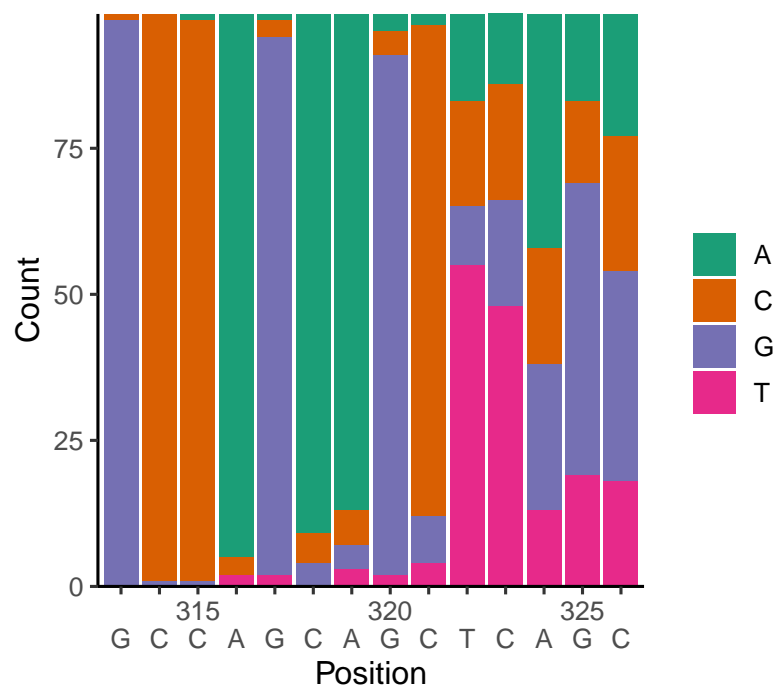
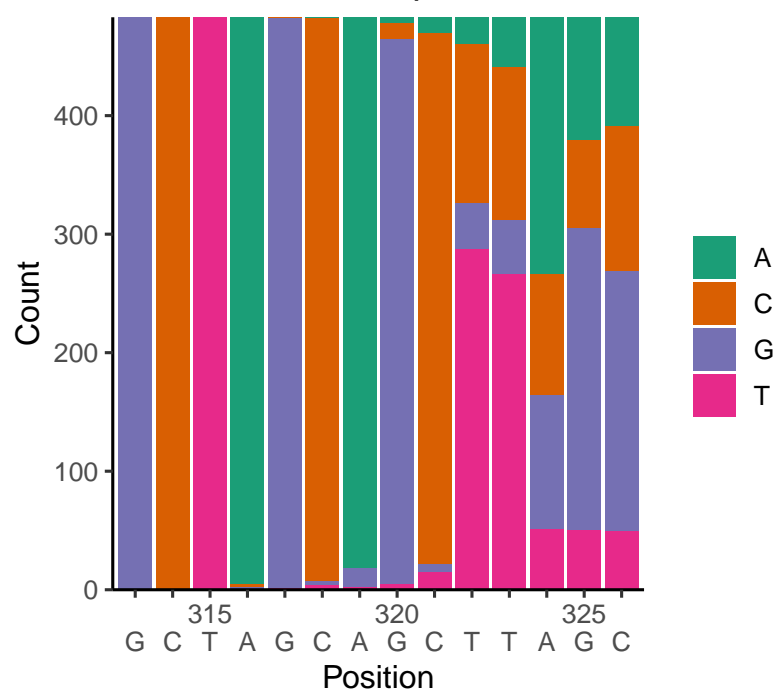


