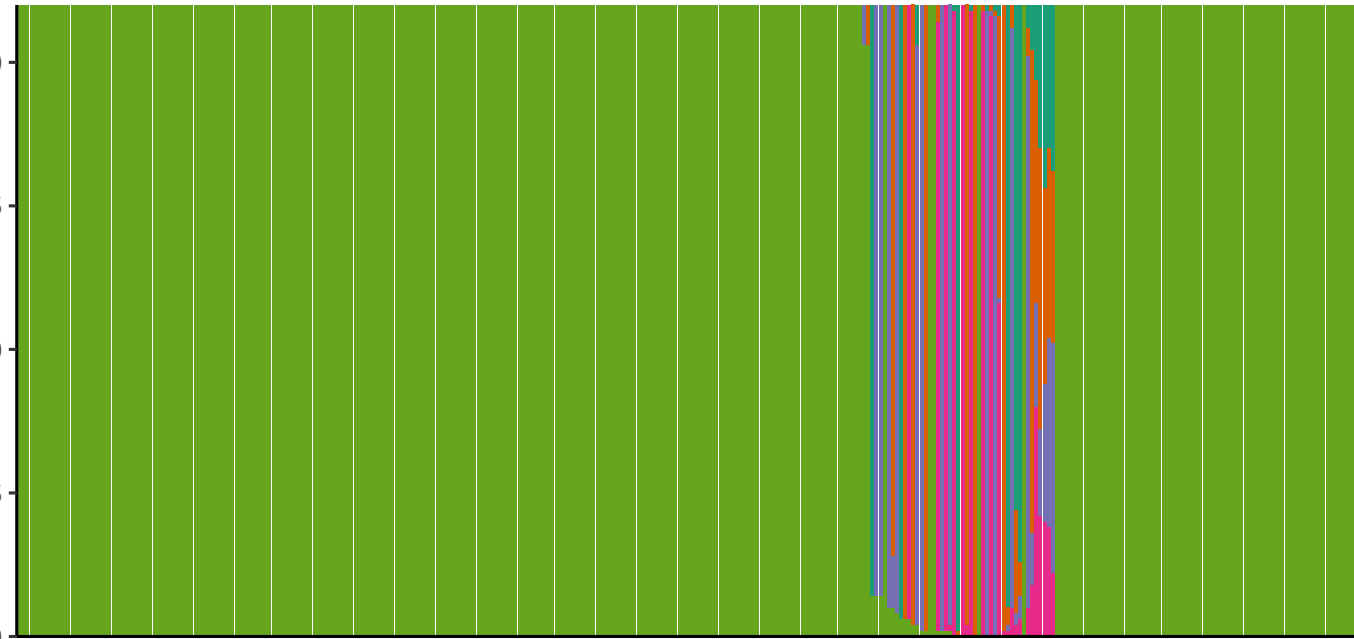


Gene TRBV7-1*ap01_T296C

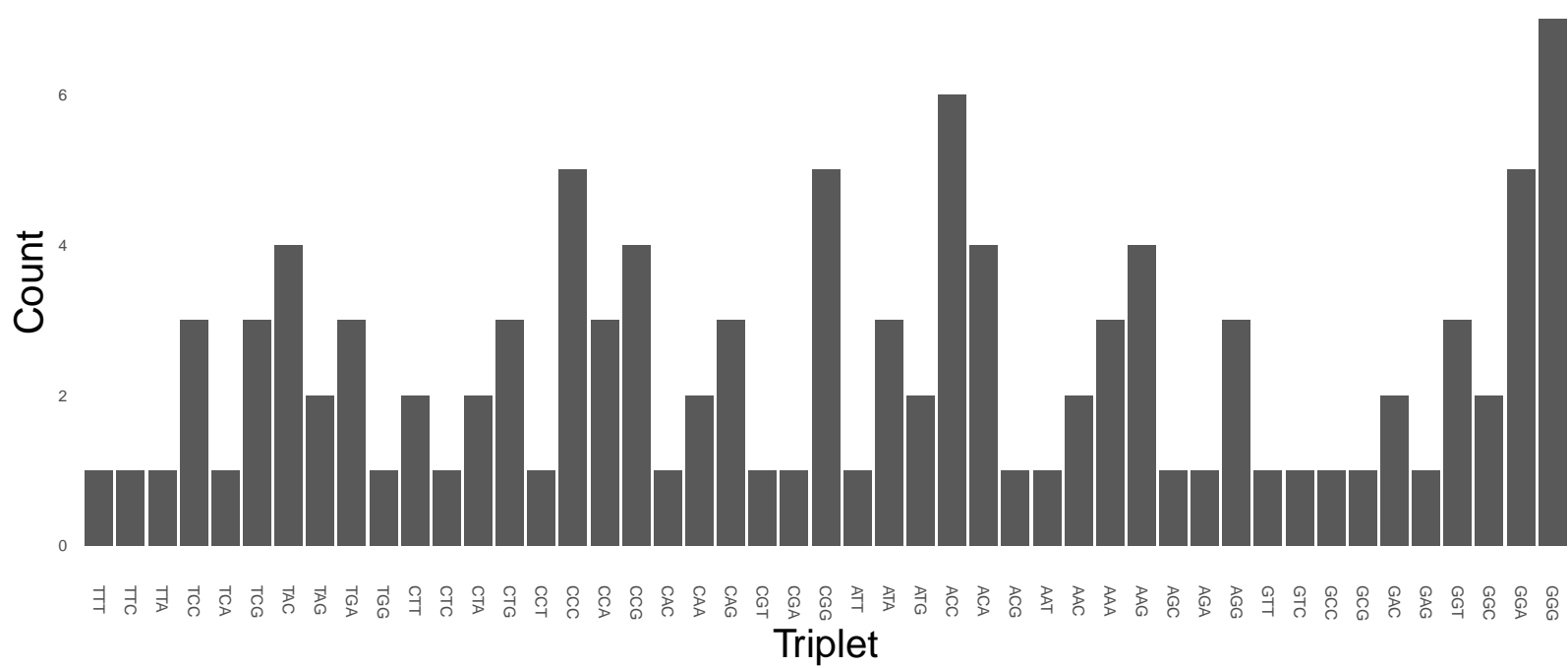
Count

100
75
50
25
0

Position

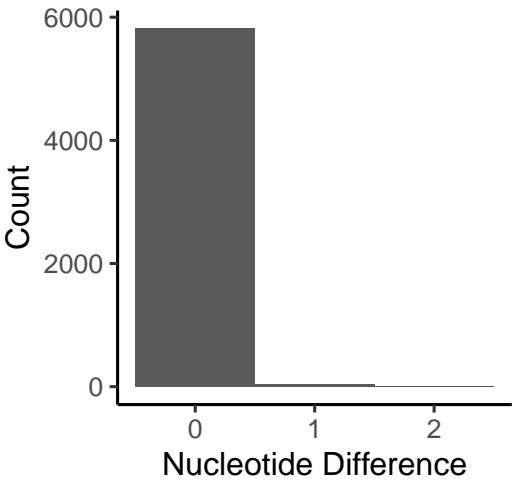


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



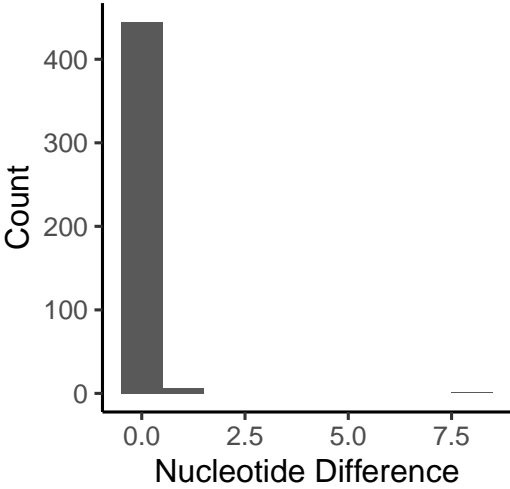
TRBV20-1*ap01

5858 sequences assigned
5818 (99.3%) exact matches, in which:
5781 unique CDR3
14 unique J



