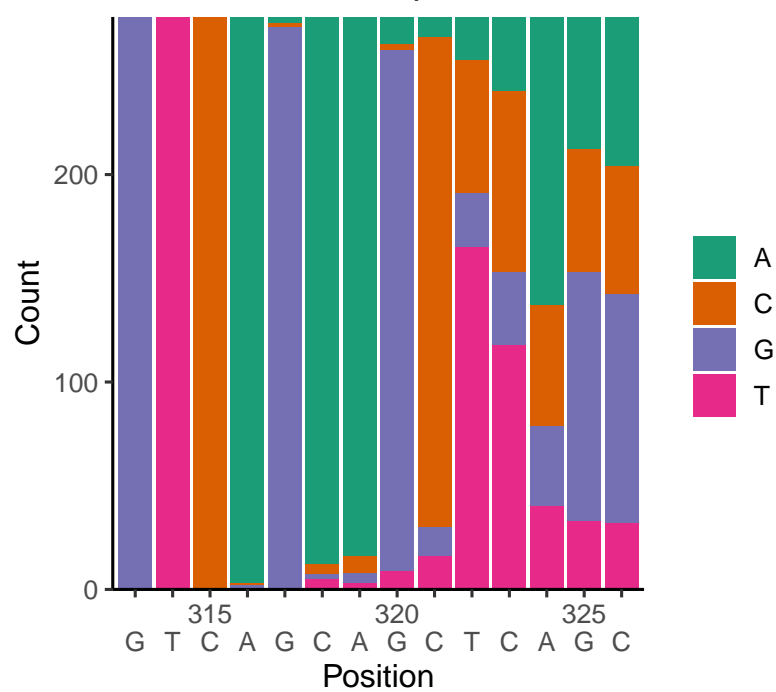
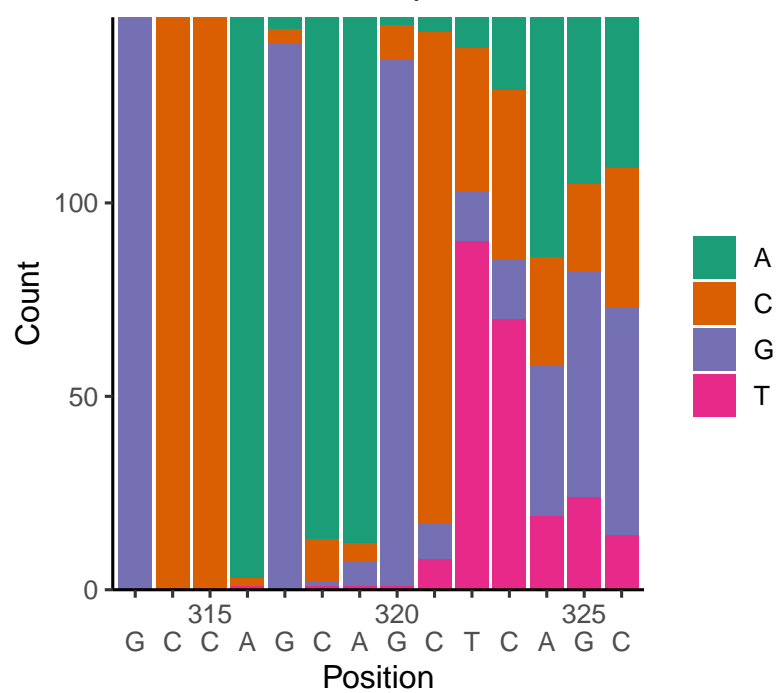