Gene TRBV7-1*ap01_G291C_T296C



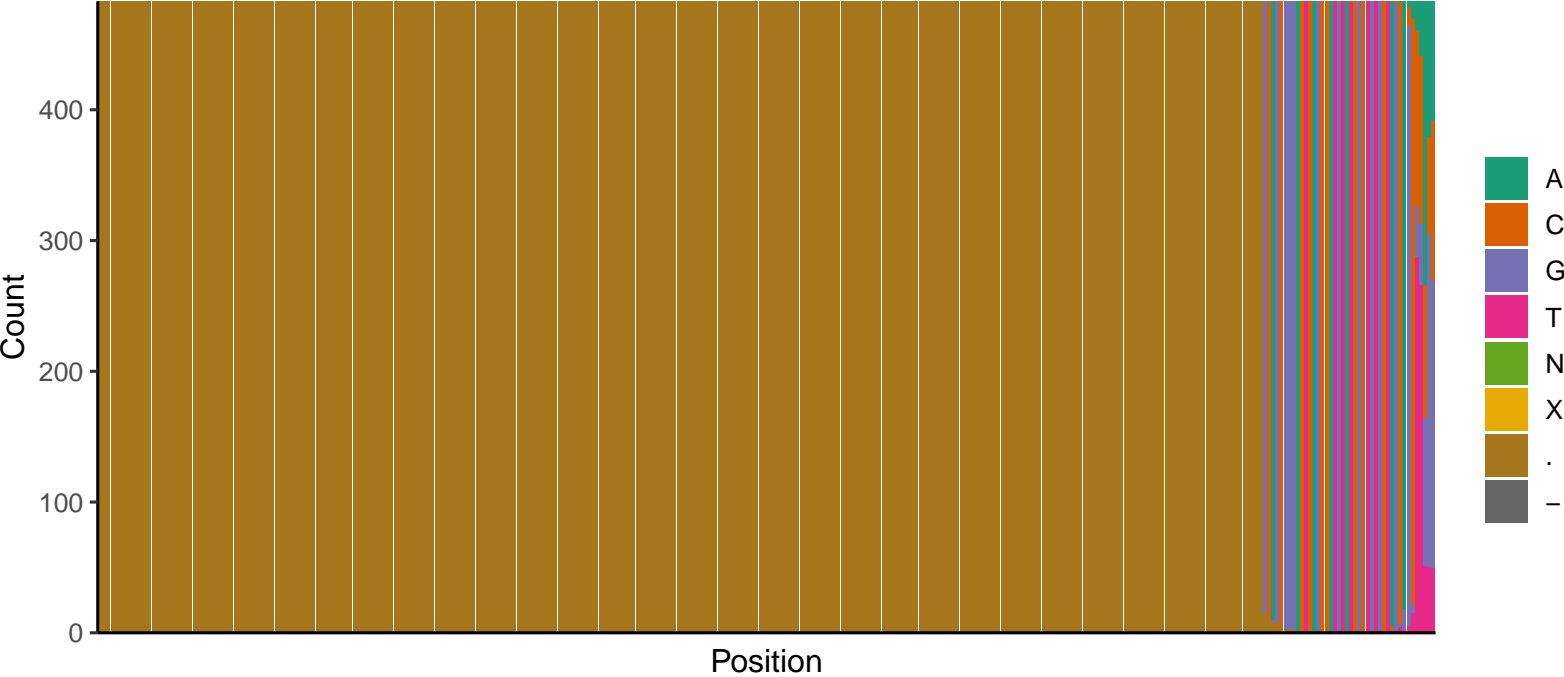
Gene TRBV7-7*ap01_C315T



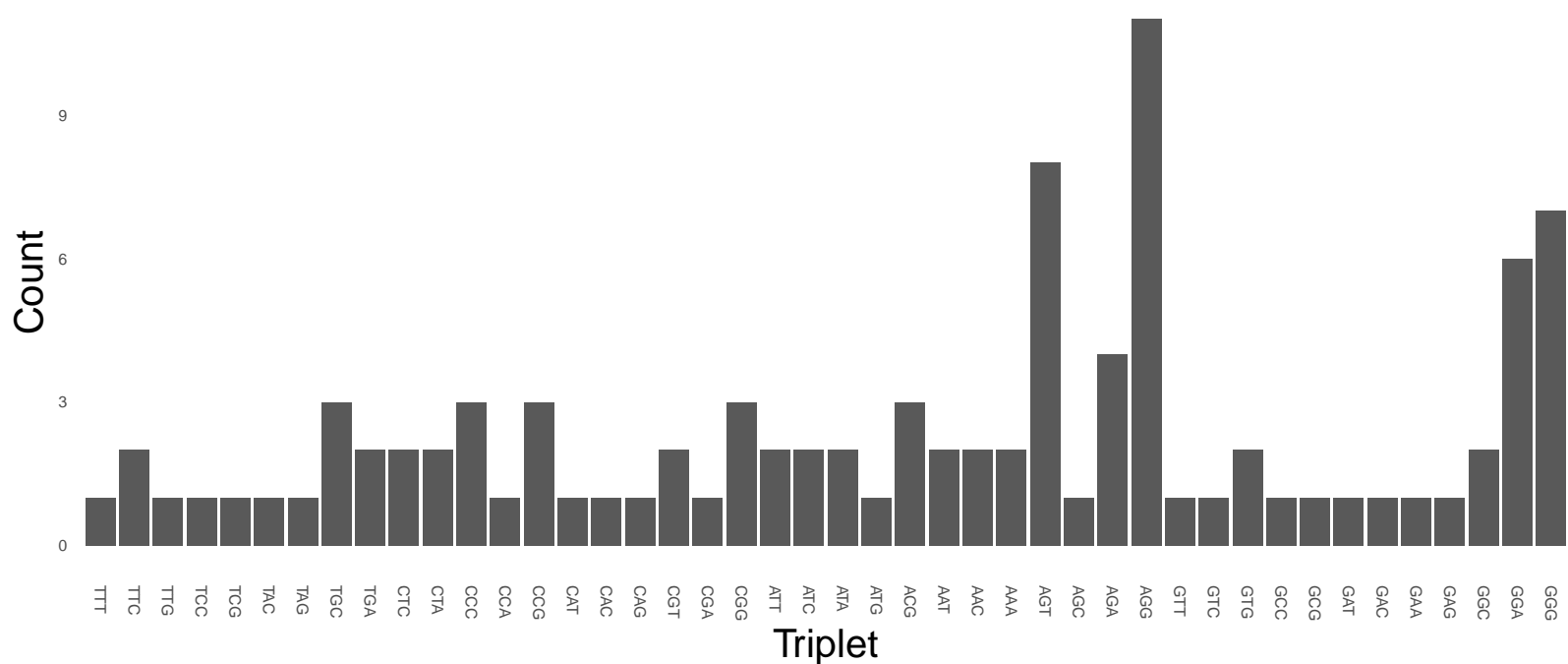
Gene TRBV7-1*ap01_G291C_T296C



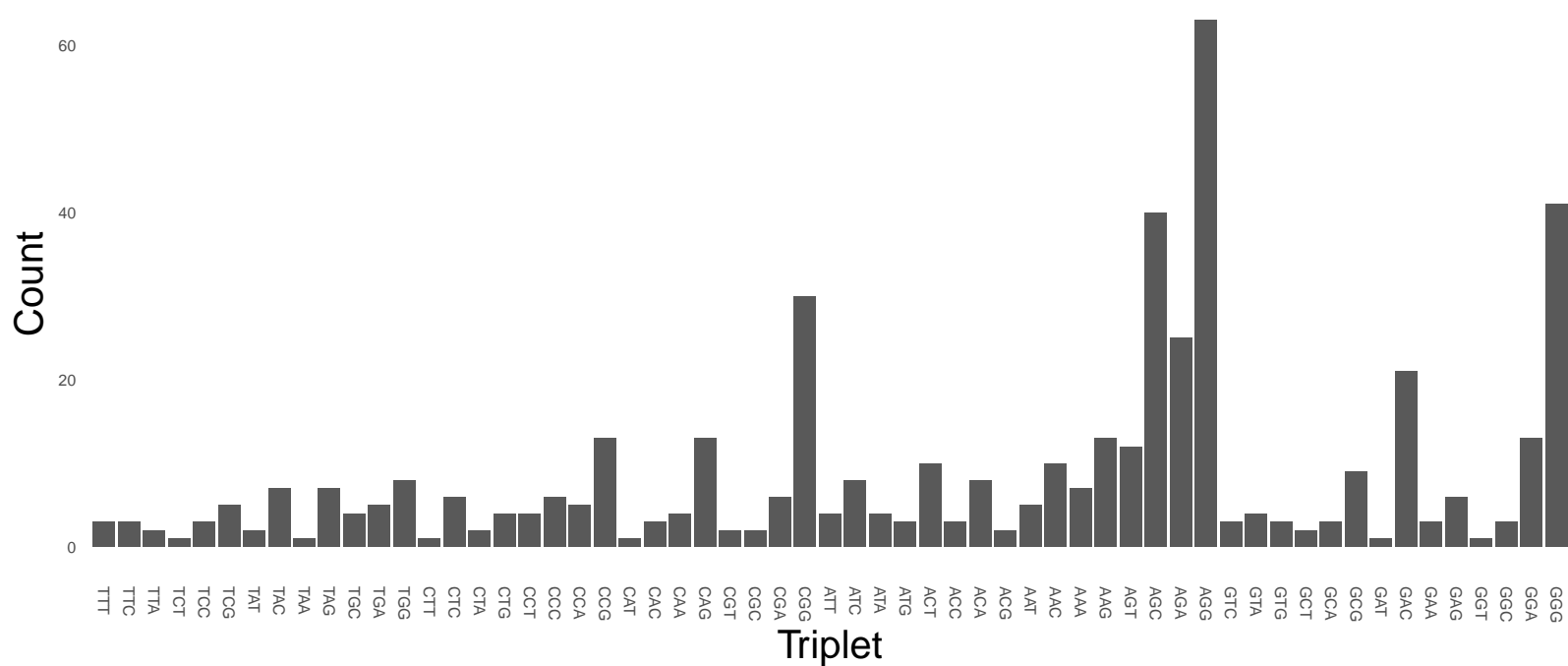
Gene TRBV7-7*ap01_C315T



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

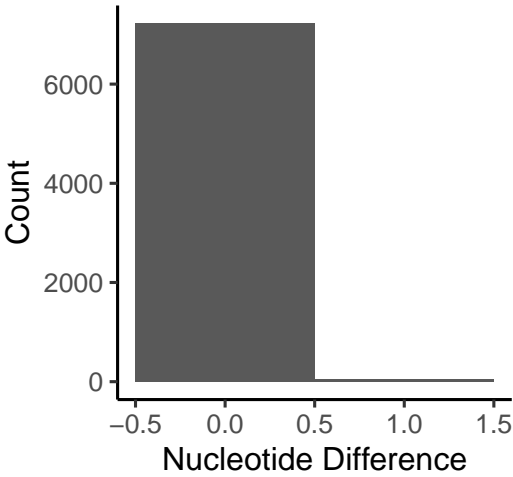


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



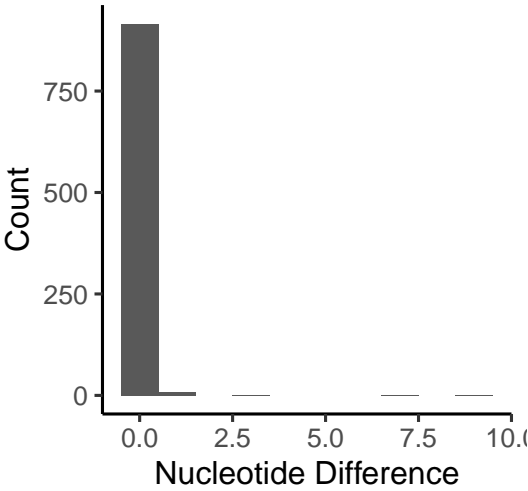
TRBV20-1*ap01

7283 sequences assigned
7224 (99.2%) exact matches, in which:
7169 unique CDR3
14 unique J



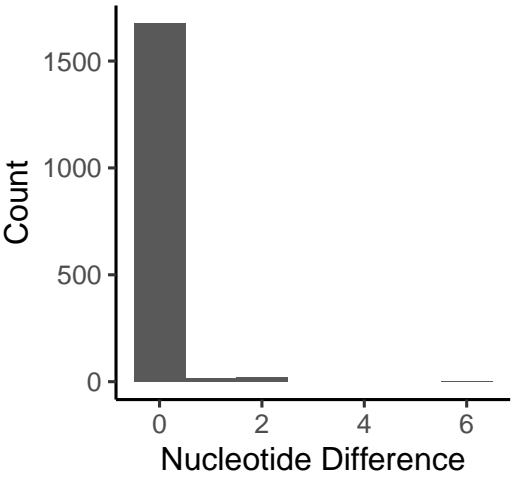
TRBV10-2*ap01

927 sequences assigned
916 (98.8%) exact matches, in which:
906 unique CDR3
14 unique J



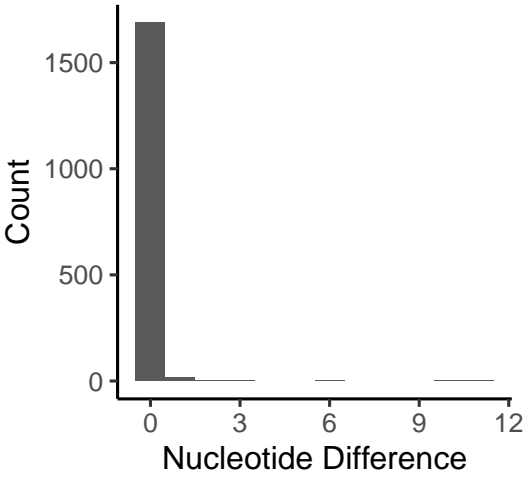
TRBV13*ap01

1718 sequences assigned
1676 (97.6%) exact matches, in which:
1654 unique CDR3
14 unique J



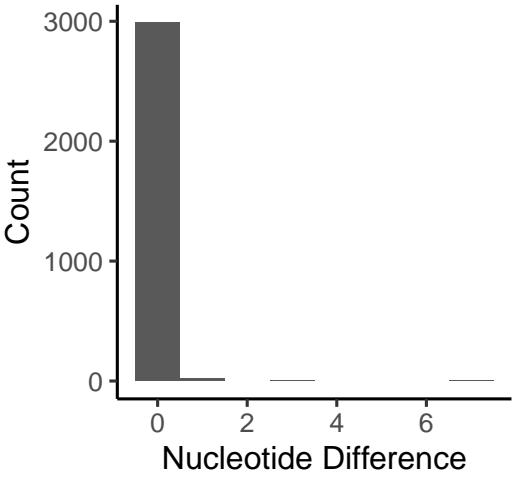
TRBV10-1*ap01

1713 sequences assigned
1688 (98.5%) exact matches, in which:
1664 unique CDR3
14 unique J