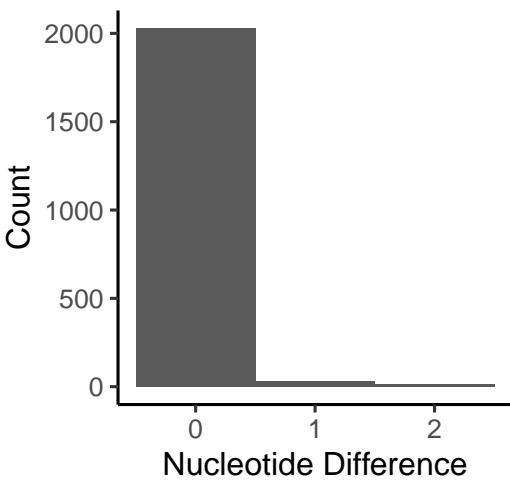
TRBV10-2*ap01

452 sequences assigned
445 (98.5%) exact matches, in which:
436 unique CDR3
13 unique J



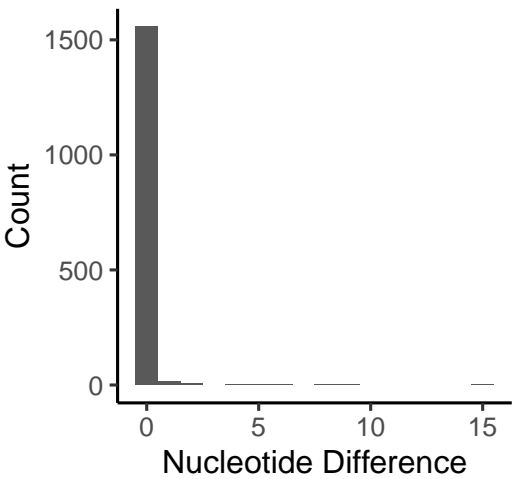
TRBV13*ap01

2077 sequences assigned
2028 (97.6%) exact matches, in which:
1990 unique CDR3
13 unique J



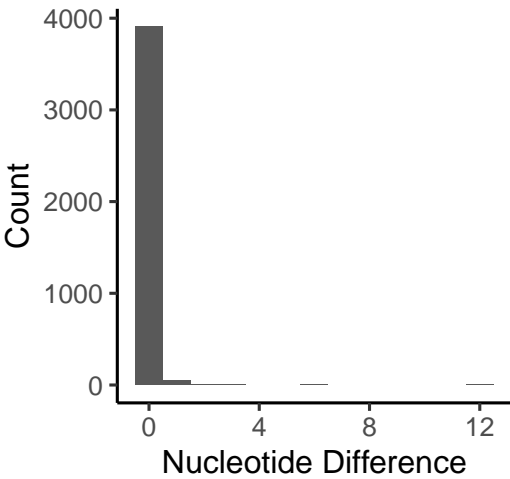
TRBV10-1*ap01

1587 sequences assigned
1557 (98.1%) exact matches, in which:
1537 unique CDR3
13 unique J



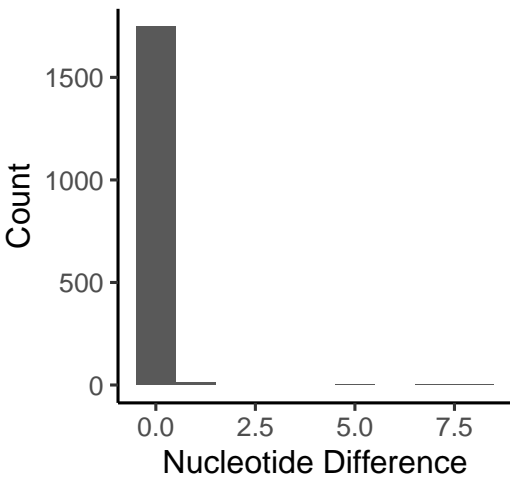
TRBV10-3*ap01

3961 sequences assigned
3907 (98.6%) exact matches, in which:
3864 unique CDR3
13 unique J



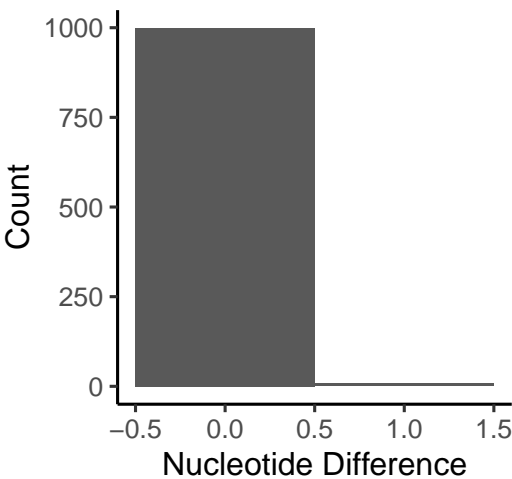
TRBV14*ap01

1762 sequences assigned
1747 (99.1%) exact matches, in which:
1731 unique CDR3
13 unique J



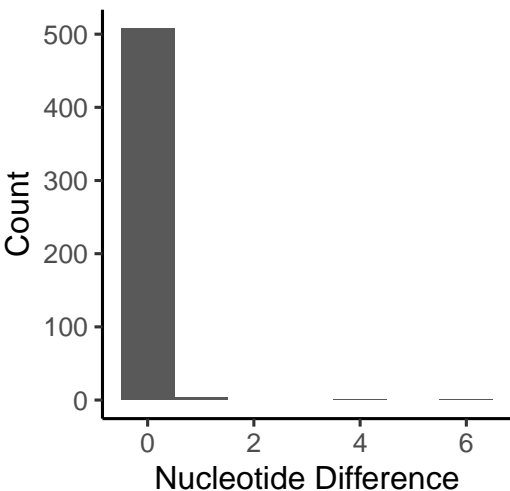
TRBV20-1*ap02

1007 sequences assigned
999 (99.2%) exact matches, in which:
996 unique CDR3
13 unique J



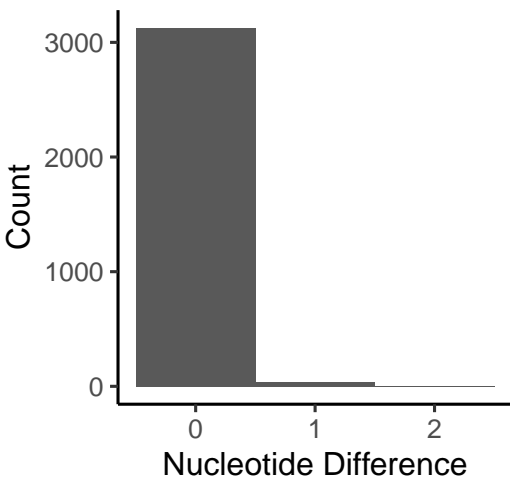
TRBV1*ap01

514 sequences assigned
508 (98.8%) exact matches, in which:
501 unique CDR3
13 unique J



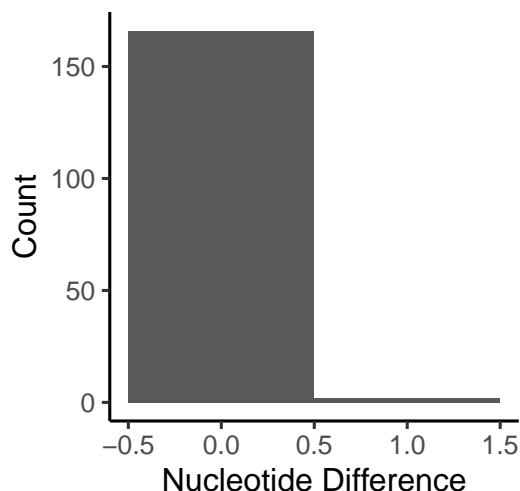
TRBV15*ap02

3164 sequences assigned
3125 (98.8%) exact matches, in which:
3085 unique CDR3
13 unique J



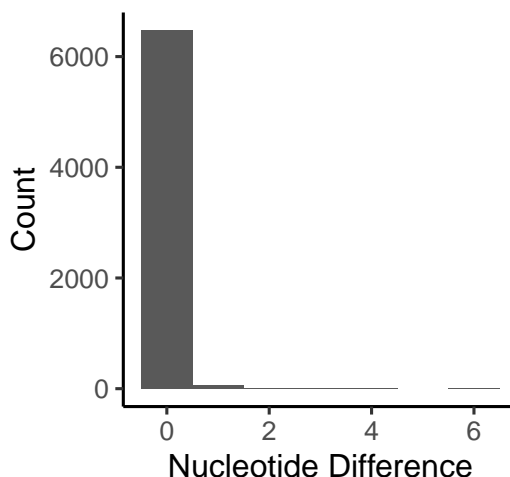
TRBV16*ap01

168 sequences assigned
166 (98.8%) exact matches, in which:
166 unique CDR3
13 unique J



