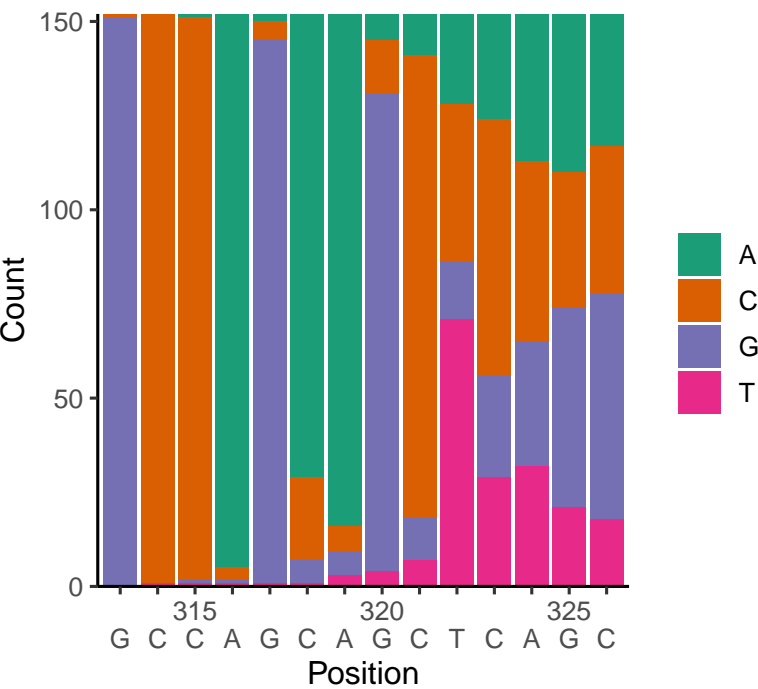
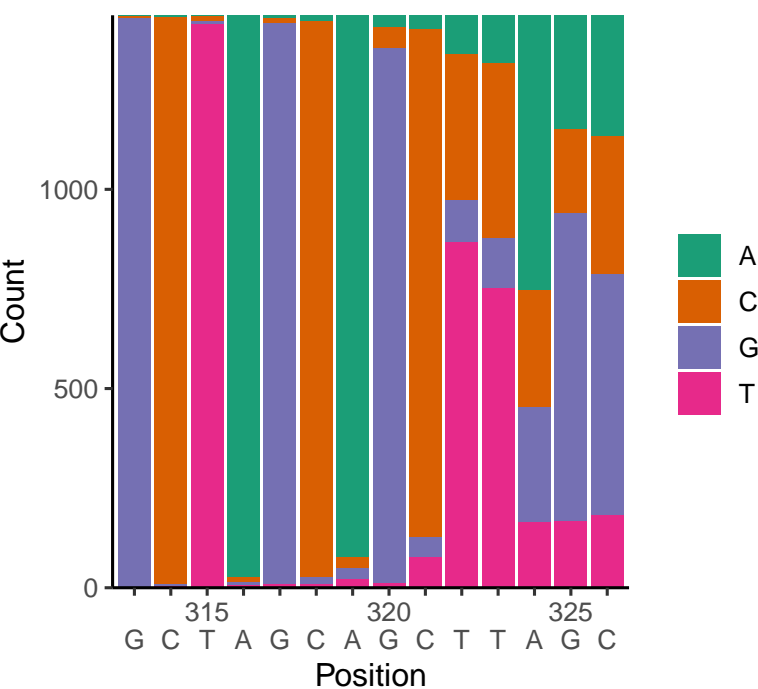