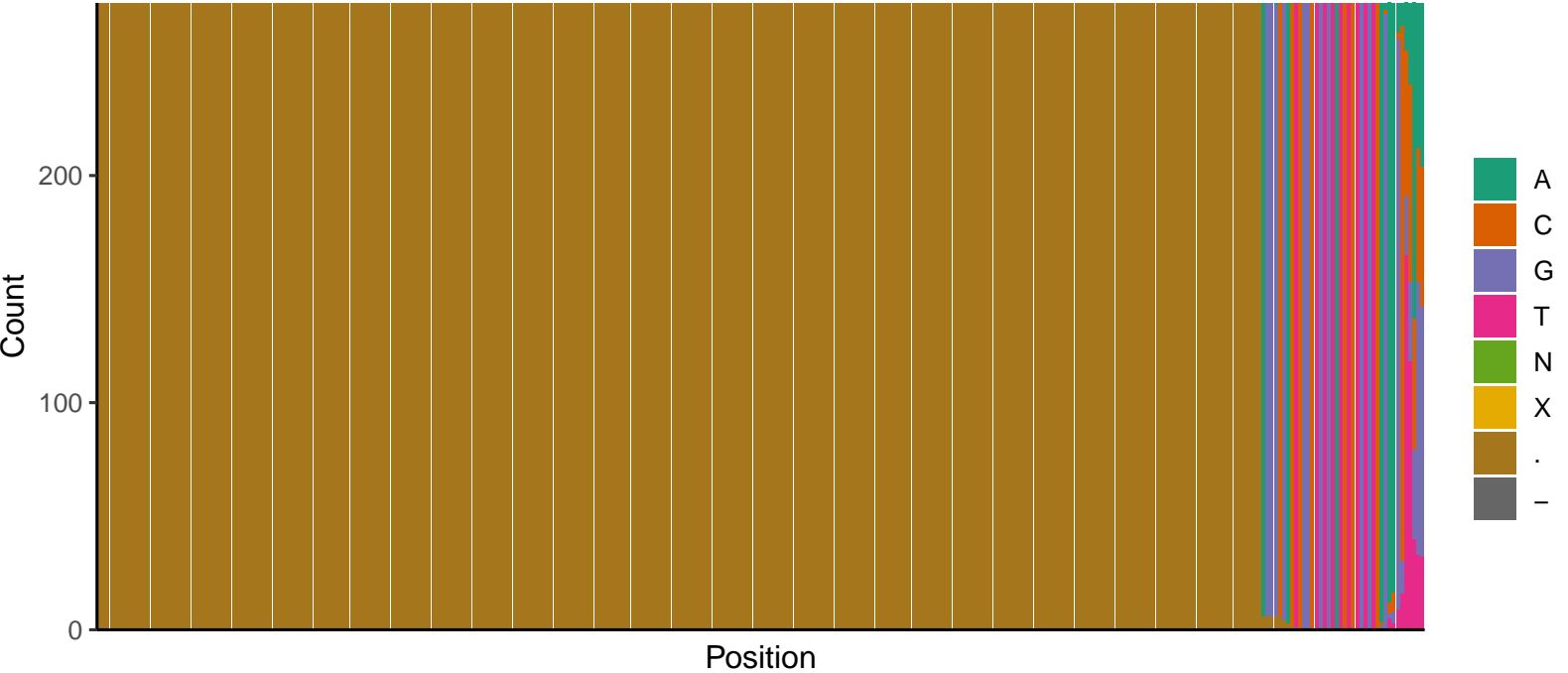
Gene TRBV7-1*ap01_G291C_T296C_C314T



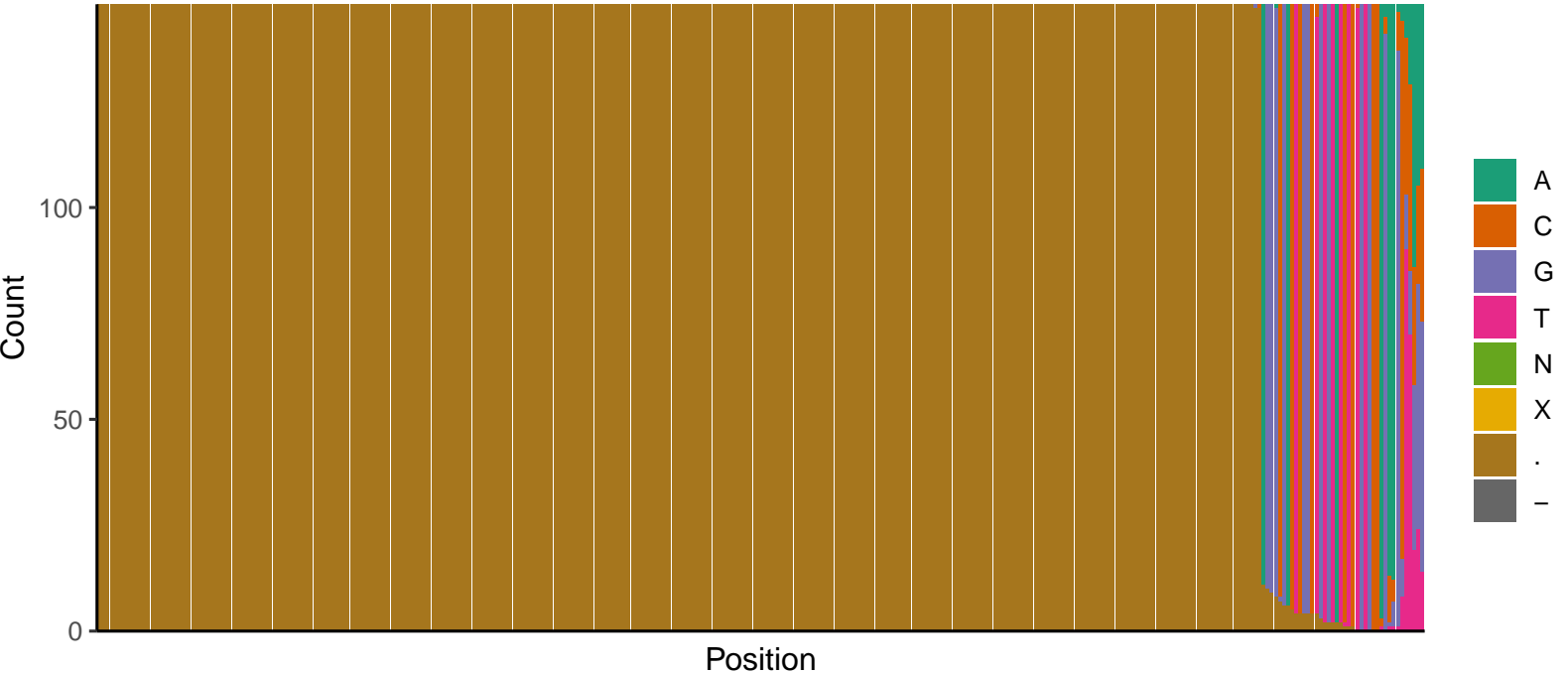
Gene TRBV7-1*ap01_G291C_T296C



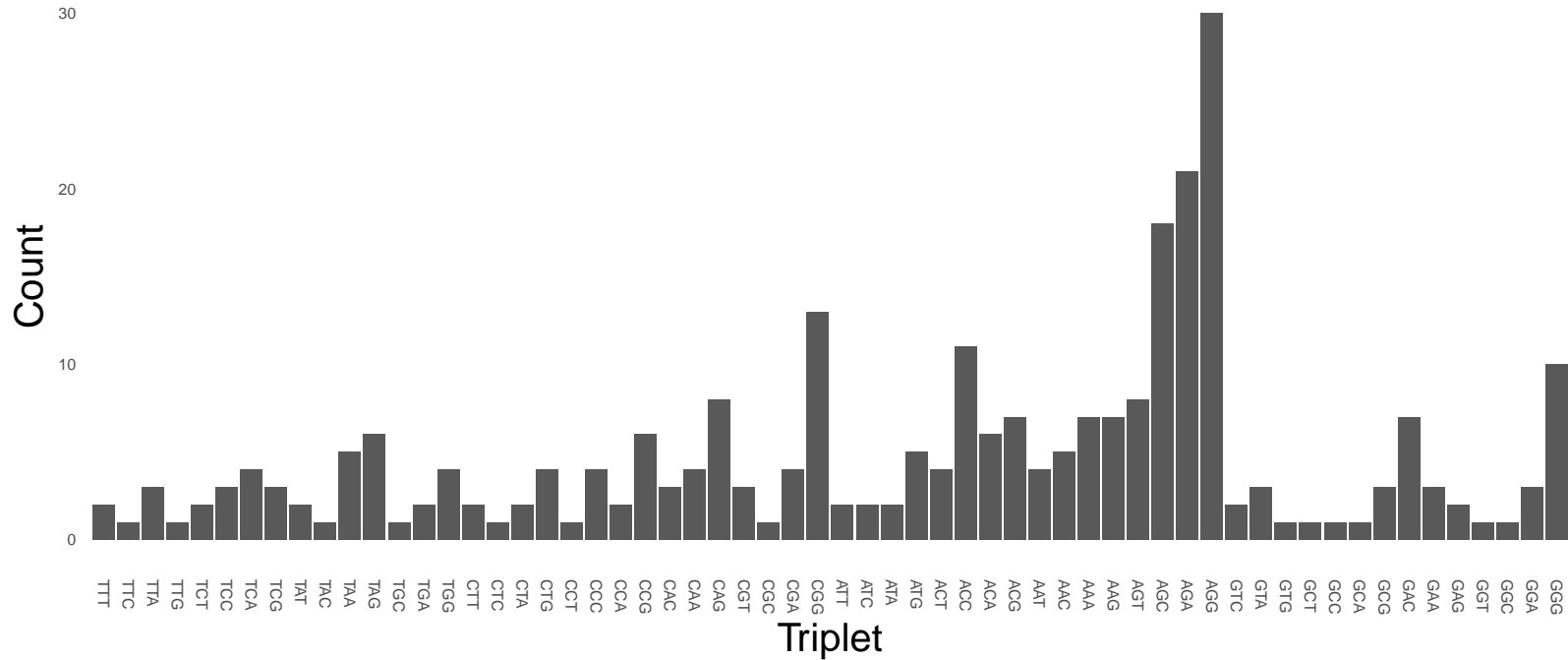
Gene TRBV7-1*ap01_G291C_T296C_C314T



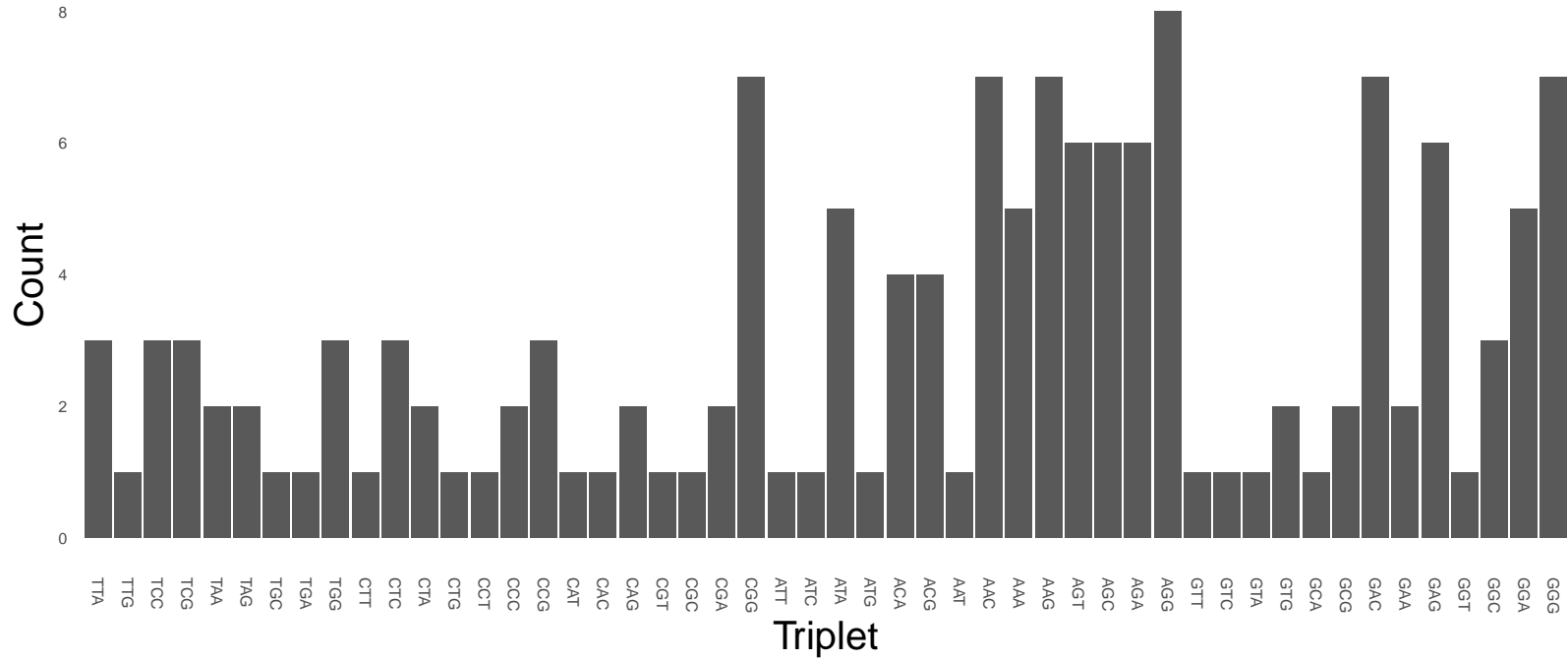
Gene TRBV7-1*ap01_G291C_T296C



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

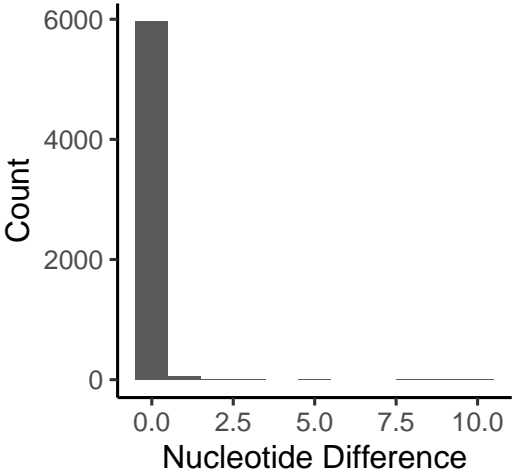


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



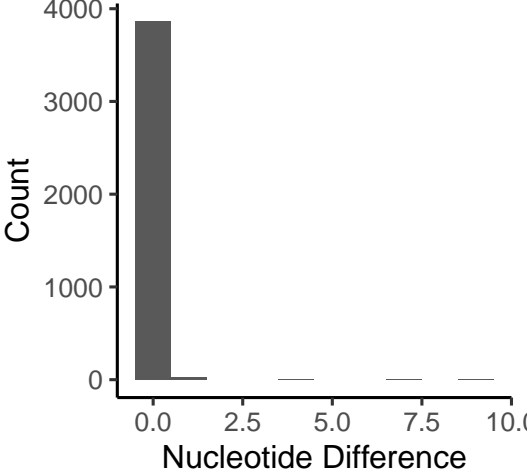
TRBV10-1*ap01

6038 sequences assigned
5964 (98.8%) exact matches, in which:
5865 unique CDR3
13 unique J