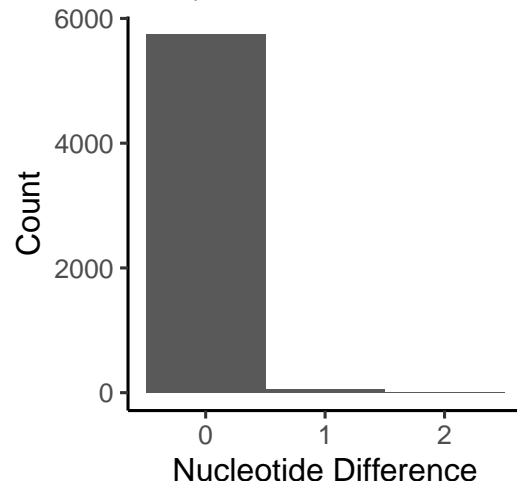
TRBV19*ap01

6534 sequences assigned
6473 (99.1%) exact matches, in which:
6432 unique CDR3
13 unique J



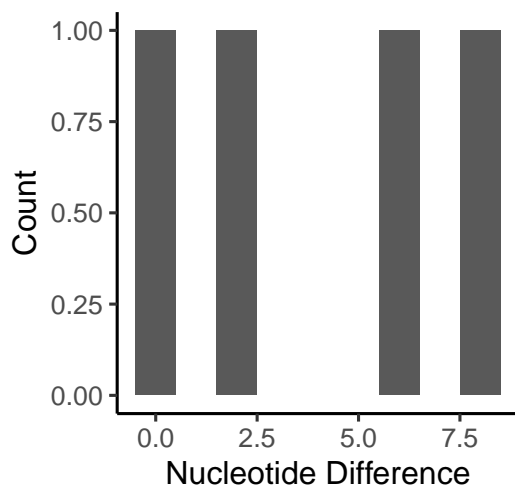
TRBV28*ap01

5807 sequences assigned
5744 (98.9%) exact matches, in which:
5692 unique CDR3
13 unique J



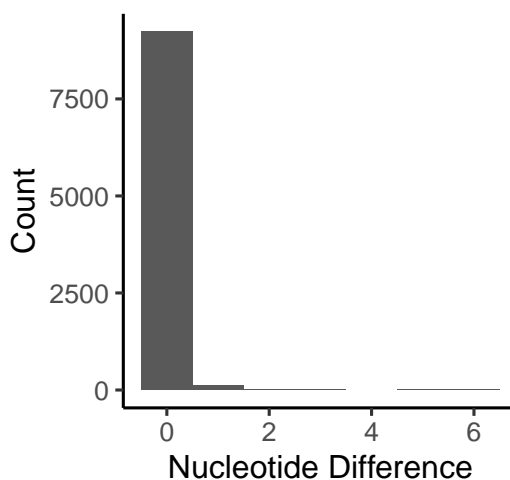
TRBV17*ap01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



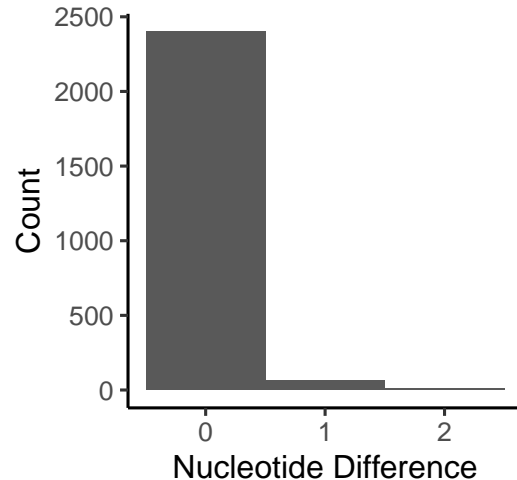
TRBV2*ap01

9355 sequences assigned
9231 (98.7%) exact matches, in which:
9121 unique CDR3
13 unique J



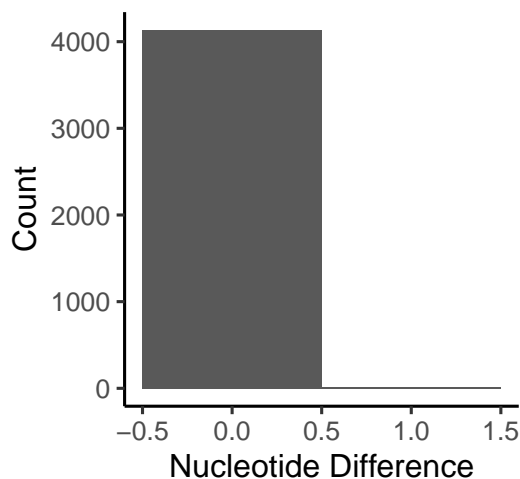
TRBV30*ap01

2476 sequences assigned
2400 (96.9%) exact matches, in which:
2332 unique CDR3
13 unique J



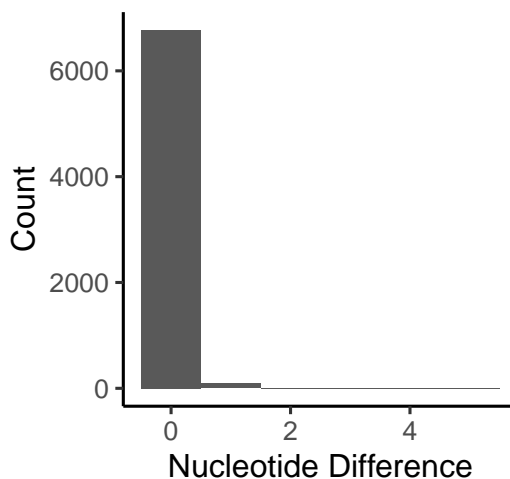
TRBV18*ap01

4152 sequences assigned
4134 (99.6%) exact matches, in which:
4105 unique CDR3
13 unique J



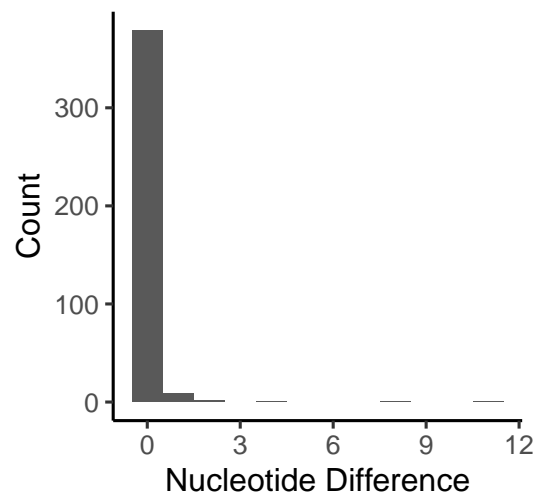
TRBV27*ap01

6871 sequences assigned
6771 (98.5%) exact matches, in which:
6711 unique CDR3
13 unique J



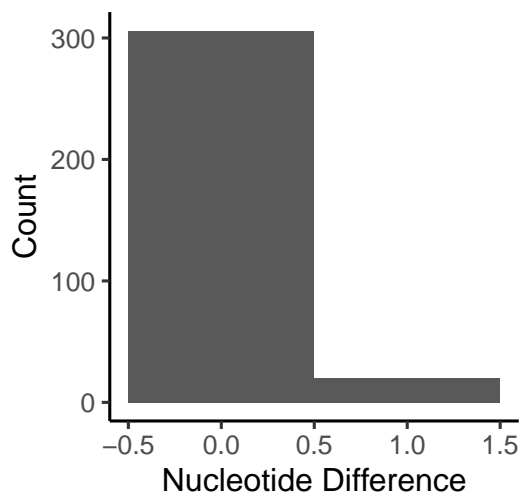
TRBV30*ap02

393 sequences assigned
379 (96.4%) exact matches, in which:
367 unique CDR3
13 unique J