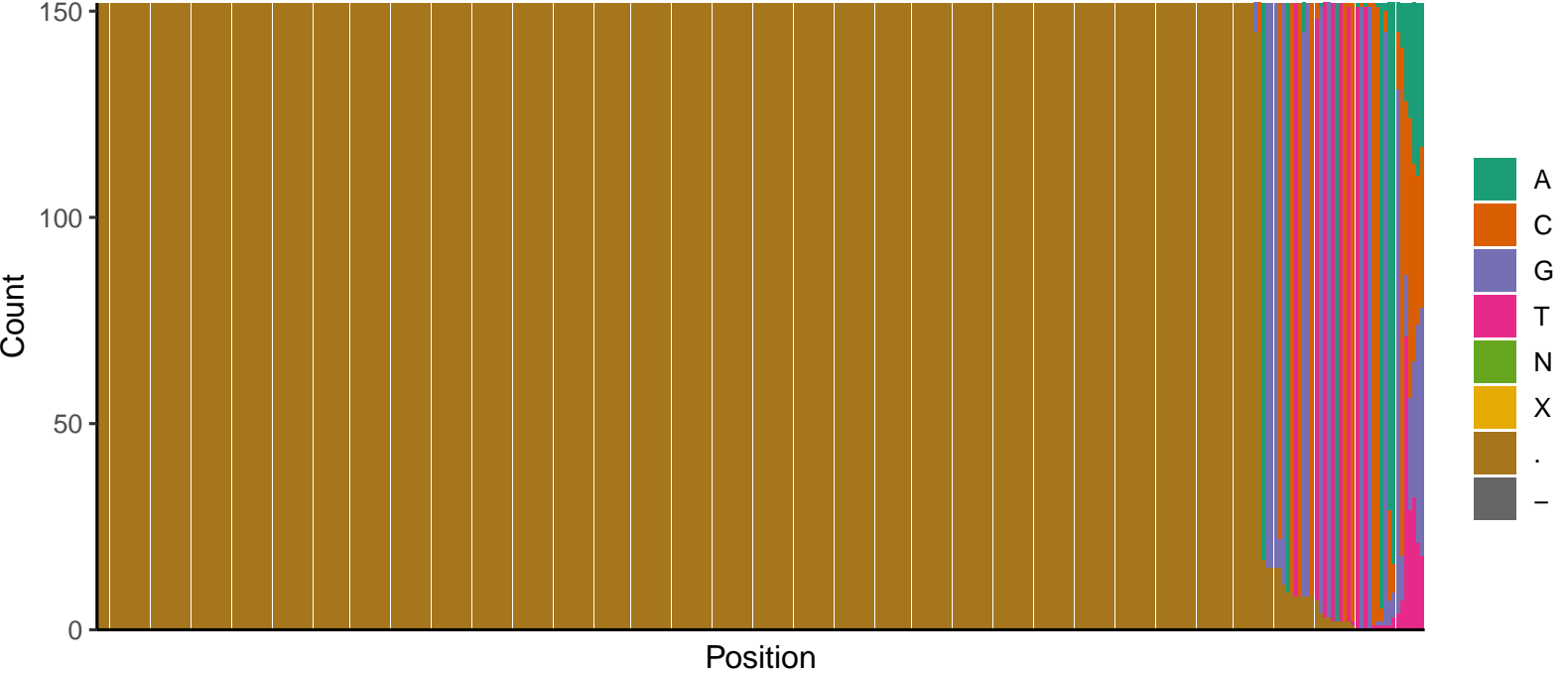
Gene TRBV7-1*ap01_T296C



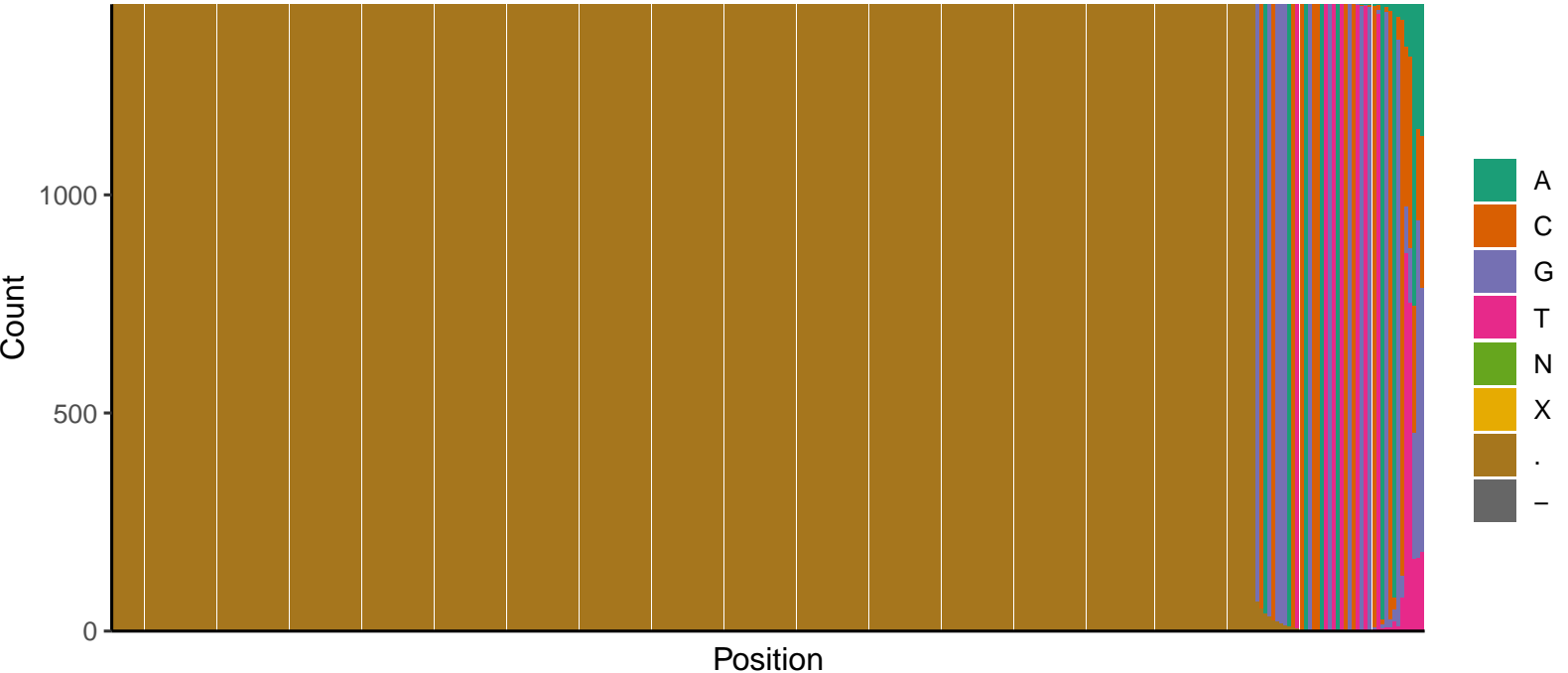
Gene TRBV7-7*ap01_C315T



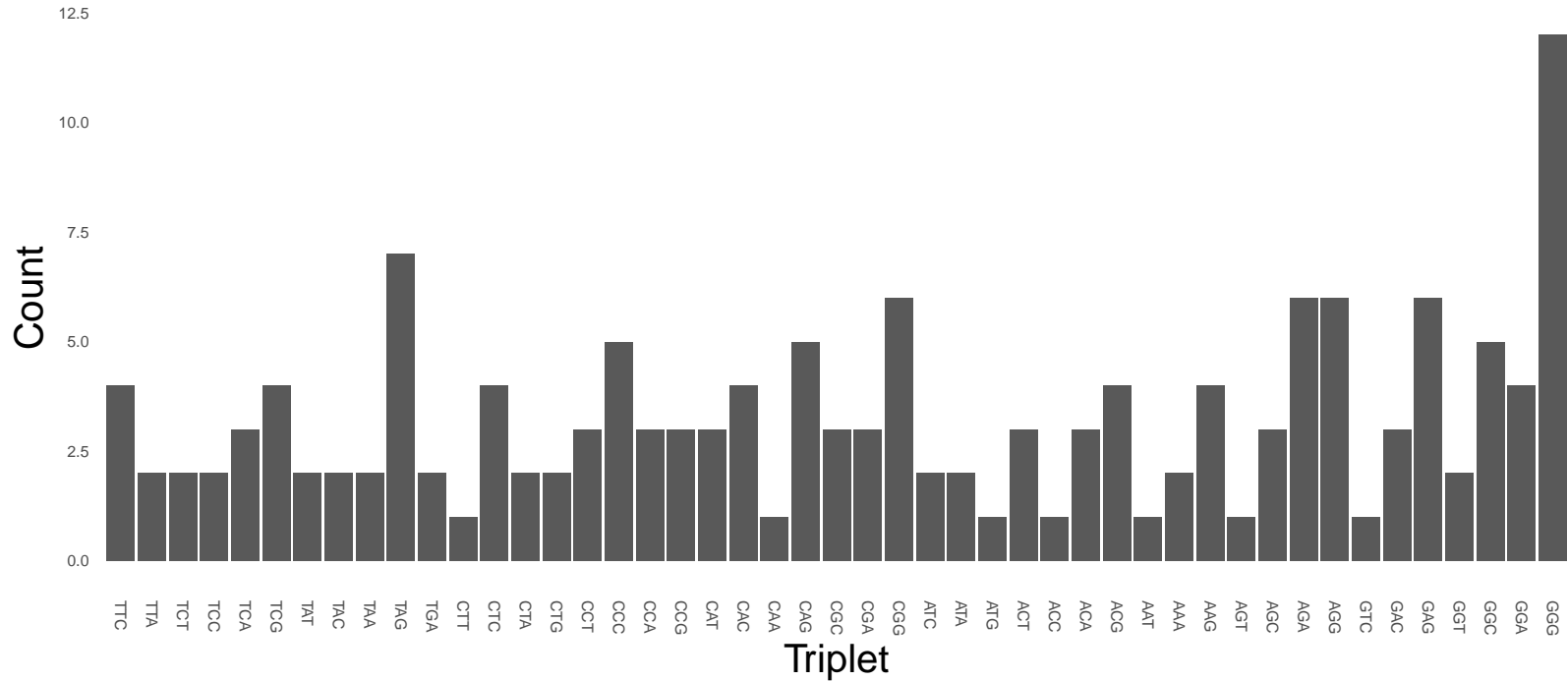
Gene TRBV7-1*ap01_T296C



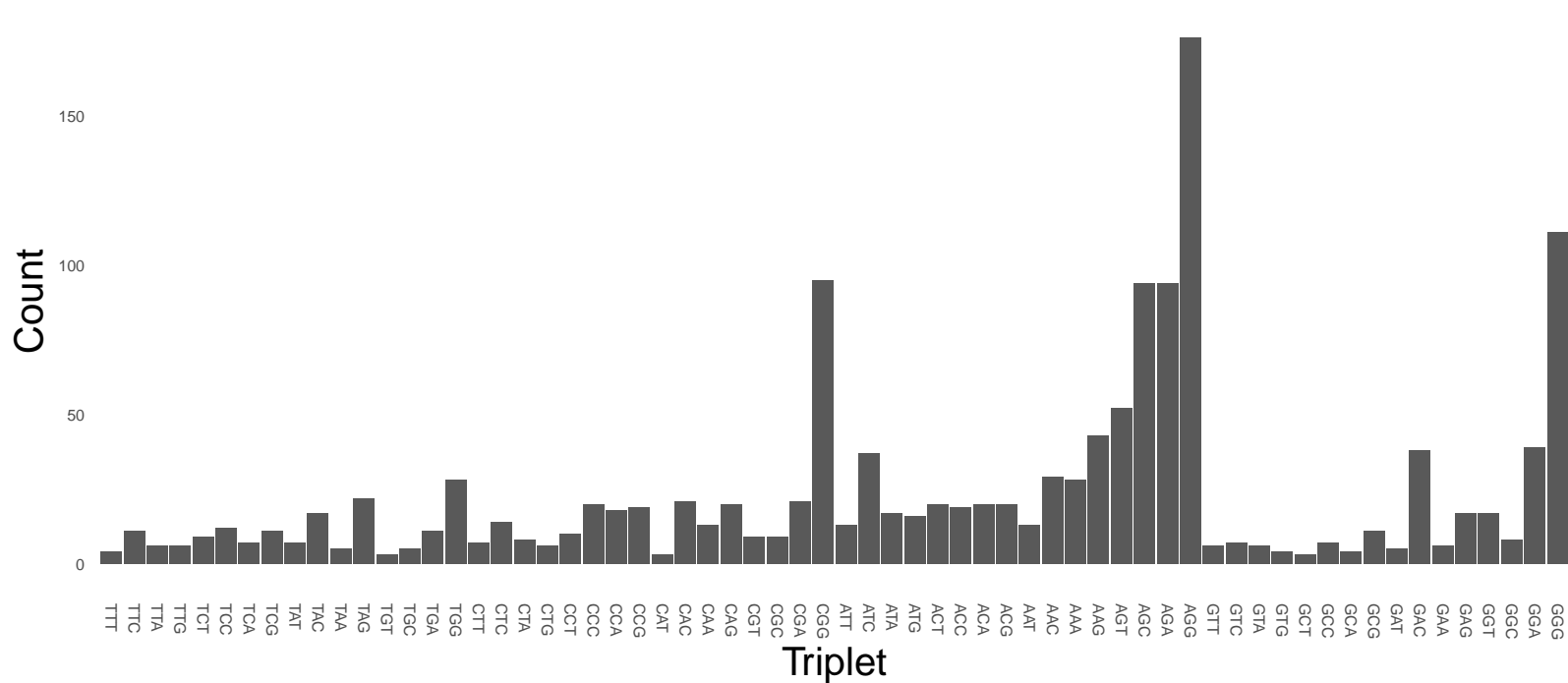
Gene TRBV7-7*ap01_C315T



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

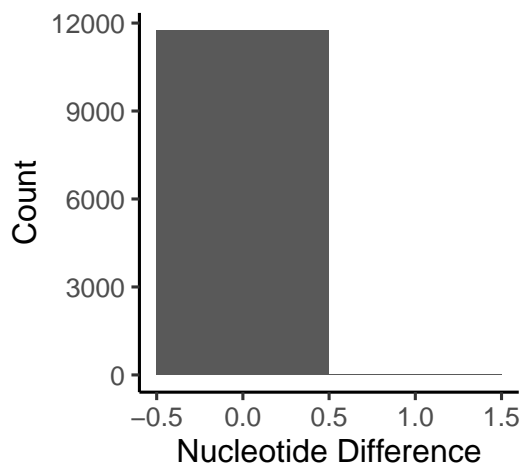


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



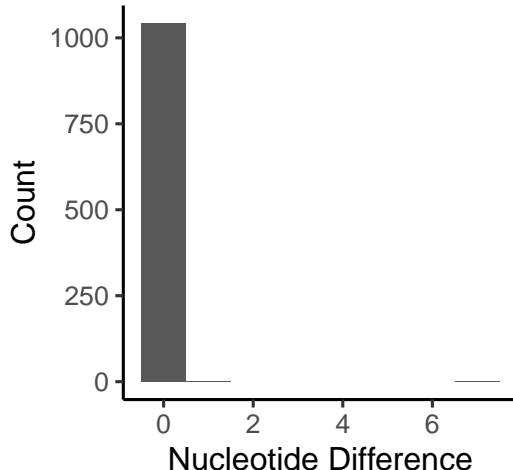
TRBV20-1*ap01

11780 sequences assigned
11758 (99.8%) exact matches, in which:
11746 unique CDR3
13 unique J



