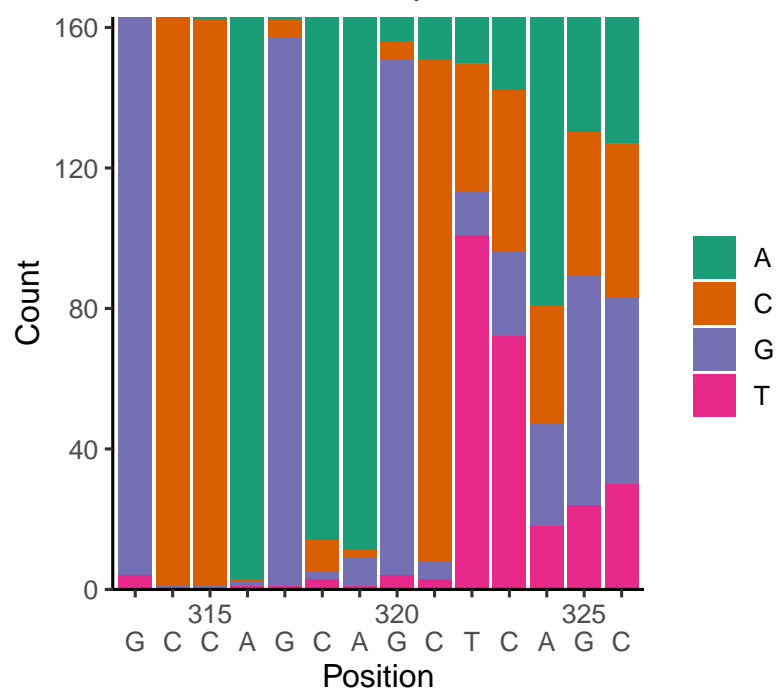
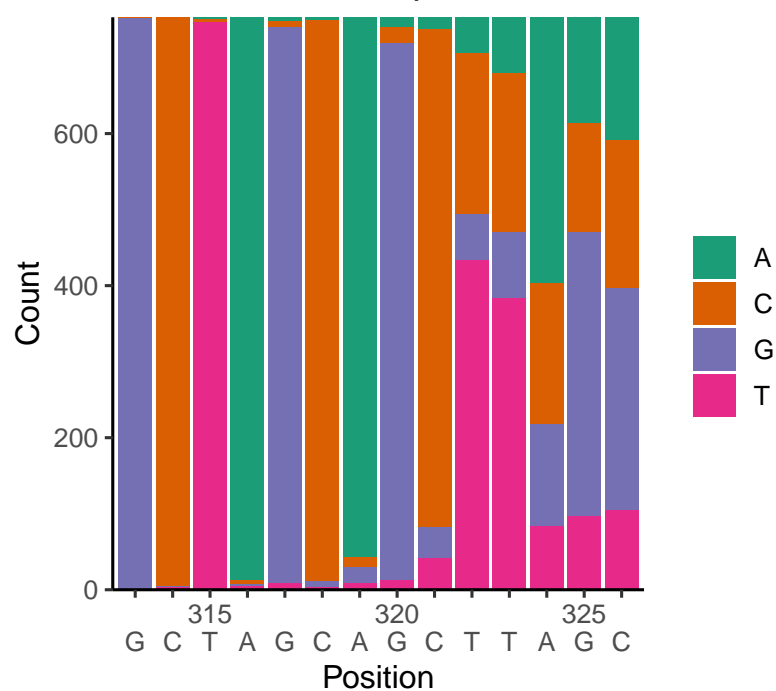