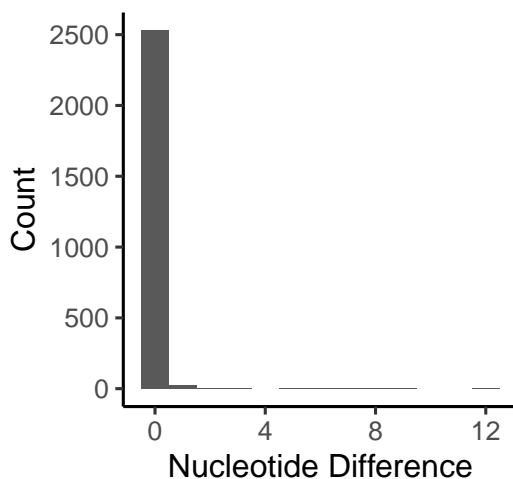
TRBV30*ap03

326 sequences assigned
306 (93.9%) exact matches, in which:
296 unique CDR3
13 unique J



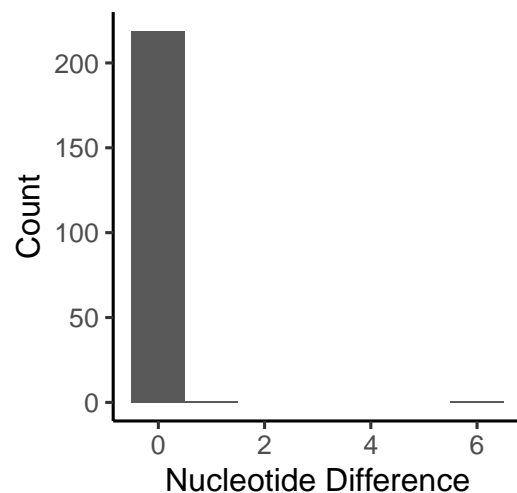
TRBV21-1*ap01

2574 sequences assigned
2530 (98.3%) exact matches, in which:
2518 unique CDR3
13 unique J



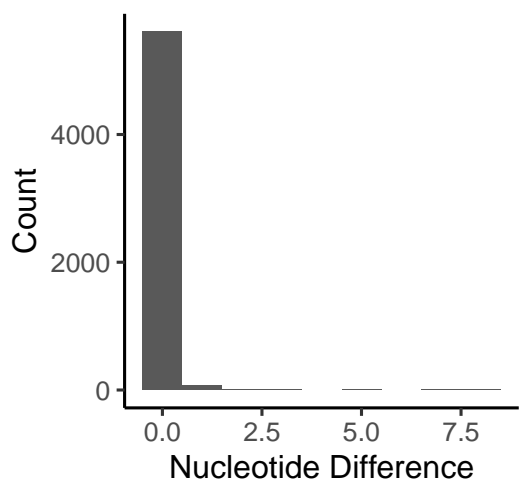
TRBV12-1*ap01

221 sequences assigned
219 (99.1%) exact matches, in which:
218 unique CDR3
13 unique J



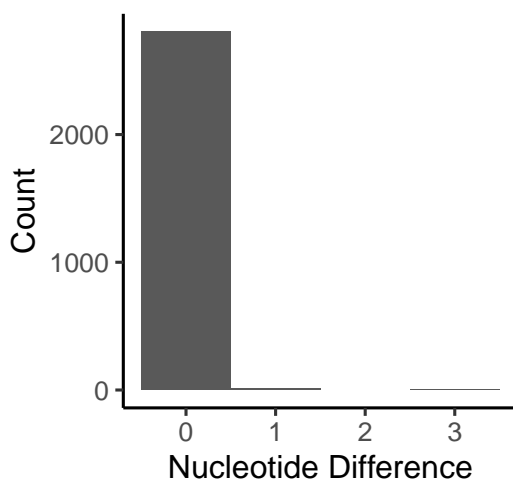
TRBV9*ap01

5684 sequences assigned
5609 (98.7%) exact matches, in which:
5559 unique CDR3
13 unique J



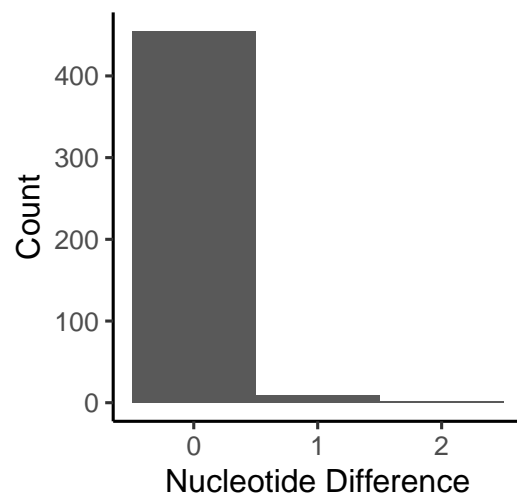
TRBV11-2*ap01

2820 sequences assigned
2805 (99.5%) exact matches, in which:
2792 unique CDR3
13 unique J



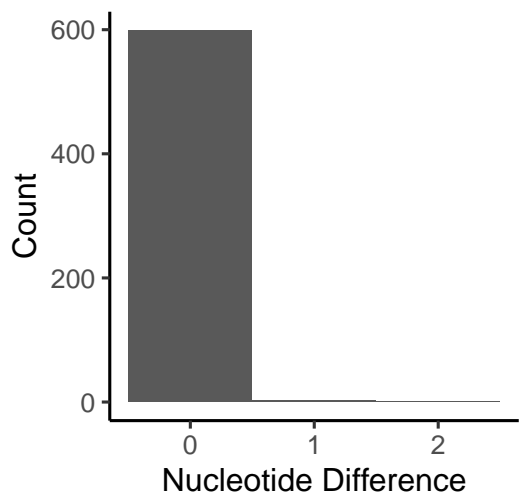
TRBV12-2*ap01

466 sequences assigned
455 (97.6%) exact matches, in which:
451 unique CDR3
13 unique J



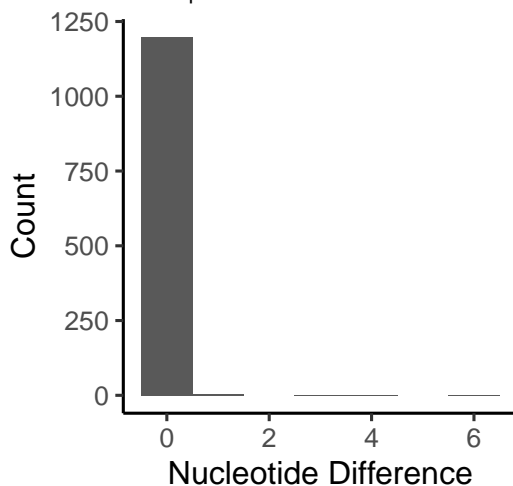
TRBV11-1*ap01

602 sequences assigned
599 (99.5%) exact matches, in which:
596 unique CDR3
13 unique J



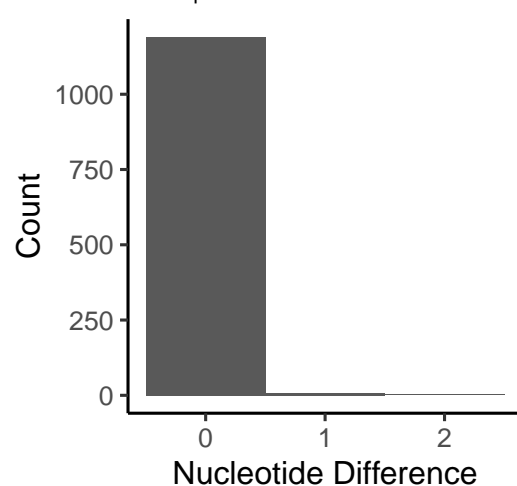
TRBV11-3*ap01

1206 sequences assigned
1198 (99.3%) exact matches, in which:
1195 unique CDR3
13 unique J