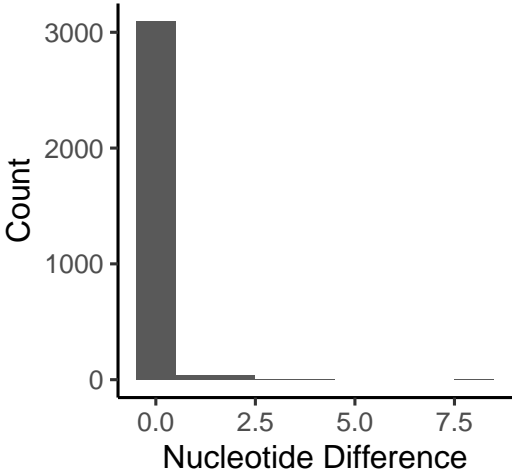
TRBV10-2*ap01

3896 sequences assigned
3863 (99.2%) exact matches, in which:
3813 unique CDR3
13 unique J



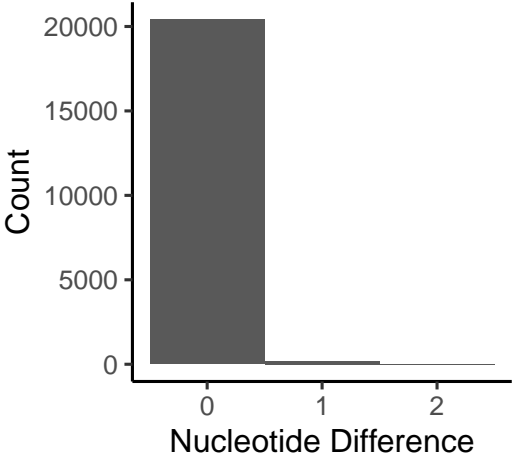
TRBV13*ap01

3176 sequences assigned
3094 (97.4%) exact matches, in which:
3023 unique CDR3
13 unique J



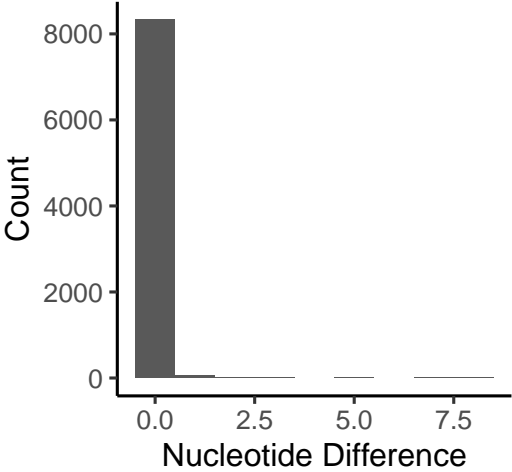
TRBV20-1*ap01

20605 sequences assigned
20415 (99.1%) exact matches, in which:
20225 unique CDR3
13 unique J



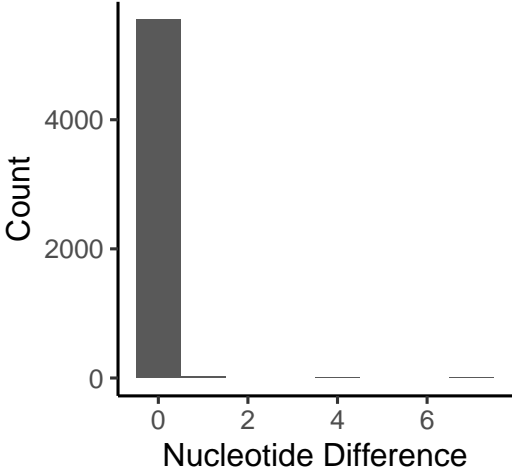
TRBV10-3*ap01

8401 sequences assigned
8329 (99.1%) exact matches, in which:
8168 unique CDR3
13 unique J



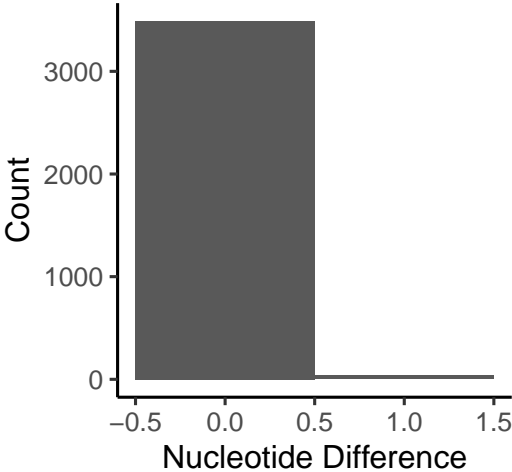
TRBV14*ap01

5577 sequences assigned
5549 (99.5%) exact matches, in which:
5497 unique CDR3
13 unique J



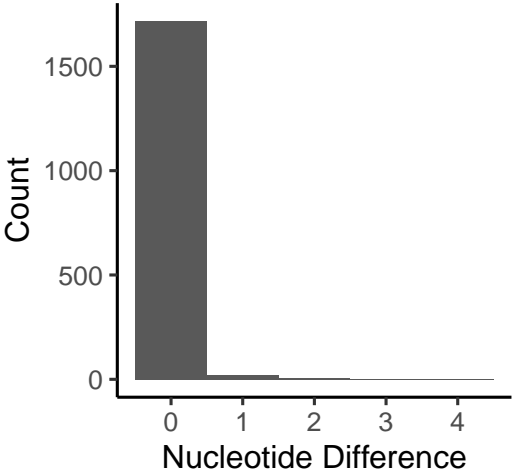
TRBV20-1*ap02

3528 sequences assigned
3490 (98.9%) exact matches, in which:
3454 unique CDR3
13 unique J



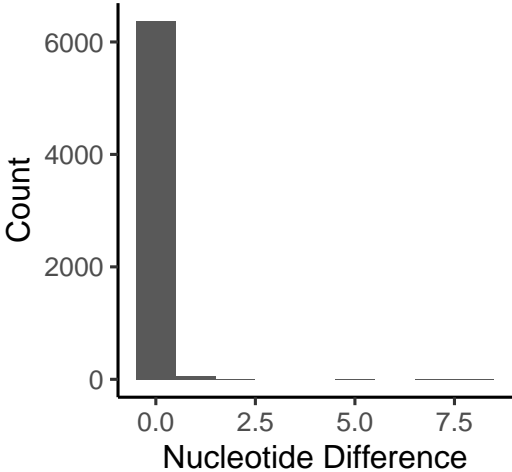
TRBV1*ap01

1748 sequences assigned
1717 (98.2%) exact matches, in which:
1674 unique CDR3
13 unique J



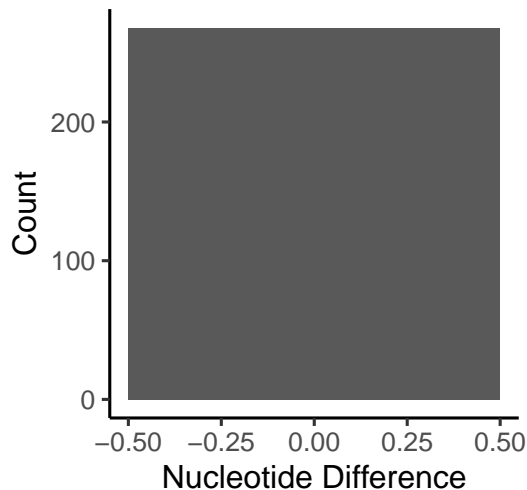
TRBV15*ap02

6435 sequences assigned
6372 (99%) exact matches, in which:
6285 unique CDR3
13 unique J



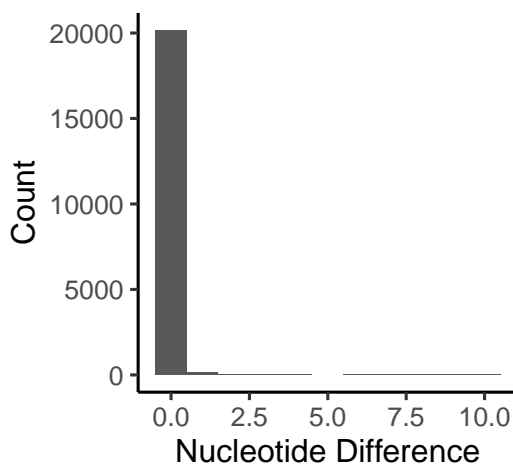
TRBV16*ap01

268 sequences assigned
268 (100%) exact matches, in which:
268 unique CDR3
13 unique J



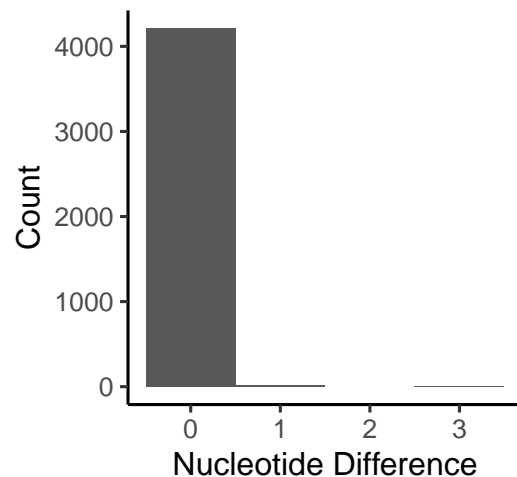
TRBV19*ap01

20312 sequences assigned
20167 (99.3%) exact matches, in which:
20089 unique CDR3
13 unique J



