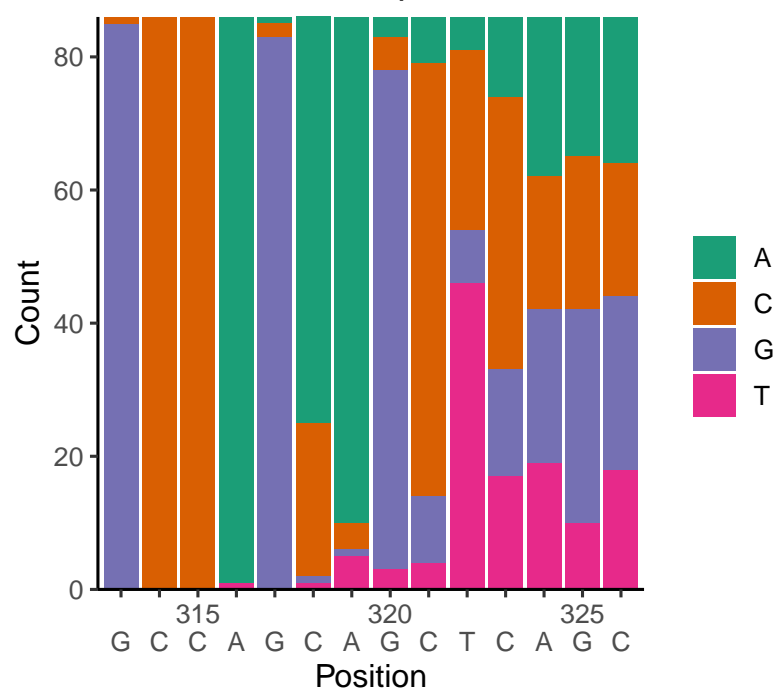
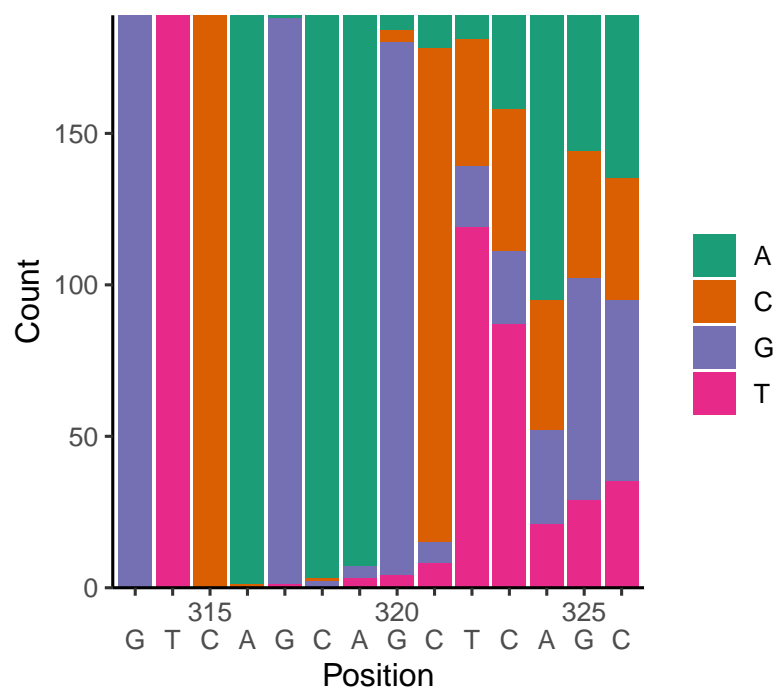


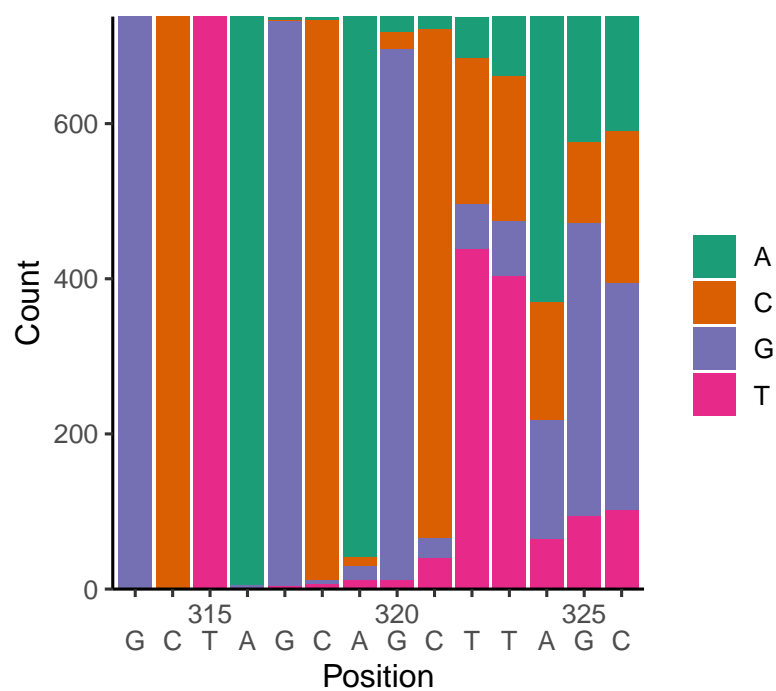
Gene TRBV7-1*ap01_T296C



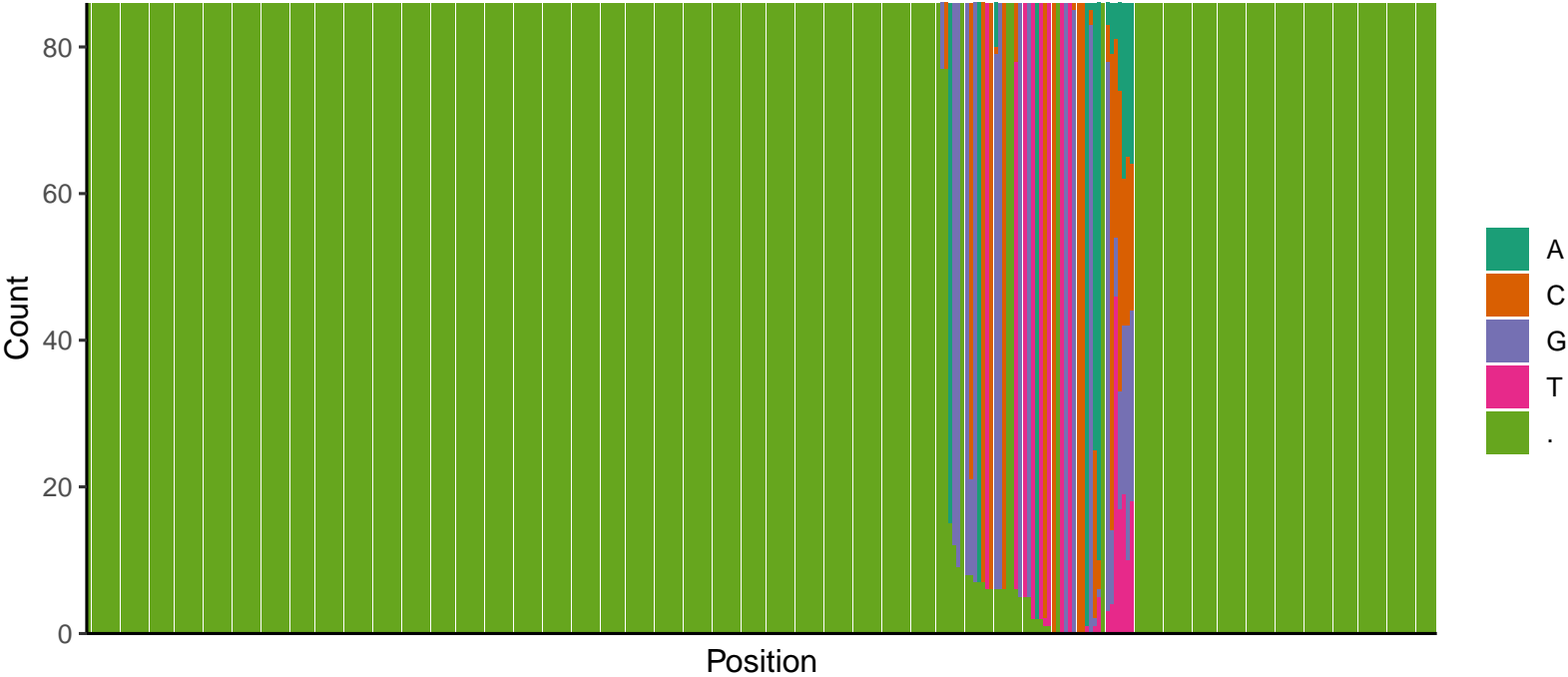
Gene TRBV7-1*ap01_T296C_C314T



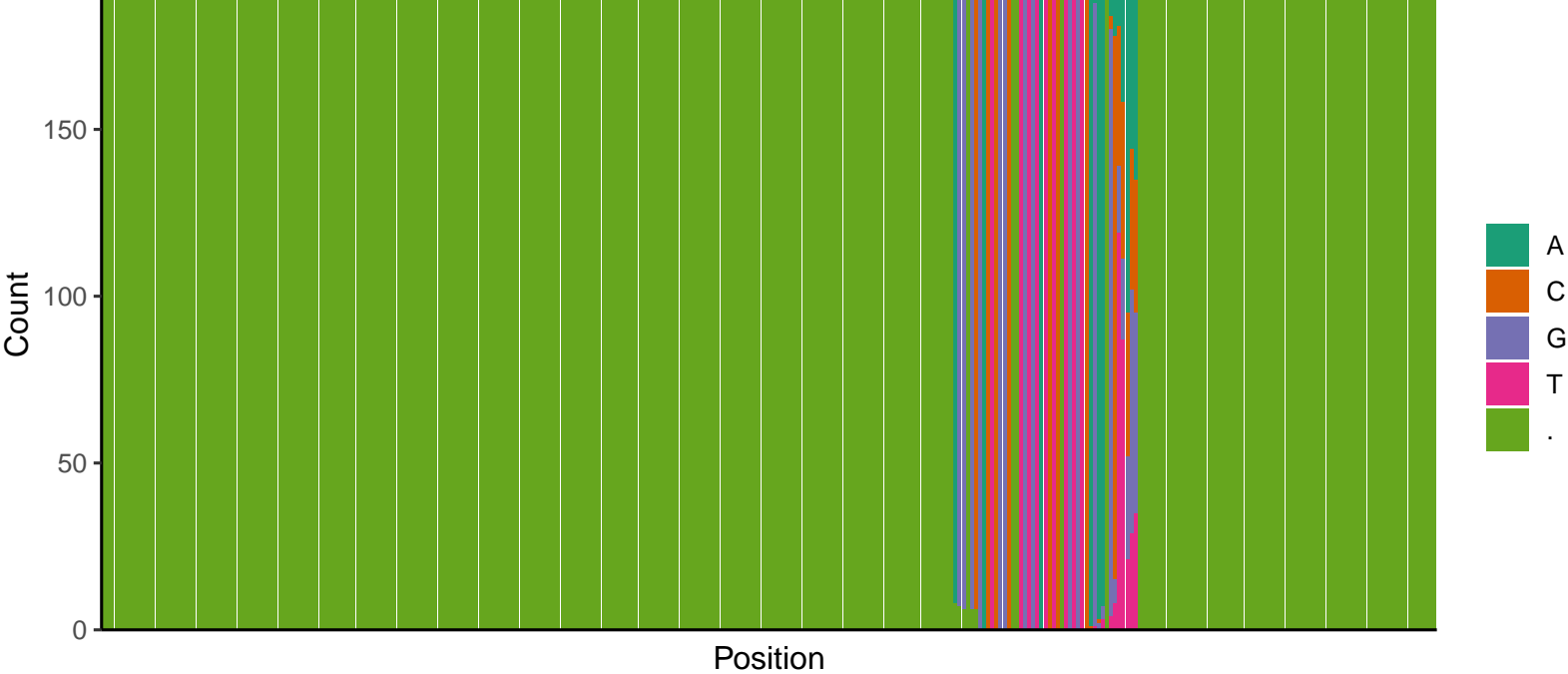
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_T296C