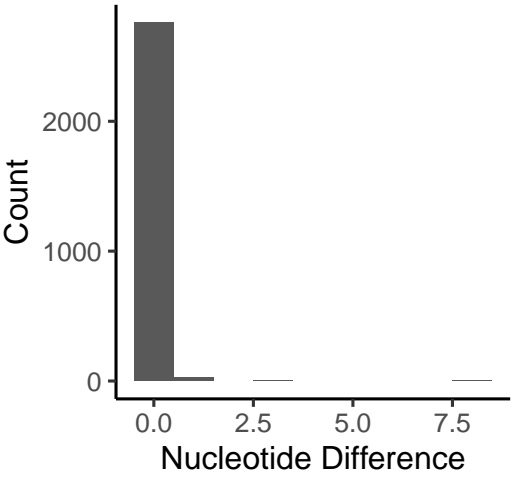
TRBV10-3*ap01

3010 sequences assigned
2988 (99.3%) exact matches, in which:
2939 unique CDR3
14 unique J



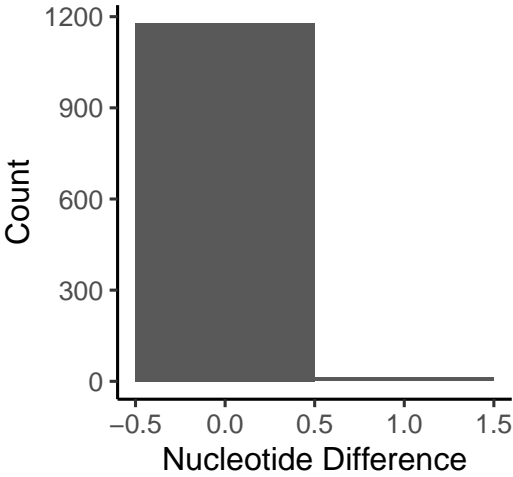
TRBV14*ap01

2786 sequences assigned
2759 (99%) exact matches, in which:
2739 unique CDR3
14 unique J



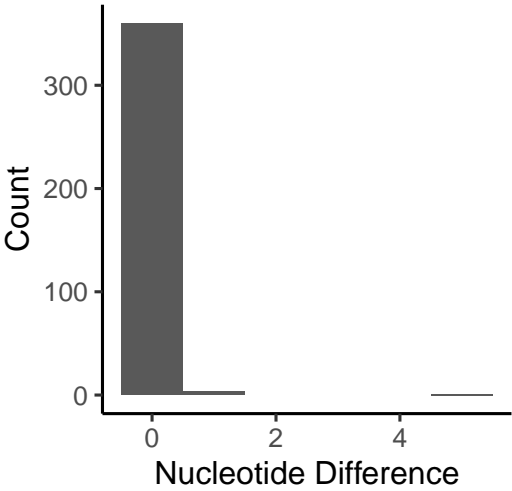
TRBV20-1*ap02

1192 sequences assigned
1179 (98.9%) exact matches, in which:
1172 unique CDR3
14 unique J



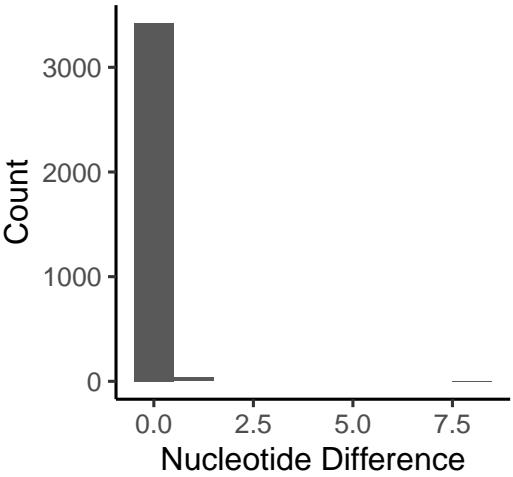
TRBV1*ap01

364 sequences assigned
360 (98.9%) exact matches, in which:
353 unique CDR3
14 unique J



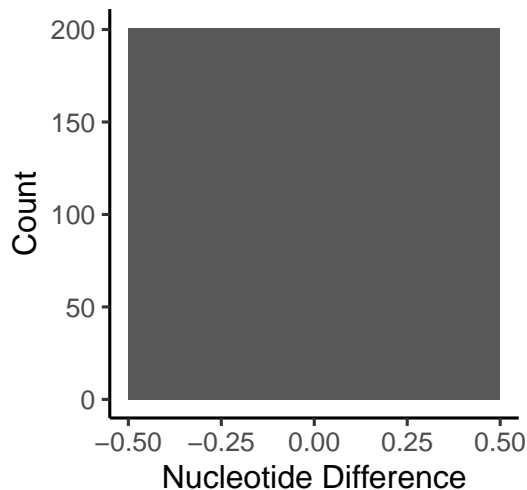
TRBV15*ap02

3462 sequences assigned
3423 (98.9%) exact matches, in which:
3389 unique CDR3
14 unique J



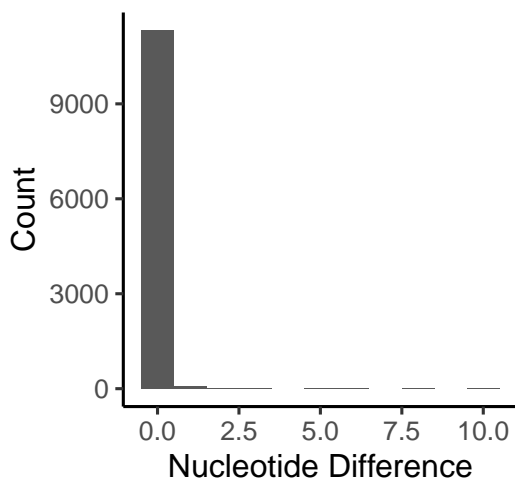
TRBV16*ap01

201 sequences assigned
201 (100%) exact matches, in which:
200 unique CDR3
14 unique J



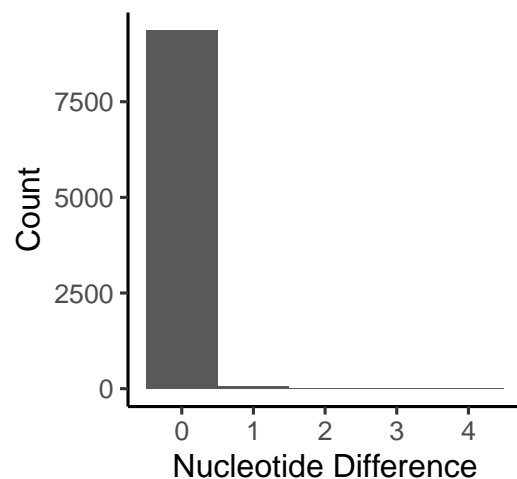
TRBV19*ap01

11420 sequences assigned
11321 (99.1%) exact matches, in which:
11283 unique CDR3
14 unique J



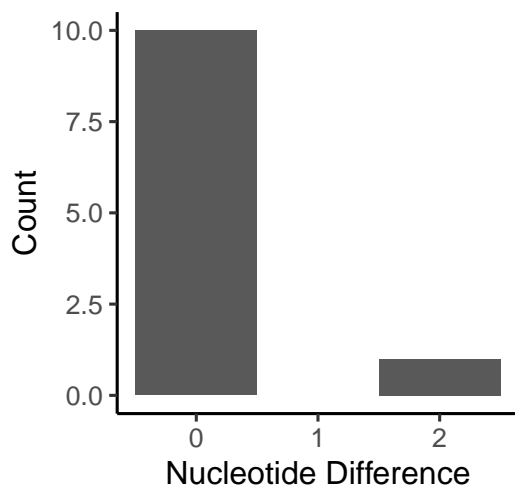
TRBV27*ap01

9443 sequences assigned
9364 (99.2%) exact matches, in which:
9278 unique CDR3
14 unique J



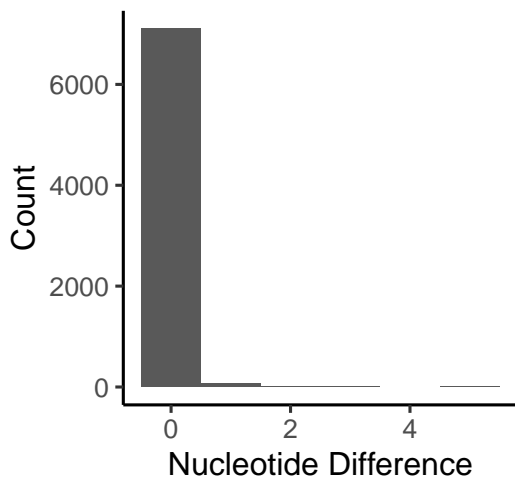
TRBV17*ap01

11 sequences assigned
10 (90.9%) exact matches, in which:
9 unique CDR3
6 unique J



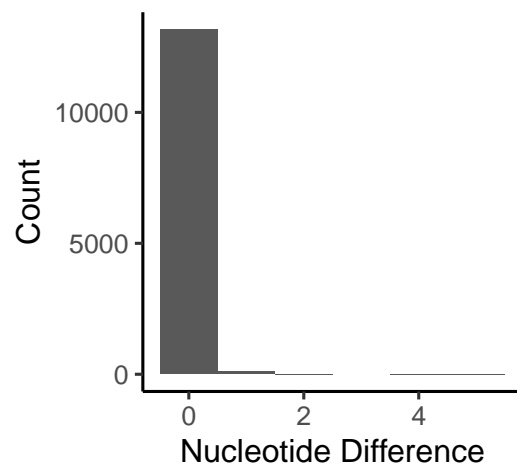
TRBV2*ap01

7179 sequences assigned
7104 (99%) exact matches, in which:
7031 unique CDR3
14 unique J