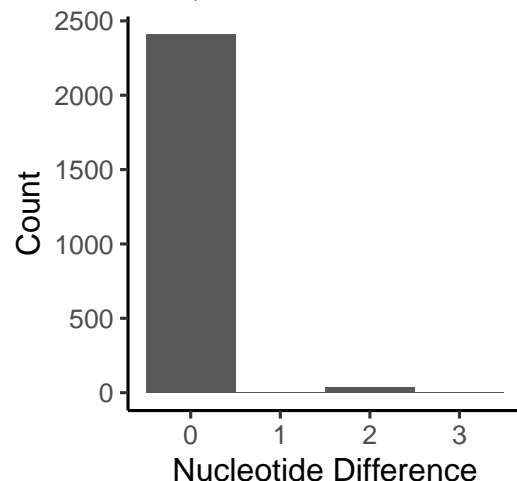
TRBV10-2*ap01

1044 sequences assigned
1042 (99.8%) exact matches, in which:
1040 unique CDR3
12 unique J



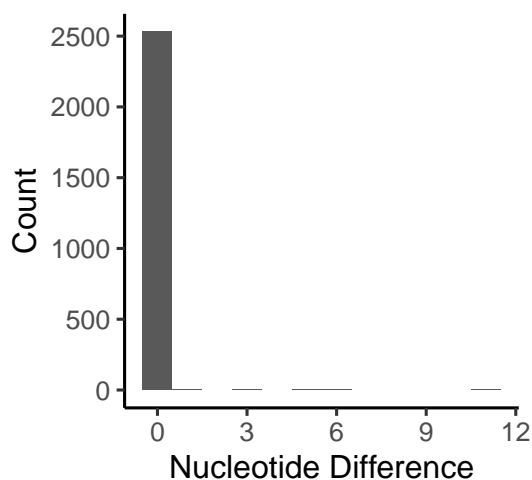
TRBV13*ap01

2452 sequences assigned
2409 (98.2%) exact matches, in which:
2404 unique CDR3
13 unique J



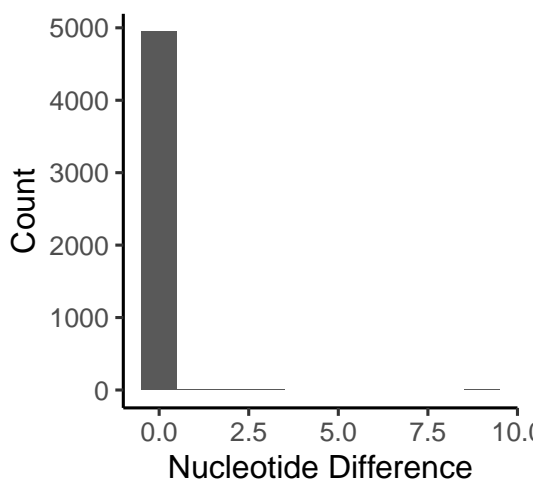
TRBV10-1*ap01

2538 sequences assigned
2531 (99.7%) exact matches, in which:
2530 unique CDR3
13 unique J



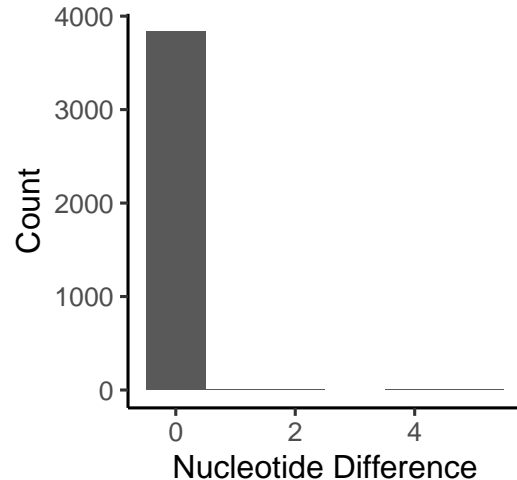
TRBV10-3*ap01

4953 sequences assigned
4946 (99.9%) exact matches, in which:
4945 unique CDR3
12 unique J



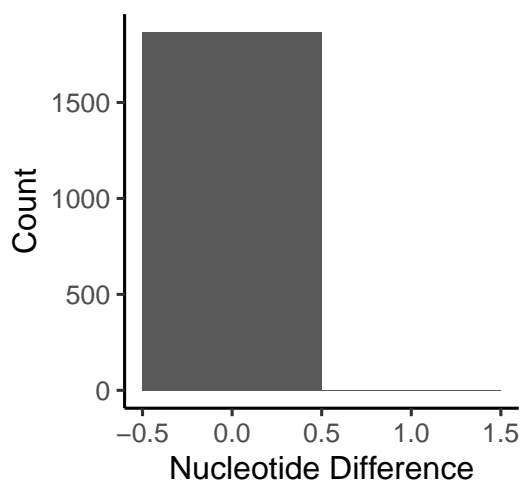
TRBV14*ap01

3841 sequences assigned
3833 (99.8%) exact matches, in which:
3833 unique CDR3
12 unique J



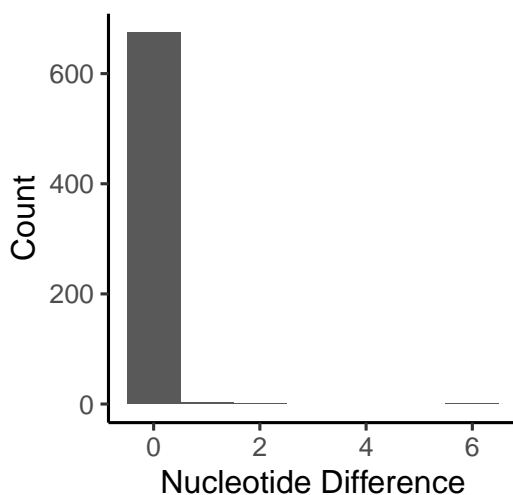
TRBV20-1*ap02

1870 sequences assigned
1867 (99.8%) exact matches, in which:
1863 unique CDR3
13 unique J



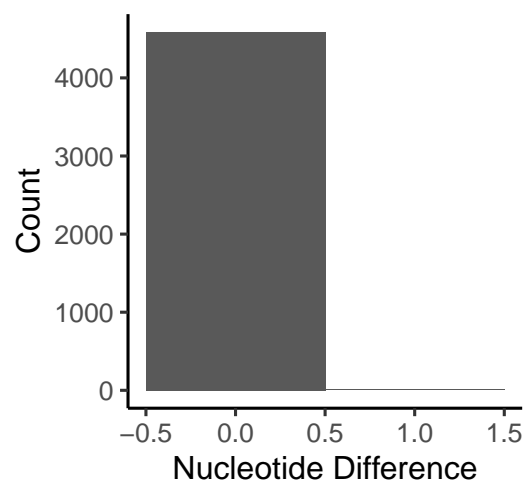
TRBV1*ap01

680 sequences assigned
675 (99.3%) exact matches, in which:
675 unique CDR3
12 unique J



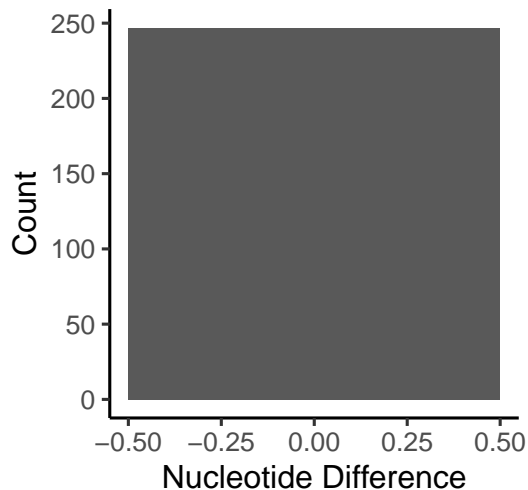
TRBV15*ap02

4599 sequences assigned
4587 (99.7%) exact matches, in which:
4576 unique CDR3
13 unique J



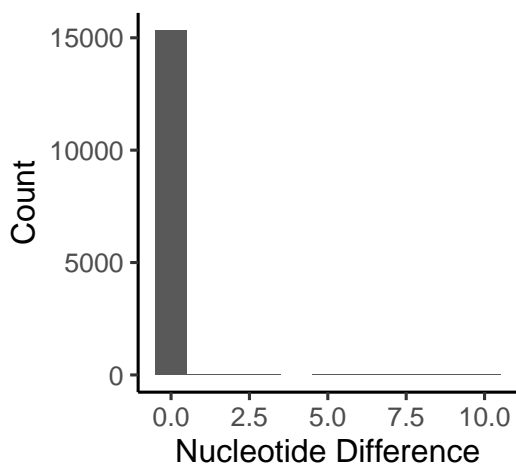
TRBV16*ap01

247 sequences assigned
247 (100%) exact matches, in which:
246 unique CDR3
12 unique J