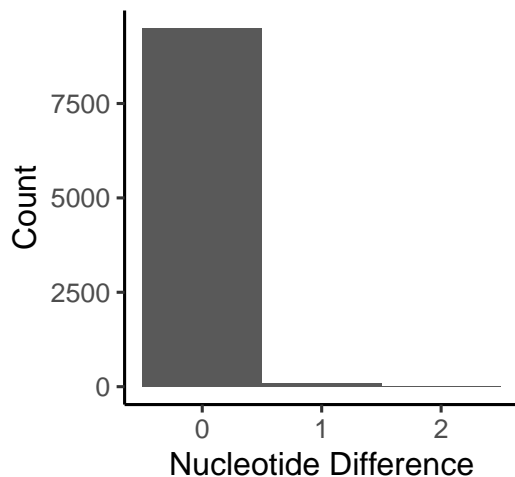
TRBV12-5*ap01

1201 sequences assigned
1190 (99.1%) exact matches, in which:
1183 unique CDR3
13 unique J



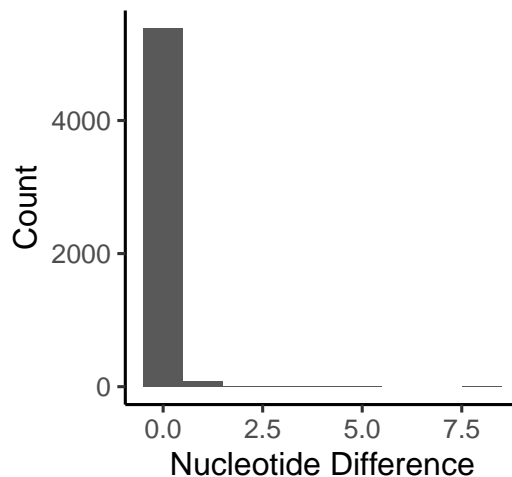
TRBV12-34*ap01

9598 sequences assigned
9489 (98.9%) exact matches, in which:
9408 unique CDR3
13 unique J



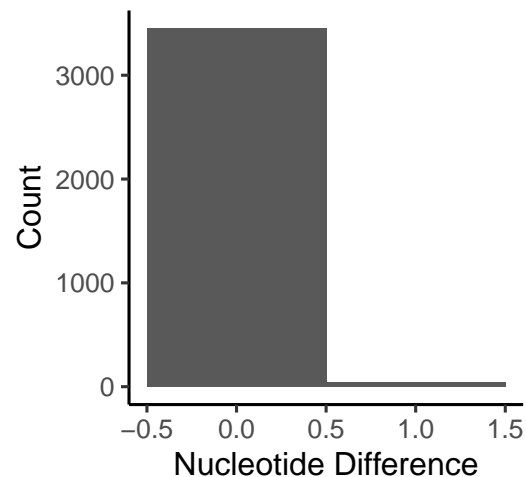
TRBV24-1*ap01

5474 sequences assigned
5384 (98.4%) exact matches, in which:
5323 unique CDR3
13 unique J



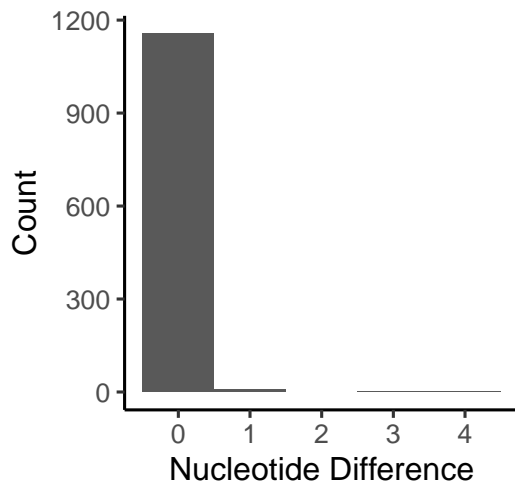
TRBV4-3*ap01

3490 sequences assigned
3451 (98.9%) exact matches, in which:
3418 unique CDR3
13 unique J



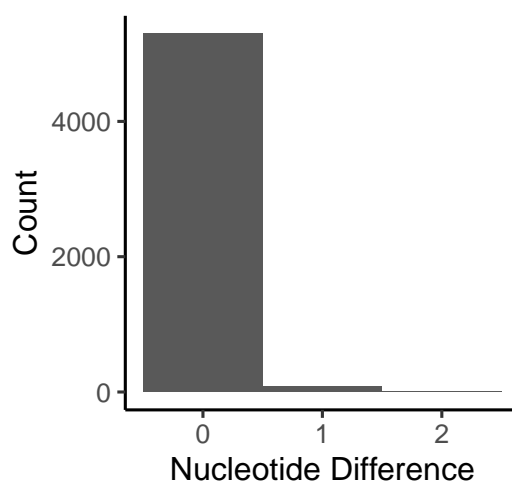
TRBV23-1*ap01

1166 sequences assigned
1156 (99.1%) exact matches, in which:
1142 unique CDR3
13 unique J



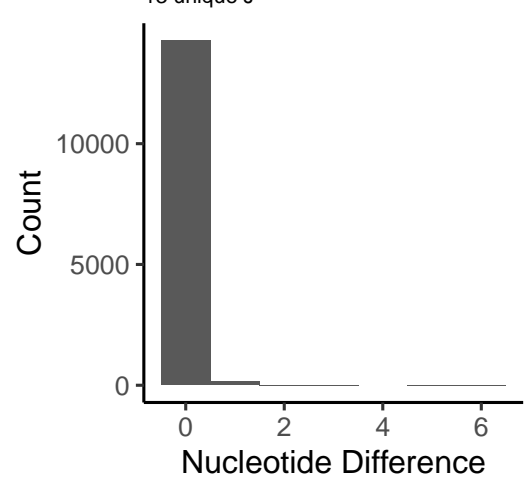
TRBV4-1*ap01

5390 sequences assigned
5296 (98.3%) exact matches, in which:
5229 unique CDR3
13 unique J



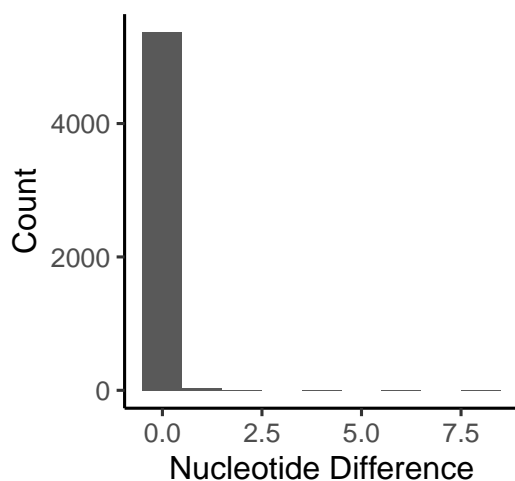
TRBV5-1*ap01

14443 sequences assigned
14272 (98.8%) exact matches, in which:
14109 unique CDR3
13 unique J



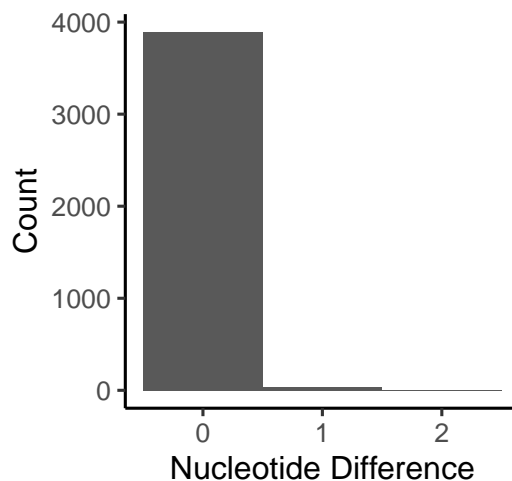
TRBV3-12*ap01

5415 sequences assigned
5372 (99.2%) exact matches, in which:
5340 unique CDR3
13 unique J



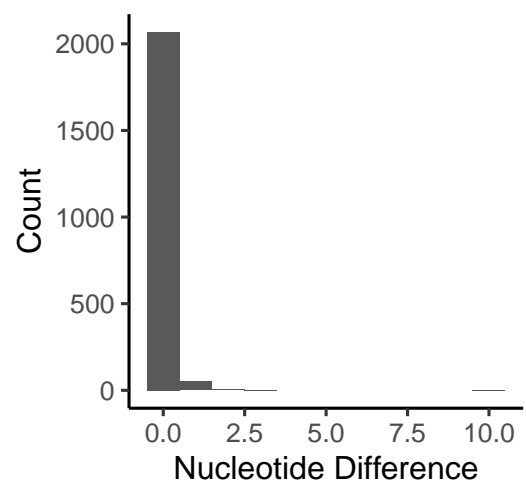
TRBV4-2*ap01

3932 sequences assigned
3892 (99%) exact matches, in which:
3856 unique CDR3
13 unique J