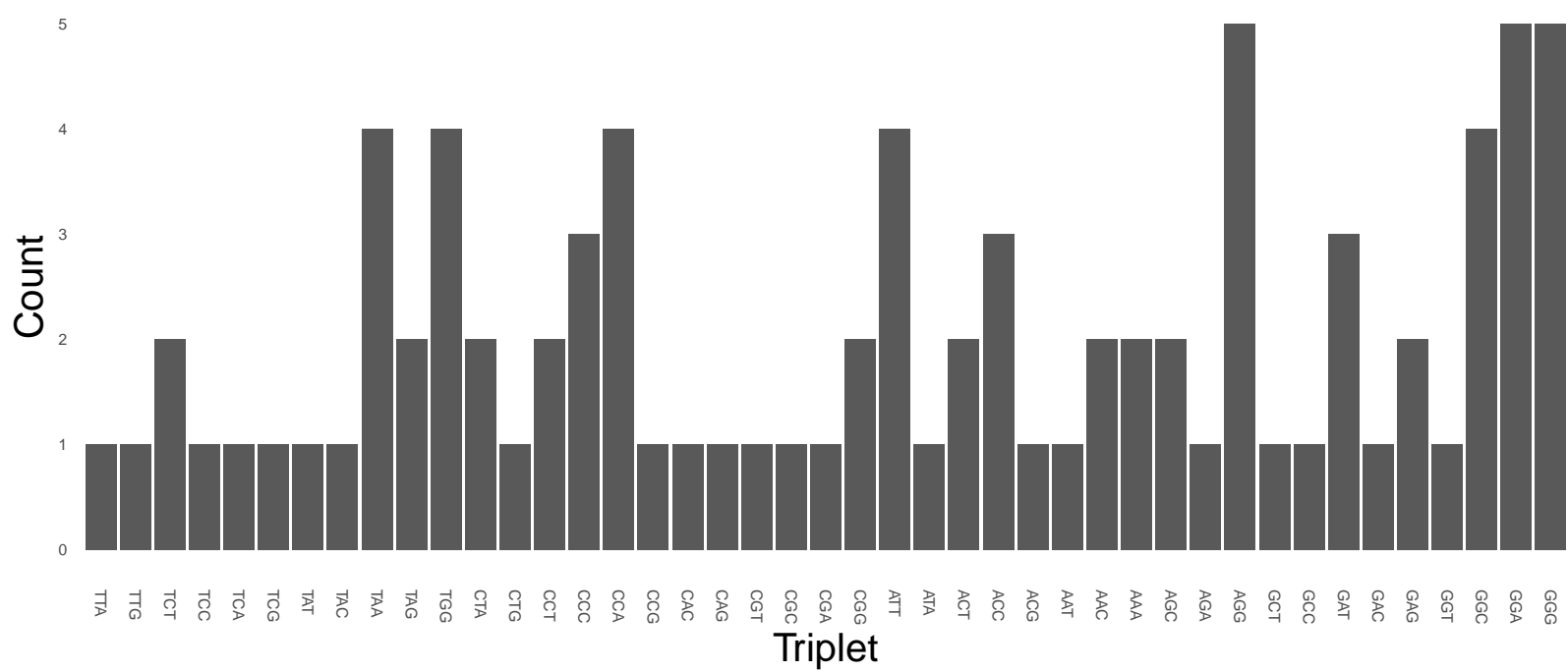
Gene TRBV7-1*ap01_T296C_C314T



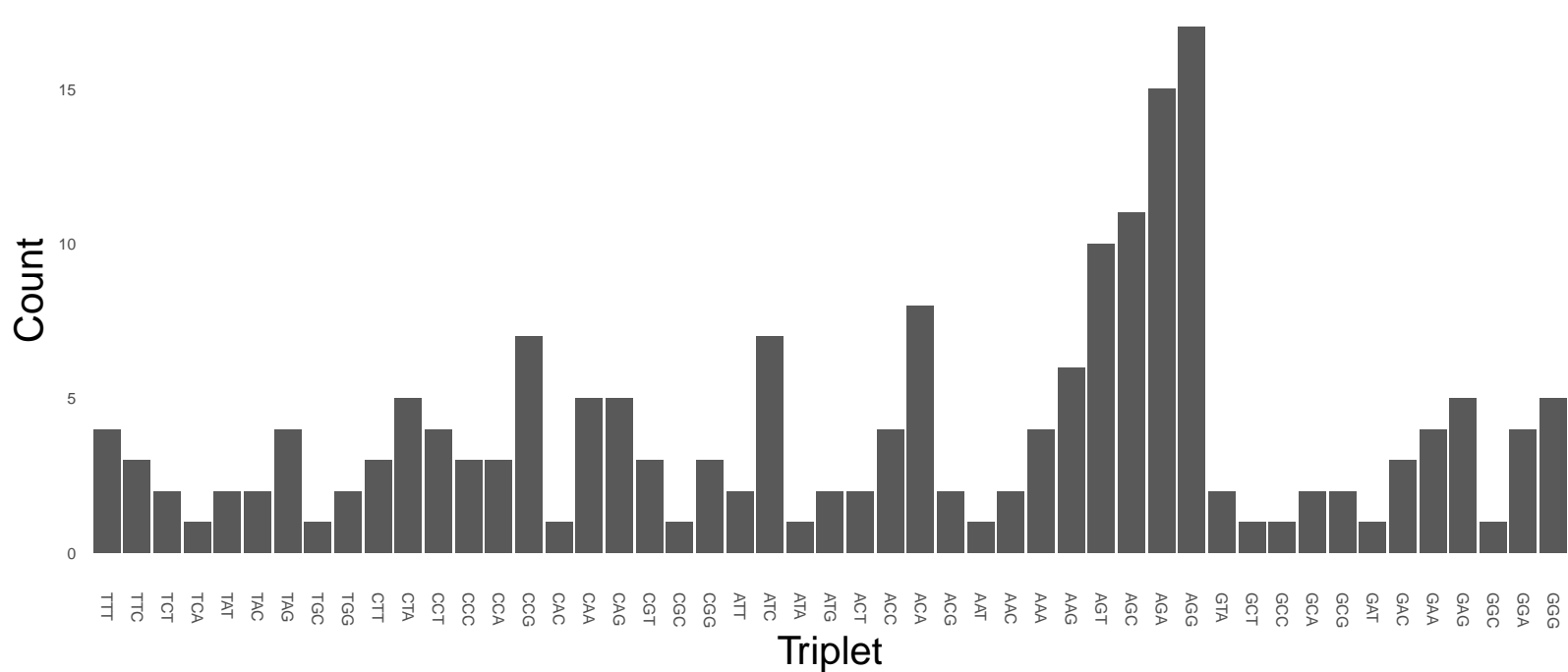
Gene TRBV7-7*ap01_C315T



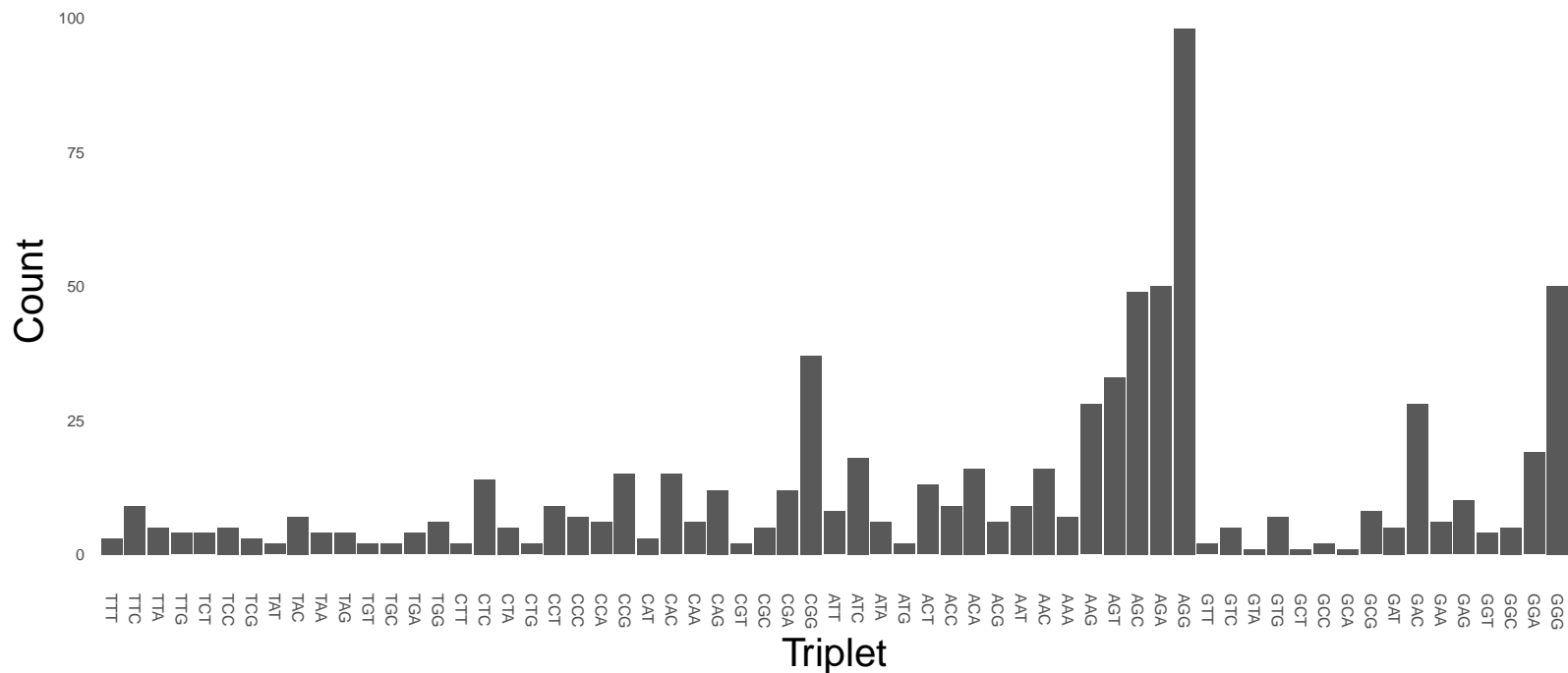
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