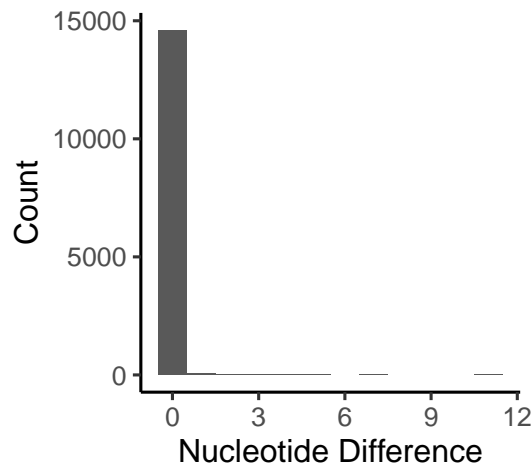
TRBV19*ap01

15386 sequences assigned
15339 (99.7%) exact matches, in which:
15336 unique CDR3
13 unique J



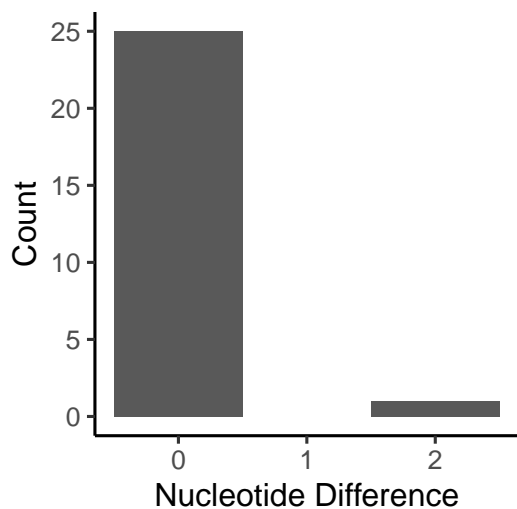
TRBV27*ap01

14679 sequences assigned
14603 (99.5%) exact matches, in which:
14544 unique CDR3
13 unique J



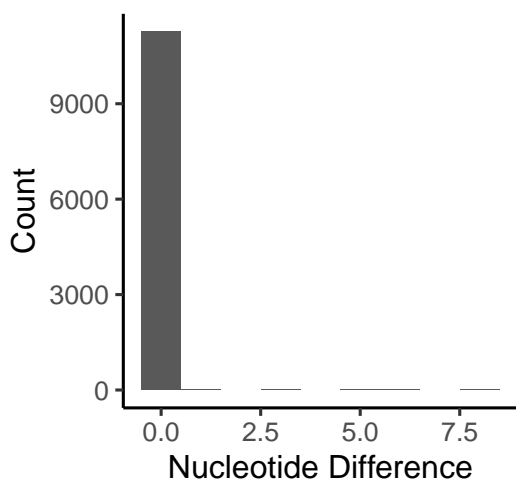
TRBV17*ap01

26 sequences assigned
25 (96.2%) exact matches, in which:
25 unique CDR3
10 unique J



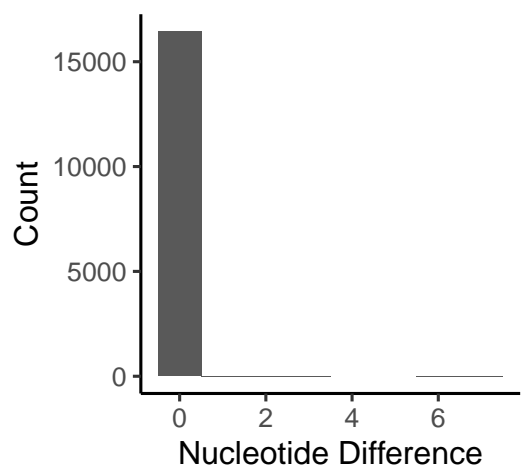
TRBV2*ap01

11298 sequences assigned
11264 (99.7%) exact matches, in which:
11230 unique CDR3
13 unique J



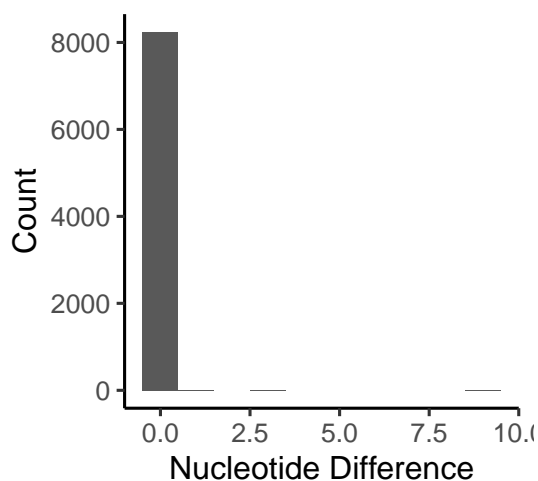
TRBV28*ap01

16468 sequences assigned
16442 (99.8%) exact matches, in which:
16440 unique CDR3
13 unique J



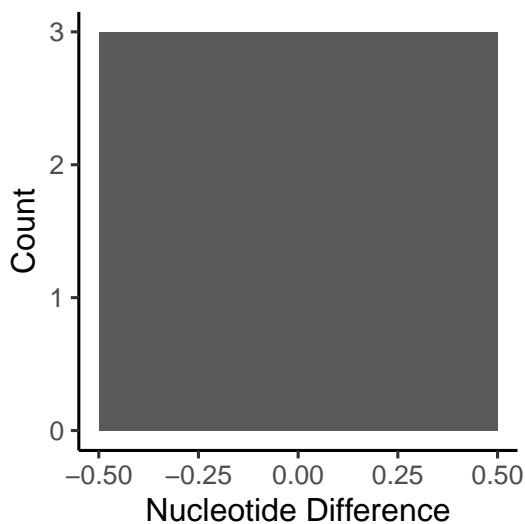
TRBV18*ap01

8252 sequences assigned
8239 (99.8%) exact matches, in which:
8239 unique CDR3
12 unique J



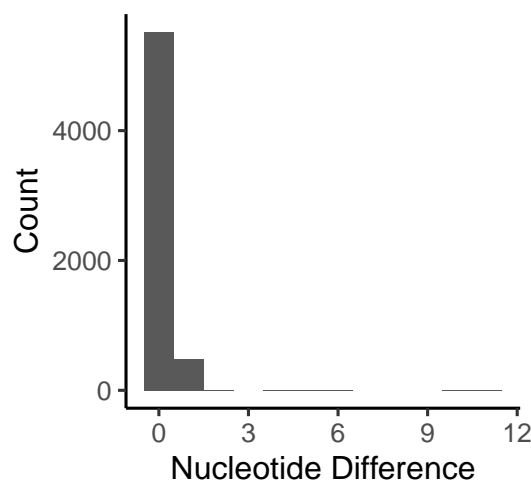
TRBV26*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
1 unique J



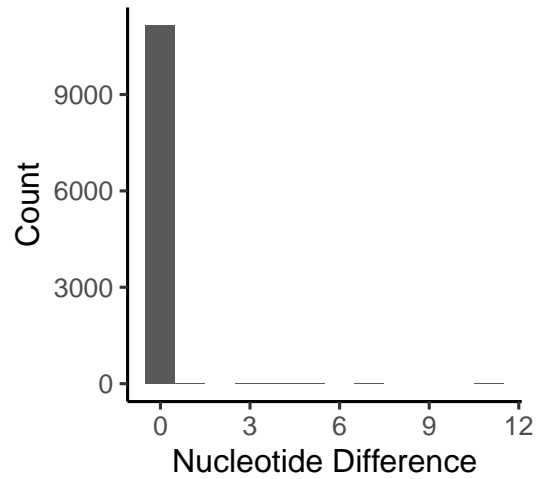
TRBV30*ap01

6018 sequences assigned
5518 (91.7%) exact matches, in which:
5498 unique CDR3
13 unique J



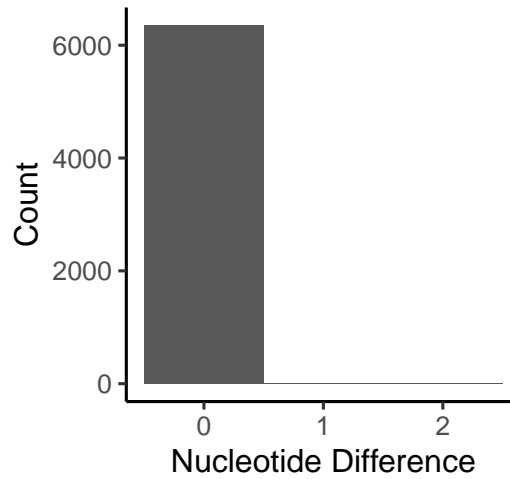
TRBV9*ap01

11175 sequences assigned
11151 (99.8%) exact matches, in which:
11135 unique CDR3
13 unique J



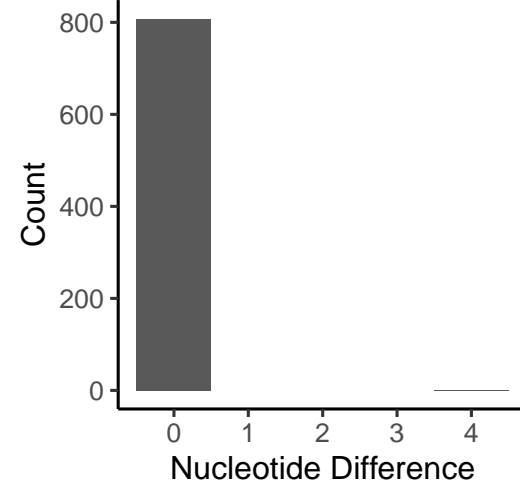
TRBV11-2*ap01

6358 sequences assigned
6351 (99.9%) exact matches, in which:
6351 unique CDR3
12 unique J