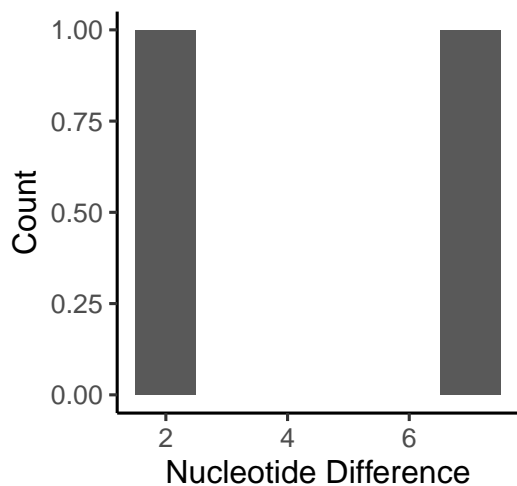
TRBV28*ap01

4229 sequences assigned
4211 (99.6%) exact matches, in which:
4174 unique CDR3
13 unique J



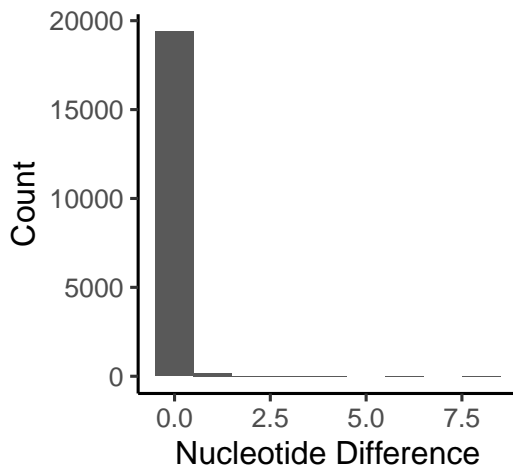
TRBV17*ap01

2 sequences assigned
No exact matches.



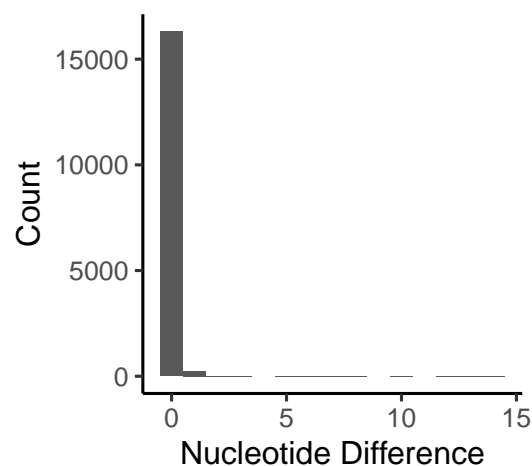
TRBV2*ap01

19592 sequences assigned
19393 (99%) exact matches, in which:
19018 unique CDR3
13 unique J



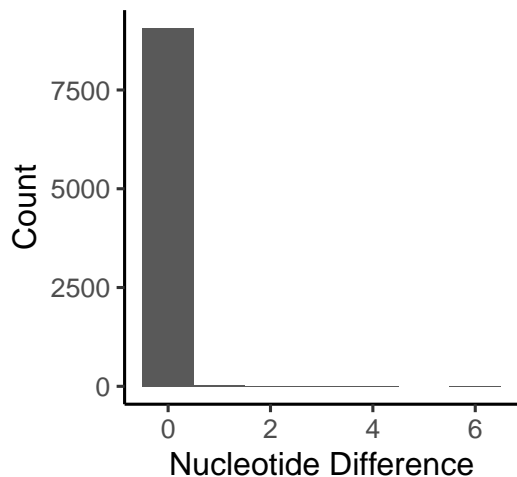
TRBV30*ap02

16567 sequences assigned
16310 (98.4%) exact matches, in which:
15958 unique CDR3
13 unique J



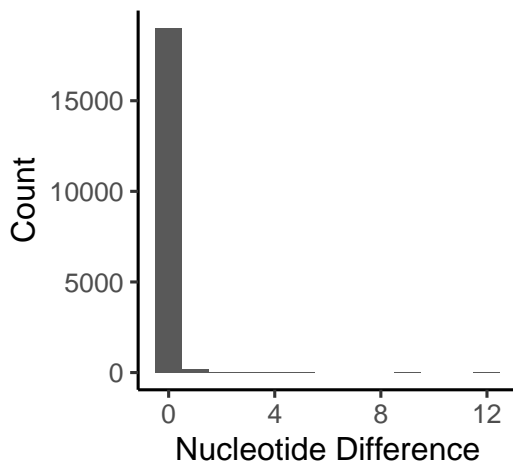
TRBV18*ap01

9112 sequences assigned
9067 (99.5%) exact matches, in which:
9043 unique CDR3
13 unique J



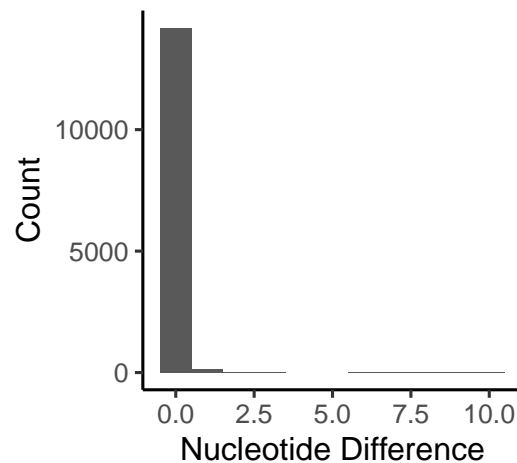
TRBV27*ap01

19258 sequences assigned
19025 (98.8%) exact matches, in which:
18657 unique CDR3
13 unique J



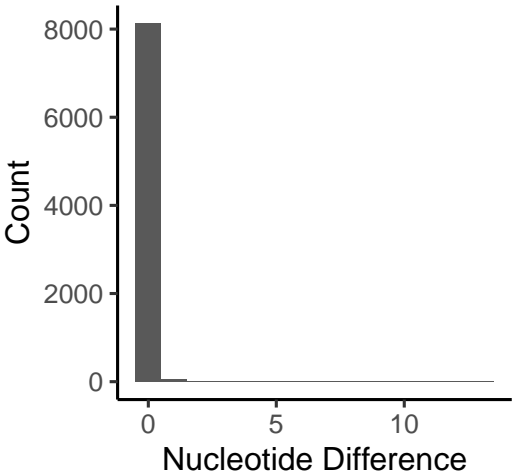
TRBV9*ap01

14333 sequences assigned
14193 (99%) exact matches, in which:
14056 unique CDR3
13 unique J



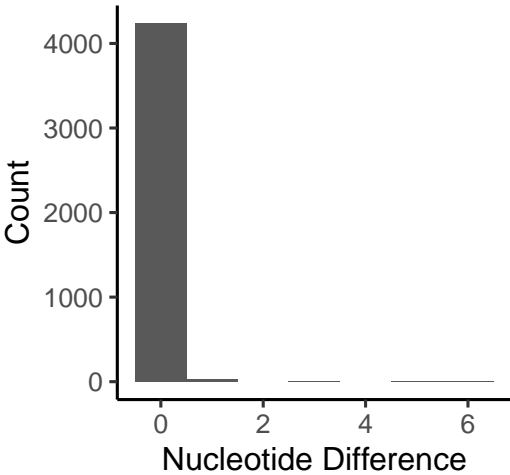
TRBV21-1*ap01

8222 sequences assigned
8129 (98.9%) exact matches, in which:
8088 unique CDR3
13 unique J



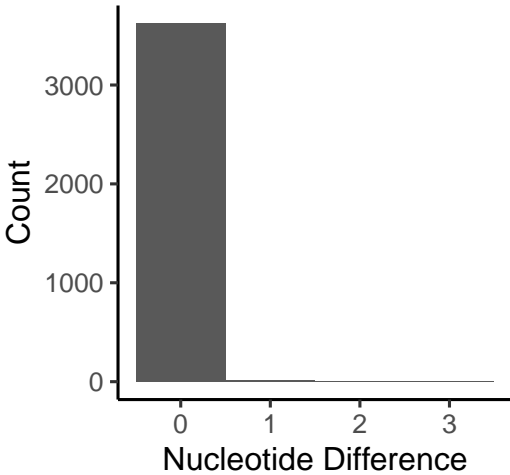
TRBV11-3*ap01

4265 sequences assigned
4237 (99.3%) exact matches, in which:
4213 unique CDR3
13 unique J



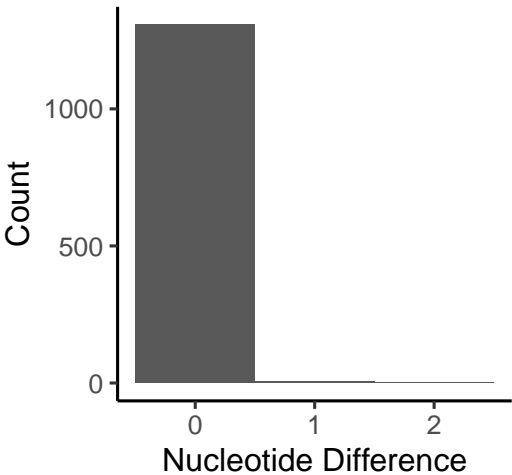
TRBV12-5*ap01

3639 sequences assigned
3623 (99.6%) exact matches, in which:
3584 unique CDR3
13 unique J