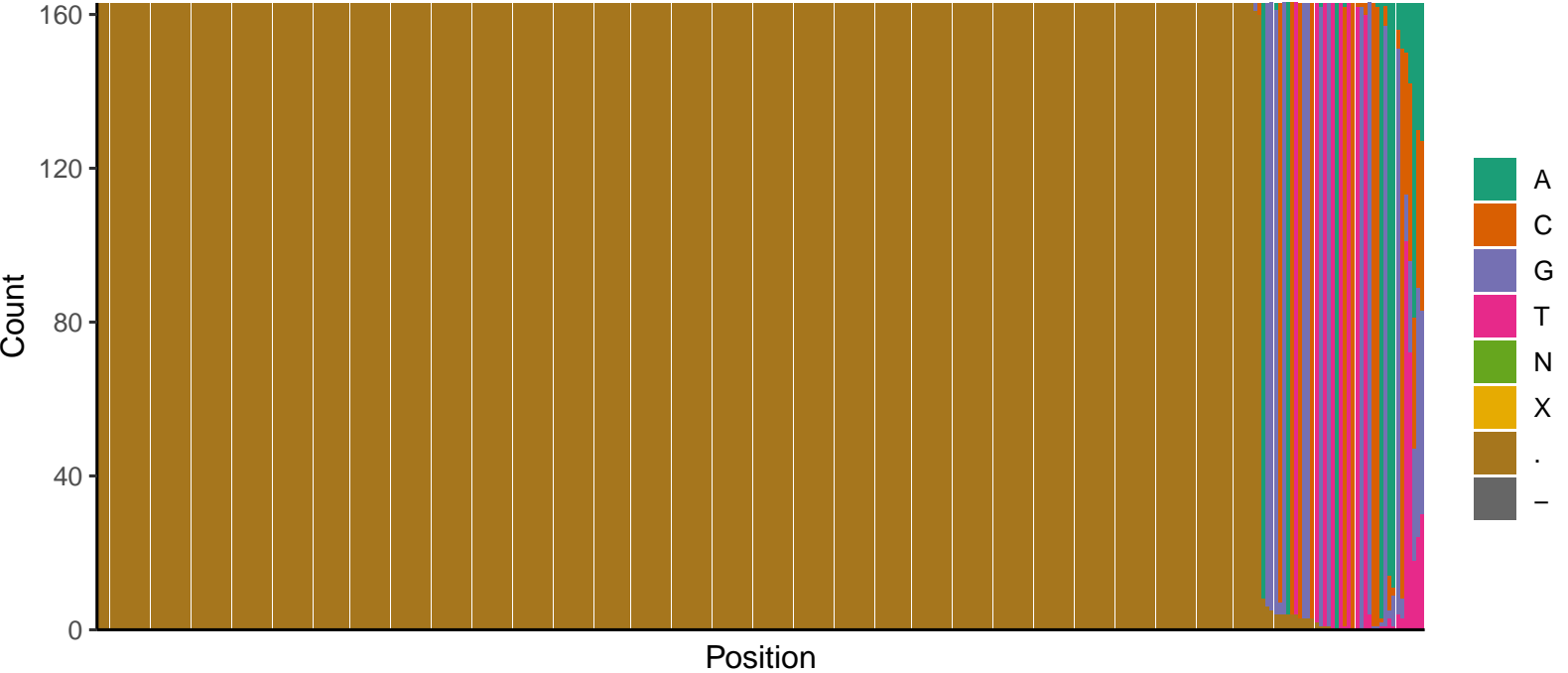
Gene TRBV7-1*ap01_G291C_T296C



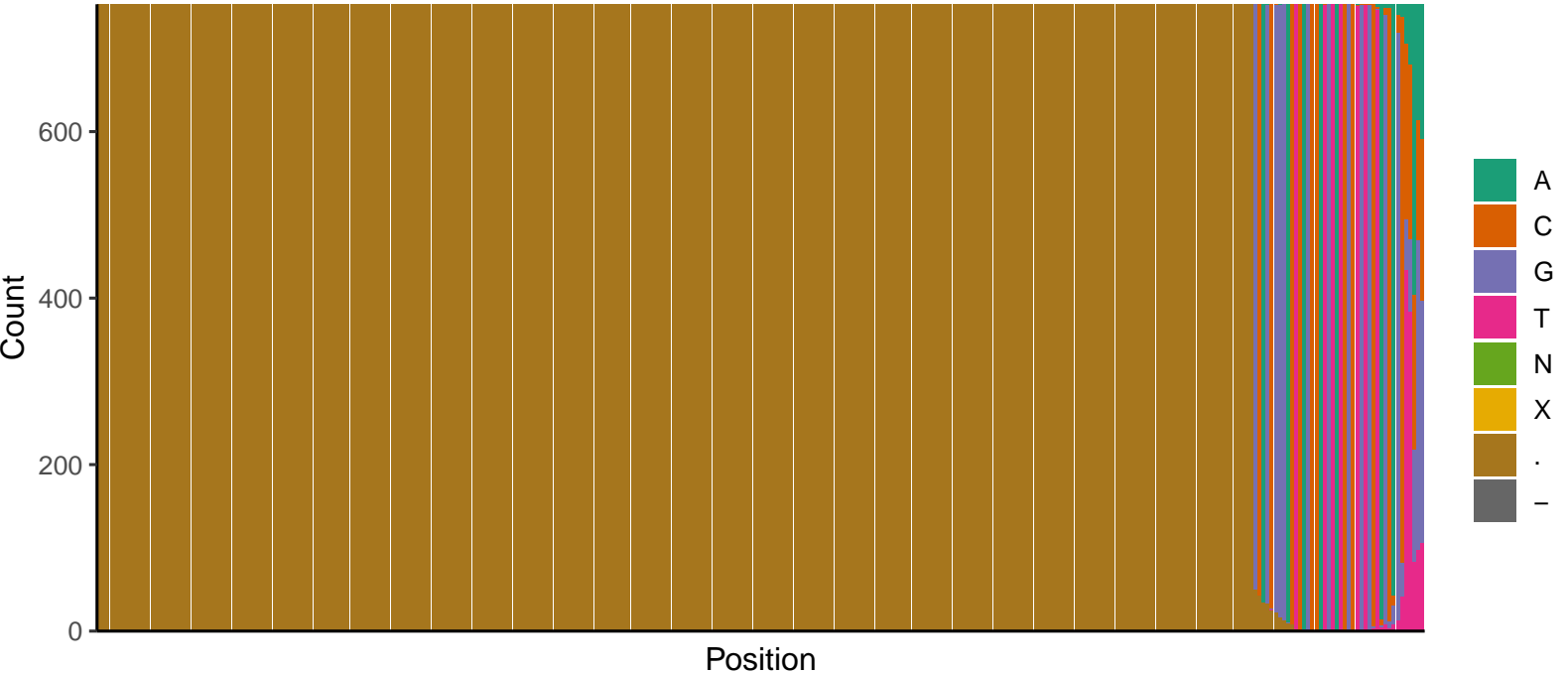
Gene TRBV7-7*ap01_C315T



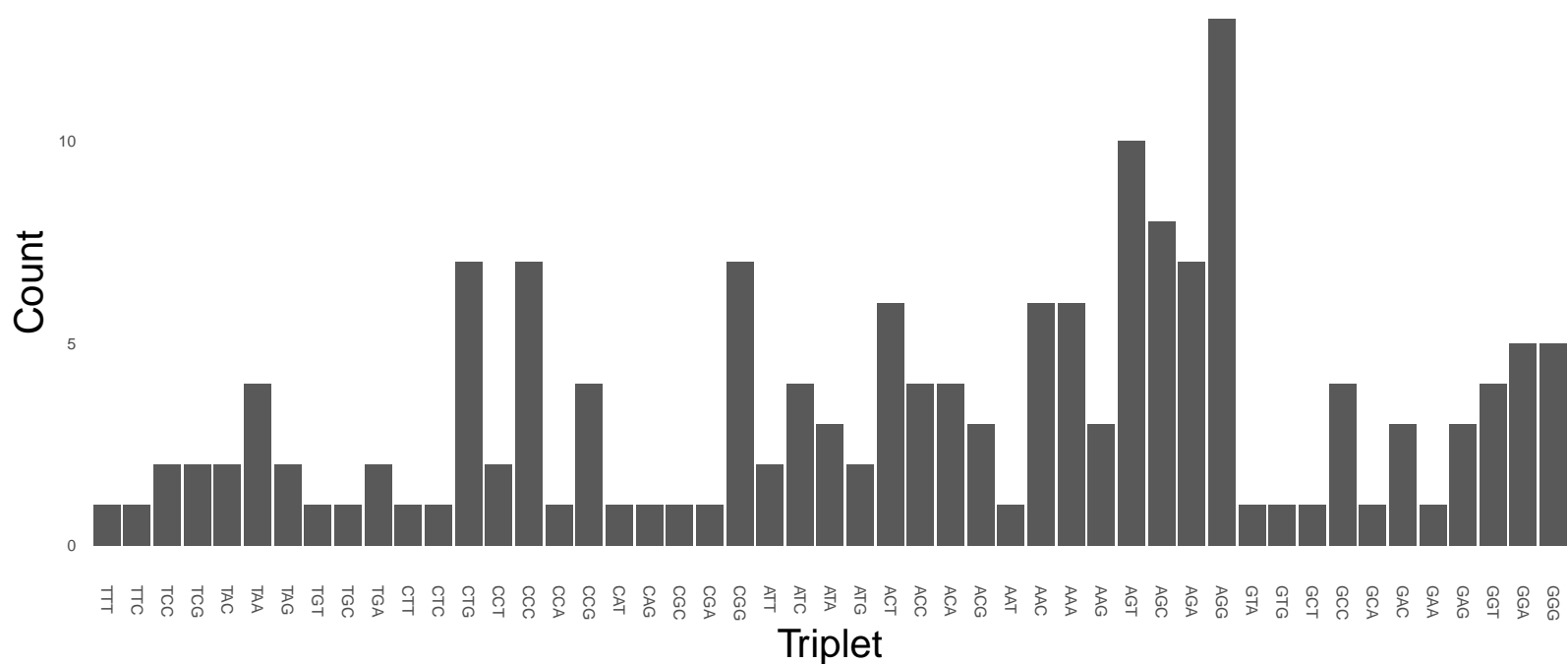
Gene TRBV7-1*ap01_G291C_T296C



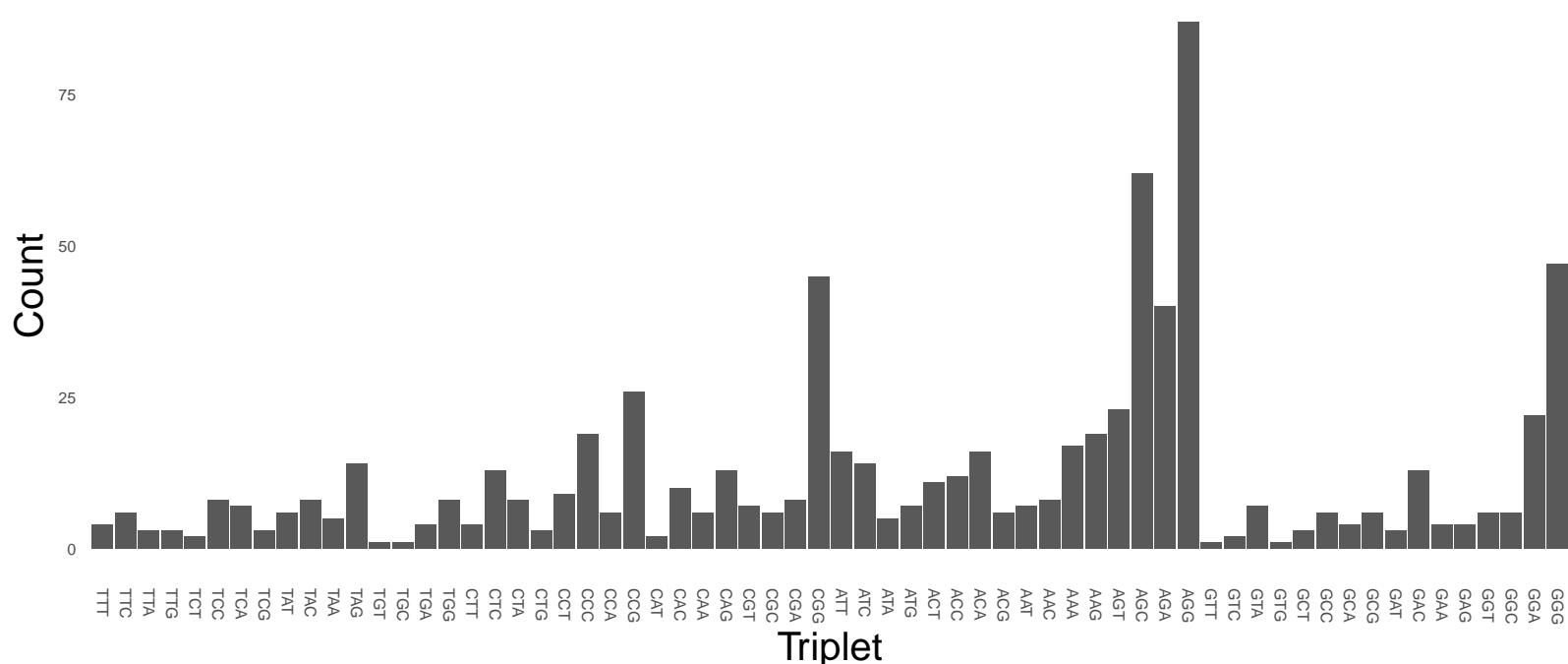
Gene TRBV7-7*ap01_C315T



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

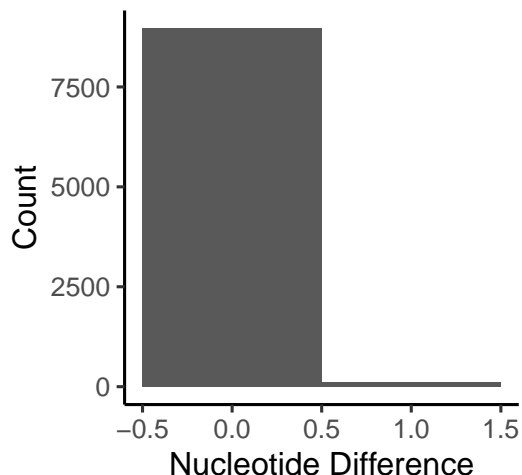


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



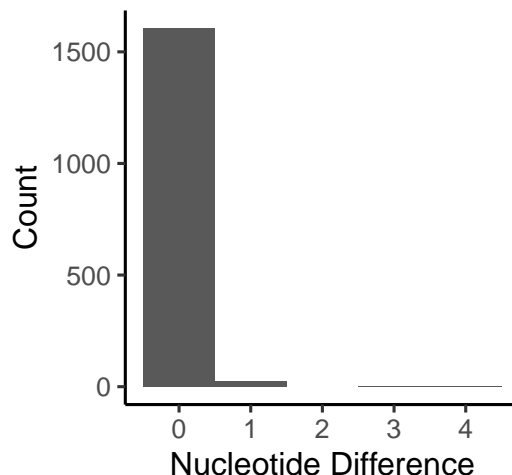
TRBV20-1*ap01

9067 sequences assigned
8965 (98.9%) exact matches, in which:
8759 unique CDR3
13 unique J