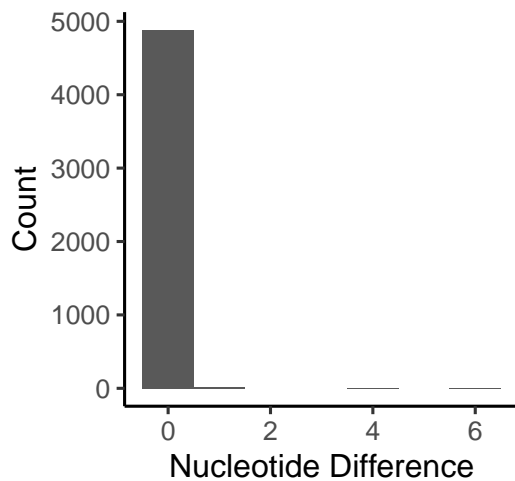
TRBV28*ap01

13284 sequences assigned
13166 (99.1%) exact matches, in which:
13070 unique CDR3
14 unique J



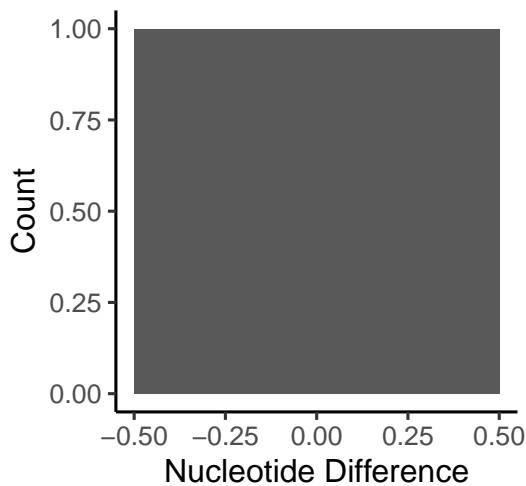
TRBV18*ap01

4897 sequences assigned
4881 (99.7%) exact matches, in which:
4860 unique CDR3
14 unique J



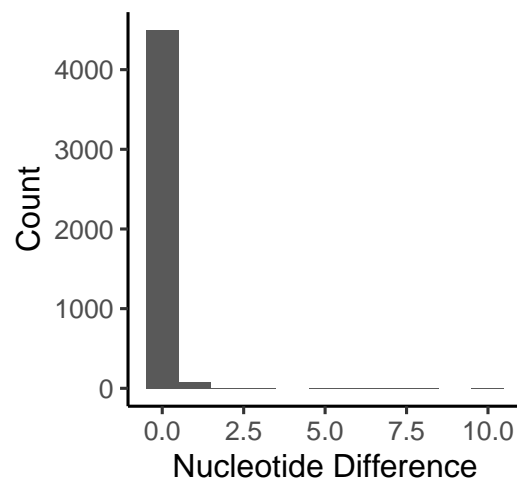
TRBV26*ap01

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



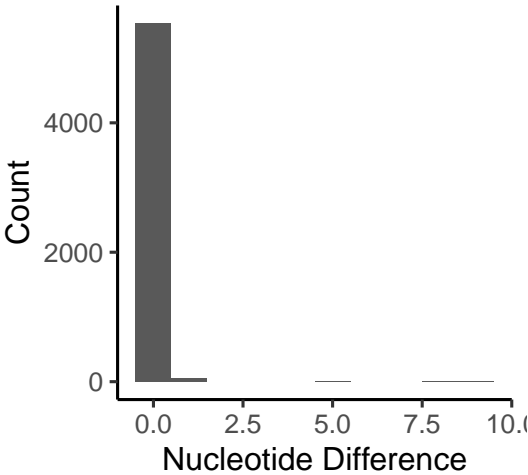
TRBV30*ap02

4582 sequences assigned
4497 (98.1%) exact matches, in which:
4464 unique CDR3
14 unique J



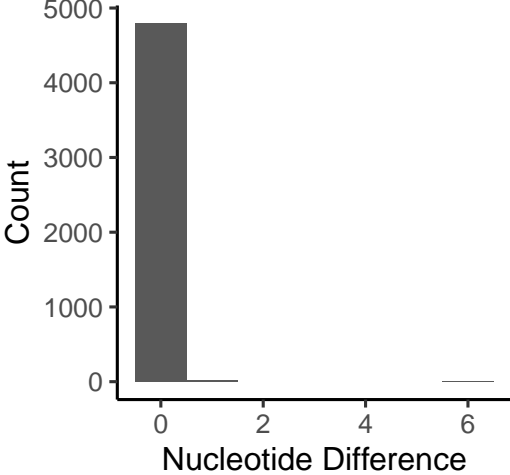
TRBV9*ap01

5590 sequences assigned
5536 (99%) exact matches, in which:
5508 unique CDR3
14 unique J



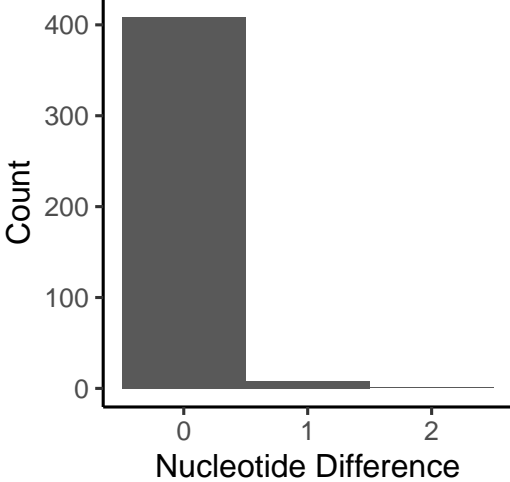
TRBV11-2*ap01

4814 sequences assigned
4794 (99.6%) exact matches, in which:
4767 unique CDR3
14 unique J



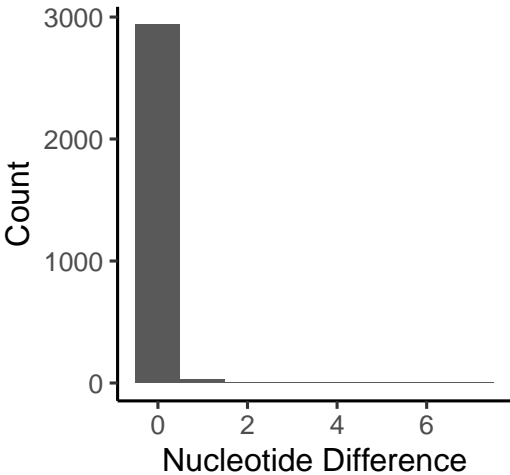
TRBV12-2*ap01

418 sequences assigned
409 (97.8%) exact matches, in which:
405 unique CDR3
14 unique J



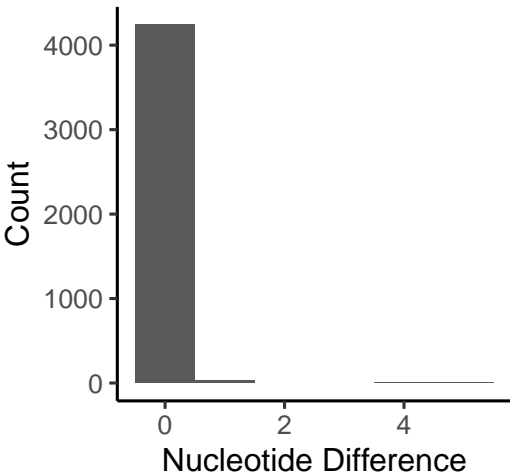
TRBV21-1*ap01

2981 sequences assigned
2937 (98.5%) exact matches, in which:
2921 unique CDR3
14 unique J



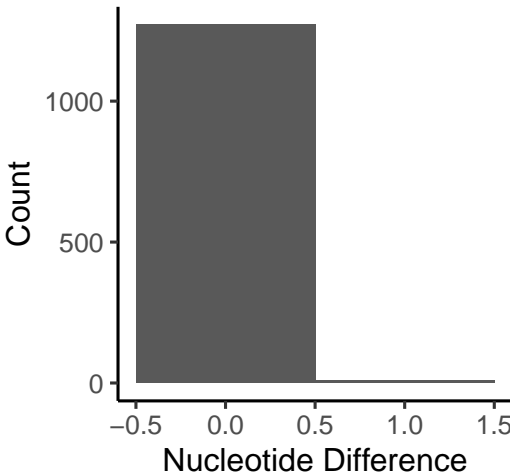
TRBV11-3*ap01

4279 sequences assigned
4242 (99.1%) exact matches, in which:
4222 unique CDR3
14 unique J



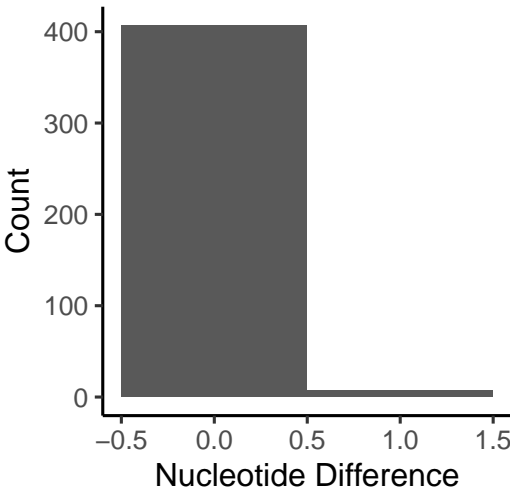
TRBV12-5*ap01

1281 sequences assigned
1271 (99.2%) exact matches, in which:
1261 unique CDR3
14 unique J