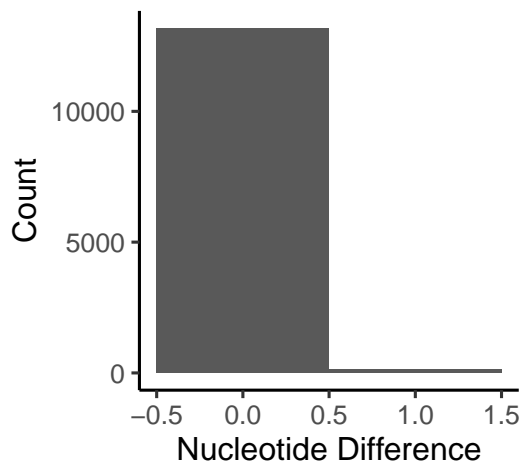


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



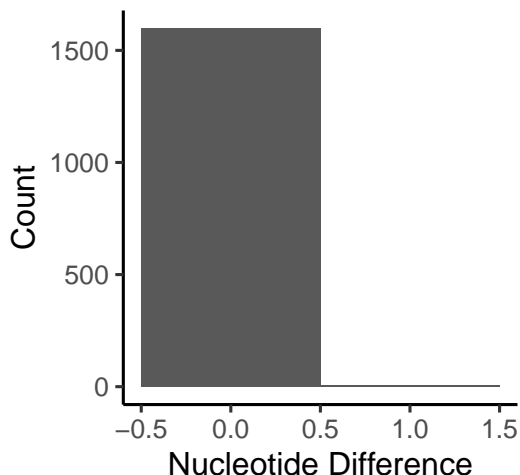
TRBV20-1*ap01

13312 sequences assigned
13181 (99%) exact matches, in which:
13015 unique CDR3
13 unique J



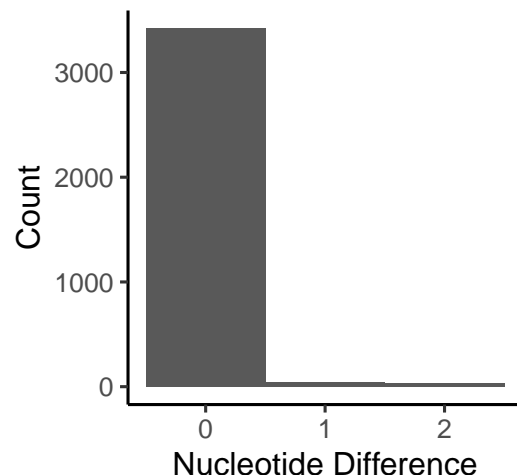
TRBV10-2*ap01

1603 sequences assigned
1598 (99.7%) exact matches, in which:
1574 unique CDR3
13 unique J



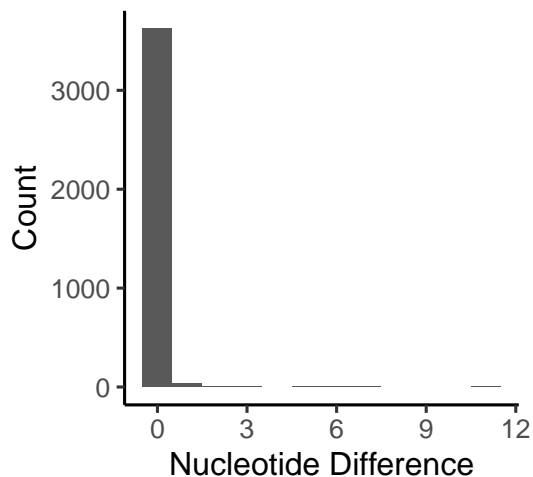
TRBV13*ap01

3494 sequences assigned
3421 (97.9%) exact matches, in which:
3323 unique CDR3
13 unique J



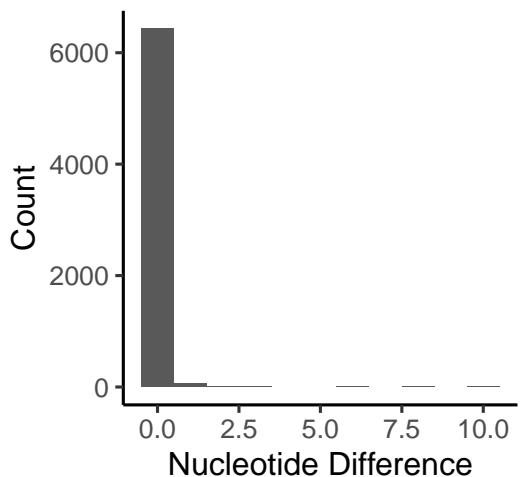
TRBV10-1*ap01

3663 sequences assigned
3623 (98.9%) exact matches, in which:
3553 unique CDR3
14 unique J



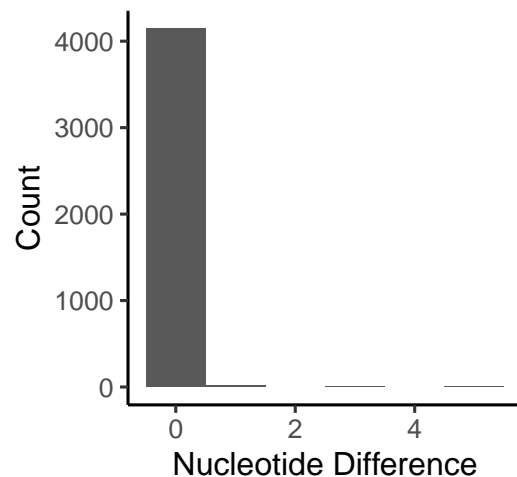
TRBV10-3*ap01

6509 sequences assigned
6431 (98.8%) exact matches, in which:
6308 unique CDR3
13 unique J



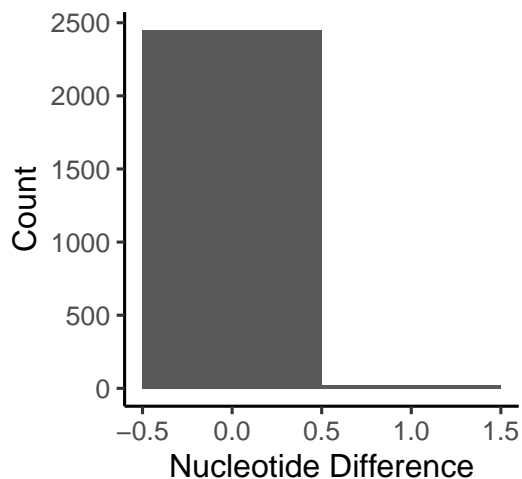
TRBV14*ap01

4166 sequences assigned
4144 (99.5%) exact matches, in which:
4082 unique CDR3
13 unique J



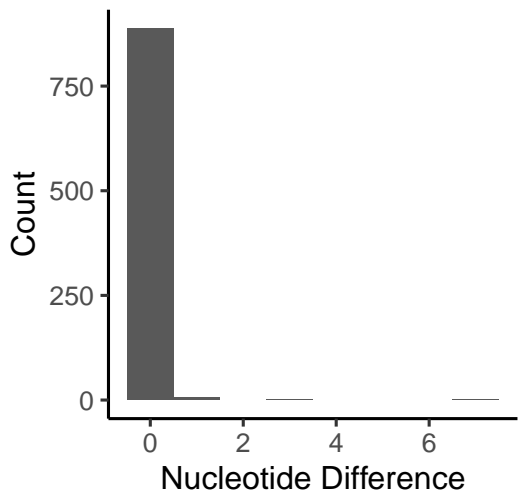
TRBV20-1*ap02

2471 sequences assigned
2450 (99.2%) exact matches, in which:
2415 unique CDR3
13 unique J



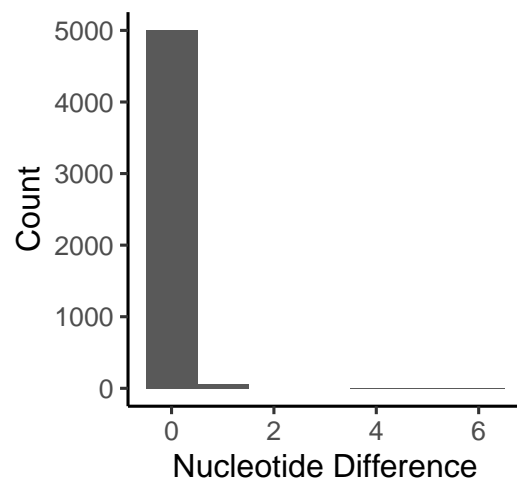
TRBV1*ap01

896 sequences assigned
888 (99.1%) exact matches, in which:
875 unique CDR3
13 unique J



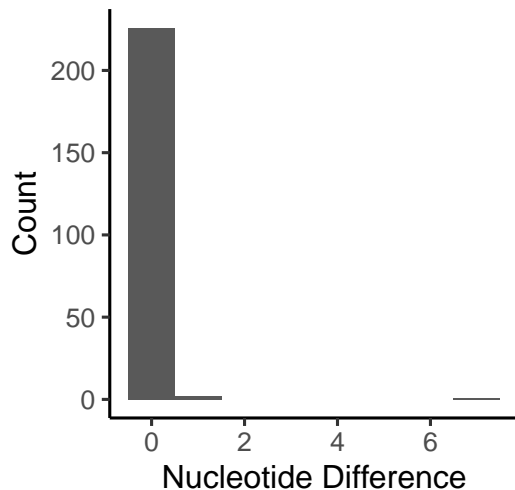
TRBV15*ap02

5069 sequences assigned
5005 (98.7%) exact matches, in which:
4901 unique CDR3
13 unique J