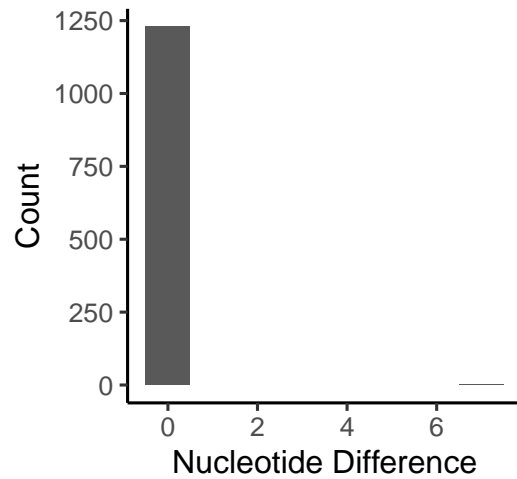
TRBV12-2*ap01

809 sequences assigned
808 (99.9%) exact matches, in which:
808 unique CDR3
12 unique J



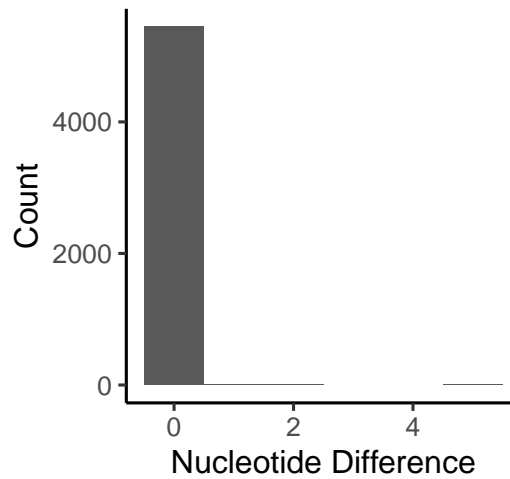
TRBV11-1*ap01

1230 sequences assigned
1229 (99.9%) exact matches, in which:
1229 unique CDR3
12 unique J



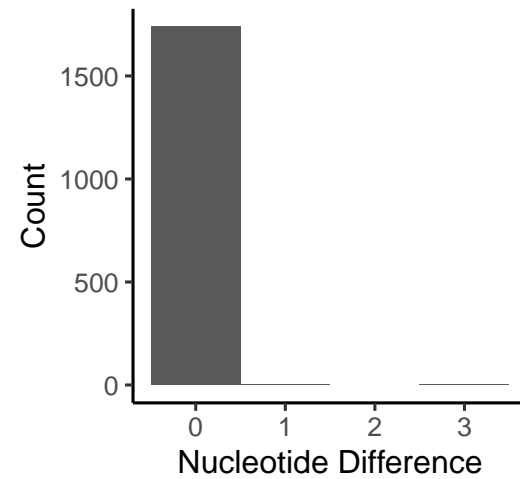
TRBV11-3*ap01

5457 sequences assigned
5447 (99.8%) exact matches, in which:
5446 unique CDR3
13 unique J



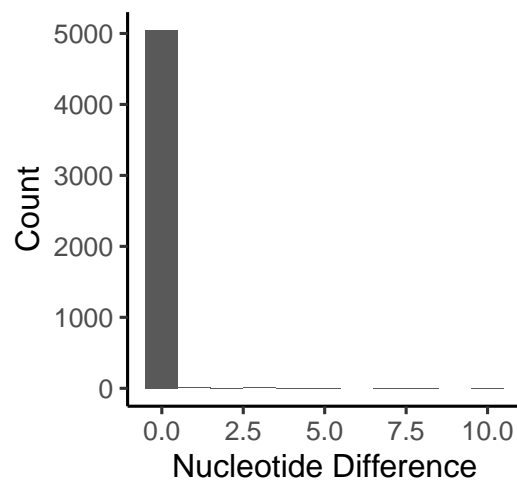
TRBV12-5*ap01

1743 sequences assigned
1739 (99.8%) exact matches, in which:
1739 unique CDR3
12 unique J



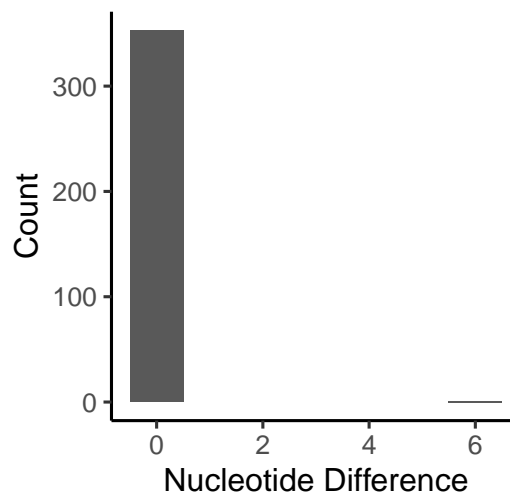
TRBV21-1*ap01

5081 sequences assigned
5048 (99.4%) exact matches, in which:
5048 unique CDR3
12 unique J



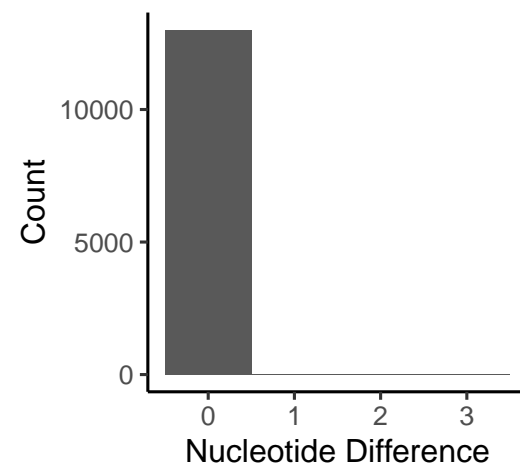
TRBV12-1*ap01

354 sequences assigned
353 (99.7%) exact matches, in which:
353 unique CDR3
12 unique J



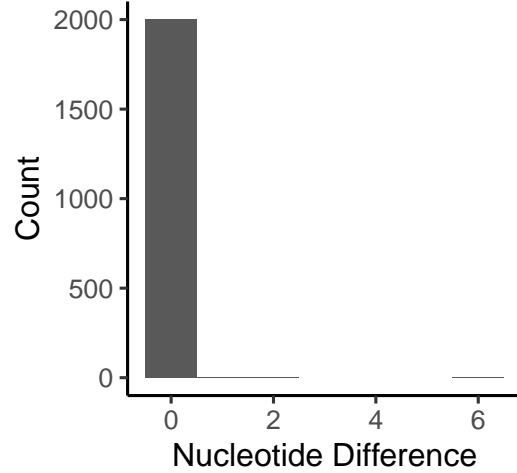
TRBV12-34*ap01

13031 sequences assigned
13007 (99.8%) exact matches, in which:
13001 unique CDR3
12 unique J



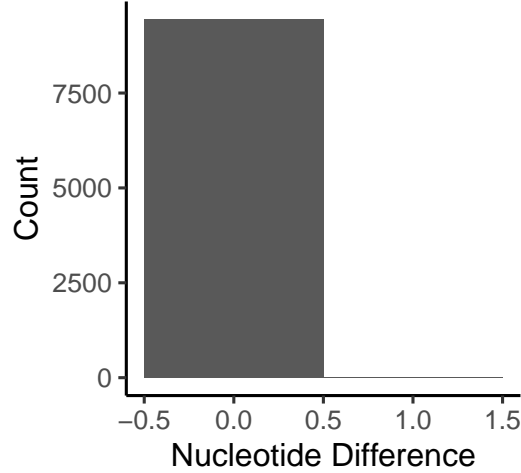
TRBV23-1*ap01

2007 sequences assigned
2001 (99.7%) exact matches, in which:
2001 unique CDR3
12 unique J



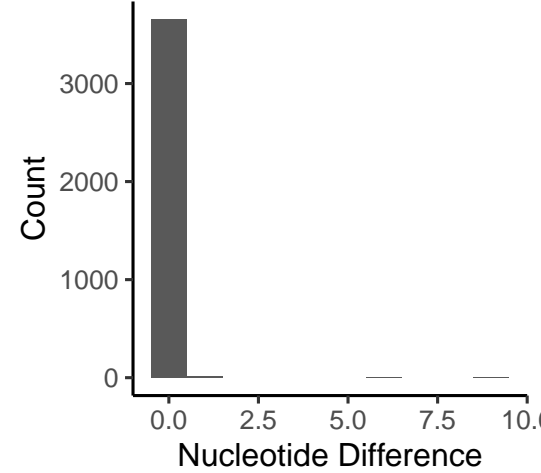
TRBV4-1*ap01

9460 sequences assigned
9440 (99.8%) exact matches, in which:
9433 unique CDR3
13 unique J



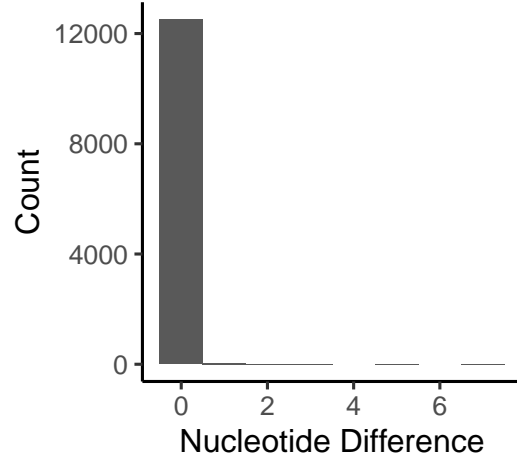
TRBV25-1*ap01

3675 sequences assigned
3654 (99.4%) exact matches, in which:
3643 unique CDR3
13 unique J