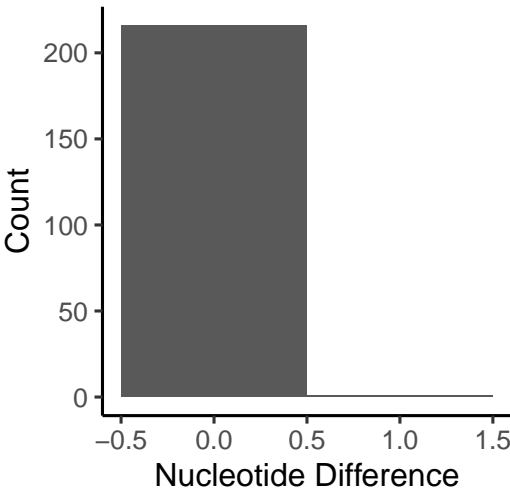
TRBV11-1*ap01

414 sequences assigned
407 (98.3%) exact matches, in which:
403 unique CDR3
14 unique J



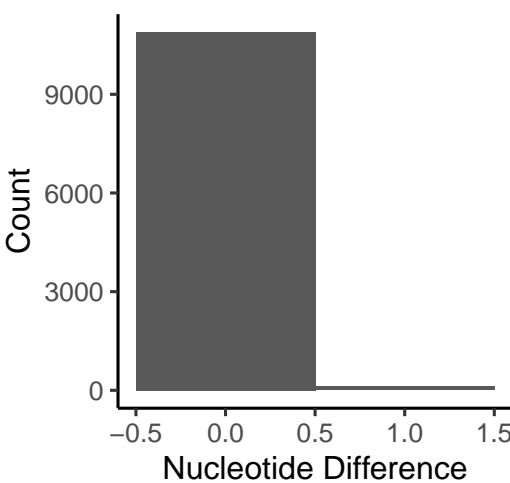
TRBV12-1*ap01

217 sequences assigned
216 (99.5%) exact matches, in which:
215 unique CDR3
14 unique J



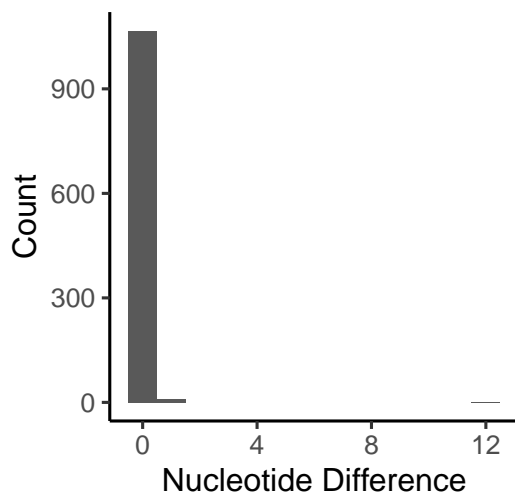
TRBV12-34*ap01

11012 sequences assigned
10893 (98.9%) exact matches, in which:
10789 unique CDR3
14 unique J



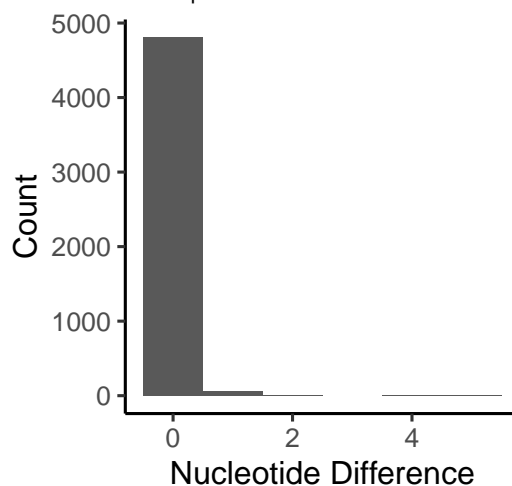
TRBV23-1*ap01

1077 sequences assigned
1067 (99.1%) exact matches, in which:
1058 unique CDR3
14 unique J



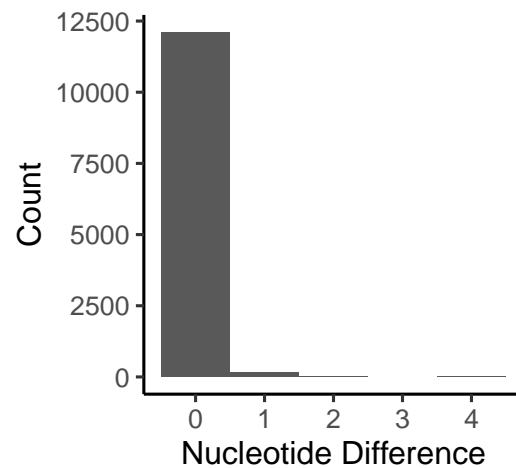
TRBV24-1*ap01

4867 sequences assigned
4807 (98.8%) exact matches, in which:
4758 unique CDR3
14 unique J



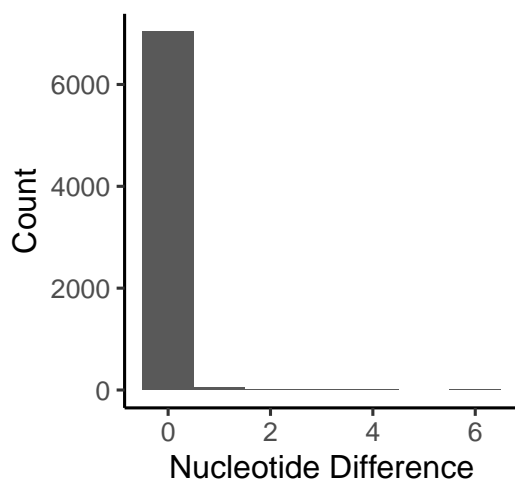
TRBV5-1*ap01

12262 sequences assigned
12110 (98.8%) exact matches, in which:
11968 unique CDR3
14 unique J



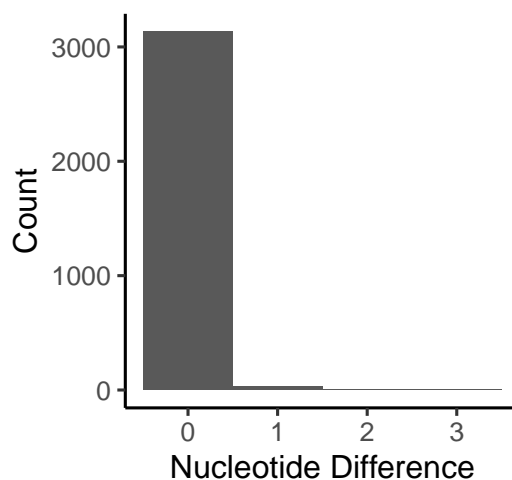
TRBV3-12*ap01

7100 sequences assigned
7036 (99.1%) exact matches, in which:
7001 unique CDR3
14 unique J



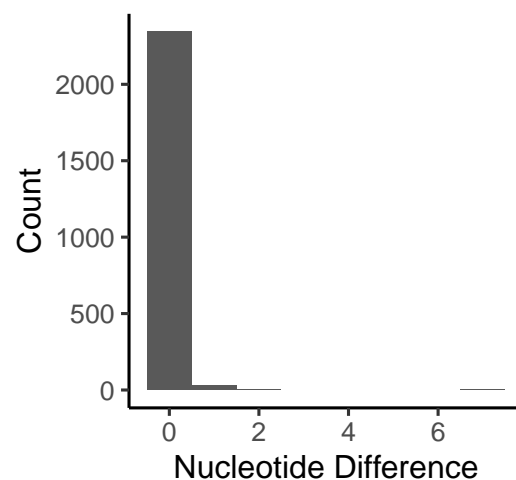
TRBV4-2*ap01

3167 sequences assigned
3133 (98.9%) exact matches, in which:
3108 unique CDR3
14 unique J



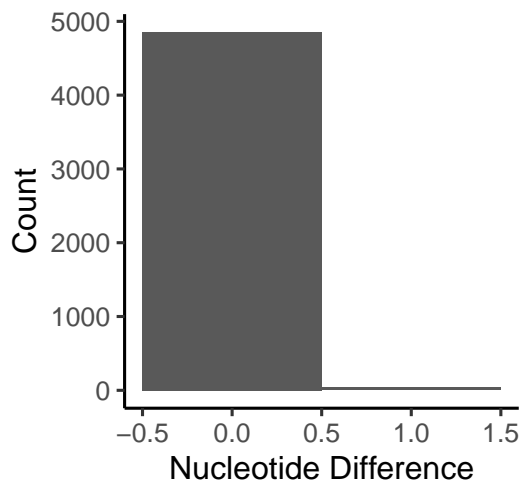
TRBV25-1*ap01

2382 sequences assigned
2344 (98.4%) exact matches, in which:
2321 unique CDR3
14 unique J



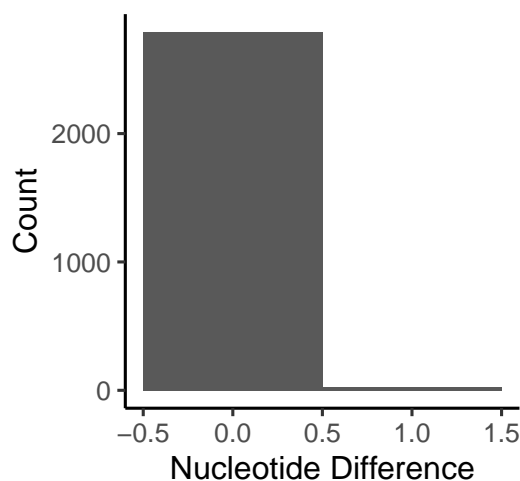
TRBV4-1*ap01

4893 sequences assigned
4855 (99.2%) exact matches, in which:
4801 unique CDR3
14 unique J