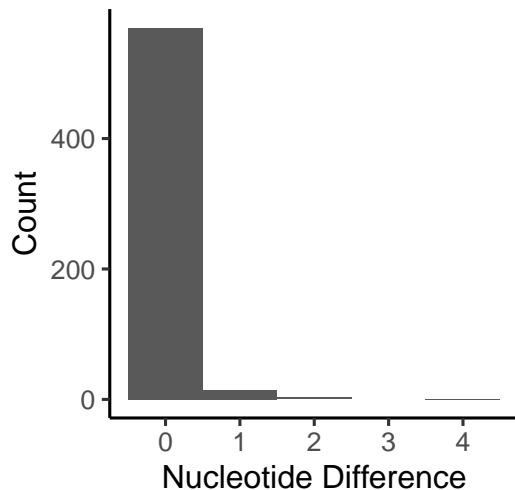
TRBV25-1*ap01

2124 sequences assigned
2068 (97.4%) exact matches, in which:
2023 unique CDR3
13 unique J



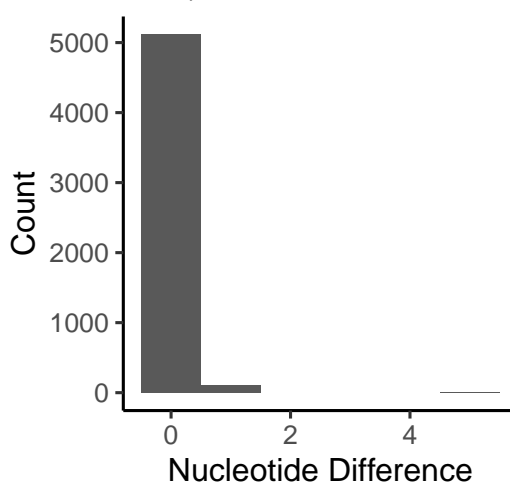
TRBV5-3*ap01

588 sequences assigned
570 (96.9%) exact matches, in which:
564 unique CDR3
13 unique J



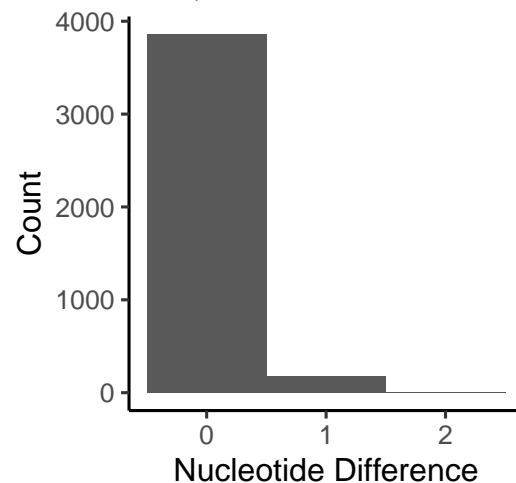
TRBV5-6*ap01

5232 sequences assigned
5117 (97.8%) exact matches, in which:
5031 unique CDR3
13 unique J



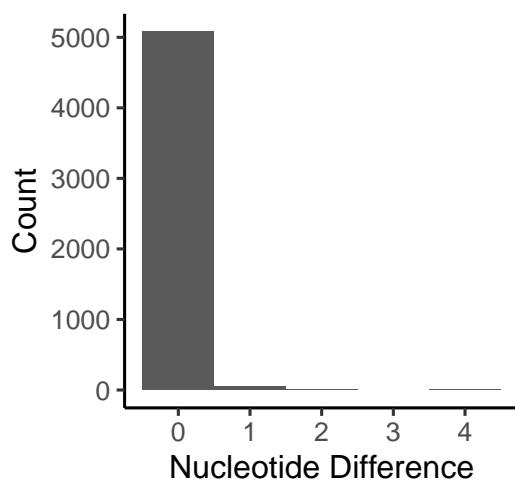
TRBV6-1*ap01

4041 sequences assigned
3858 (95.5%) exact matches, in which:
3804 unique CDR3
13 unique J



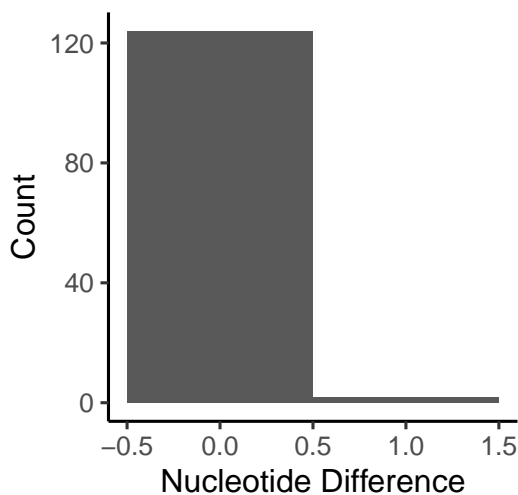
TRBV5-4*ap01

5138 sequences assigned
5079 (98.9%) exact matches, in which:
5024 unique CDR3
13 unique J



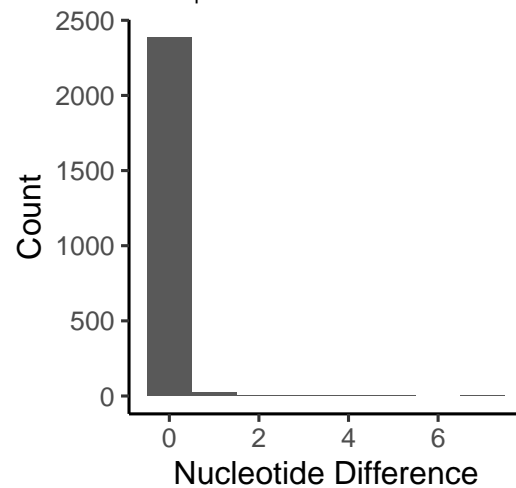
TRBV5-7*ap01

126 sequences assigned
124 (98.4%) exact matches, in which:
118 unique CDR3
12 unique J



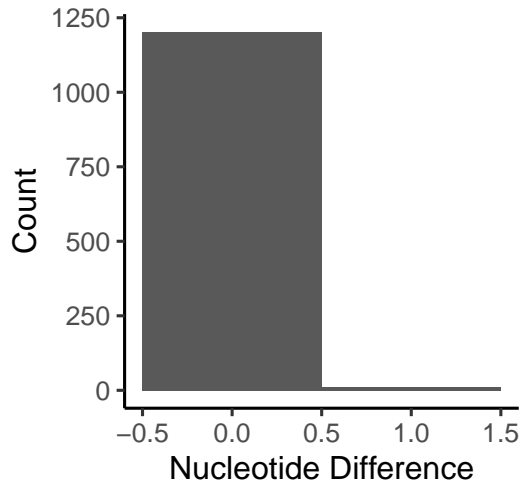
TRBV6-4*ap01

2419 sequences assigned
2384 (98.6%) exact matches, in which:
2364 unique CDR3
13 unique J



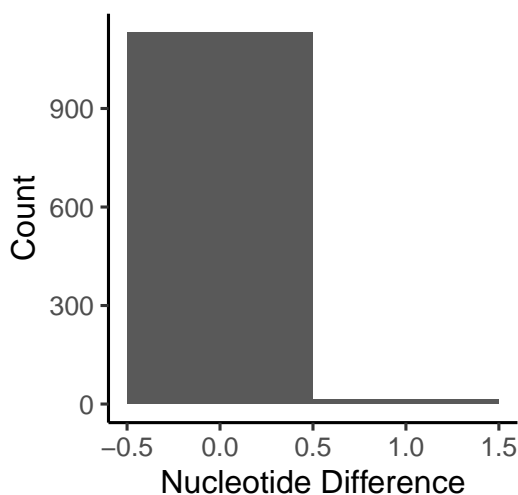
TRBV5-5*ap01

1213 sequences assigned
1202 (99.1%) exact matches, in which:
1198 unique CDR3
13 unique J