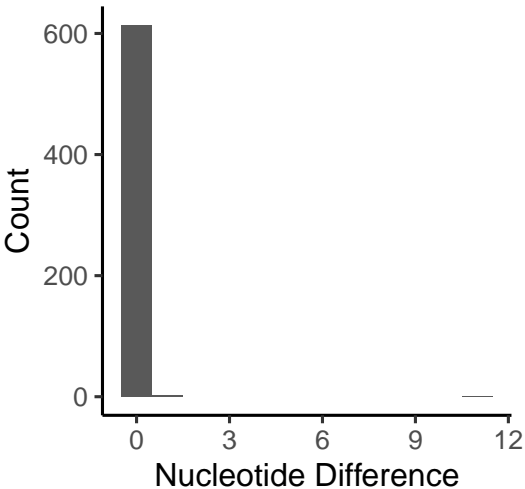
TRBV11-1*ap01

1314 sequences assigned
1307 (99.5%) exact matches, in which:
1296 unique CDR3
13 unique J



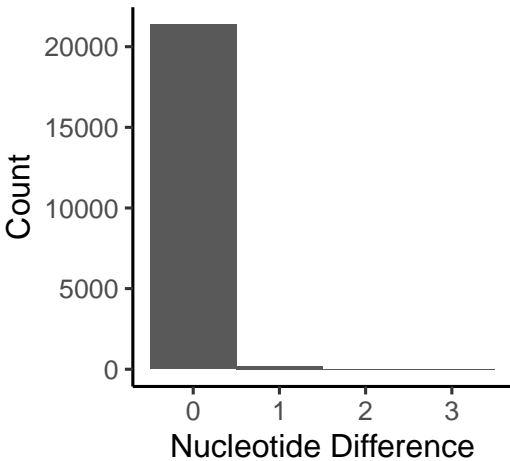
TRBV12-1*ap01

617 sequences assigned
614 (99.5%) exact matches, in which:
608 unique CDR3
13 unique J



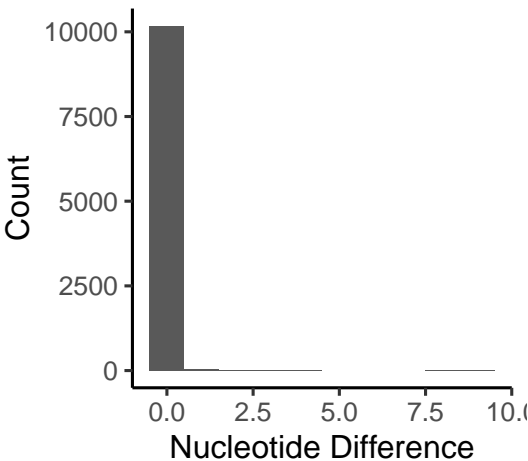
TRBV12-34*ap01

21580 sequences assigned
21378 (99.1%) exact matches, in which:
21093 unique CDR3
13 unique J



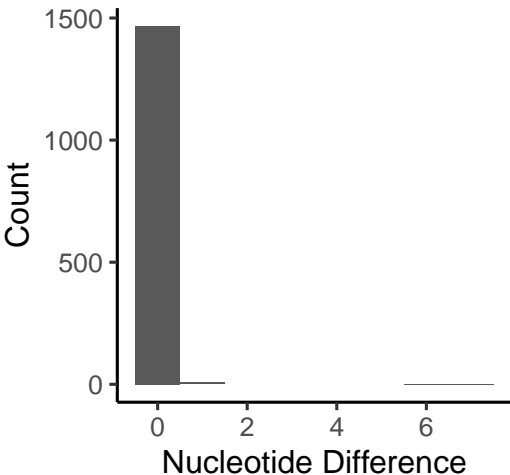
TRBV11-2*ap01

10235 sequences assigned
10178 (99.4%) exact matches, in which:
10097 unique CDR3
13 unique J



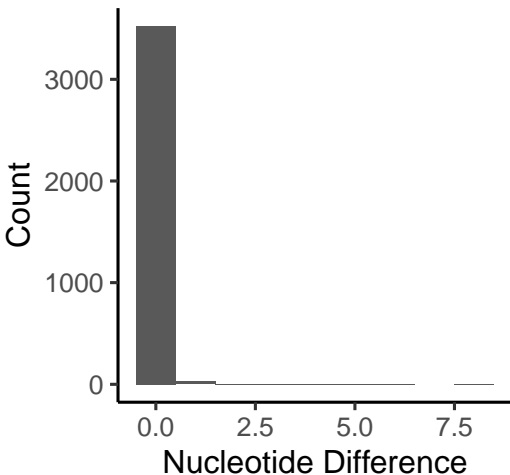
TRBV12-2*ap01

1478 sequences assigned
1467 (99.3%) exact matches, in which:
1456 unique CDR3
13 unique J



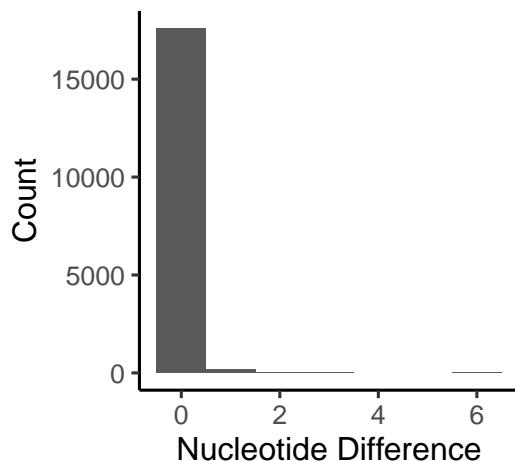
TRBV23-1*ap01

3561 sequences assigned
3524 (99%) exact matches, in which:
3494 unique CDR3
13 unique J



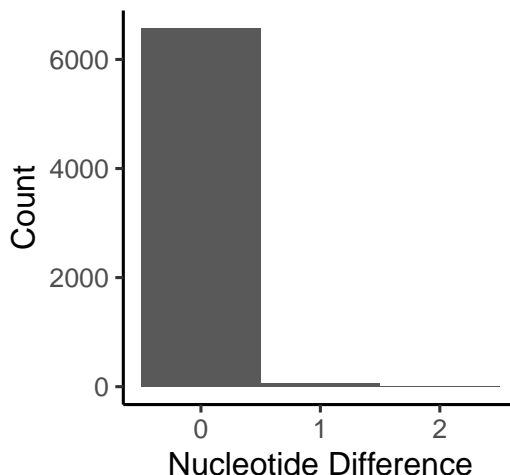
TRBV3-12*ap01

17801 sequences assigned
17603 (98.9%) exact matches, in which:
17290 unique CDR3
13 unique J



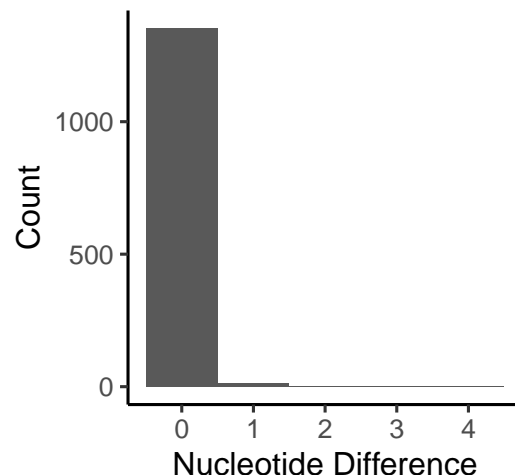
TRBV4-2*ap01

6636 sequences assigned
6569 (99%) exact matches, in which:
6433 unique CDR3
13 unique J



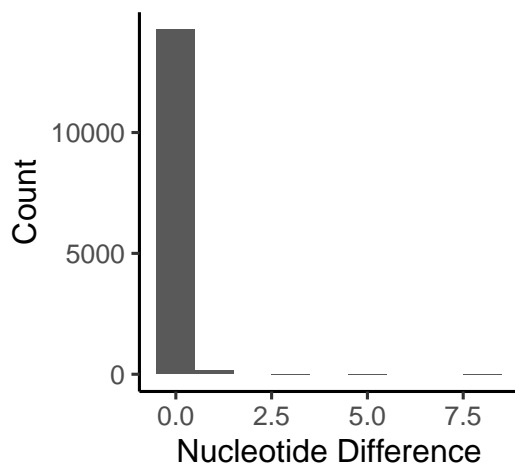
TRBV5-3*ap01

1370 sequences assigned
1352 (98.7%) exact matches, in which:
1344 unique CDR3
13 unique J



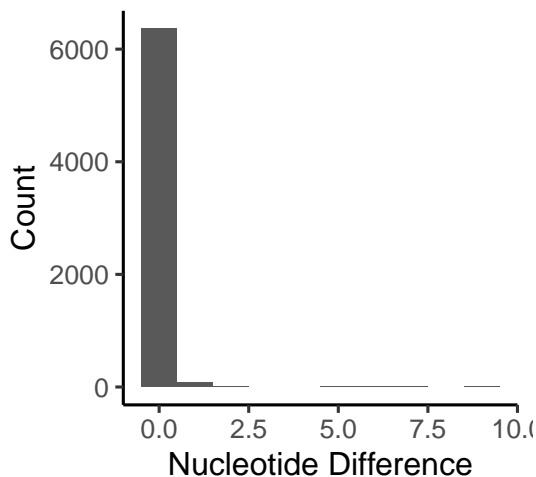
TRBV4-1*ap01

14427 sequences assigned
14263 (98.9%) exact matches, in which:
13957 unique CDR3
13 unique J



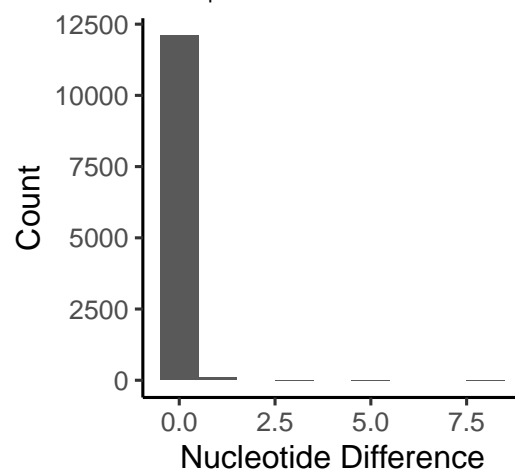
TRBV25-1*ap01

6441 sequences assigned
6363 (98.8%) exact matches, in which:
6198 unique CDR3
13 unique J