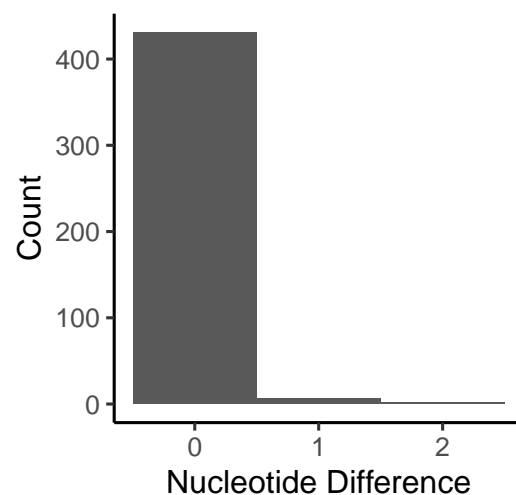
TRBV4-3*ap01

2815 sequences assigned
2791 (99.1%) exact matches, in which:
2773 unique CDR3
14 unique J



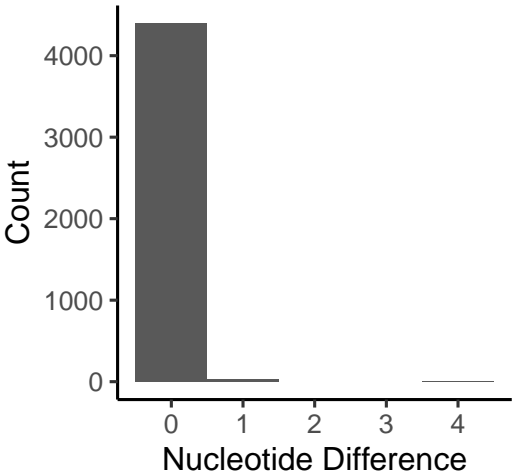
TRBV5-3*ap01

439 sequences assigned
431 (98.2%) exact matches, in which:
424 unique CDR3
14 unique J



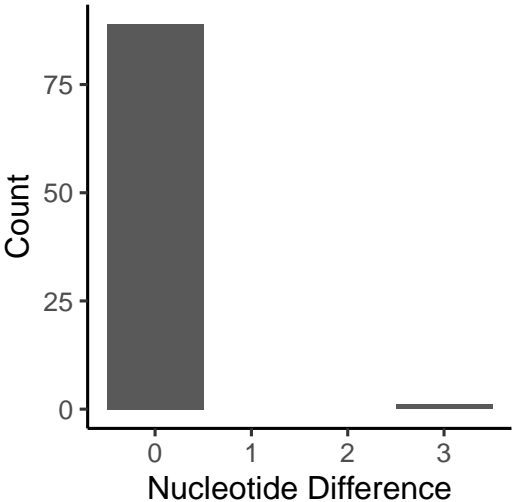
TRBV5-4*ap01

4432 sequences assigned
4396 (99.2%) exact matches, in which:
4353 unique CDR3
14 unique J



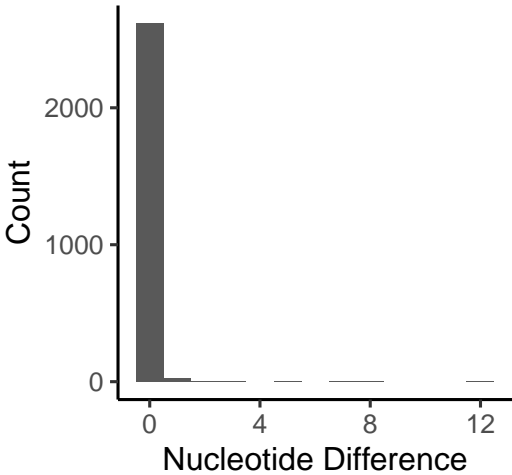
TRBV5-7*ap01

90 sequences assigned
89 (98.9%) exact matches, in which:
87 unique CDR3
13 unique J



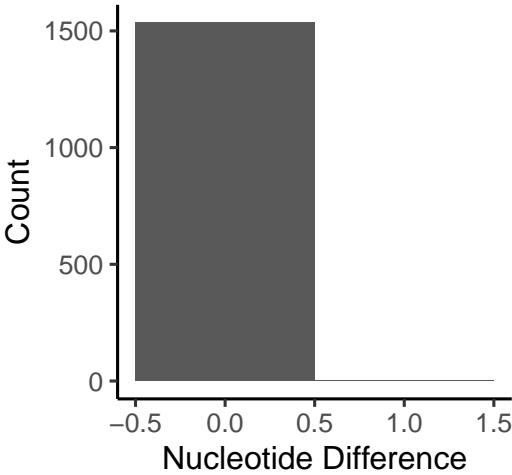
TRBV6-4*ap01

2652 sequences assigned
2616 (98.6%) exact matches, in which:
2601 unique CDR3
14 unique J



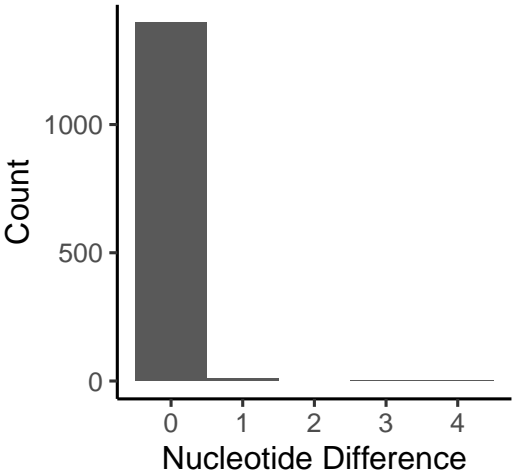
TRBV5-5*ap01

1539 sequences assigned
1535 (99.7%) exact matches, in which:
1533 unique CDR3
14 unique J



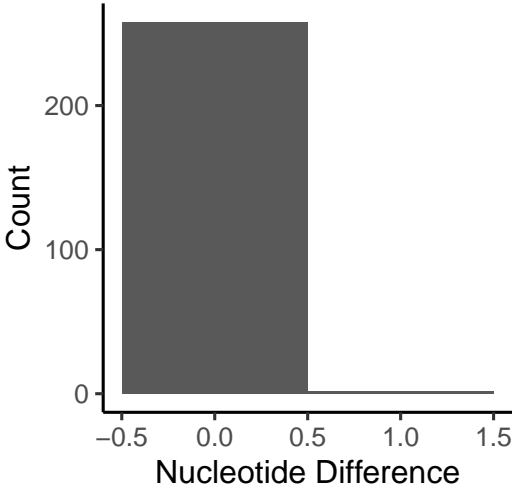
TRBV5-8*ap01

1409 sequences assigned
1397 (99.1%) exact matches, in which:
1383 unique CDR3
14 unique J



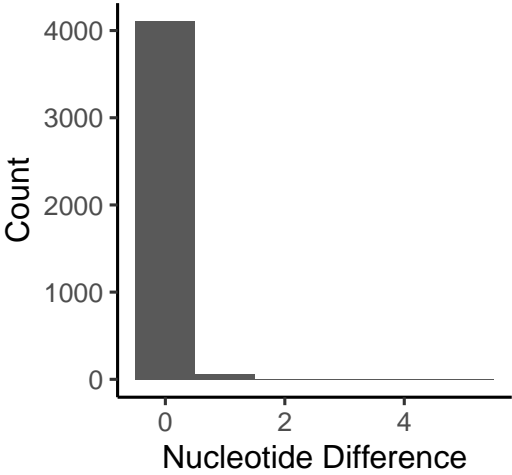
TRBV6-7*ap01

260 sequences assigned
258 (99.2%) exact matches, in which:
256 unique CDR3
14 unique J



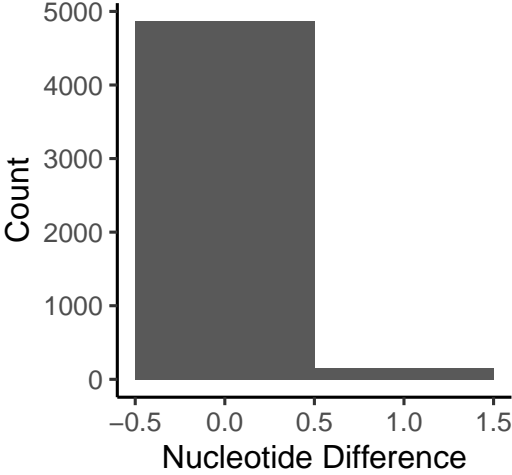
TRBV5-6*ap01

4174 sequences assigned
4109 (98.4%) exact matches, in which:
4045 unique CDR3
14 unique J



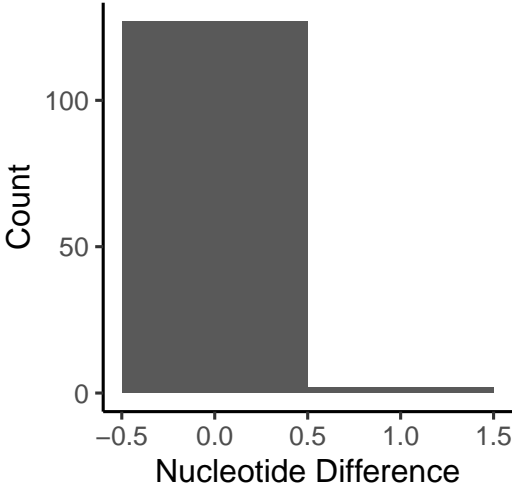
TRBV6-1*ap01

5027 sequences assigned
4869 (96.9%) exact matches, in which:
4809 unique CDR3
14 unique J