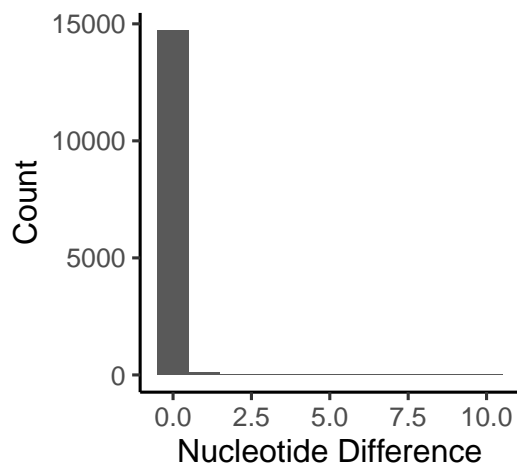
TRBV16*ap01

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



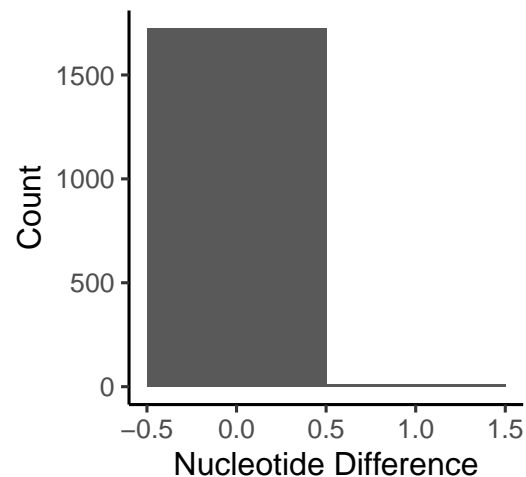
TRBV19*ap01

14878 sequences assigned
14730 (99%) exact matches, in which:
14596 unique CDR3
13 unique J



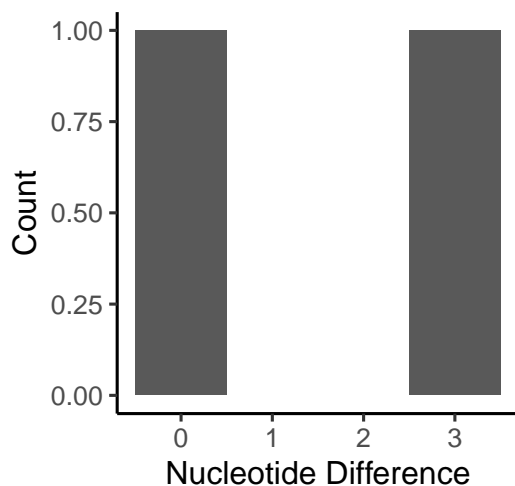
TRBV28*ap01

1737 sequences assigned
1724 (99.3%) exact matches, in which:
1689 unique CDR3
13 unique J



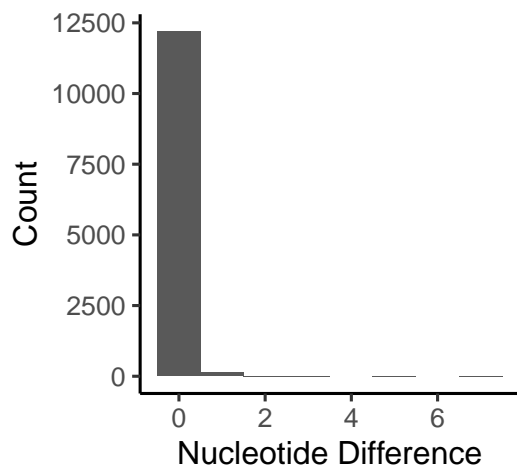
TRBV17*ap01

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



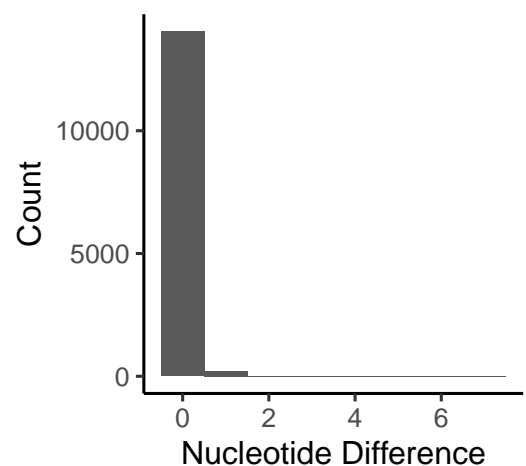
TRBV2*ap01

12343 sequences assigned
12195 (98.8%) exact matches, in which:
11921 unique CDR3
13 unique J



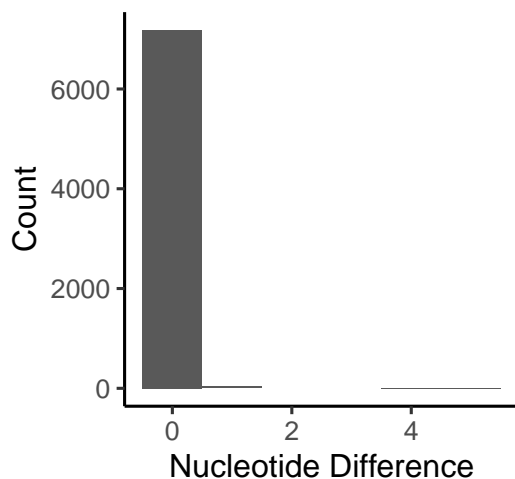
TRBV30*ap01

14276 sequences assigned
14043 (98.4%) exact matches, in which:
13837 unique CDR3
13 unique J



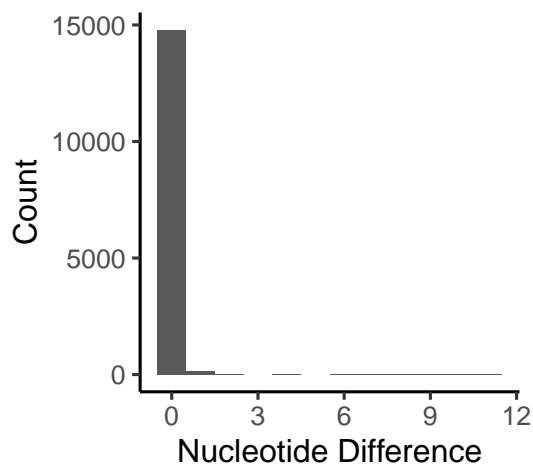
TRBV18*ap01

7221 sequences assigned
7181 (99.4%) exact matches, in which:
7122 unique CDR3
13 unique J



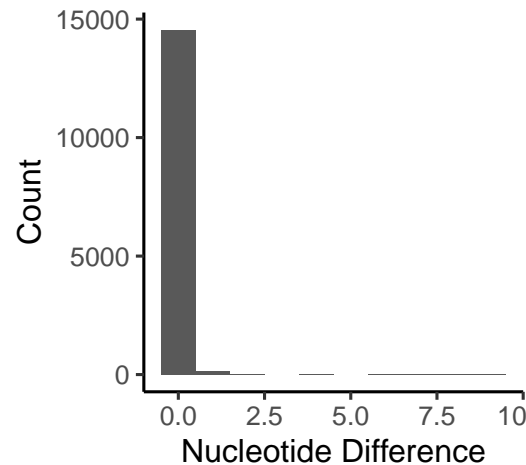
TRBV27*ap01

14986 sequences assigned
14793 (98.7%) exact matches, in which:
14455 unique CDR3
13 unique J



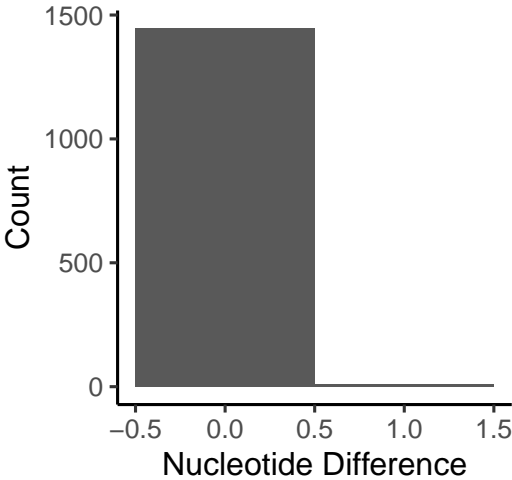
TRBV9*ap01

14683 sequences assigned
14549 (99.1%) exact matches, in which:
14323 unique CDR3
13 unique J



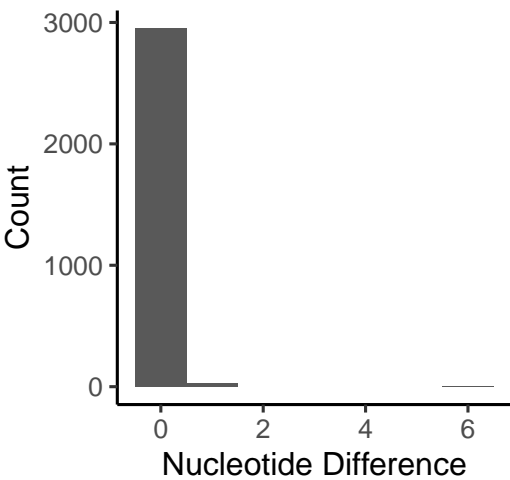
TRBV11-1*ap01

1455 sequences assigned
1446 (99.4%) exact matches, in which:
1414 unique CDR3
13 unique J



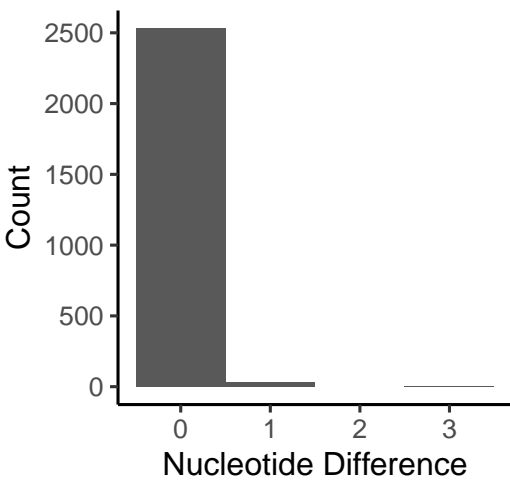
TRBV11-3*ap01

2977 sequences assigned
2951 (99.1%) exact matches, in which:
2905 unique CDR3
13 unique J