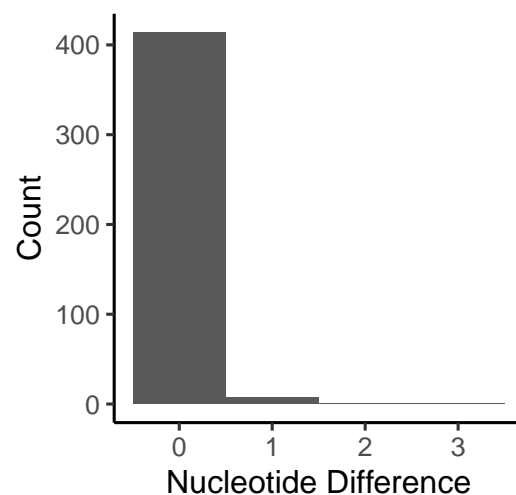
TRBV5-8*ap01

1145 sequences assigned
1132 (98.9%) exact matches, in which:
1125 unique CDR3
13 unique J



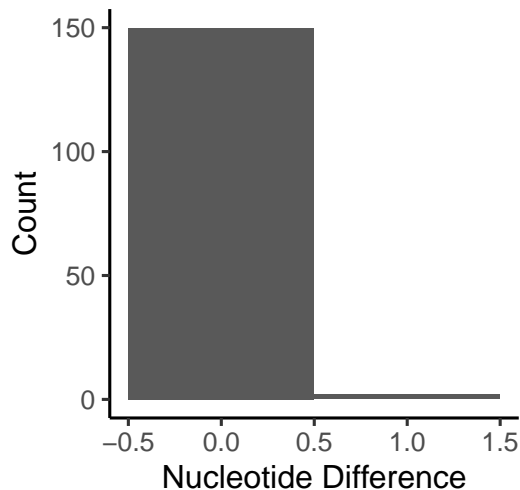
TRBV6-7*ap01

423 sequences assigned
414 (97.9%) exact matches, in which:
408 unique CDR3
13 unique J



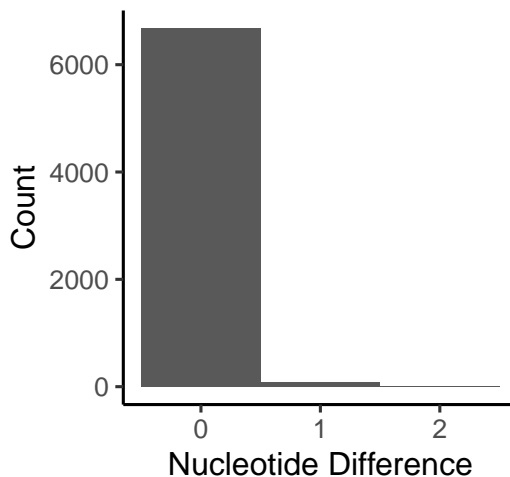
TRBV6-8*ap01

152 sequences assigned
150 (98.7%) exact matches, in which:
148 unique CDR3
13 unique J



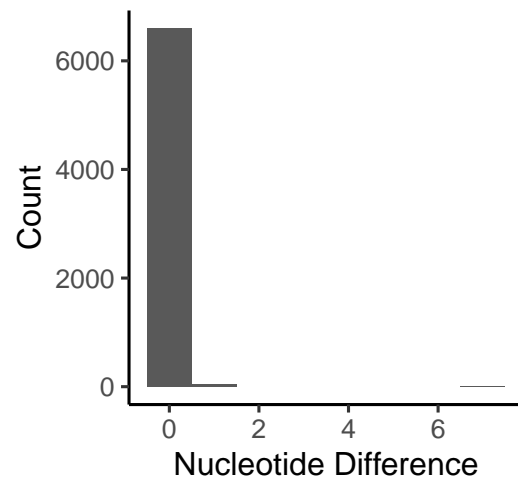
TRBV6-56*ap01

6756 sequences assigned
6676 (98.8%) exact matches, in which:
6551 unique CDR3
13 unique J



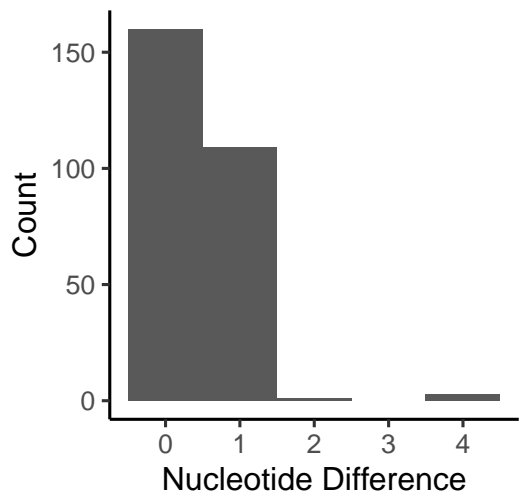
TRBV7-2*ap01

6642 sequences assigned
6597 (99.3%) exact matches, in which:
6551 unique CDR3
13 unique J



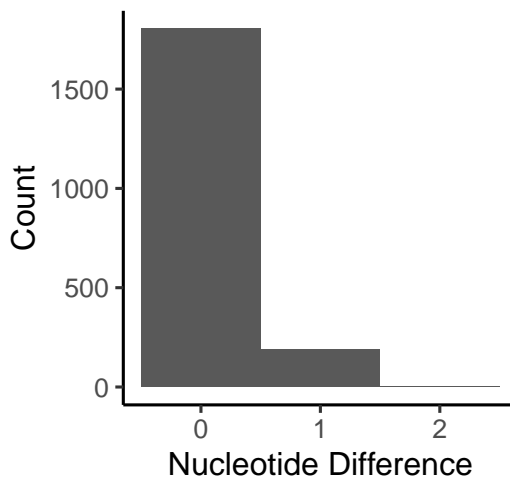
TRBV6-9*ap01

273 sequences assigned
160 (58.6%) exact matches, in which:
157 unique CDR3
13 unique J



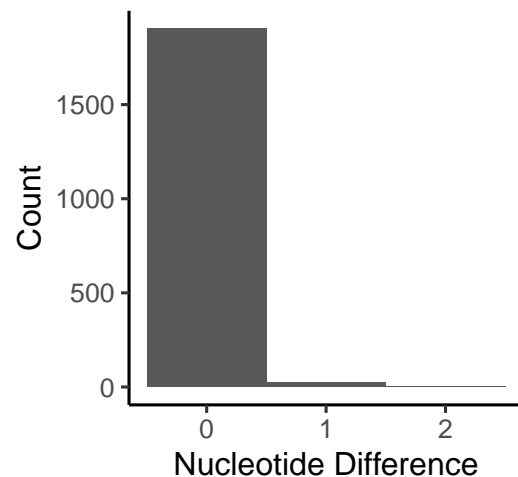
TRBV6-56*ap02

1999 sequences assigned
1804 (90.2%) exact matches, in which:
1769 unique CDR3
13 unique J



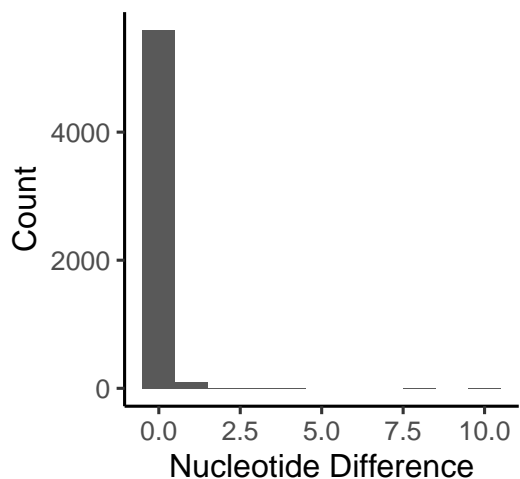
TRBV7-3*ap01

1928 sequences assigned
1903 (98.7%) exact matches, in which:
1893 unique CDR3
13 unique J



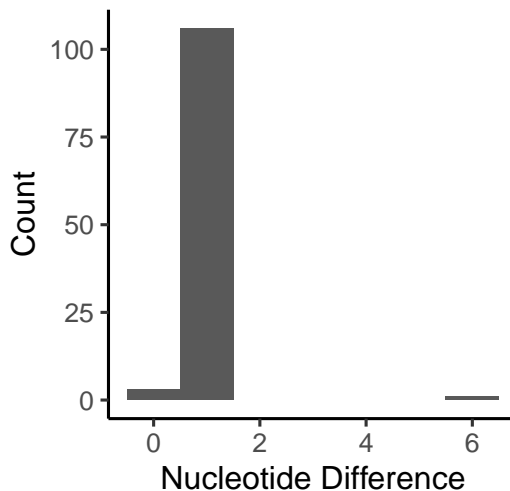
TRBV6-23*ap01

5704 sequences assigned
5594 (98.1%) exact matches, in which:
5503 unique CDR3
13 unique J