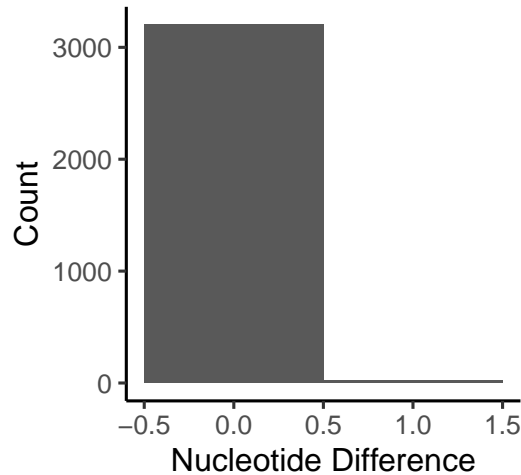
TRBV3-12*ap01

12568 sequences assigned
12511 (99.5%) exact matches, in which:
12472 unique CDR3
13 unique J



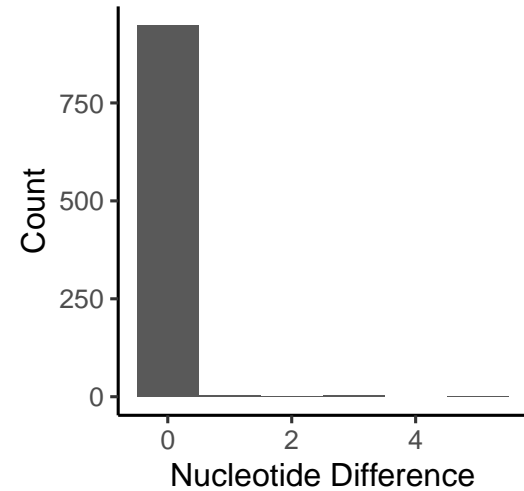
TRBV4-2*ap01

3221 sequences assigned
3202 (99.4%) exact matches, in which:
3200 unique CDR3
13 unique J



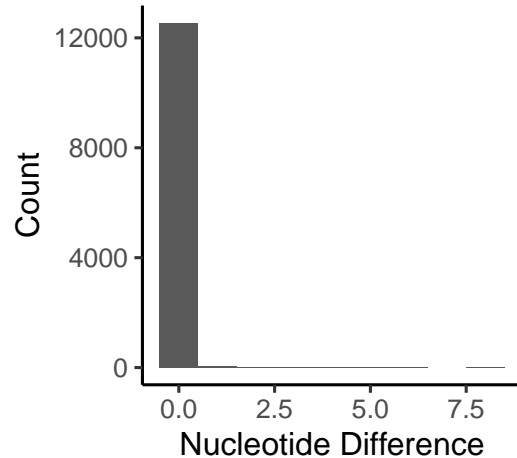
TRBV5-3*ap01

959 sequences assigned
949 (99%) exact matches, in which:
949 unique CDR3
12 unique J



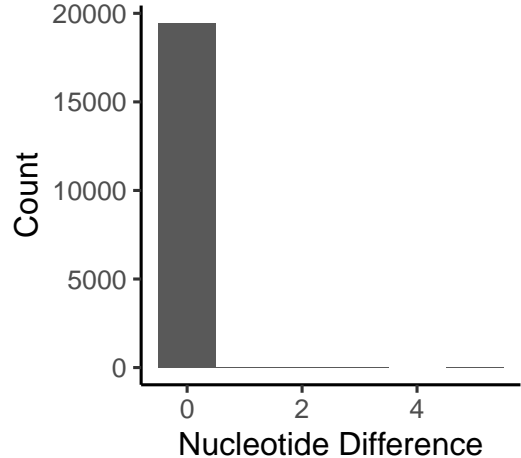
TRBV24-1*ap01

12621 sequences assigned
12549 (99.4%) exact matches, in which:
12520 unique CDR3
13 unique J



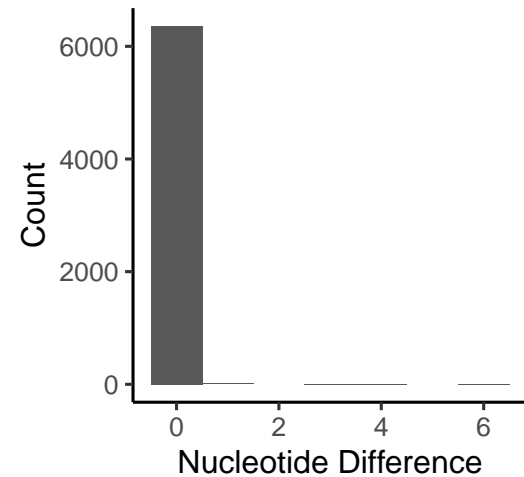
TRBV5-1*ap01

19500 sequences assigned
19466 (99.8%) exact matches, in which:
19422 unique CDR3
13 unique J



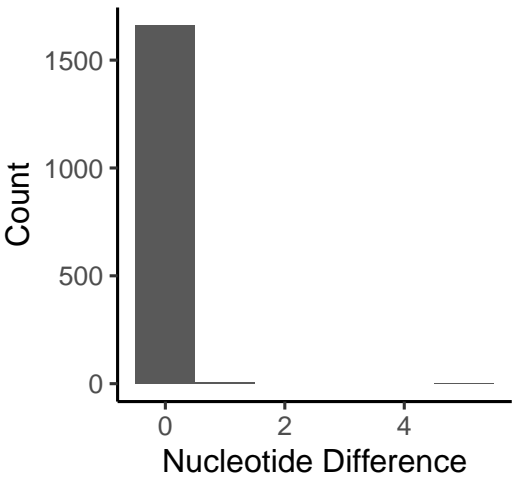
TRBV5-4*ap01

6381 sequences assigned
6360 (99.7%) exact matches, in which:
6360 unique CDR3
12 unique J



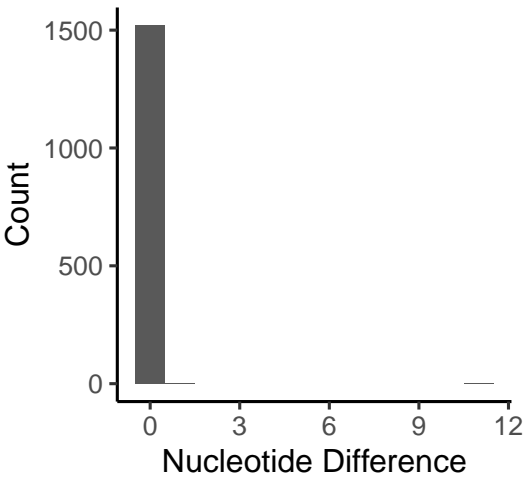
TRBV5-5*ap01

1669 sequences assigned
1661 (99.5%) exact matches, in which:
1661 unique CDR3
12 unique J



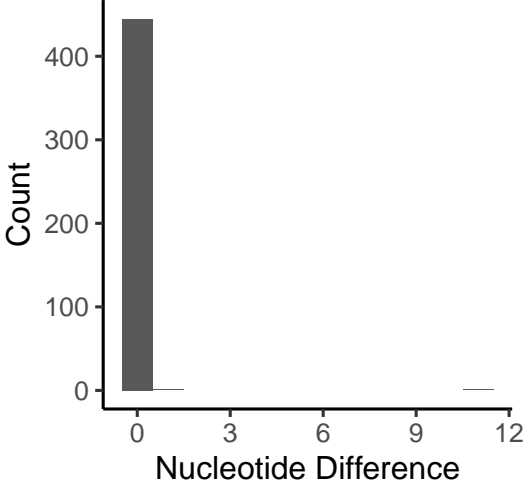
TRBV5-8*ap01

1525 sequences assigned
1520 (99.7%) exact matches, in which:
1520 unique CDR3
12 unique J



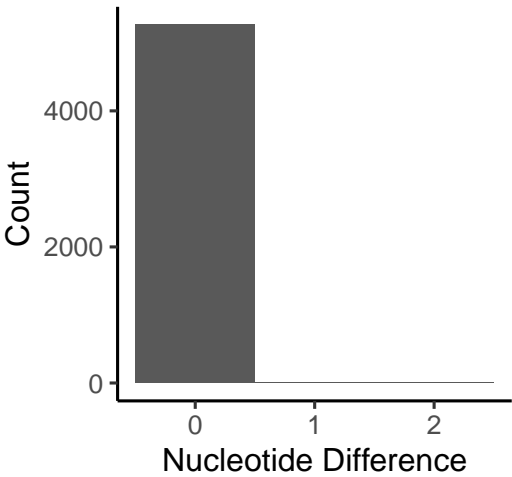
TRBV6-7*ap01

447 sequences assigned
445 (99.6%) exact matches, in which:
445 unique CDR3
12 unique J



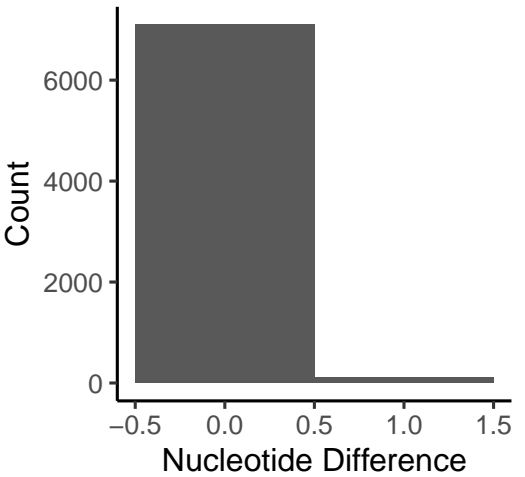
TRBV5-6*ap01

5279 sequences assigned
5266 (99.8%) exact matches, in which:
5249 unique CDR3
13 unique J