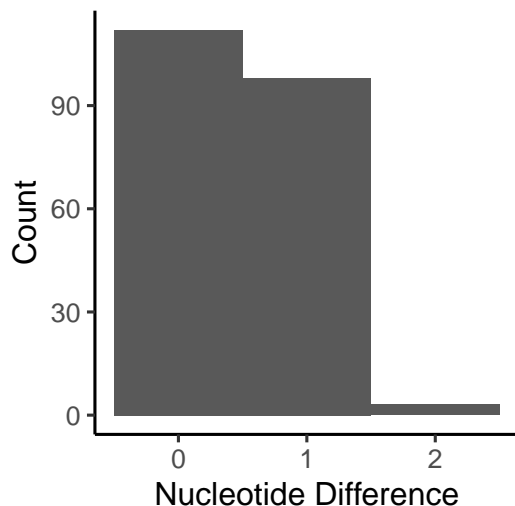
TRBV6-8*ap01

129 sequences assigned
127 (98.4%) exact matches, in which:
126 unique CDR3
14 unique J



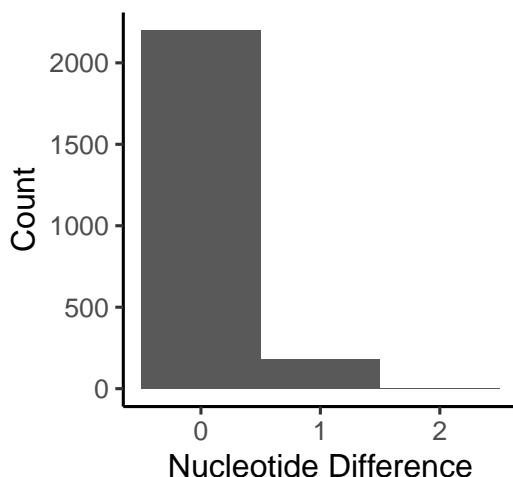
TRBV6–9*ap01

213 sequences assigned
112 (52.6%) exact matches, in which:
112 unique CDR3
14 unique J



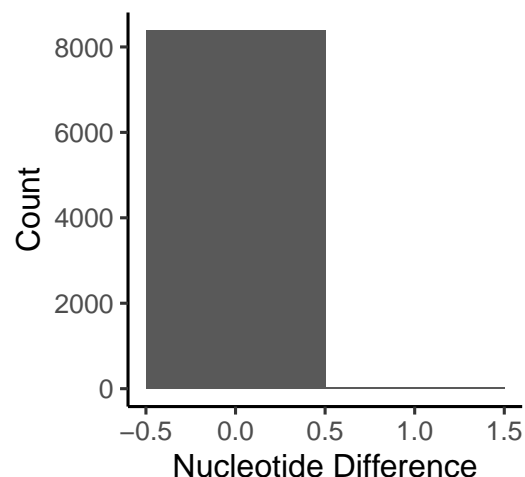
TRBV6–56*ap02

2385 sequences assigned
2199 (92.2%) exact matches, in which:
2172 unique CDR3
14 unique J



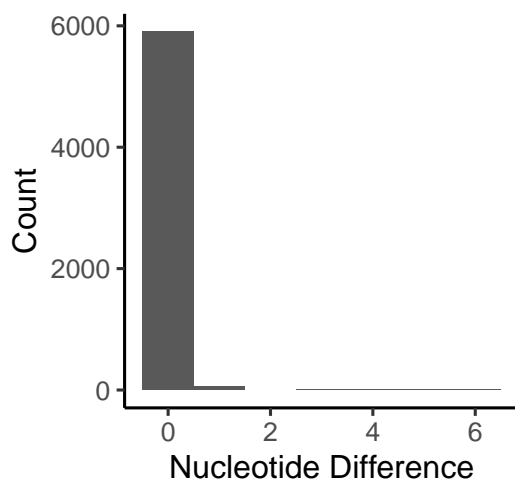
TRBV7–2*ap01

8432 sequences assigned
8387 (99.5%) exact matches, in which:
8341 unique CDR3
14 unique J



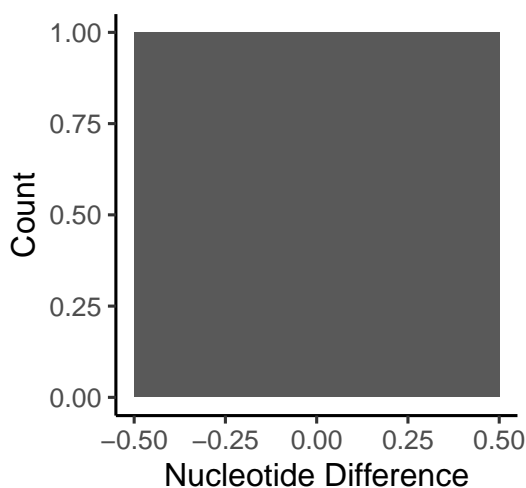
TRBV6–23*ap01

5965 sequences assigned
5903 (99%) exact matches, in which:
5824 unique CDR3
14 unique J



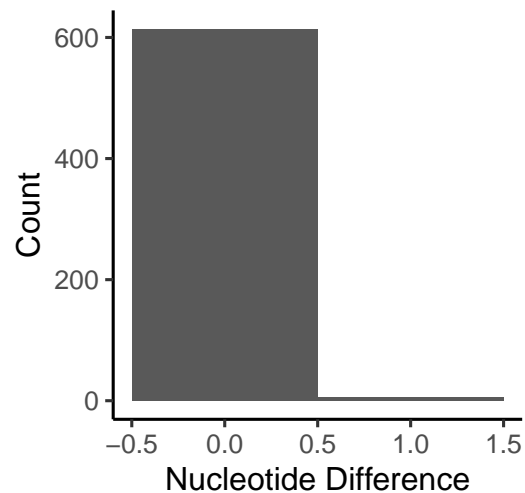
TRBV7–1*ap01

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



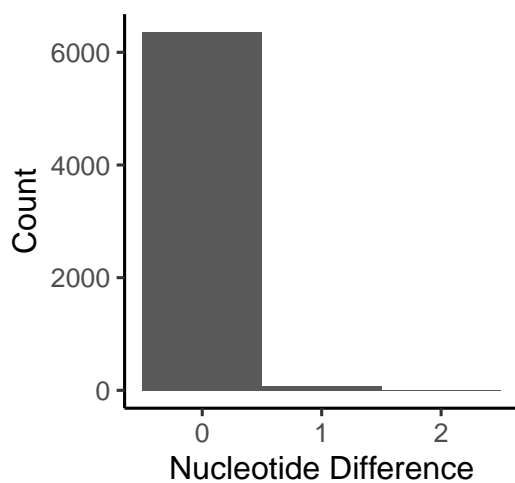
TRBV7–3*ap02

619 sequences assigned
614 (99.2%) exact matches, in which:
607 unique CDR3
13 unique J



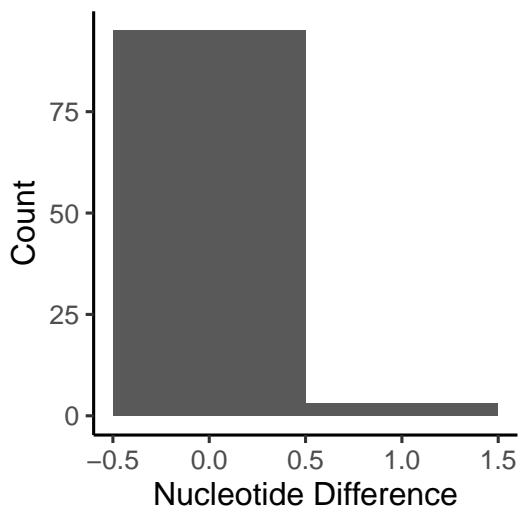
TRBV6–56*ap01

6436 sequences assigned
6360 (98.8%) exact matches, in which:
6287 unique CDR3
14 unique J



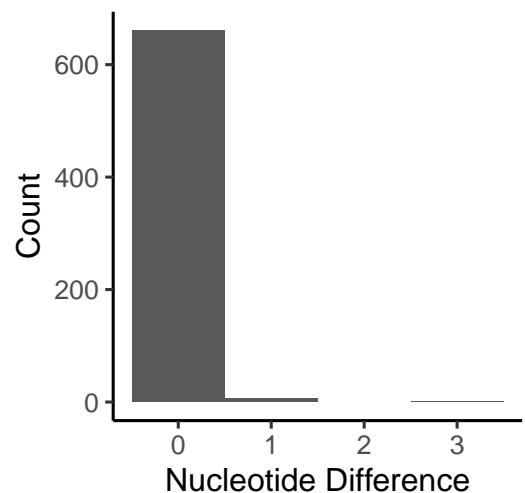
TRBV7–1*ap01_G291C_T

98 sequences assigned
95 (96.9%) exact matches, in which:
95 unique CDR3
14 unique J