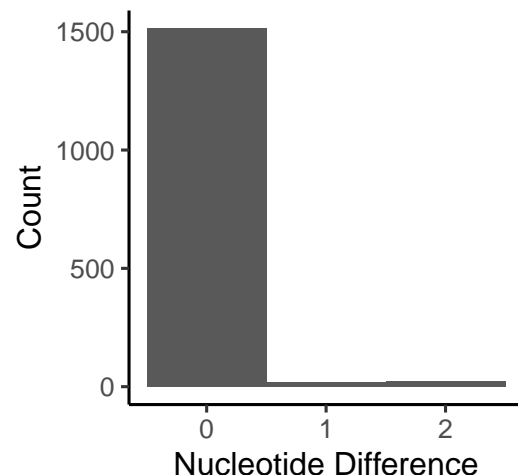
TRBV10-2*ap01

1630 sequences assigned
1605 (98.5%) exact matches, in which:
1565 unique CDR3
13 unique J



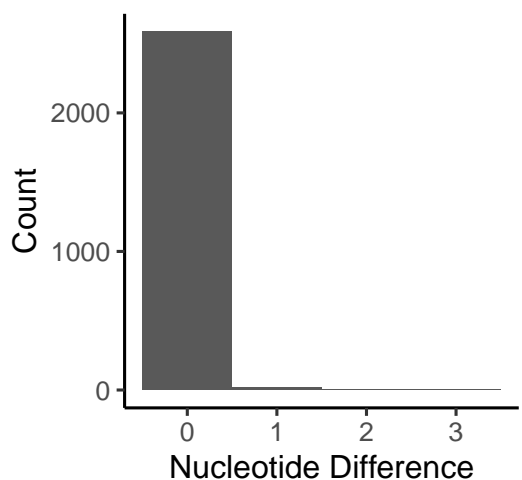
TRBV13*ap01

1558 sequences assigned
1514 (97.2%) exact matches, in which:
1469 unique CDR3
13 unique J



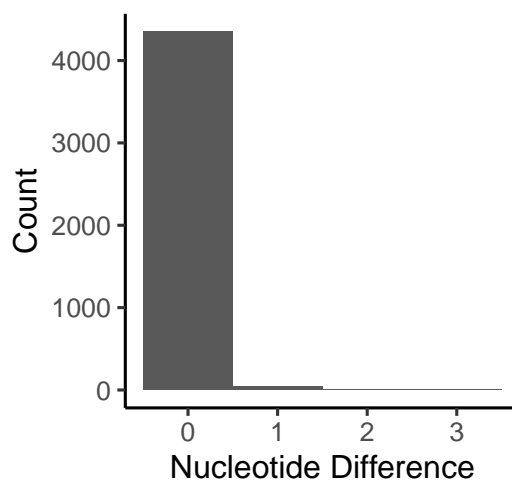
TRBV10-1*ap01

2608 sequences assigned
2586 (99.2%) exact matches, in which:
2530 unique CDR3
13 unique J



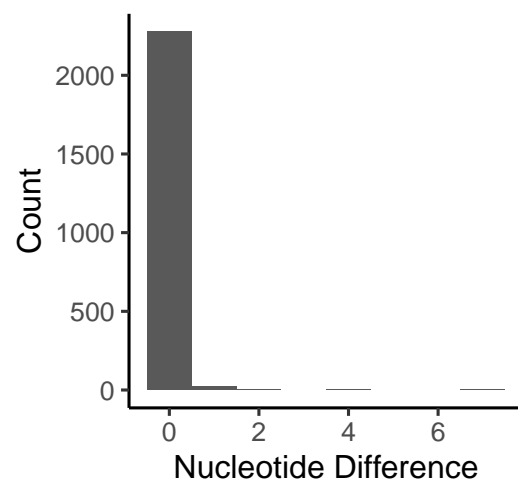
TRBV10-3*ap01

4404 sequences assigned
4350 (98.8%) exact matches, in which:
4242 unique CDR3
13 unique J



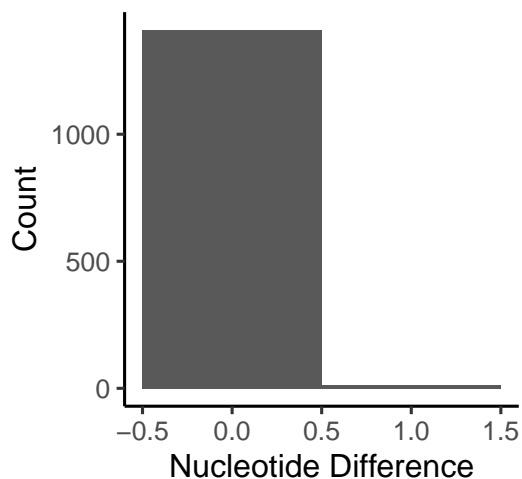
TRBV14*ap01

2301 sequences assigned
2277 (99%) exact matches, in which:
2241 unique CDR3
13 unique J



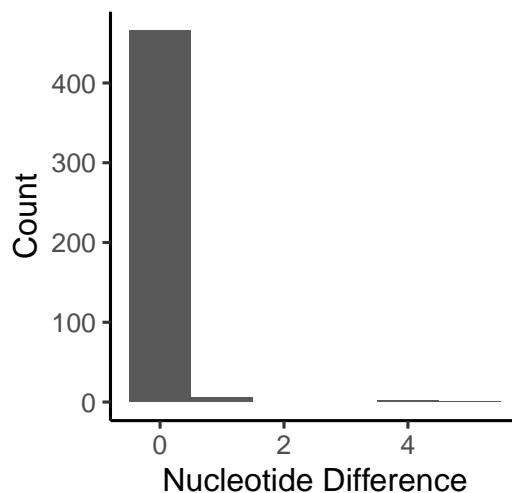
TRBV20-1*ap02

1424 sequences assigned
1410 (99%) exact matches, in which:
1379 unique CDR3
13 unique J



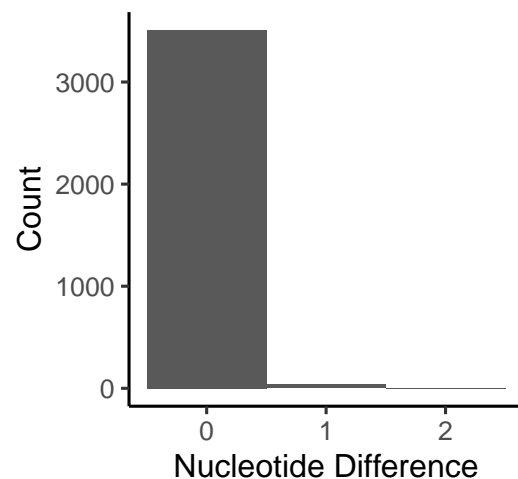
TRBV1*ap01

475 sequences assigned
466 (98.1%) exact matches, in which:
455 unique CDR3
13 unique J



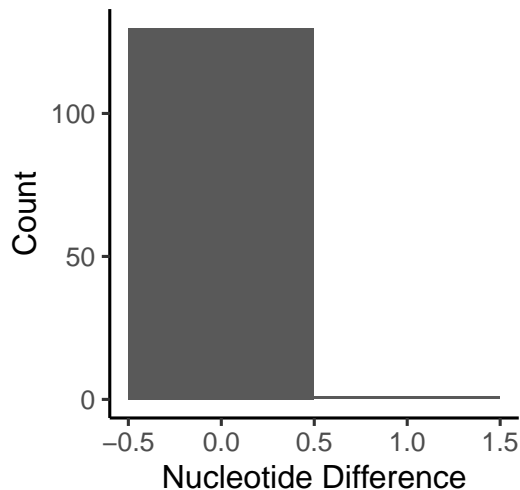
TRBV15*ap02

3547 sequences assigned
3509 (98.9%) exact matches, in which:
3416 unique CDR3
13 unique J



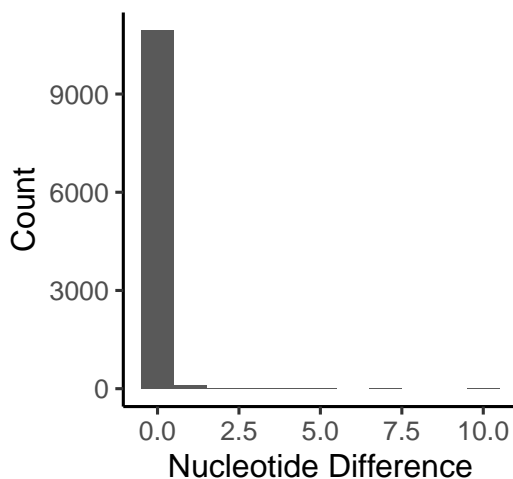
TRBV16*ap01

131 sequences assigned
130 (99.2%) exact matches, in which:
128 unique CDR3
12 unique J



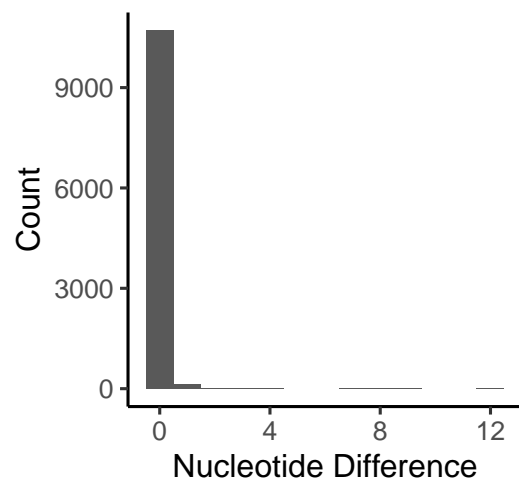
TRBV19*ap01

11078 sequences assigned
10944 (98.8%) exact matches, in which:
10780 unique CDR3
13 unique J