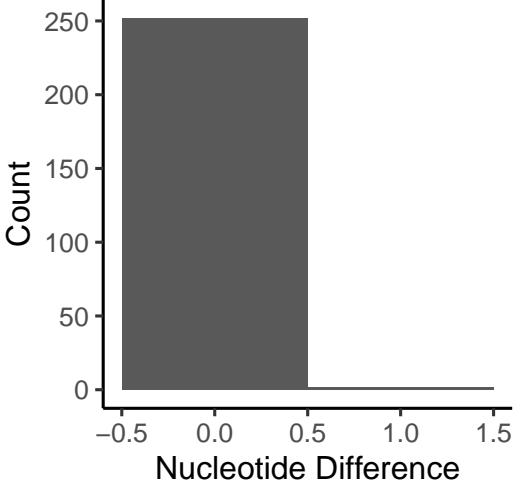
TRBV6-1*ap01

7213 sequences assigned
7098 (98.4%) exact matches, in which:
7086 unique CDR3
13 unique J



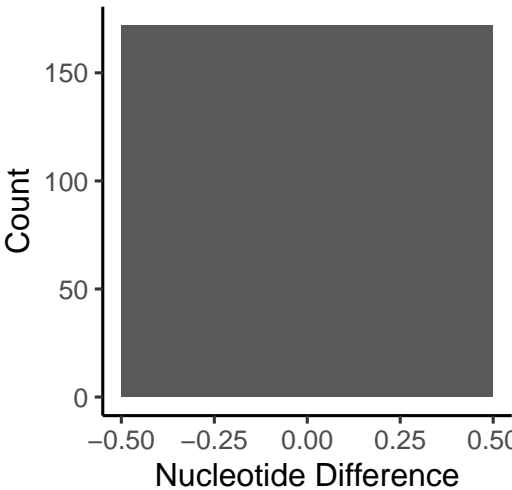
TRBV6-8*ap01

254 sequences assigned
252 (99.2%) exact matches, in which:
251 unique CDR3
12 unique J



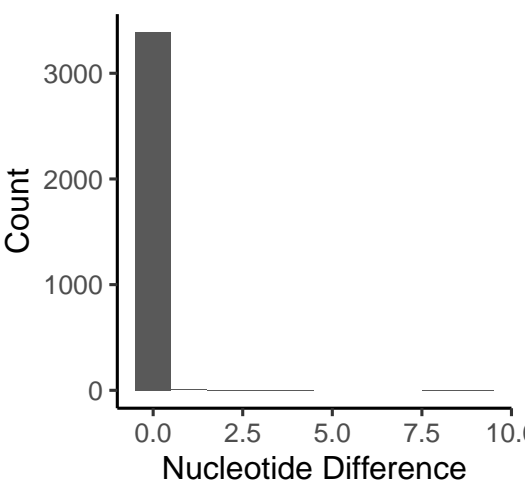
TRBV5-7*ap01

172 sequences assigned
172 (100%) exact matches, in which:
171 unique CDR3
12 unique J



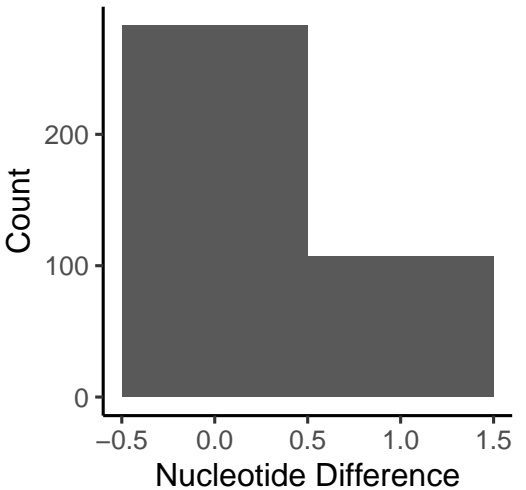
TRBV6-4*ap01

3406 sequences assigned
3390 (99.5%) exact matches, in which:
3390 unique CDR3
13 unique J



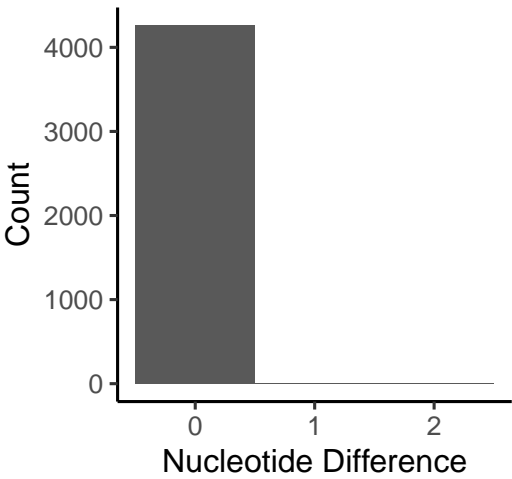
TRBV6-9*ap01

390 sequences assigned
283 (72.6%) exact matches, in which:
282 unique CDR3
12 unique J



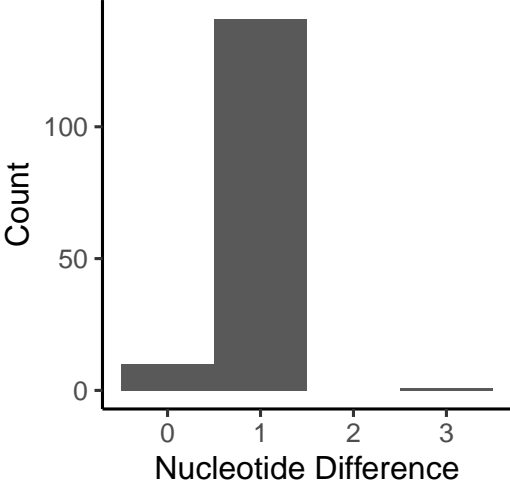
TRBV6-23*ap01

4268 sequences assigned
4261 (99.8%) exact matches, in which:
4247 unique CDR3
13 unique J



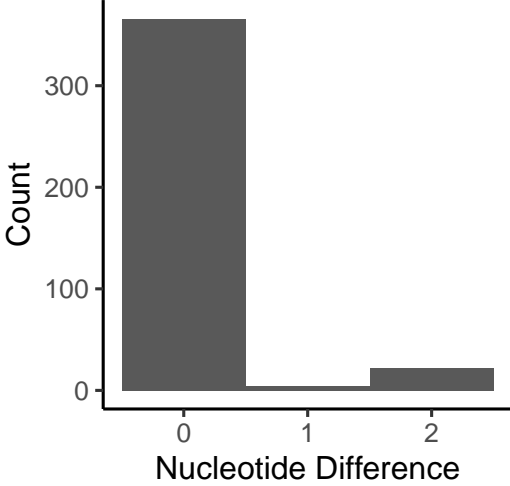
TRBV7-1*ap01_T296C

152 sequences assigned
10 (6.6%) exact matches, in which:
10 unique CDR3
6 unique J



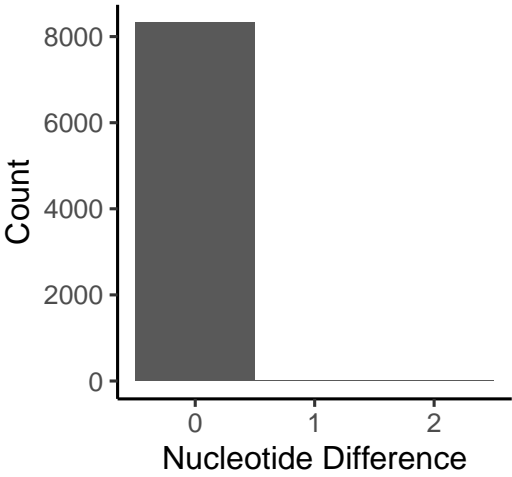
TRBV7-4*ap01

392 sequences assigned
366 (93.4%) exact matches, in which:
366 unique CDR3
12 unique J



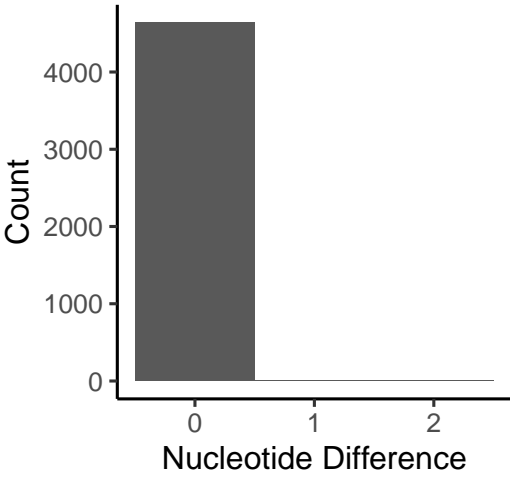
TRBV6-56*ap01

8341 sequences assigned
8322 (99.8%) exact matches, in which:
8304 unique CDR3
13 unique J