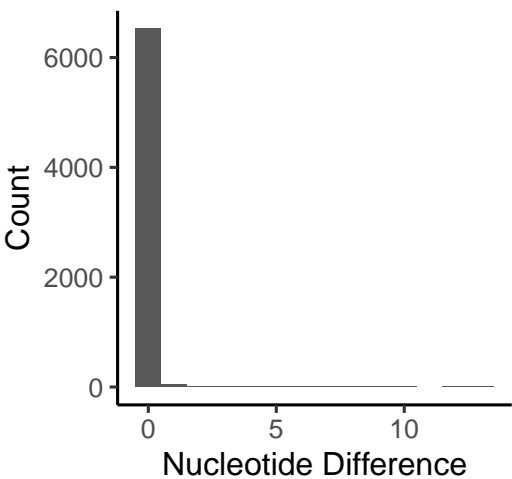
TRBV12-5*ap01

2562 sequences assigned
2531 (98.8%) exact matches, in which:
2479 unique CDR3
13 unique J



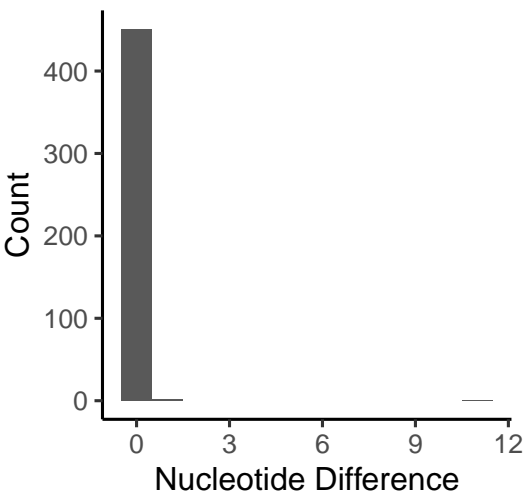
TRBV21-1*ap01

6618 sequences assigned
6525 (98.6%) exact matches, in which:
6456 unique CDR3
13 unique J



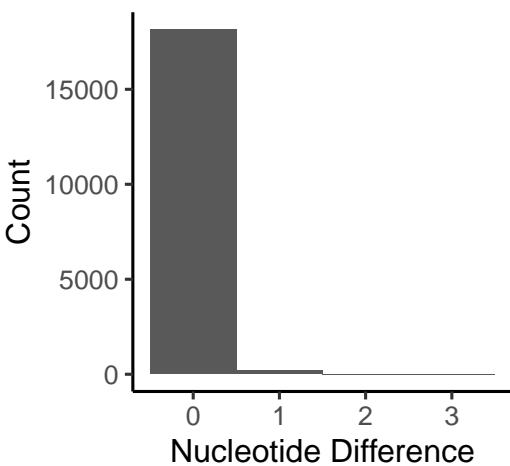
TRBV12-1*ap01

454 sequences assigned
451 (99.3%) exact matches, in which:
445 unique CDR3
13 unique J



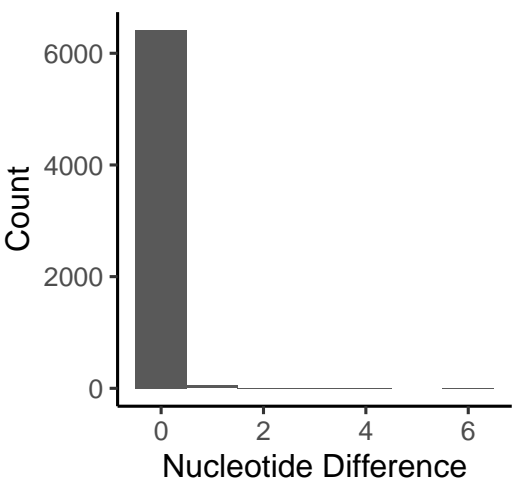
TRBV12-34*ap01

18354 sequences assigned
18150 (98.9%) exact matches, in which:
17819 unique CDR3
13 unique J



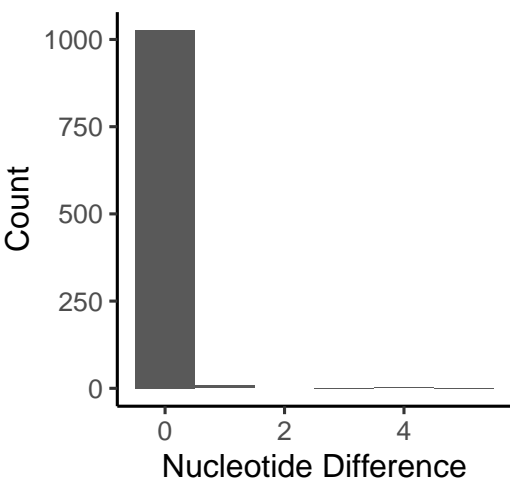
TRBV11-2*ap01

6473 sequences assigned
6416 (99.1%) exact matches, in which:
6290 unique CDR3
13 unique J



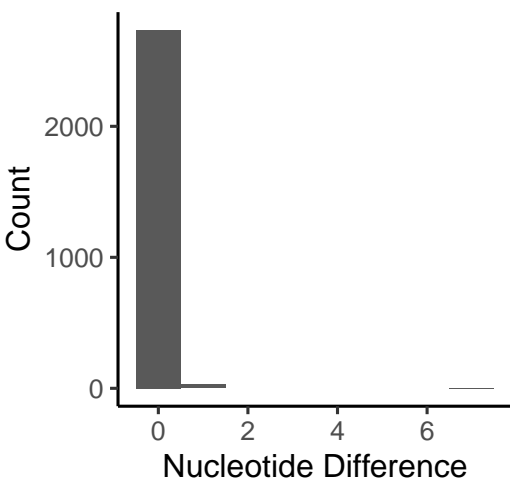
TRBV12-2*ap01

1039 sequences assigned
1027 (98.8%) exact matches, in which:
1011 unique CDR3
13 unique J



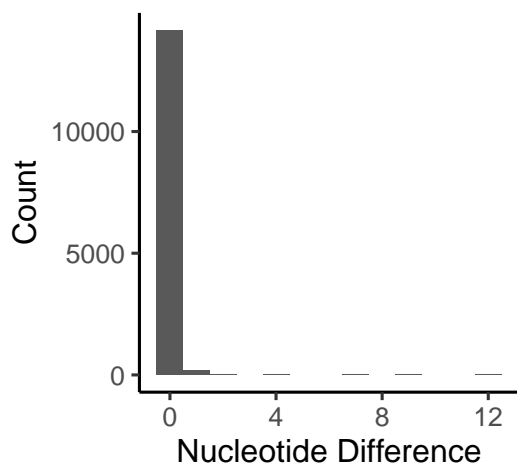
TRBV23-1*ap01

2764 sequences assigned
2735 (99%) exact matches, in which:
2690 unique CDR3
13 unique J



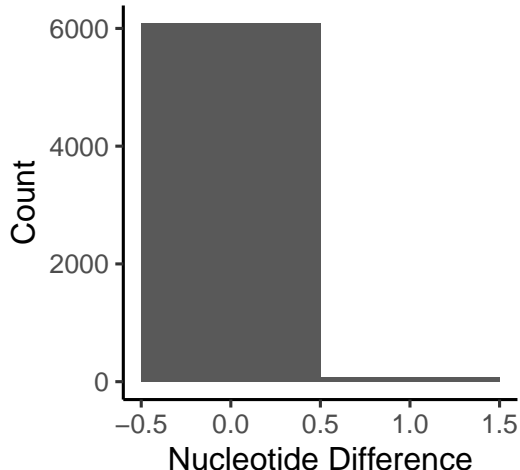
TRBV3-12*ap01

14340 sequences assigned
14164 (98.8%) exact matches, in which:
13885 unique CDR3
13 unique J



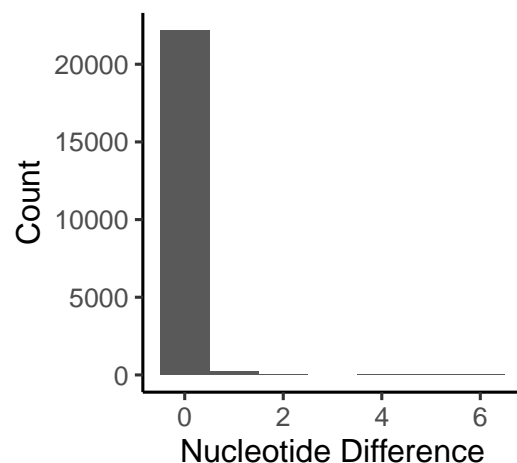
TRBV4-2*ap01

6163 sequences assigned
6085 (98.7%) exact matches, in which:
5961 unique CDR3
13 unique J



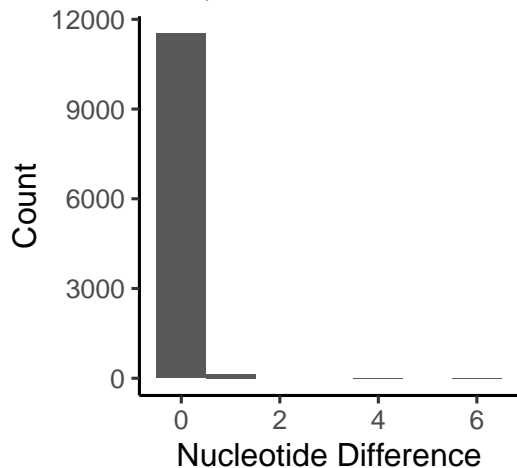
TRBV5-1*ap01

22411 sequences assigned
22195 (99%) exact matches, in which:
21698 unique CDR3
13 unique J



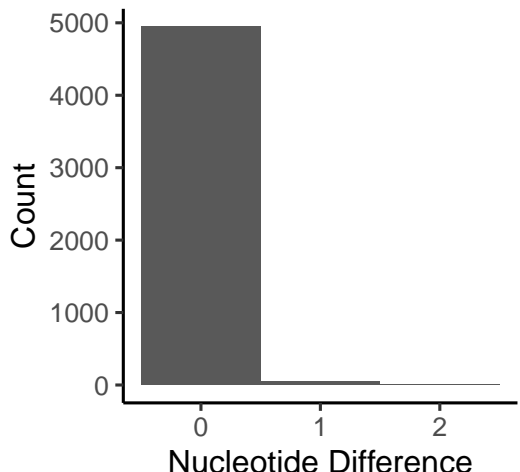
TRBV4-1*ap01

11671 sequences assigned
11527 (98.8%) exact matches, in which:
11257 unique CDR3
14 unique J