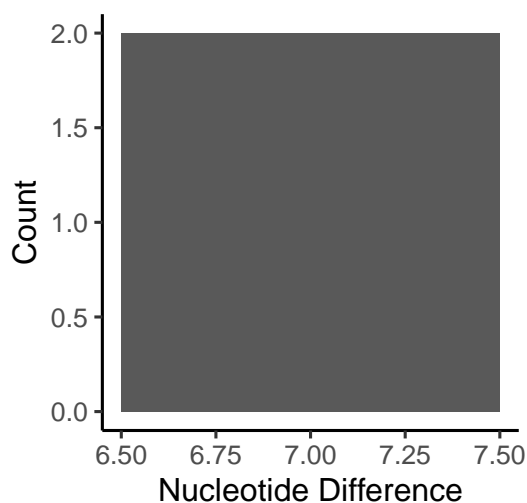
TRBV27*ap01

10866 sequences assigned
10710 (98.6%) exact matches, in which:
10442 unique CDR3
13 unique J



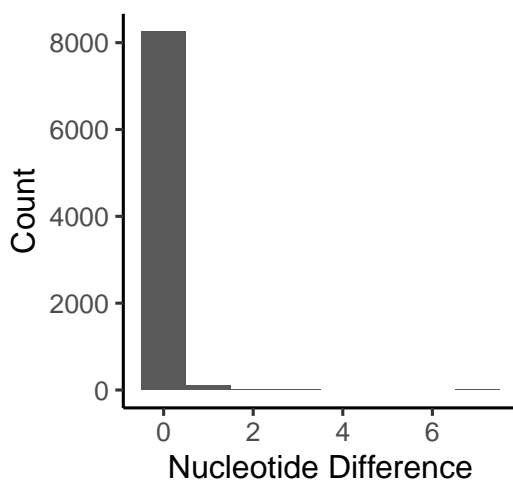
TRBV17*ap01

2 sequences assigned
No exact matches.



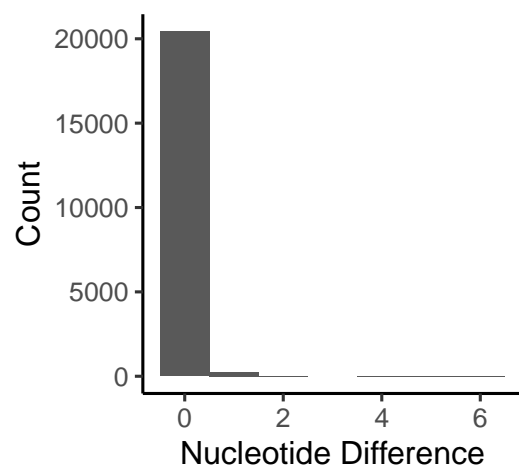
TRBV2*ap01

8360 sequences assigned
8252 (98.7%) exact matches, in which:
8092 unique CDR3
13 unique J



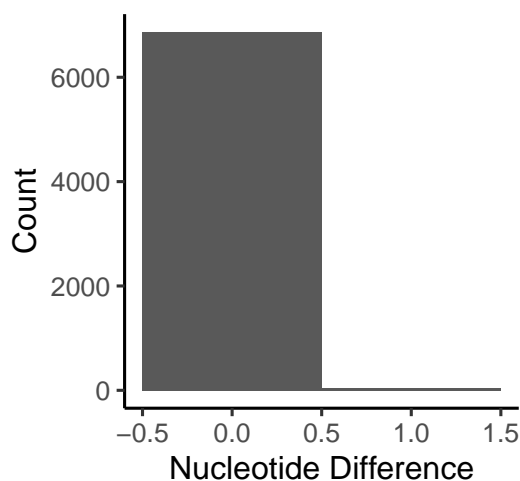
TRBV28*ap01

20686 sequences assigned
20434 (98.8%) exact matches, in which:
19949 unique CDR3
13 unique J



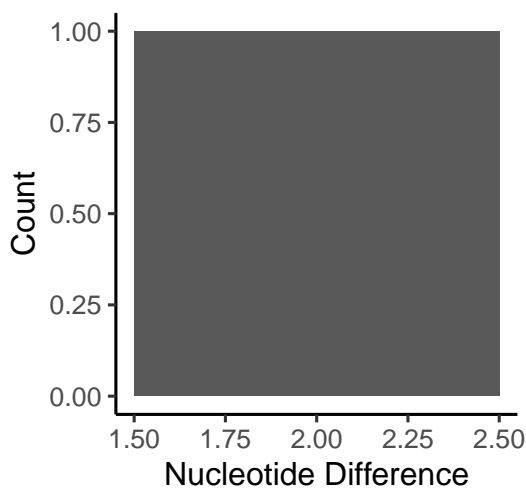
TRBV18*ap01

6914 sequences assigned
6867 (99.3%) exact matches, in which:
6760 unique CDR3
13 unique J



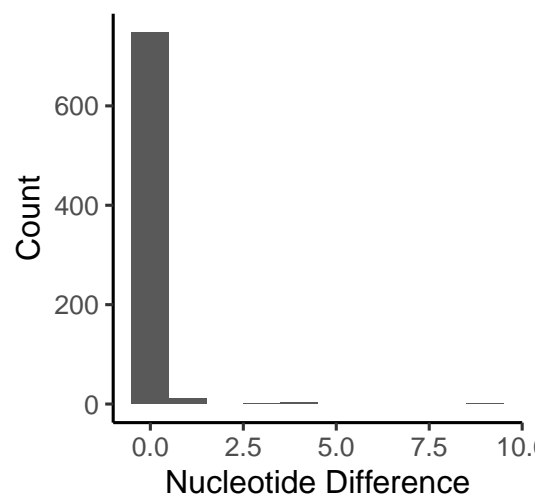
TRBV26*ap01

1 sequences assigned
No exact matches.



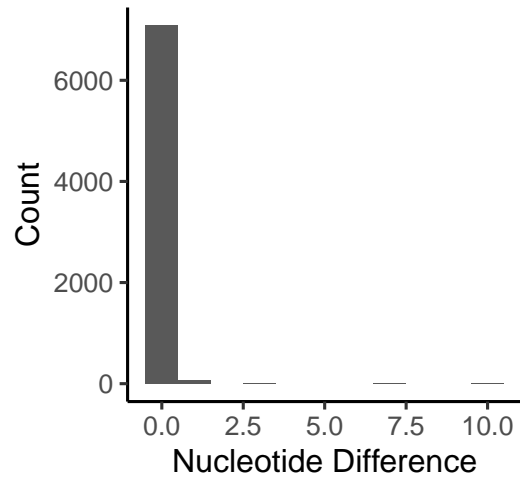
TRBV30*ap02

766 sequences assigned
748 (97.7%) exact matches, in which:
738 unique CDR3
13 unique J



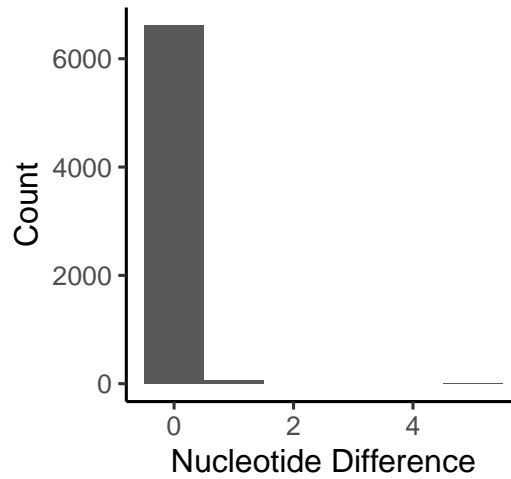
TRBV9*ap01

7158 sequences assigned
7086 (99%) exact matches, in which:
6933 unique CDR3
13 unique J



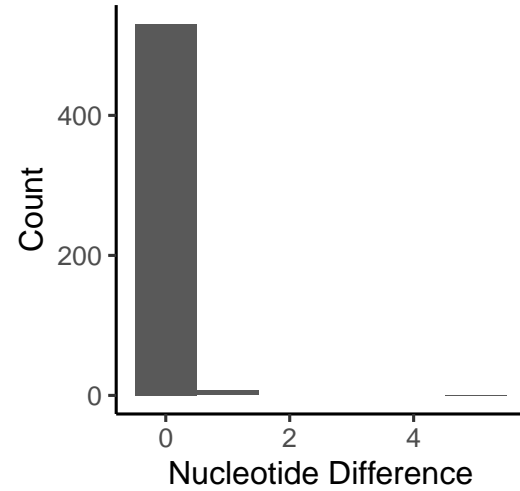
TRBV11-2*ap01

6688 sequences assigned
6615 (98.9%) exact matches, in which:
6460 unique CDR3
13 unique J



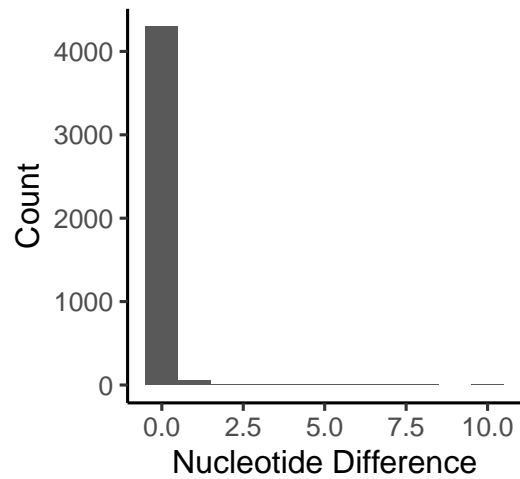
TRBV12-2*ap01

539 sequences assigned
531 (98.5%) exact matches, in which:
514 unique CDR3
13 unique J