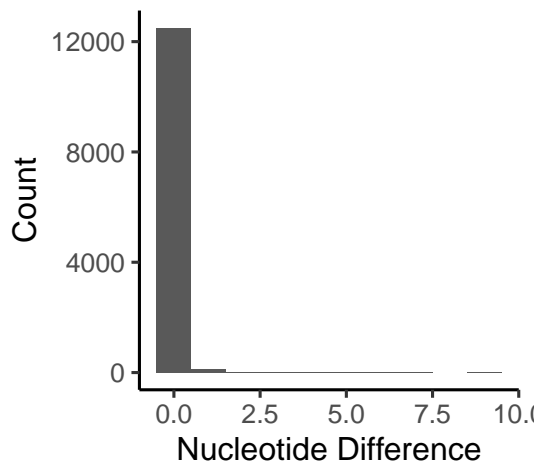
TRBV5-4*ap01

12212 sequences assigned
12103 (99.1%) exact matches, in which:
11912 unique CDR3
13 unique J



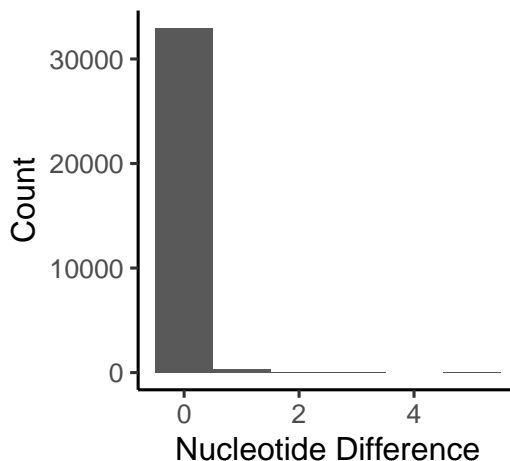
TRBV24-1*ap01

12661 sequences assigned
12502 (98.7%) exact matches, in which:
12283 unique CDR3
13 unique J



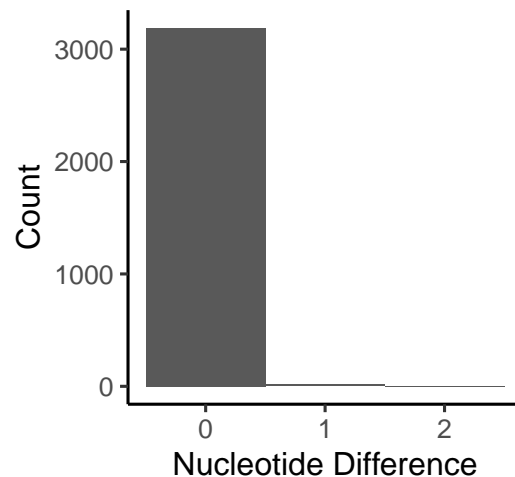
TRBV5-1*ap01

33339 sequences assigned
32983 (98.9%) exact matches, in which:
32284 unique CDR3
13 unique J



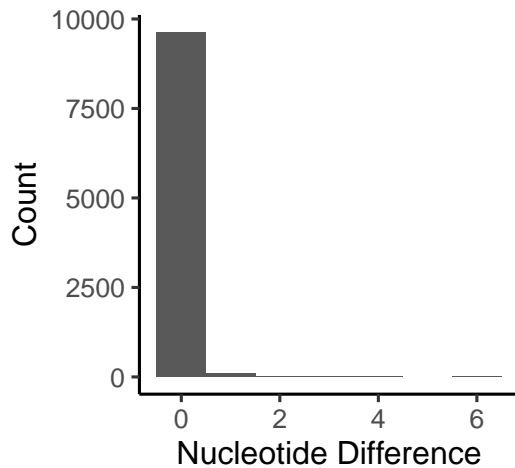
TRBV5-5*ap01

3206 sequences assigned
3188 (99.4%) exact matches, in which:
3170 unique CDR3
13 unique J



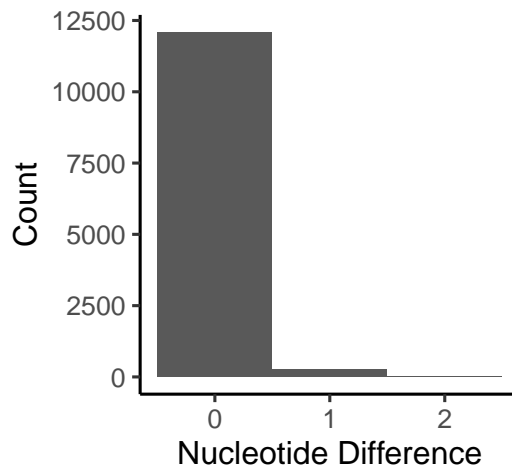
TRBV5-6*ap01

9750 sequences assigned
9632 (98.8%) exact matches, in which:
9385 unique CDR3
13 unique J



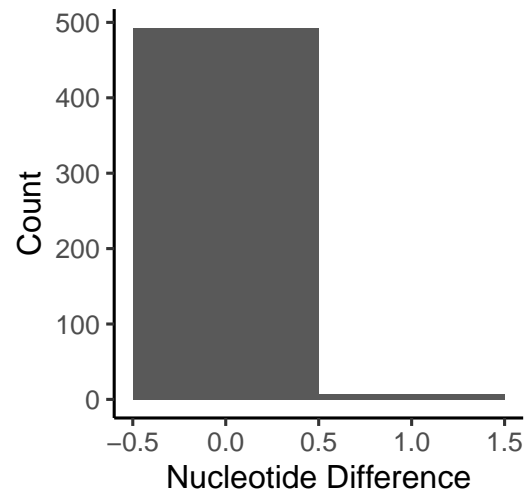
TRBV6-1*ap01

12355 sequences assigned
12091 (97.9%) exact matches, in which:
11864 unique CDR3
13 unique J



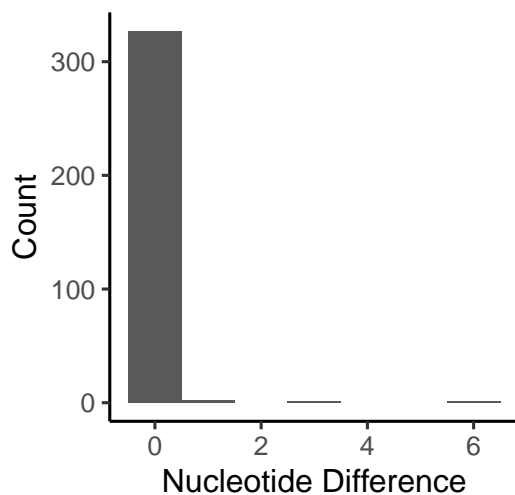
TRBV6-8*ap01

500 sequences assigned
493 (98.6%) exact matches, in which:
480 unique CDR3
13 unique J



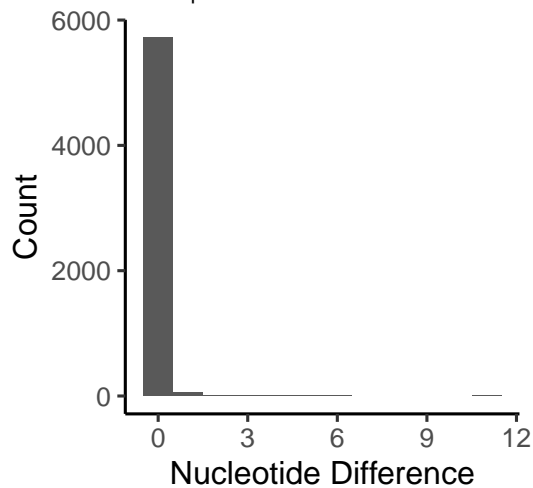
TRBV5-7*ap01

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



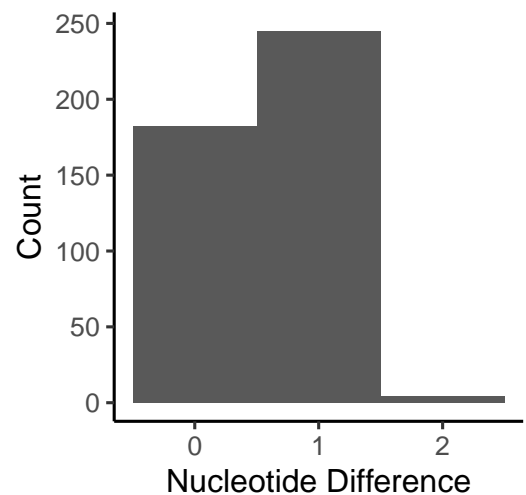
TRBV6-4*ap01

5801 sequences assigned
5718 (98.6%) exact matches, in which:
5677 unique CDR3
13 unique J