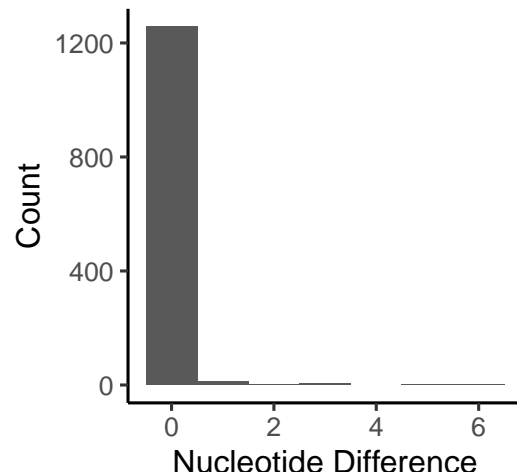
TRBV4-3*ap01

4995 sequences assigned
4946 (99%) exact matches, in which:
4829 unique CDR3
13 unique J



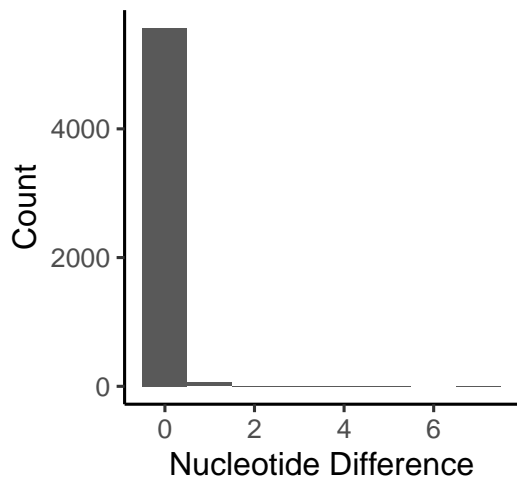
TRBV5-3*ap01

1277 sequences assigned
1257 (98.4%) exact matches, in which:
1243 unique CDR3
13 unique J



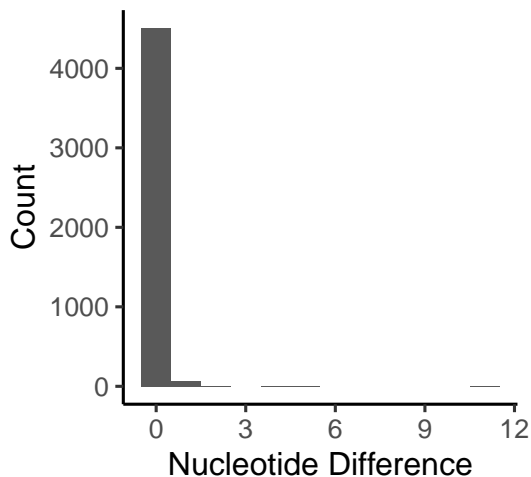
TRBV24-1*ap01

5632 sequences assigned
5566 (98.8%) exact matches, in which:
5448 unique CDR3
13 unique J



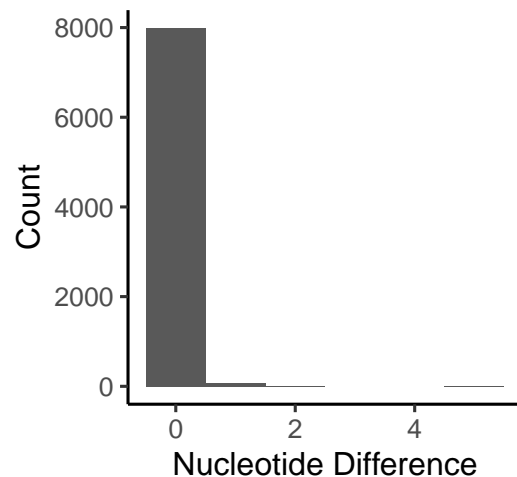
TRBV25-1*ap01

4579 sequences assigned
4507 (98.4%) exact matches, in which:
4434 unique CDR3
13 unique J



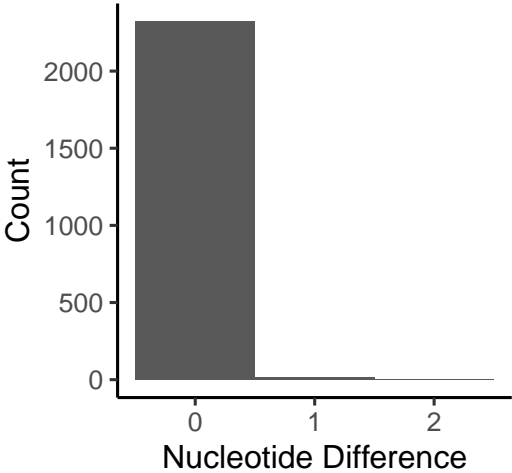
TRBV5-4*ap01

8070 sequences assigned
7989 (99%) exact matches, in which:
7803 unique CDR3
13 unique J



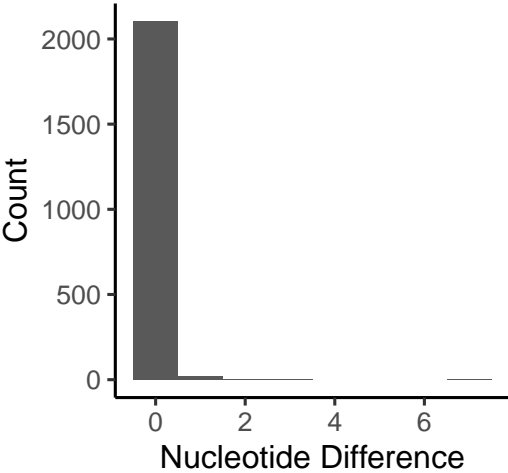
TRBV5-5*ap01

2338 sequences assigned
2322 (99.3%) exact matches, in which:
2306 unique CDR3
13 unique J



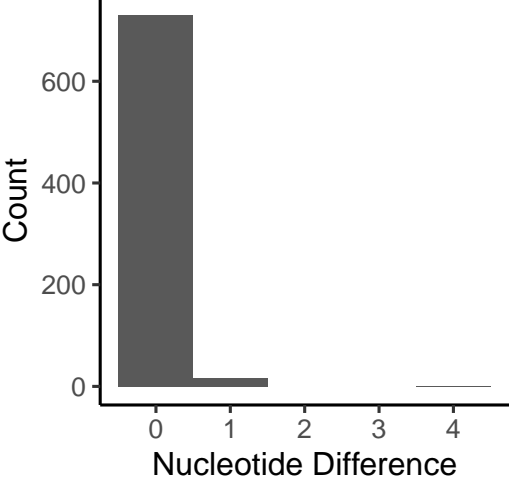
TRBV5-8*ap01

2126 sequences assigned
2103 (98.9%) exact matches, in which:
2073 unique CDR3
13 unique J



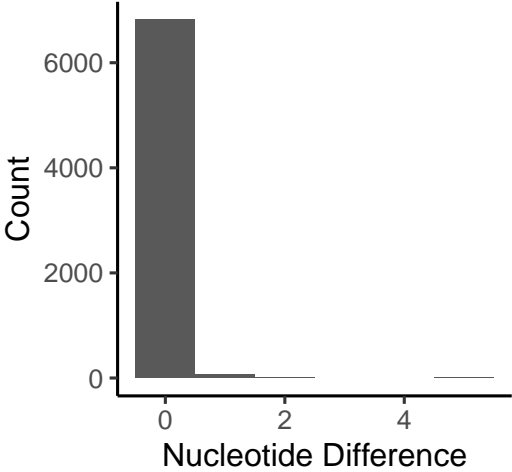
TRBV6-7*ap01

749 sequences assigned
731 (97.6%) exact matches, in which:
711 unique CDR3
13 unique J



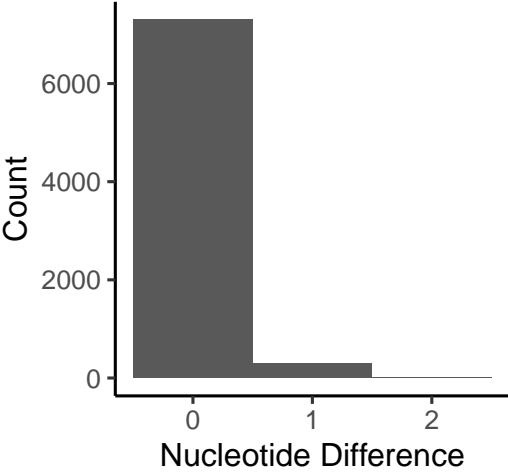
TRBV5-6*ap01

6892 sequences assigned
6818 (98.9%) exact matches, in which:
6656 unique CDR3
13 unique J



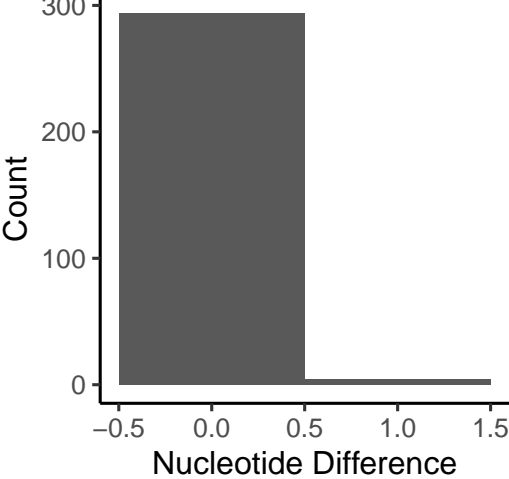
TRBV6-1*ap01

7594 sequences assigned
7300 (96.1%) exact matches, in which:
7147 unique CDR3
13 unique J



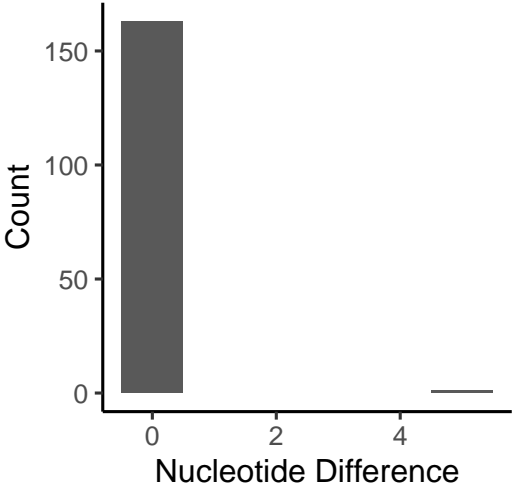
TRBV6-8*ap01

298 sequences assigned
294 (98.7%) exact matches, in which:
285 unique CDR3
13 unique J