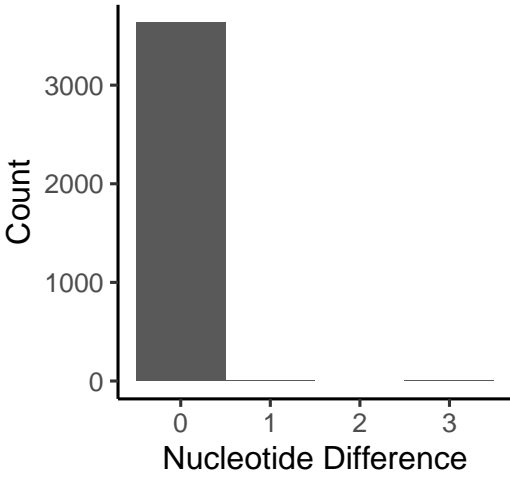
TRBV7-2*ap01

4644 sequences assigned
4638 (99.9%) exact matches, in which:
4638 unique CDR3
12 unique J



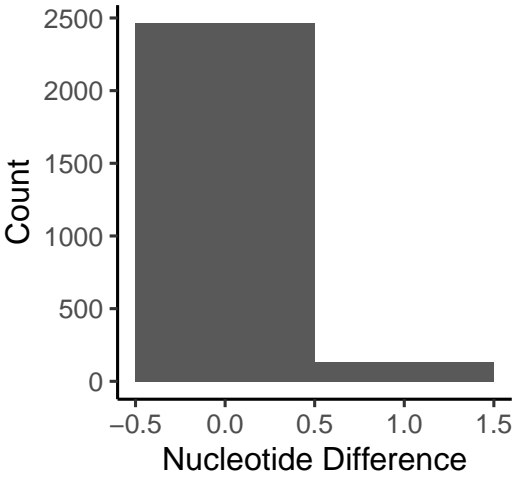
TRBV7-6*ap01

3639 sequences assigned
3633 (99.8%) exact matches, in which:
3633 unique CDR3
13 unique J



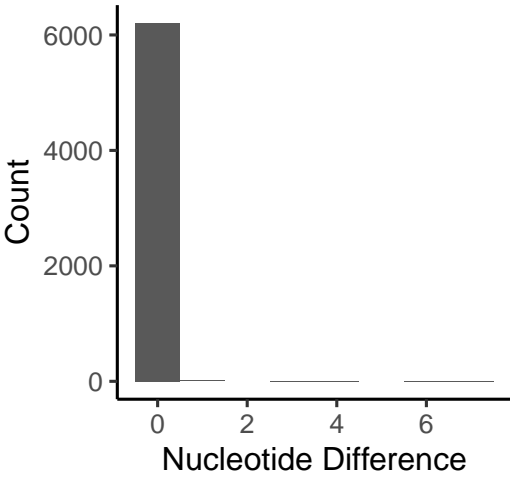
TRBV6-56*ap02

2597 sequences assigned
2465 (94.9%) exact matches, in which:
2463 unique CDR3
13 unique J



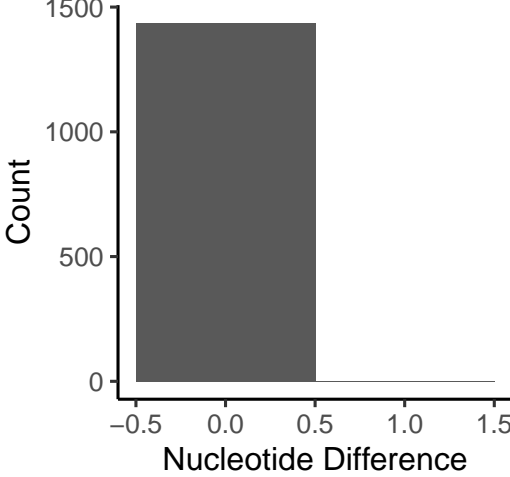
TRBV7-3*ap01

6227 sequences assigned
6206 (99.7%) exact matches, in which:
6201 unique CDR3
12 unique J



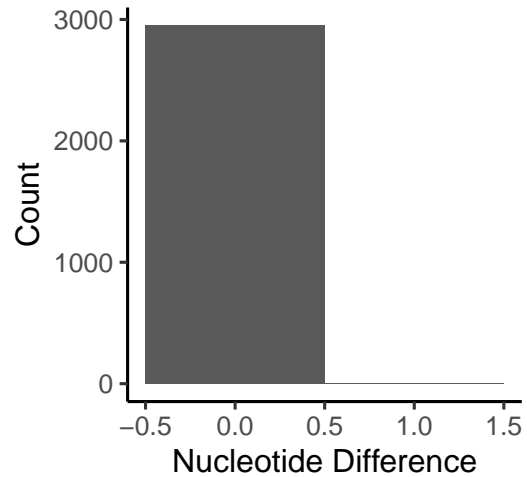
TRBV7-7*ap01_C315T

1437 sequences assigned
1436 (99.9%) exact matches, in which:
1435 unique CDR3
12 unique J



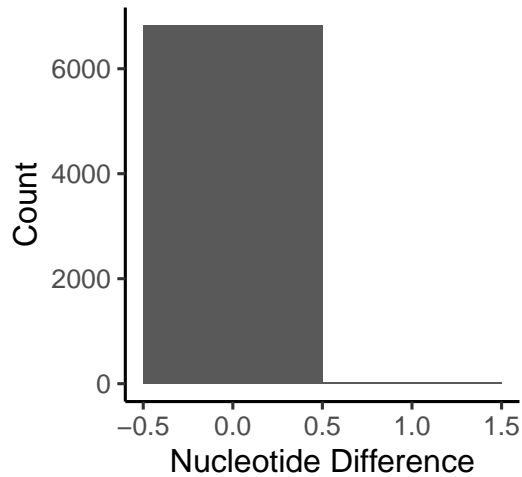
TRBV7-8*ap01

2953 sequences assigned
2951 (99.9%) exact matches, in which:
2949 unique CDR3
13 unique J



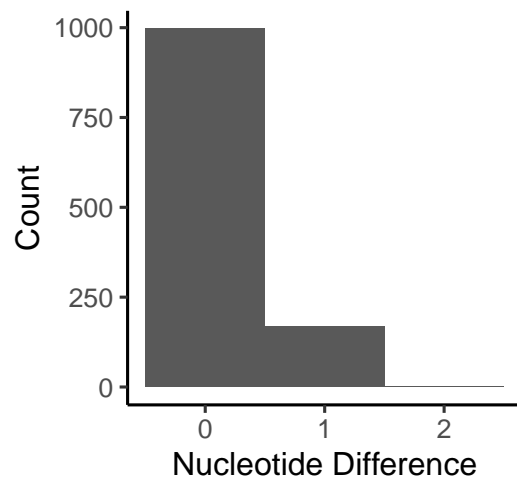
TRBV29-1*ap01

6858 sequences assigned
6825 (99.5%) exact matches, in which:
6802 unique CDR3
13 unique J



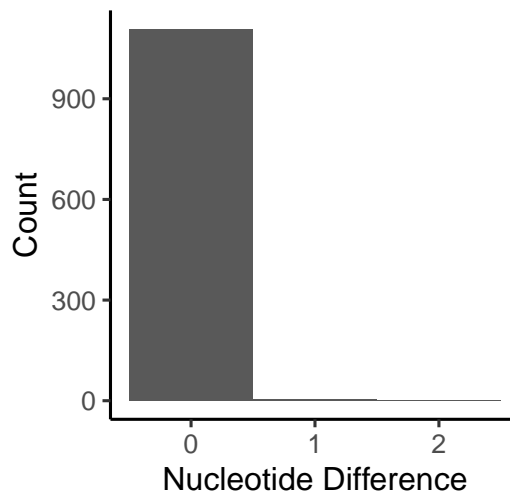
TRBV7-8*ap03

1166 sequences assigned
997 (85.5%) exact matches, in which:
997 unique CDR3
12 unique J



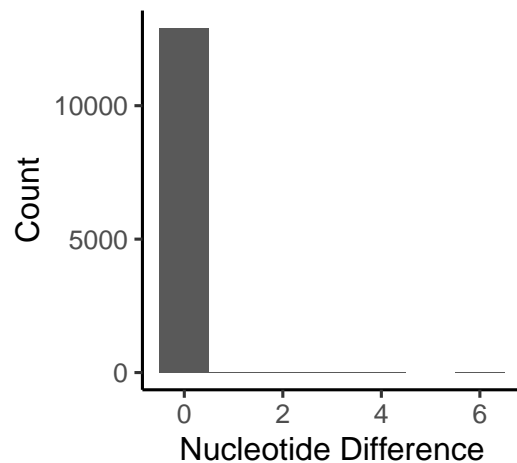
TRBV29-1*ap02

1115 sequences assigned
1108 (99.4%) exact matches, in which:
1106 unique CDR3
12 unique J

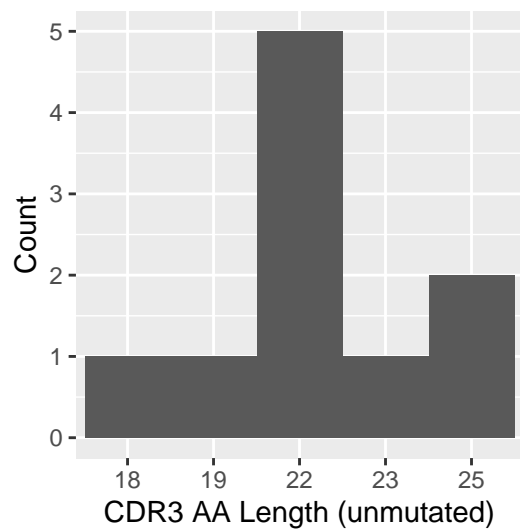


TRBV7-9*ap01

12938 sequences assigned
12919 (99.9%) exact matches, in which:
12915 unique CDR3
12 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