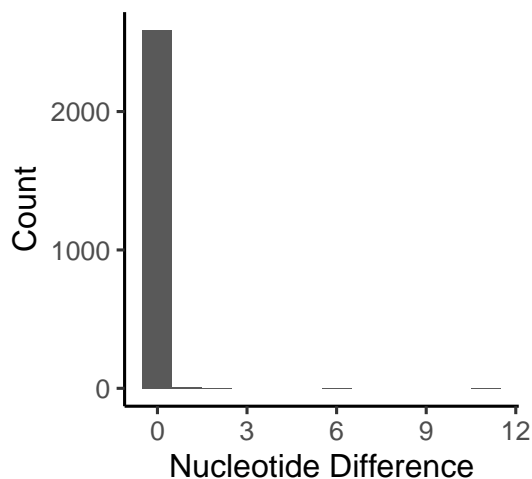
TRBV6-9*ap01

431 sequences assigned
182 (42.2%) exact matches, in which:
181 unique CDR3
13 unique J



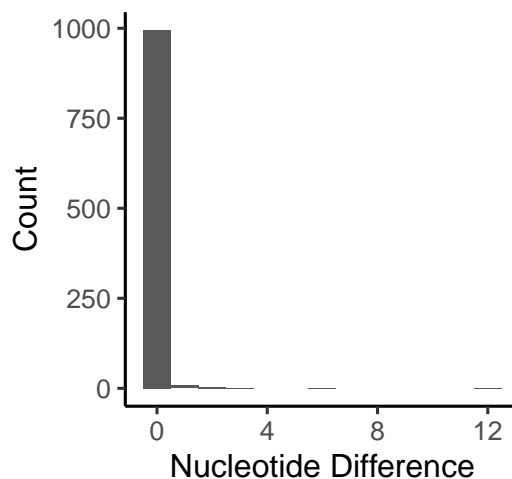
TRBV5-8*ap01

2604 sequences assigned
2589 (99.4%) exact matches, in which:
2574 unique CDR3
13 unique J



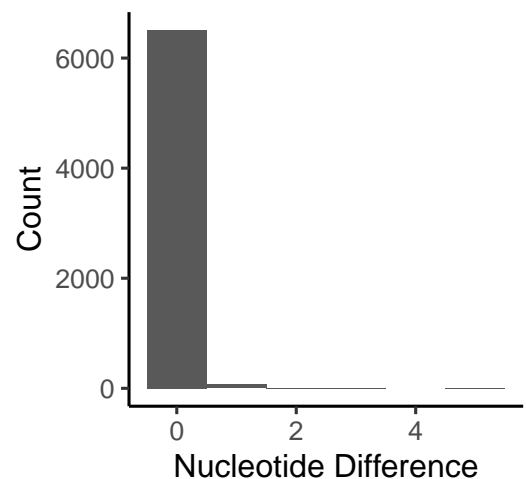
TRBV6-7*ap01

1009 sequences assigned
995 (98.6%) exact matches, in which:
981 unique CDR3
13 unique J



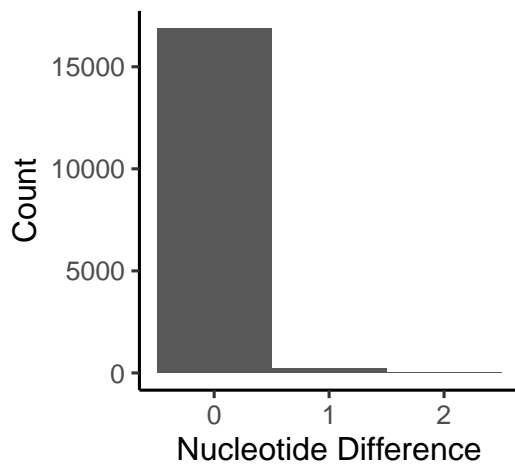
TRBV6-23*ap01

6579 sequences assigned
6509 (98.9%) exact matches, in which:
6345 unique CDR3
13 unique J



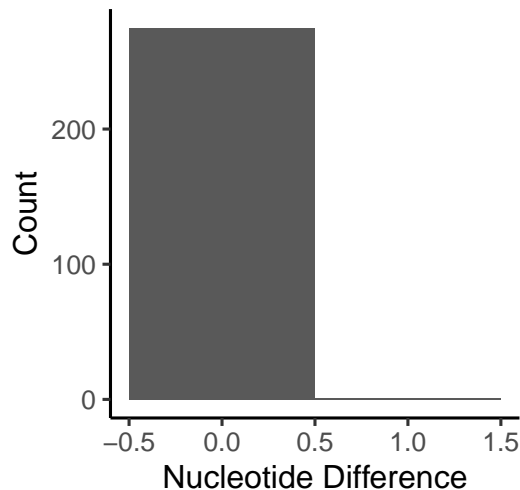
TRBV6-56*ap01

17095 sequences assigned
16892 (98.8%) exact matches, in which:
16520 unique CDR3
13 unique J



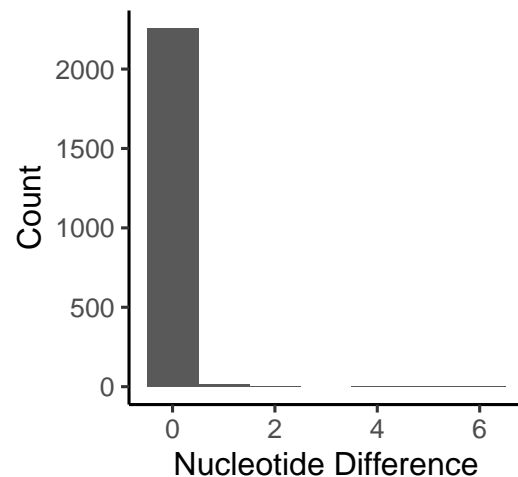
TRBV7-1*ap01_G291C_

276 sequences assigned
275 (99.6%) exact matches, in which:
274 unique CDR3
12 unique J



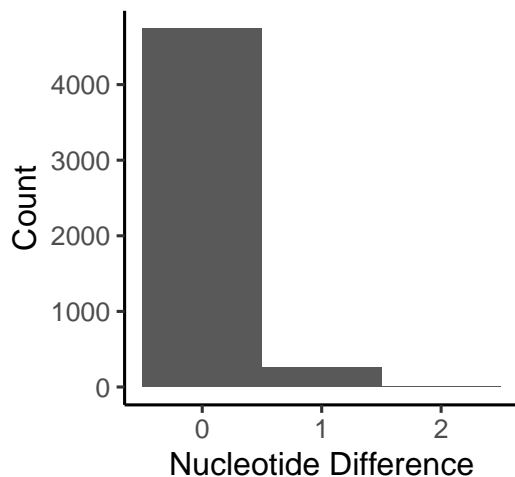
TRBV7-3*ap03

2276 sequences assigned
2256 (99.1%) exact matches, in which:
2228 unique CDR3
13 unique J



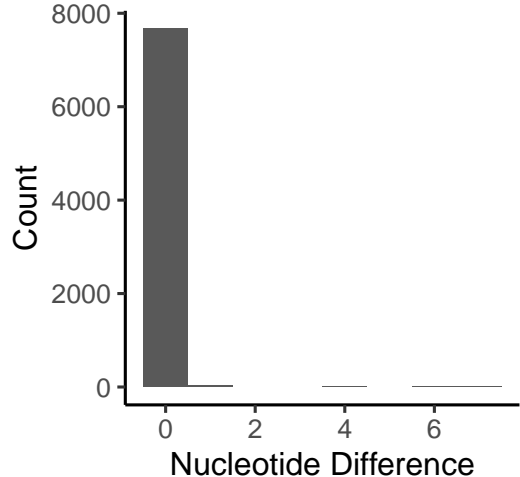
TRBV6-56*ap02

5001 sequences assigned
4739 (94.8%) exact matches, in which:
4639 unique CDR3
13 unique J



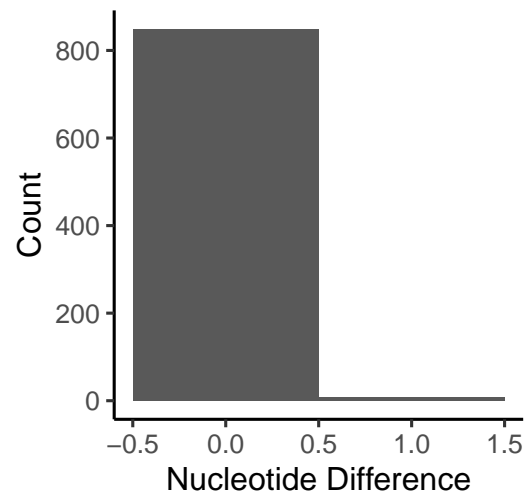
TRBV7-2*ap01

7705 sequences assigned
7669 (99.5%) exact matches, in which:
7608 unique CDR3
13 unique J



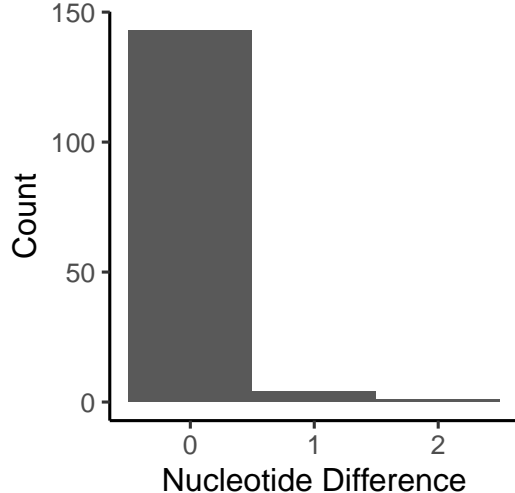
TRBV7-4*ap01

858 sequences assigned
849 (99%) exact matches, in which:
838 unique CDR3
13 unique J