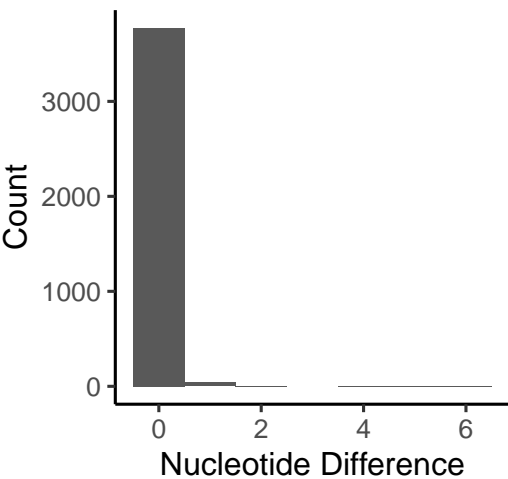
TRBV5-7*ap01

164 sequences assigned
163 (99.4%) exact matches, in which:
162 unique CDR3
13 unique J



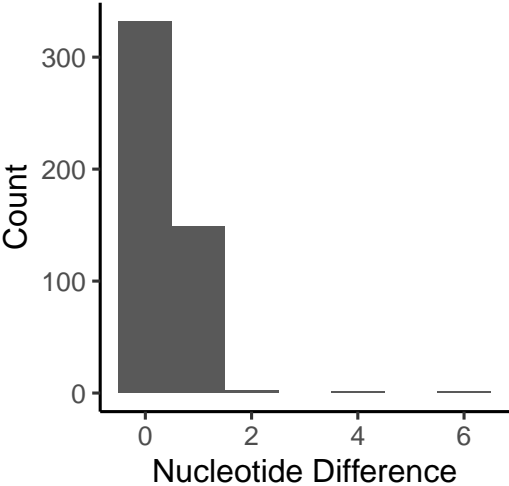
TRBV6-4*ap01

3818 sequences assigned
3772 (98.8%) exact matches, in which:
3711 unique CDR3
13 unique J



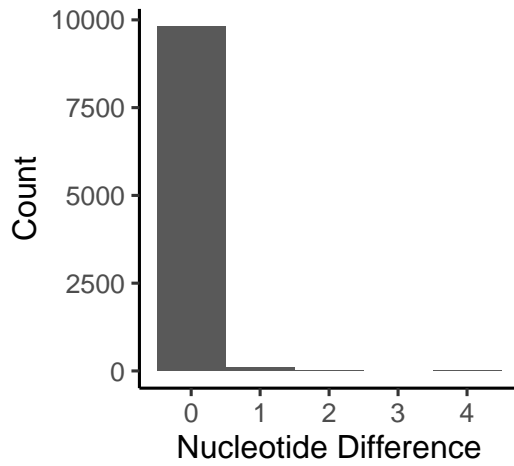
TRBV6-9*ap01

485 sequences assigned
332 (68.5%) exact matches, in which:
326 unique CDR3
13 unique J



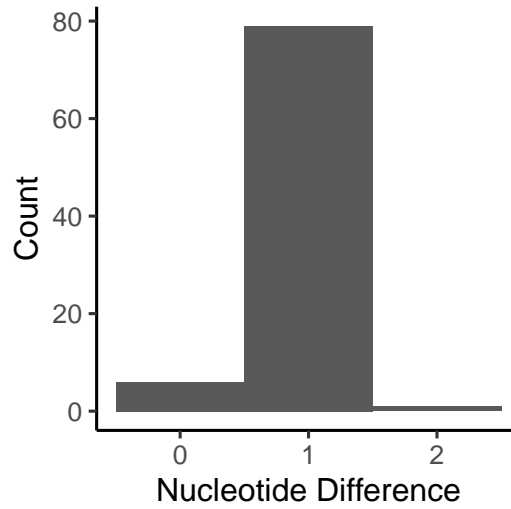
TRBV6-23*ap01

9921 sequences assigned
9821 (99%) exact matches, in which:
9595 unique CDR3
13 unique J



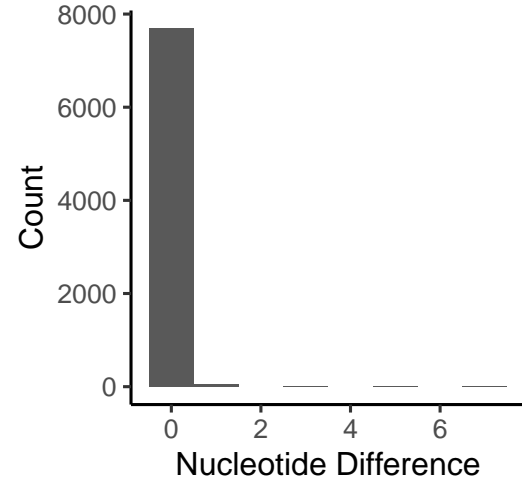
TRBV7-1*ap01_T296C

86 sequences assigned
6 (7%) exact matches, in which:
6 unique CDR3
5 unique J



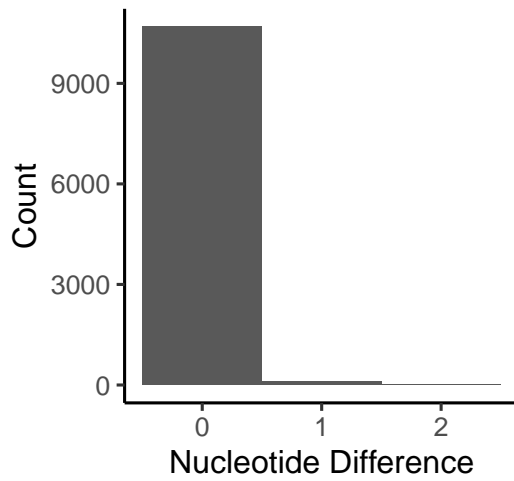
TRBV7-3*ap01

7758 sequences assigned
7692 (99.1%) exact matches, in which:
7597 unique CDR3
13 unique J



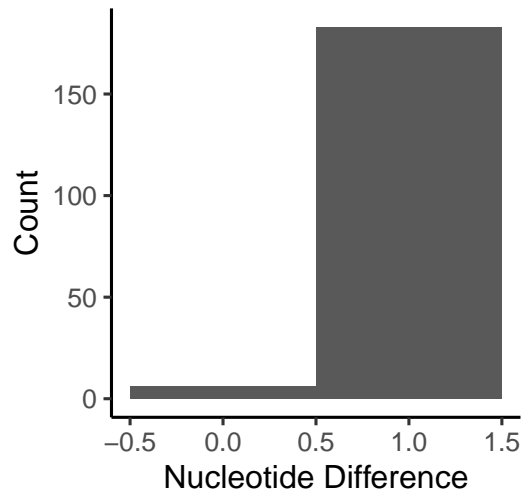
TRBV6-56*ap01

10801 sequences assigned
10690 (99%) exact matches, in which:
10434 unique CDR3
13 unique J



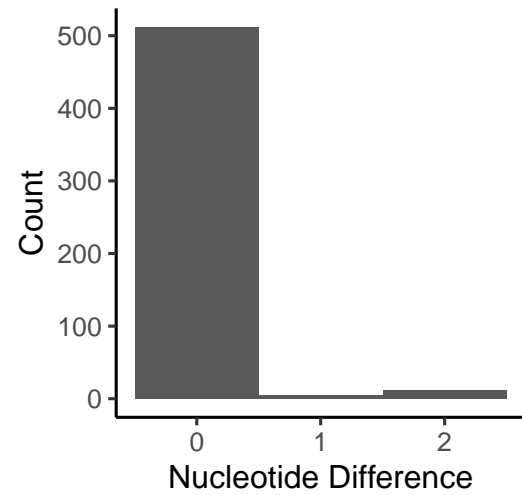
TRBV7-1*ap01_T296C_()

189 sequences assigned
6 (3.2%) exact matches, in which:
6 unique CDR3
4 unique J



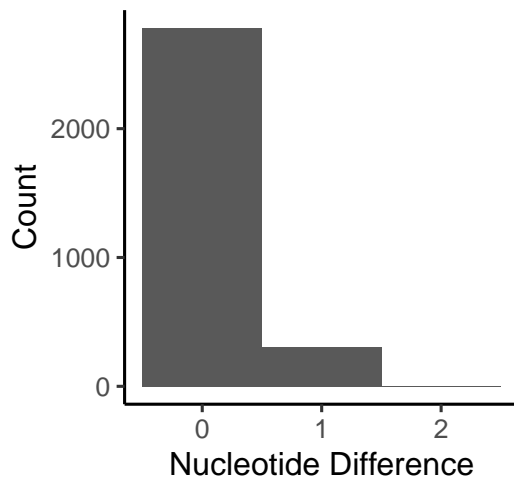
TRBV7-4*ap01

529 sequences assigned
512 (96.8%) exact matches, in which:
497 unique CDR3
13 unique J



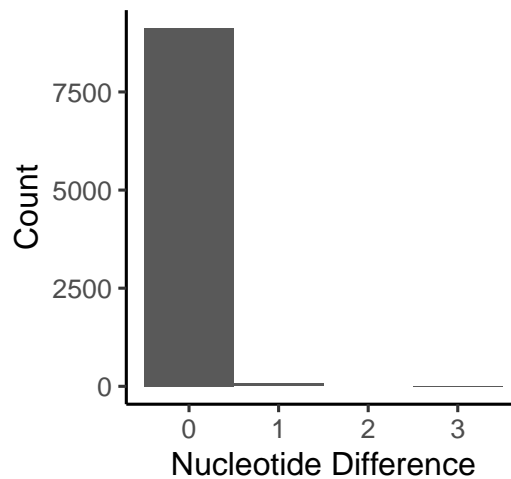
TRBV6-56*ap02

3087 sequences assigned
2781 (90.1%) exact matches, in which:
2721 unique CDR3
13 unique J