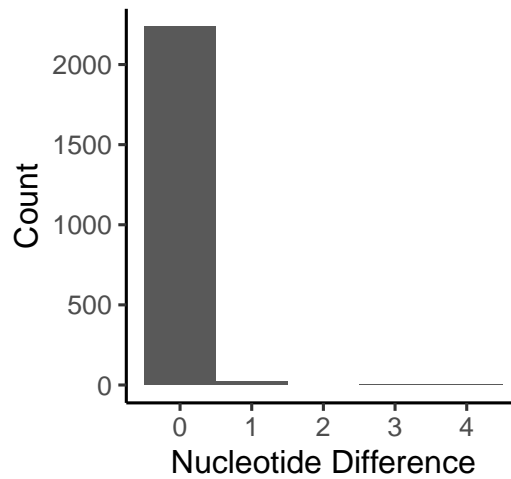
TRBV21-1*ap01

4371 sequences assigned
4296 (98.3%) exact matches, in which:
4198 unique CDR3
13 unique J



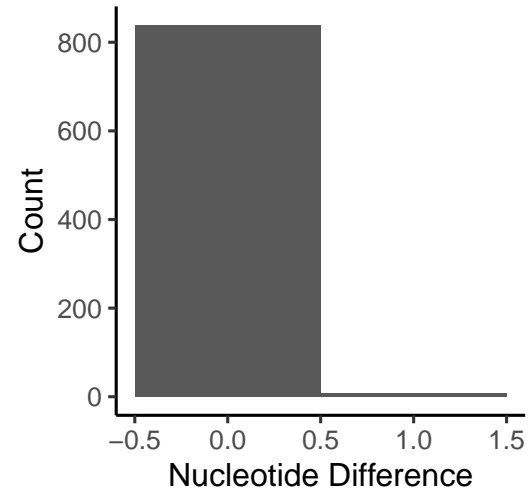
TRBV11-3*ap01

2262 sequences assigned
2236 (98.9%) exact matches, in which:
2196 unique CDR3
13 unique J



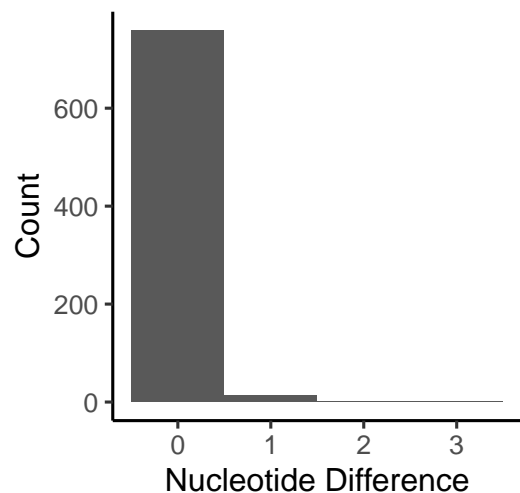
TRBV12-5*ap01

848 sequences assigned
839 (98.9%) exact matches, in which:
820 unique CDR3
13 unique J



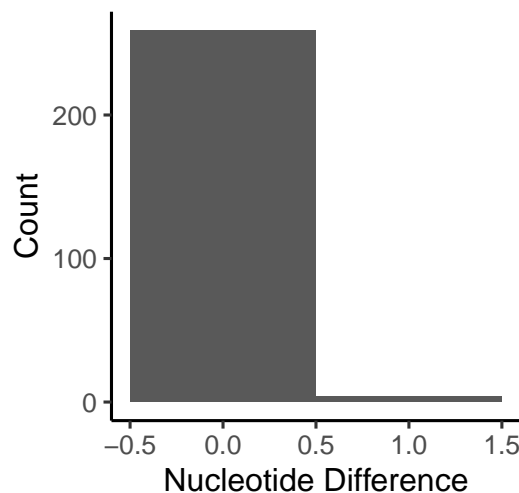
TRBV11-1*ap01

774 sequences assigned
759 (98.1%) exact matches, in which:
741 unique CDR3
13 unique J



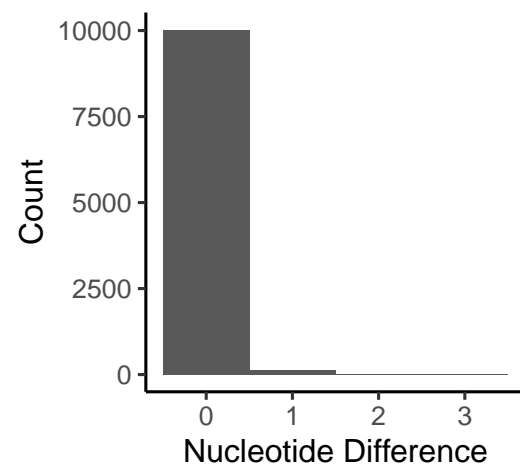
TRBV12-1*ap01

263 sequences assigned
259 (98.5%) exact matches, in which:
254 unique CDR3
13 unique J



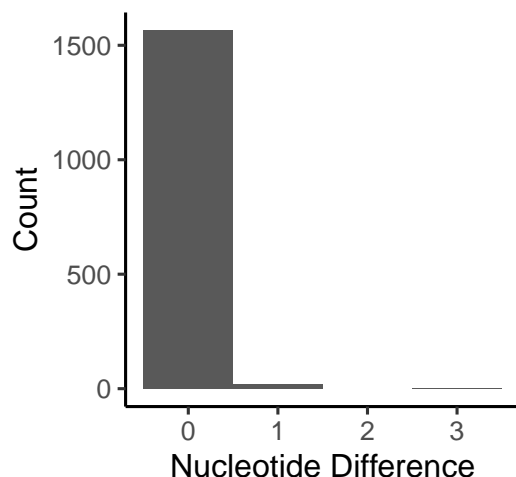
TRBV12-34*ap01

10150 sequences assigned
10022 (98.7%) exact matches, in which:
9808 unique CDR3
13 unique J



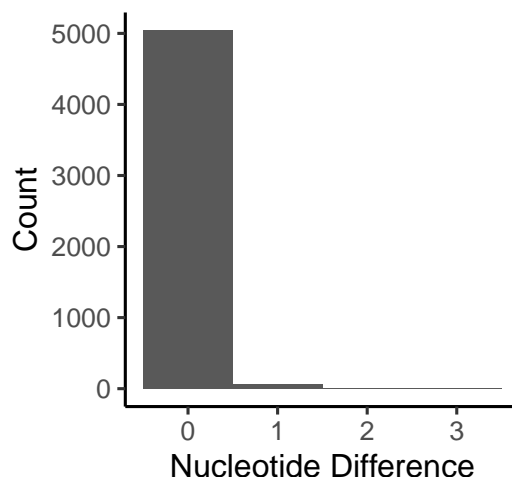
TRBV23-1*ap01

1589 sequences assigned
1565 (98.5%) exact matches, in which:
1524 unique CDR3
13 unique J



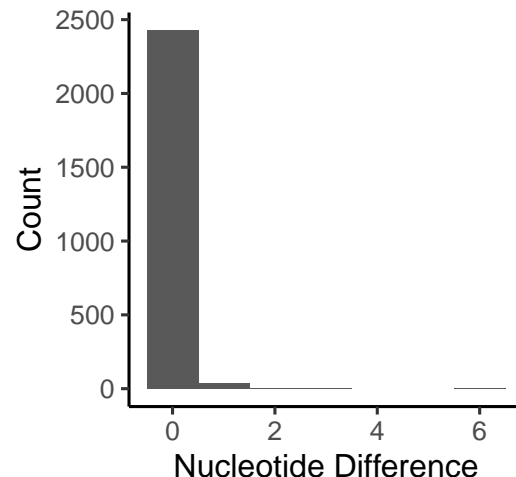
TRBV4-1*ap01

5105 sequences assigned
5042 (98.8%) exact matches, in which:
4927 unique CDR3
14 unique J



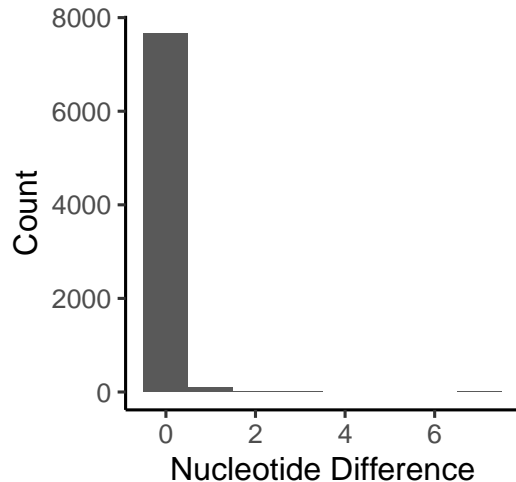
TRBV25-1*ap01

2470 sequences assigned
2427 (98.3%) exact matches, in which:
2391 unique CDR3
13 unique J



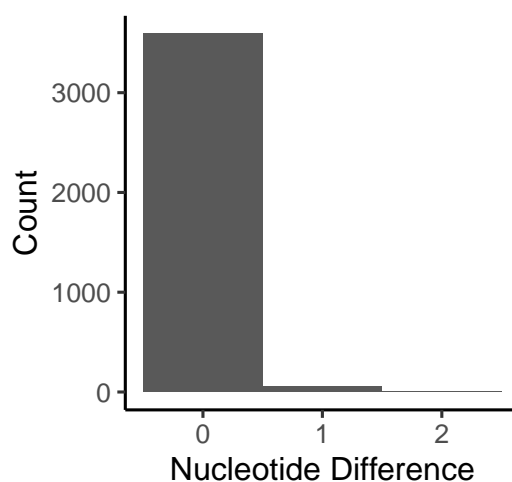
TRBV3-12*ap01

7750 sequences assigned
7656 (98.8%) exact matches, in which:
7476 unique CDR3
13 unique J