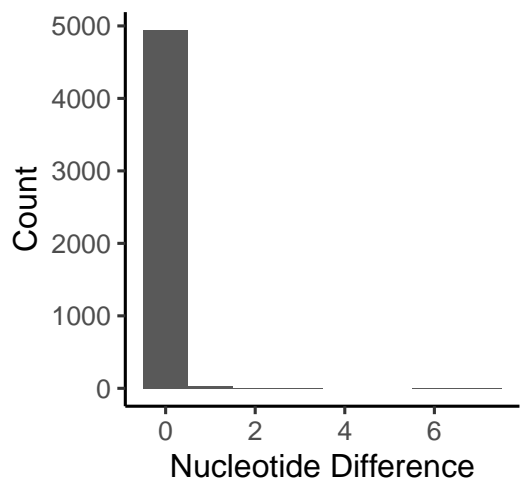
TRBV7-1*ap01_G291C_

148 sequences assigned
143 (96.6%) exact matches, in which:
140 unique CDR3
12 unique J



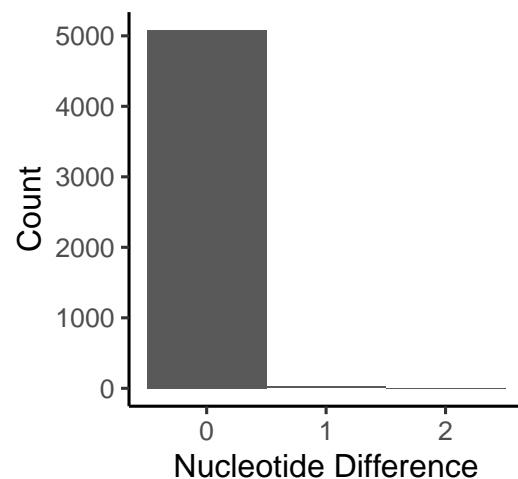
TRBV7-3*ap01

4987 sequences assigned
4943 (99.1%) exact matches, in which:
4922 unique CDR3
13 unique J



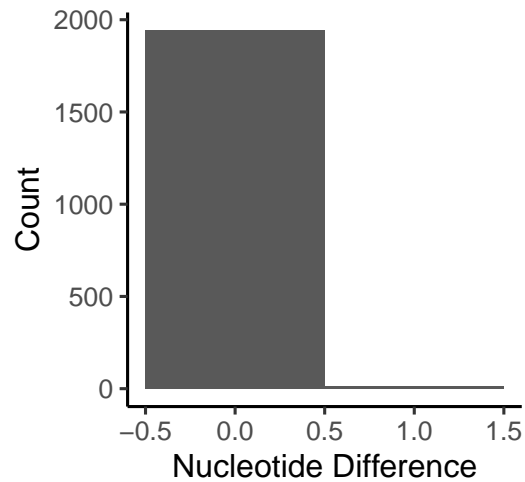
TRBV7-6*ap01

5111 sequences assigned
5082 (99.4%) exact matches, in which:
5013 unique CDR3
13 unique J



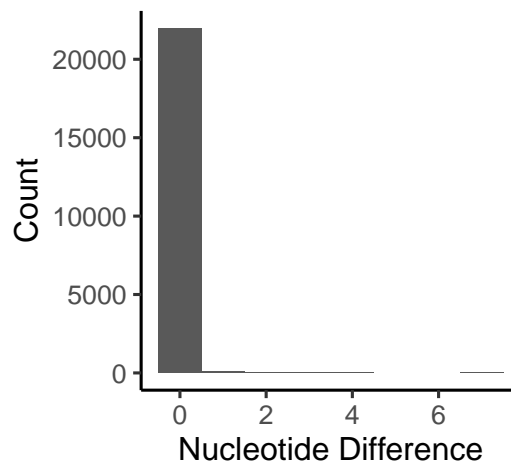
TRBV7-7*ap01

1954 sequences assigned
1942 (99.4%) exact matches, in which:
1913 unique CDR3
13 unique J



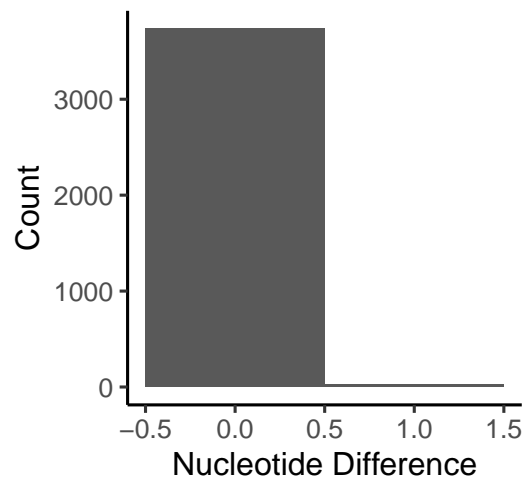
TRBV7-9*ap01

22116 sequences assigned
21985 (99.4%) exact matches, in which:
21778 unique CDR3
13 unique J



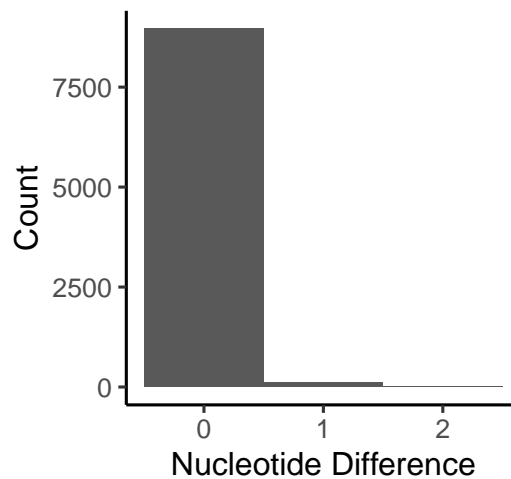
TRBV7-8*ap01

3761 sequences assigned
3735 (99.3%) exact matches, in which:
3689 unique CDR3
13 unique J



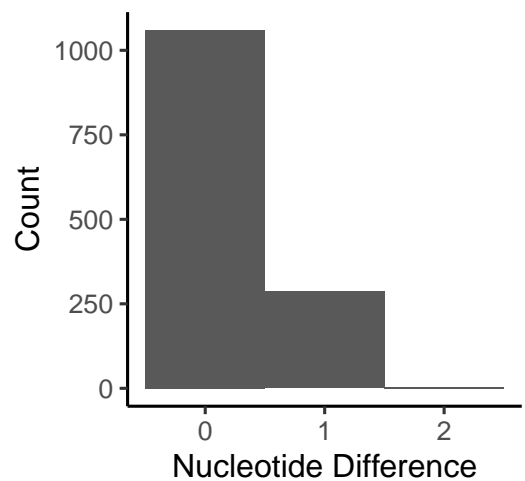
TRBV29-1*ap01

9074 sequences assigned
8961 (98.8%) exact matches, in which:
8718 unique CDR3
13 unique J



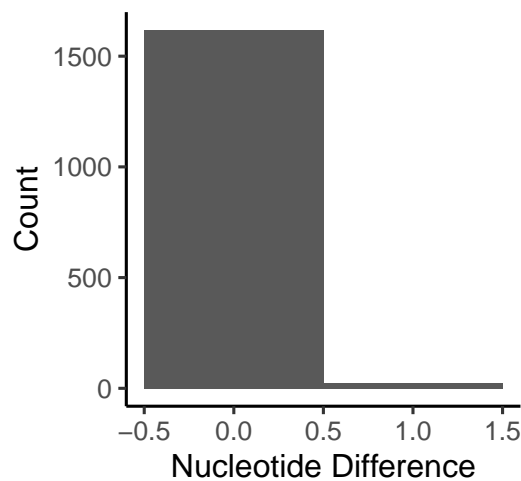
TRBV7-8*ap03

1350 sequences assigned
1060 (78.5%) exact matches, in which:
1045 unique CDR3
13 unique J

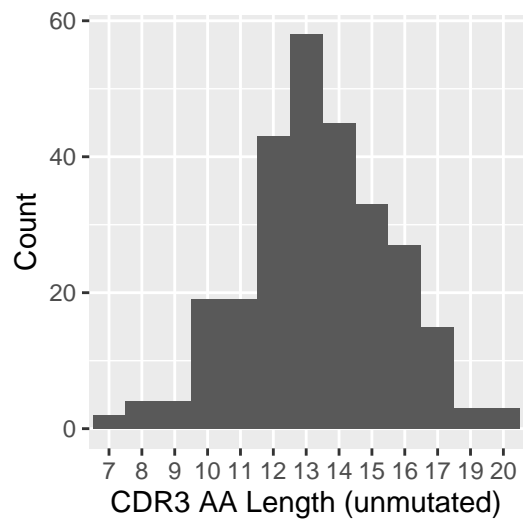


TRBV29-1*ap02

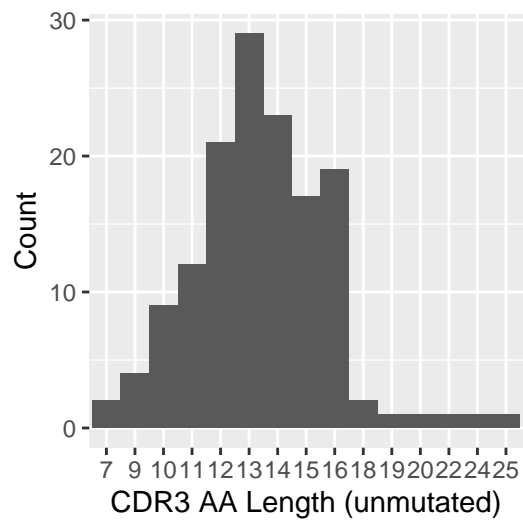
1643 sequences assigned
1618 (98.5%) exact matches, in which:
1574 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C





[illegible]