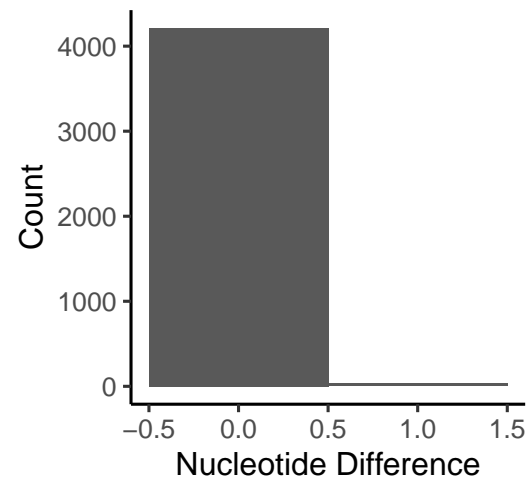
TRBV7-2*ap01

9202 sequences assigned
9128 (99.2%) exact matches, in which:
8971 unique CDR3
13 unique J



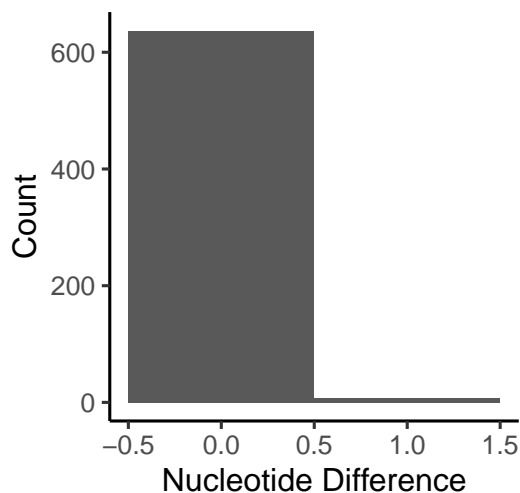
TRBV7-6*ap01

4248 sequences assigned
4213 (99.2%) exact matches, in which:
4130 unique CDR3
13 unique J



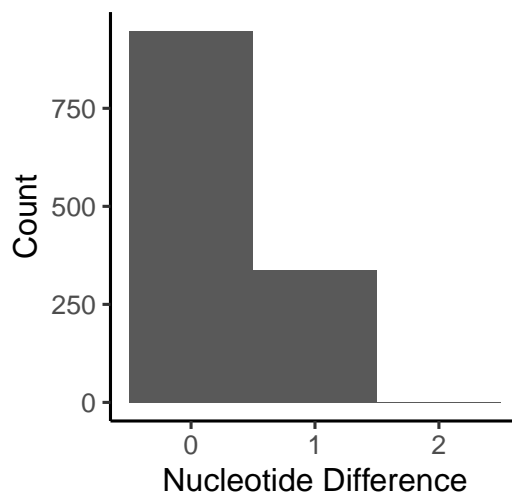
TRBV7-7*ap01

645 sequences assigned
637 (98.8%) exact matches, in which:
630 unique CDR3
13 unique J



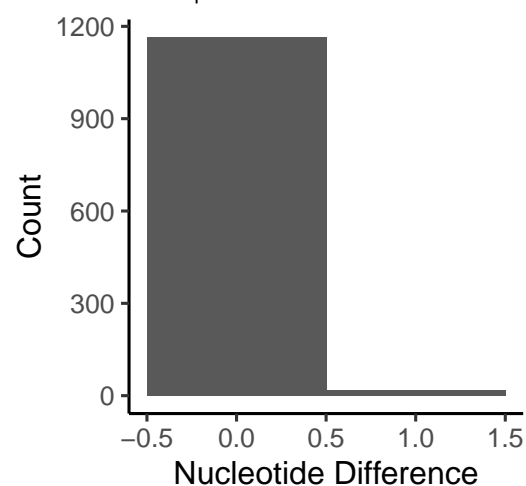
TRBV7-8*ap03

1288 sequences assigned
948 (73.6%) exact matches, in which:
929 unique CDR3
13 unique J



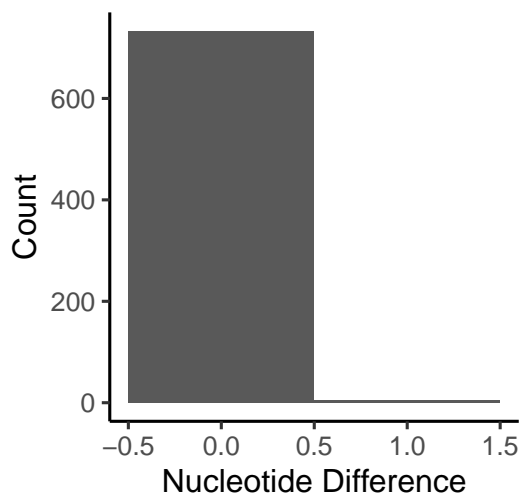
TRBV29-1*ap02

1181 sequences assigned
1164 (98.6%) exact matches, in which:
1149 unique CDR3
13 unique J



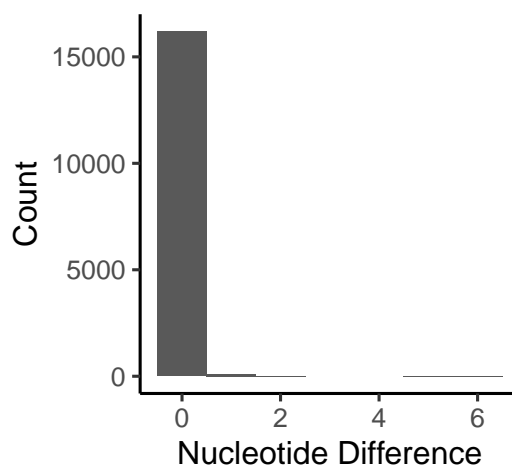
TRBV7-7*ap01_C315T

738 sequences assigned
733 (99.3%) exact matches, in which:
728 unique CDR3
13 unique J



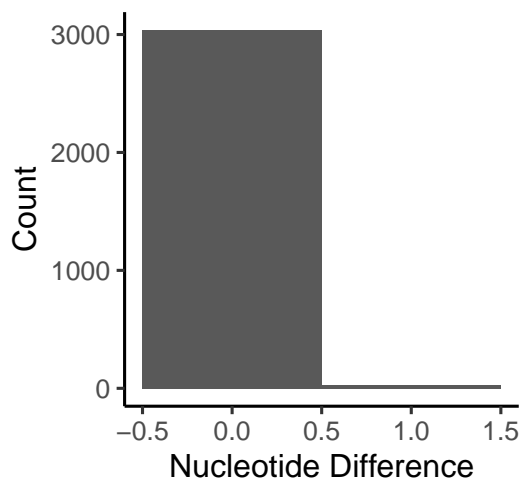
TRBV7-9*ap01

16300 sequences assigned
16192 (99.3%) exact matches, in which:
15972 unique CDR3
13 unique J



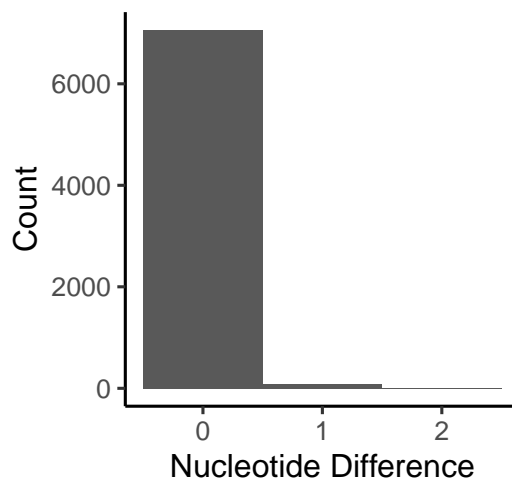
TRBV7-8*ap01

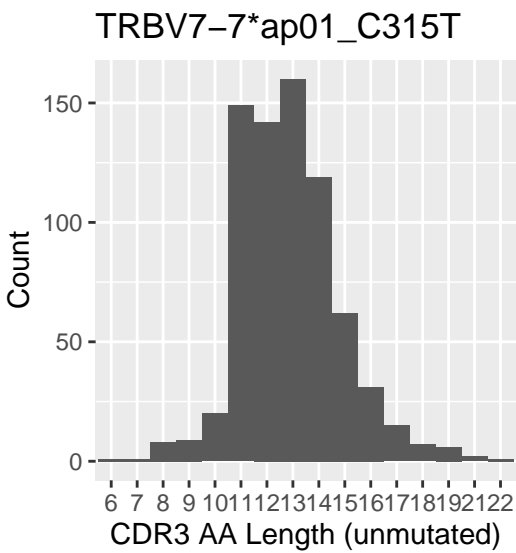
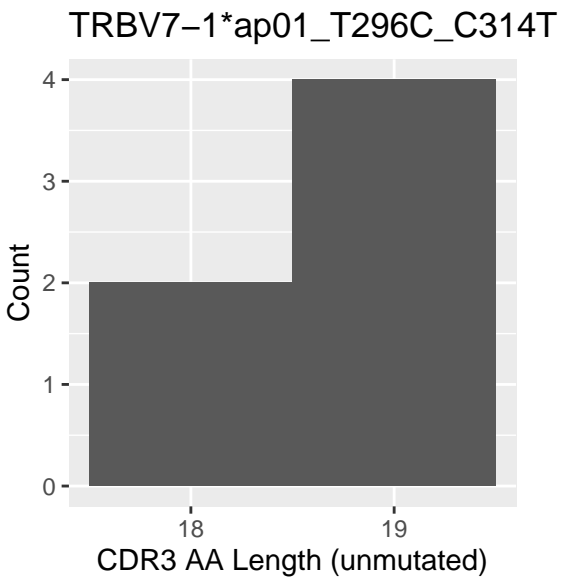
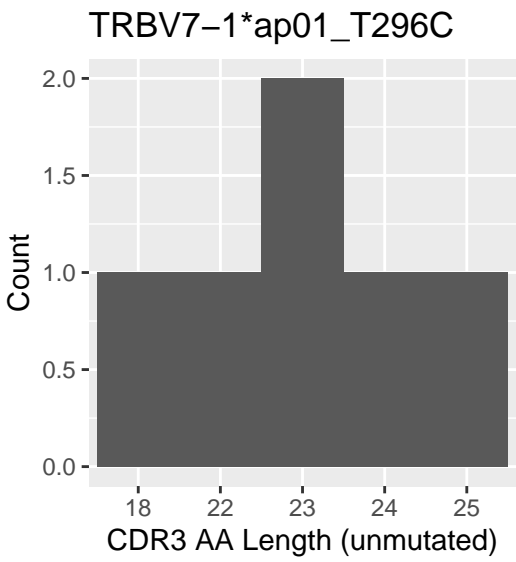
3068 sequences assigned
3038 (99%) exact matches, in which:
2971 unique CDR3
13 unique J



TRBV29-1*ap01

7148 sequences assigned
7059 (98.8%) exact matches, in which:
6909 unique CDR3
13 unique J







[illegible]