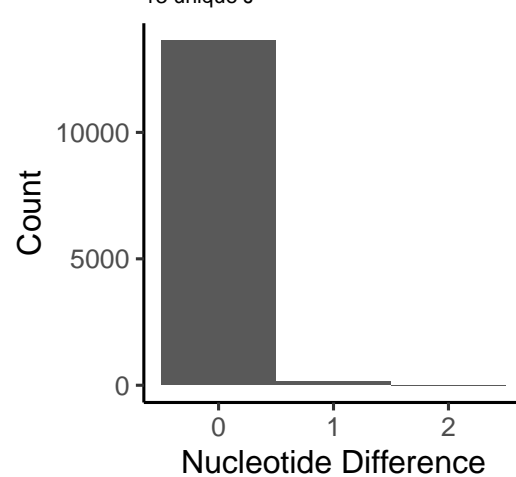
TRBV4-2*ap01

3647 sequences assigned
3591 (98.5%) exact matches, in which:
3499 unique CDR3
13 unique J



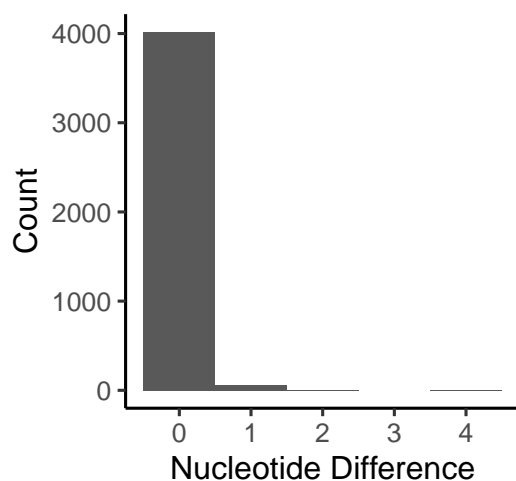
TRBV5-1*ap01

13797 sequences assigned
13635 (98.8%) exact matches, in which:
13285 unique CDR3
13 unique J



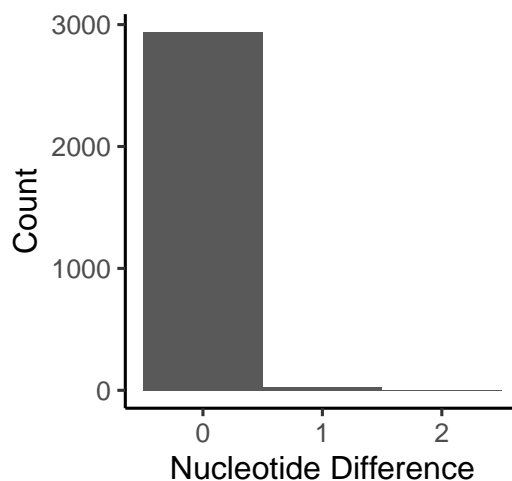
TRBV24-1*ap01

4085 sequences assigned
4017 (98.3%) exact matches, in which:
3953 unique CDR3
13 unique J



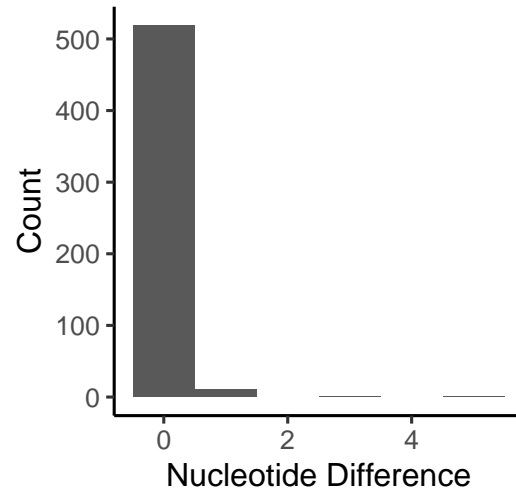
TRBV4-3*ap01

2969 sequences assigned
2939 (99%) exact matches, in which:
2873 unique CDR3
13 unique J



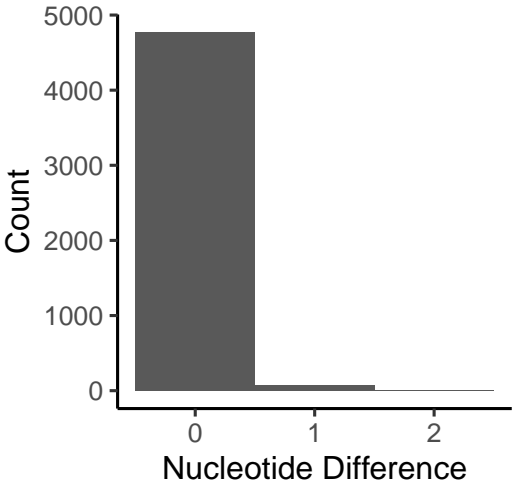
TRBV5-3*ap01

531 sequences assigned
519 (97.7%) exact matches, in which:
508 unique CDR3
13 unique J



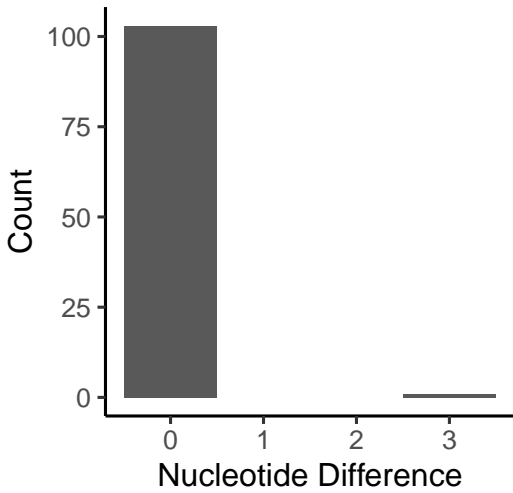
TRBV5-4*ap01

4838 sequences assigned
4769 (98.6%) exact matches, in which:
4664 unique CDR3
13 unique J



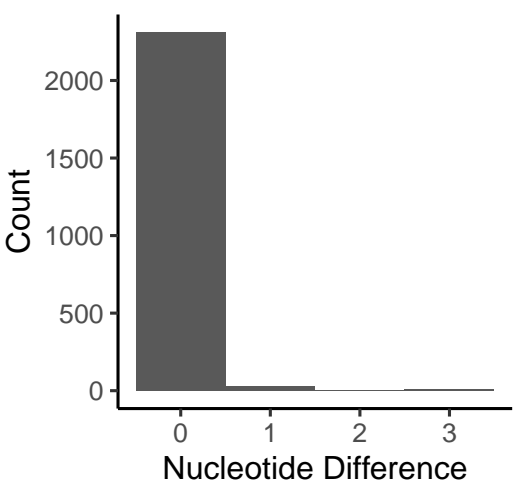
TRBV5-7*ap01

104 sequences assigned
103 (99%) exact matches, in which:
102 unique CDR3
13 unique J



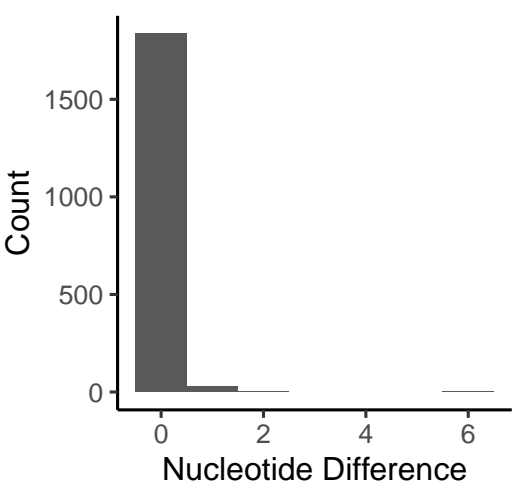
TRBV6-4*ap01

2353 sequences assigned
2310 (98.2%) exact matches, in which:
2259 unique CDR3
13 unique J



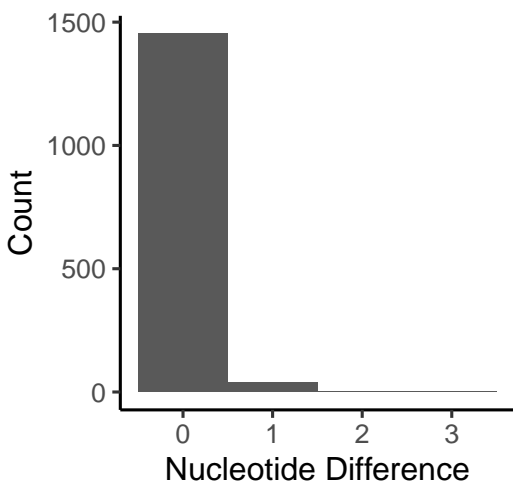
TRBV5-5*ap01

1865 sequences assigned
1836 (98.4%) exact matches, in which:
1801 unique CDR3
13 unique J



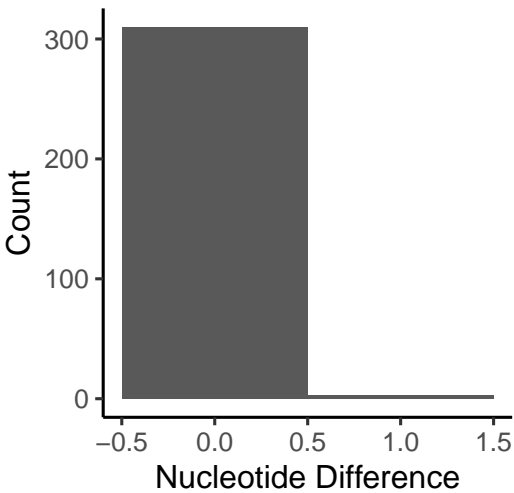
TRBV5-8*ap01

1492 sequences assigned
1453 (97.4%) exact matches, in which:
1415 unique CDR3
13 unique J