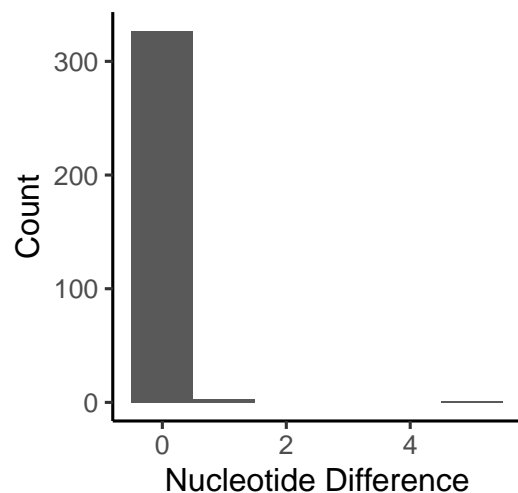
TRBV7–3*ap03

669 sequences assigned
661 (98.8%) exact matches, in which:
658 unique CDR3
13 unique J



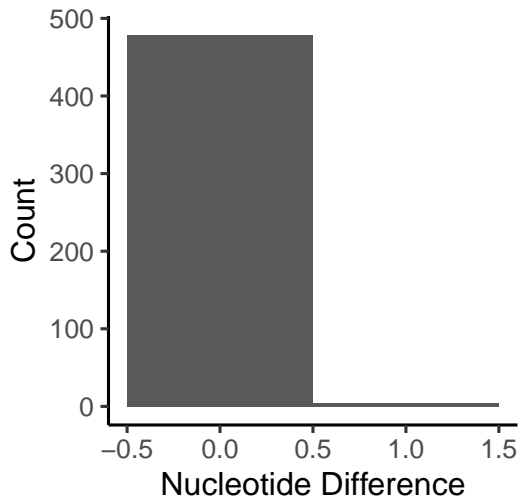
TRBV7-4*ap01

331 sequences assigned
327 (98.8%) exact matches, in which:
323 unique CDR3
14 unique J



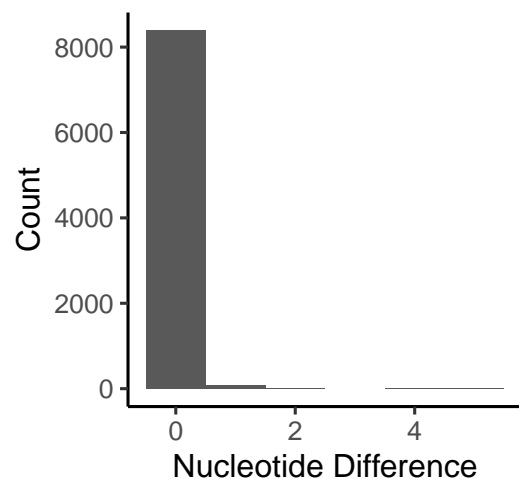
TRBV7-7*ap01_C315T

483 sequences assigned
479 (99.2%) exact matches, in which:
476 unique CDR3
13 unique J



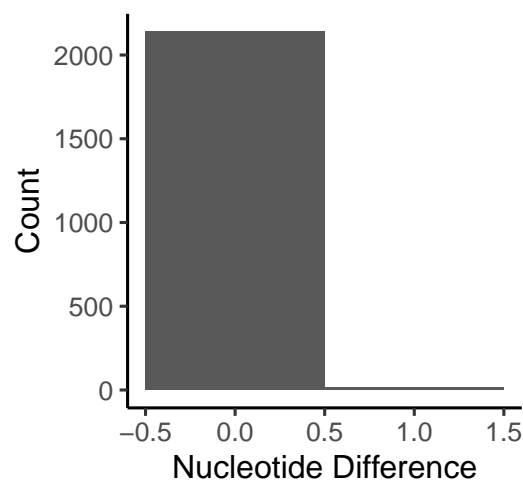
TRBV7-9*ap01

8476 sequences assigned
8391 (99%) exact matches, in which:
8333 unique CDR3
14 unique J



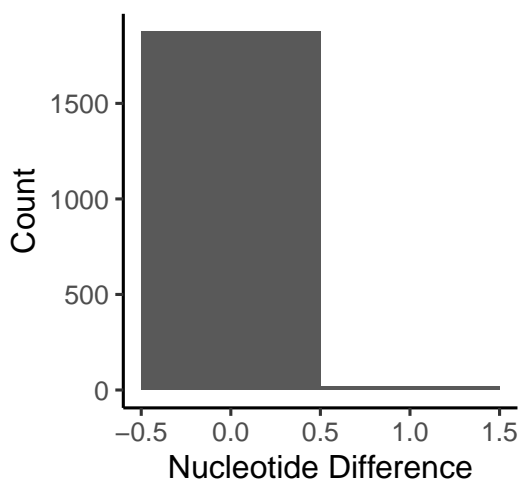
TRBV7-6*ap01

2152 sequences assigned
2139 (99.4%) exact matches, in which:
2122 unique CDR3
14 unique J



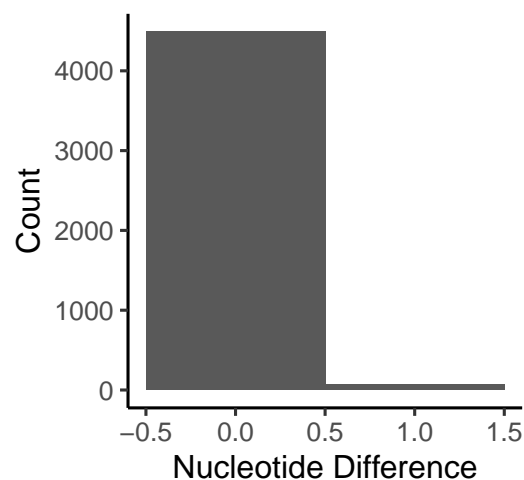
TRBV7-8*ap01

1895 sequences assigned
1875 (98.9%) exact matches, in which:
1864 unique CDR3
14 unique J



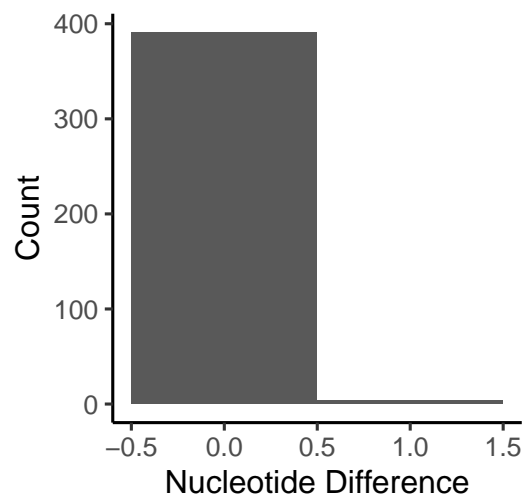
TRBV29-1*ap01

4553 sequences assigned
4490 (98.6%) exact matches, in which:
4431 unique CDR3
14 unique J



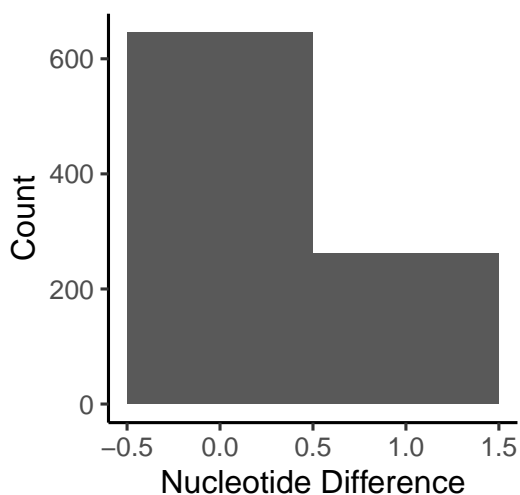
TRBV7-7*ap01

395 sequences assigned
391 (99%) exact matches, in which:
385 unique CDR3
13 unique J



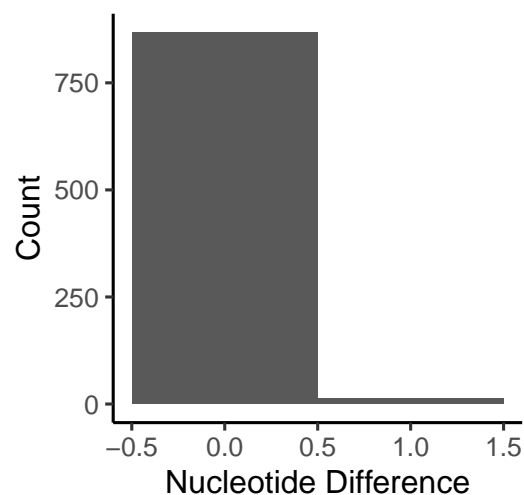
TRBV7-8*ap03

907 sequences assigned
646 (71.2%) exact matches, in which:
638 unique CDR3
14 unique J

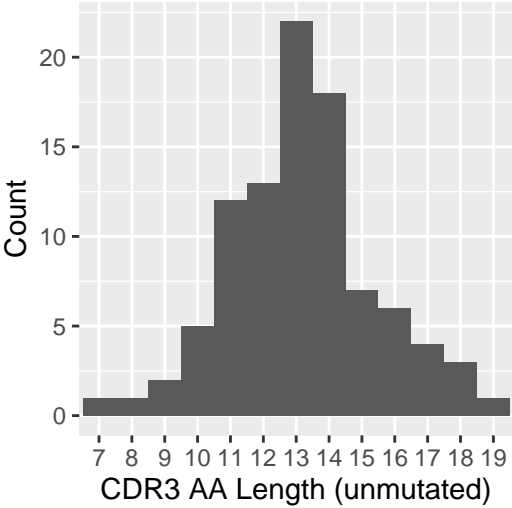


TRBV29-1*ap02

880 sequences assigned
868 (98.6%) exact matches, in which:
858 unique CDR3
14 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