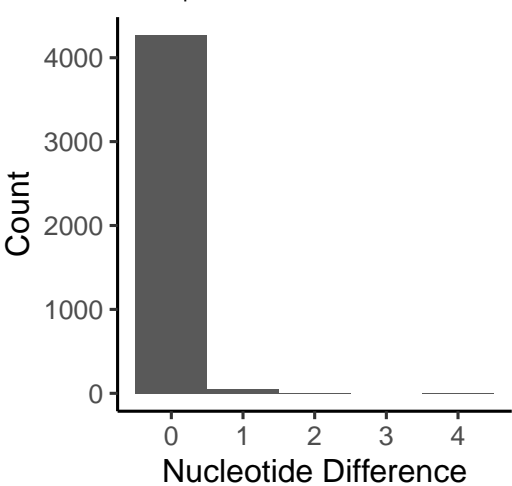
TRBV6-7*ap01

313 sequences assigned
310 (99%) exact matches, in which:
303 unique CDR3
13 unique J



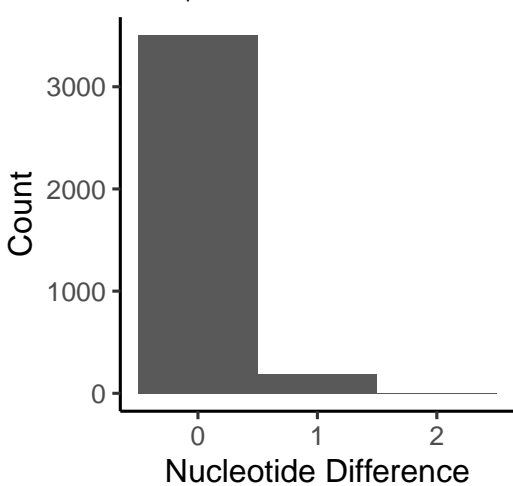
TRBV5-6*ap01

4326 sequences assigned
4270 (98.7%) exact matches, in which:
4150 unique CDR3
13 unique J



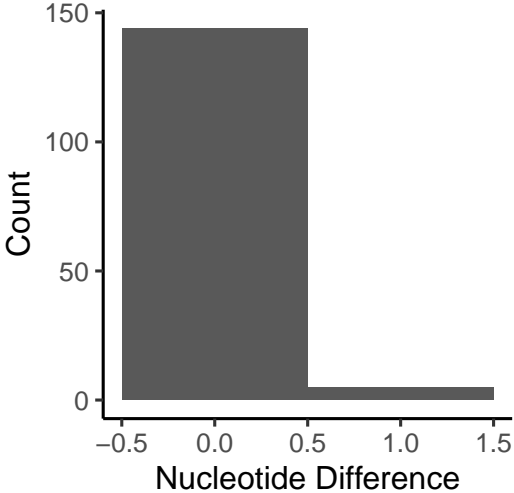
TRBV6-1*ap01

3699 sequences assigned
3506 (94.8%) exact matches, in which:
3419 unique CDR3
13 unique J



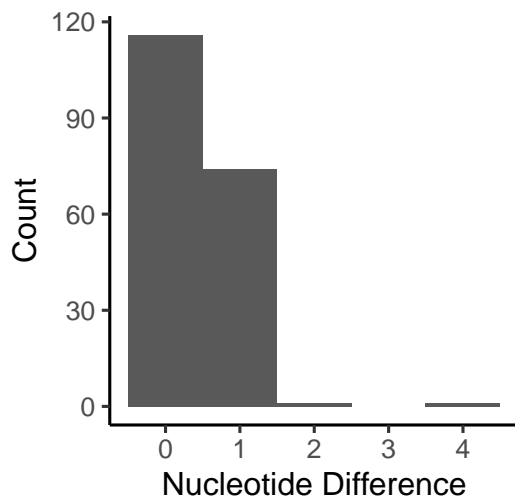
TRBV6-8*ap01

149 sequences assigned
144 (96.6%) exact matches, in which:
140 unique CDR3
13 unique J



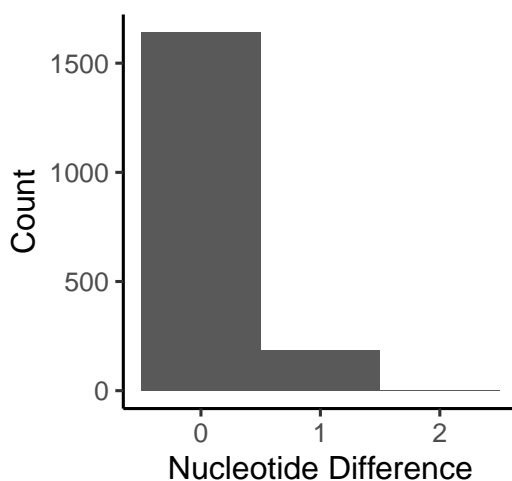
TRBV6-9*ap01

192 sequences assigned
116 (60.4%) exact matches, in which:
113 unique CDR3
13 unique J



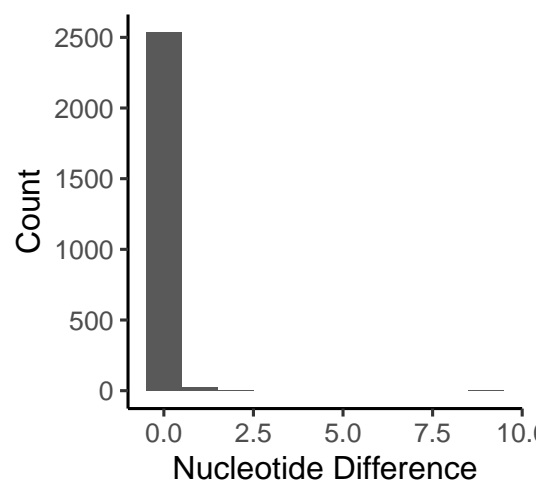
TRBV6-56*ap02

1828 sequences assigned
1641 (89.8%) exact matches, in which:
1597 unique CDR3
13 unique J



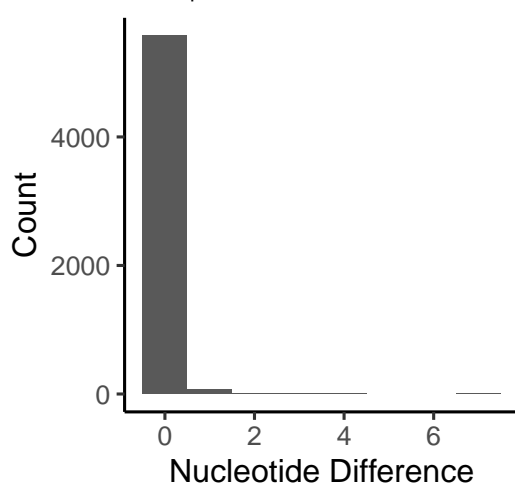
TRBV7-3*ap01

2564 sequences assigned
2535 (98.9%) exact matches, in which:
2488 unique CDR3
13 unique J



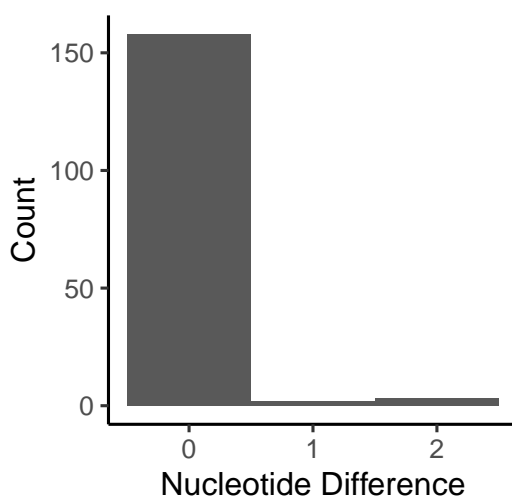
TRBV6-23*ap01

5645 sequences assigned
5575 (98.8%) exact matches, in which:
5449 unique CDR3
13 unique J



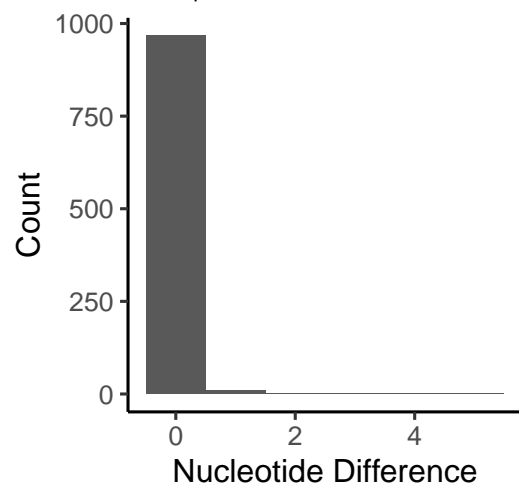
TRBV7-1*ap01_G291C_

163 sequences assigned
158 (96.9%) exact matches, in which:
149 unique CDR3
13 unique J



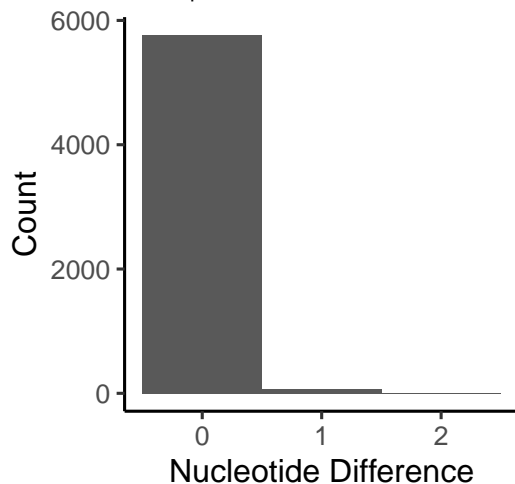
TRBV7-3*ap03

982 sequences assigned
967 (98.5%) exact matches, in which:
946 unique CDR3
13 unique J



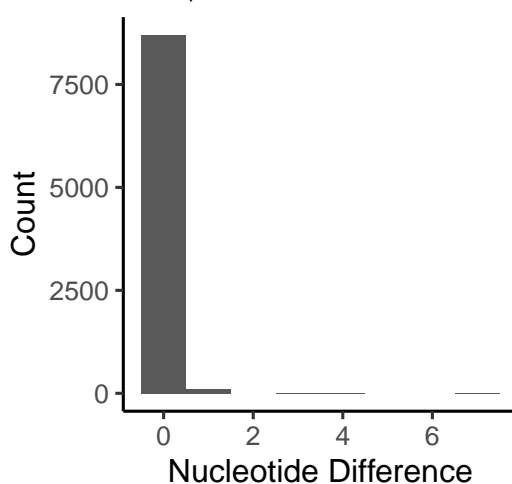
TRBV6-56*ap01

5833 sequences assigned
5765 (98.8%) exact matches, in which:
5611 unique CDR3
13 unique J



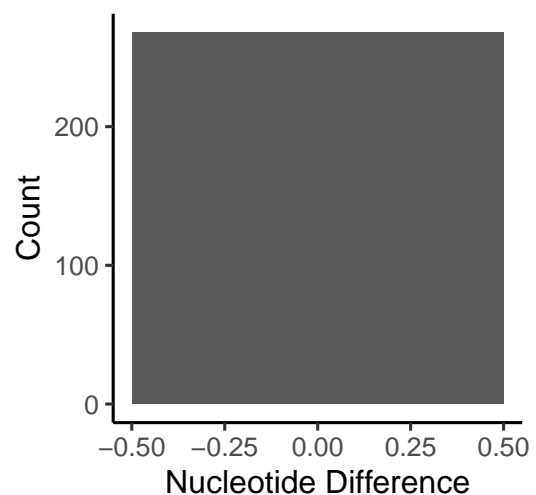
TRBV7-2*ap01

8801 sequences assigned
8699 (98.8%) exact matches, in which:
8482 unique CDR3
13 unique J



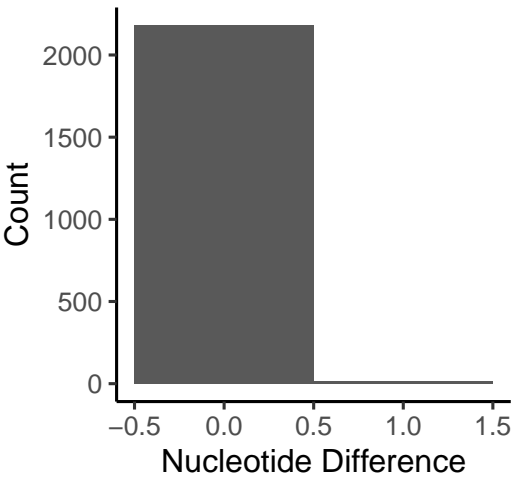
TRBV7-4*ap01

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



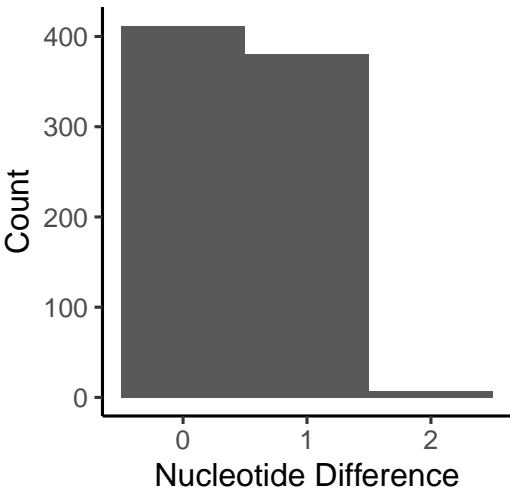
TRBV7-6*ap01

2194 sequences assigned
2180 (99.4%) exact matches, in which:
2121 unique CDR3
13 unique J



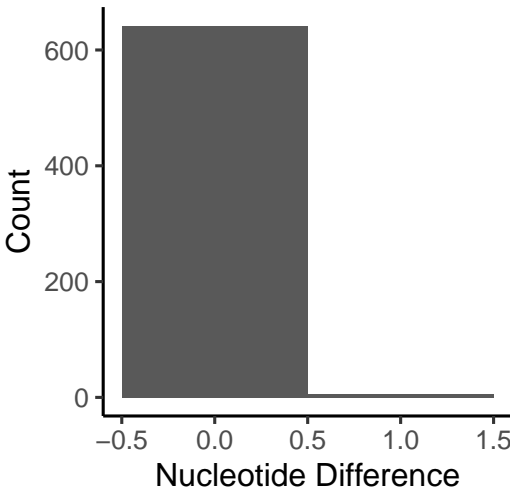
TRBV7-8*ap03

800 sequences assigned
412 (51.5%) exact matches, in which:
401 unique CDR3
13 unique J



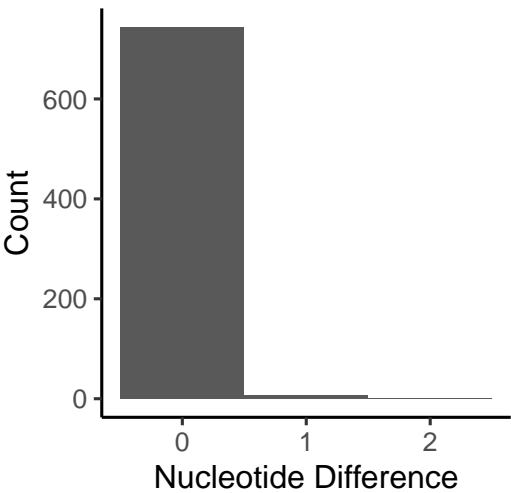
TRBV29-1*ap02

648 sequences assigned
642 (99.1%) exact matches, in which:
631 unique CDR3
13 unique J



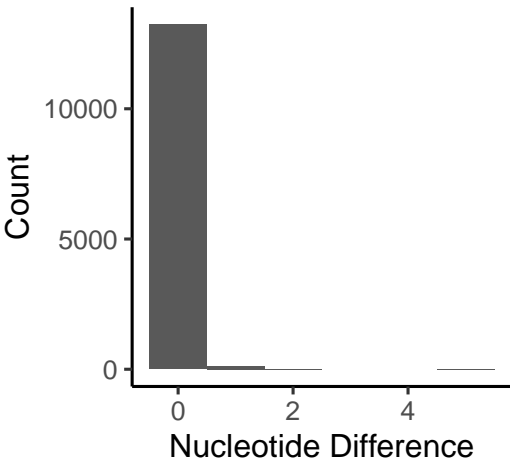
TRBV7-7*ap01_C315T

753 sequences assigned
744 (98.8%) exact matches, in which:
732 unique CDR3
13 unique J



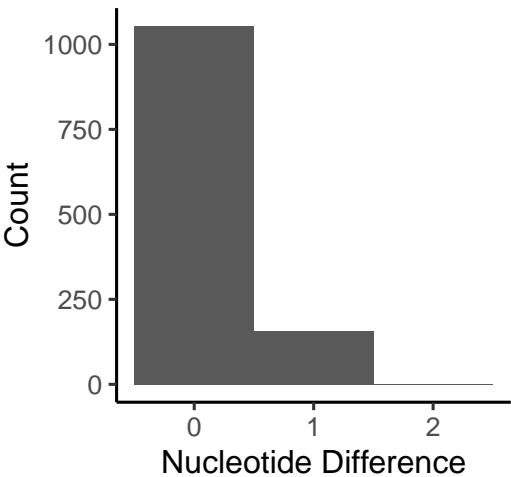
TRBV7-9*ap01

13370 sequences assigned
13237 (99%) exact matches, in which:
13009 unique CDR3
13 unique J



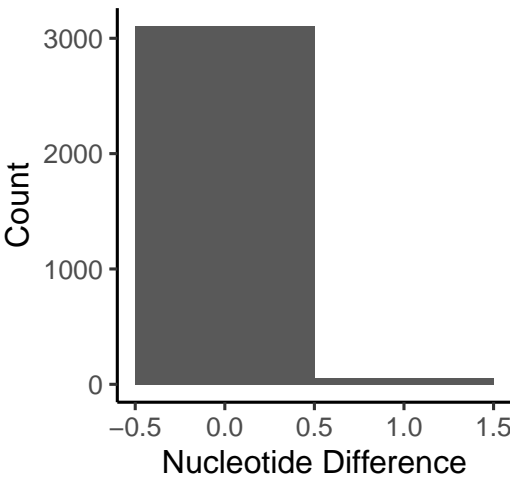
TRBV7-8*ap01

1212 sequences assigned
1054 (87%) exact matches, in which:
1026 unique CDR3
13 unique J

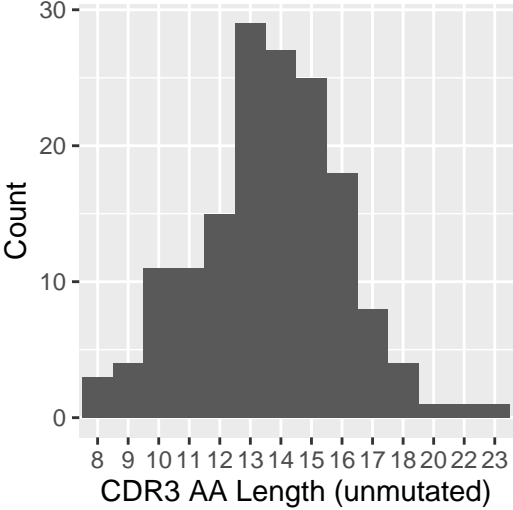


TRBV29-1*ap01

3159 sequences assigned
3106 (98.3%) exact matches, in which:
3058 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