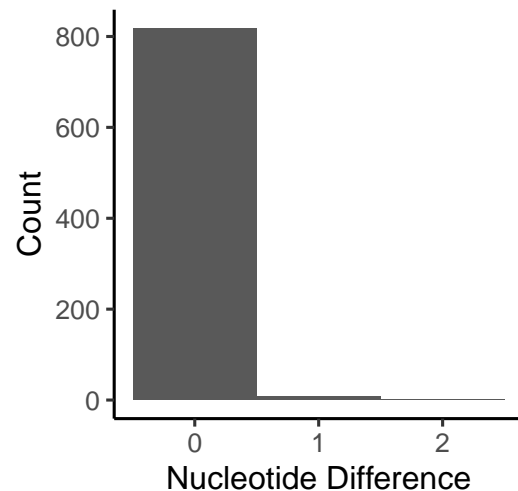
TRBV7-1*ap01_T296C

110 sequences assigned
3 (2.7%) exact matches, in which:
3 unique CDR3
3 unique J



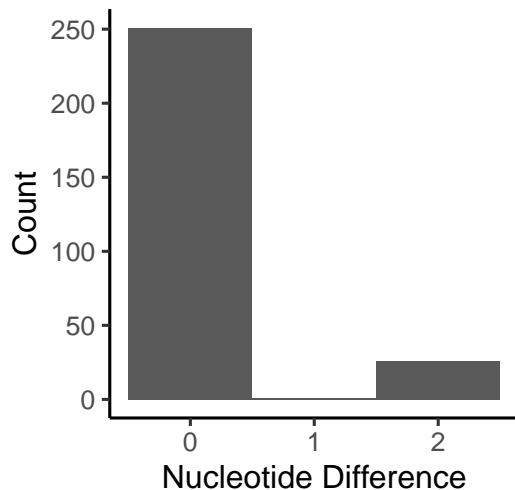
TRBV7-3*ap03

826 sequences assigned
818 (99%) exact matches, in which:
809 unique CDR3
13 unique J



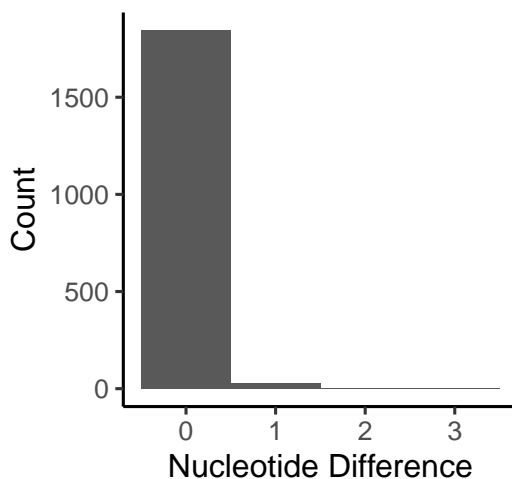
TRBV7-4*ap01

278 sequences assigned
251 (90.3%) exact matches, in which:
249 unique CDR3
13 unique J



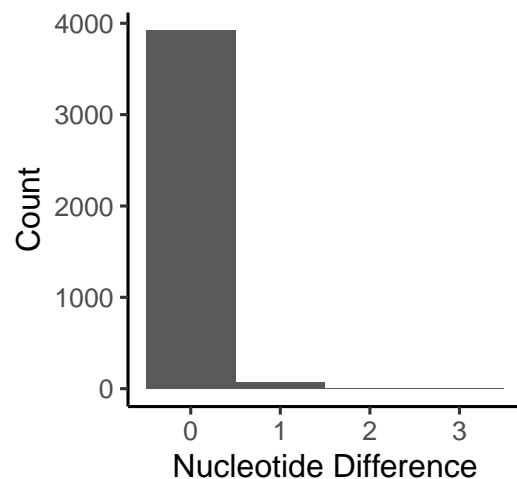
TRBV7-8*ap01

1879 sequences assigned
1844 (98.1%) exact matches, in which:
1832 unique CDR3
13 unique J



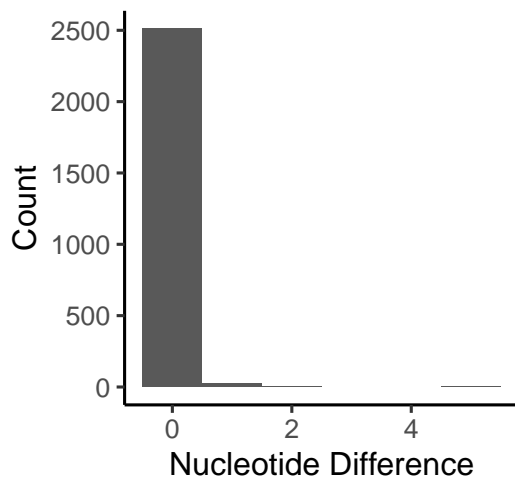
TRBV29-1*ap01

3995 sequences assigned
3922 (98.2%) exact matches, in which:
3816 unique CDR3
13 unique J



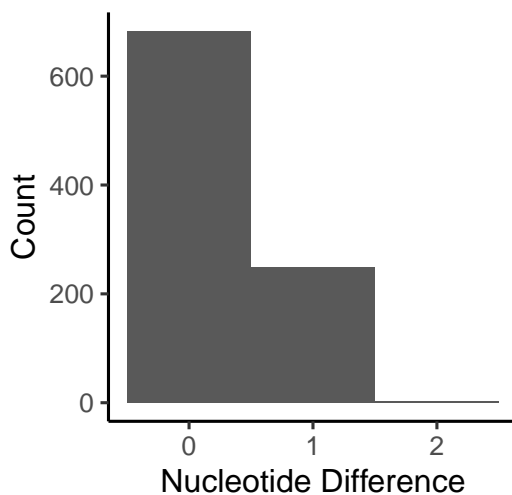
TRBV7-6*ap01

2541 sequences assigned
2511 (98.8%) exact matches, in which:
2483 unique CDR3
13 unique J



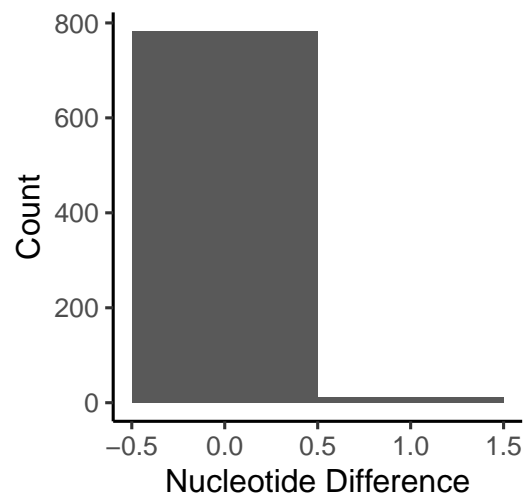
TRBV7-8*ap03

934 sequences assigned
683 (73.1%) exact matches, in which:
677 unique CDR3
13 unique J



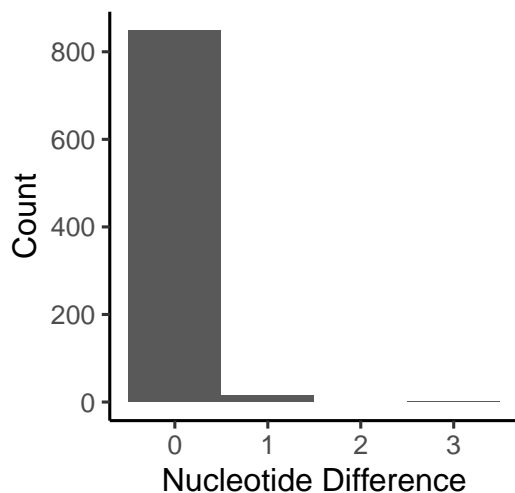
TRBV29-1*ap02

795 sequences assigned
783 (98.5%) exact matches, in which:
775 unique CDR3
13 unique J



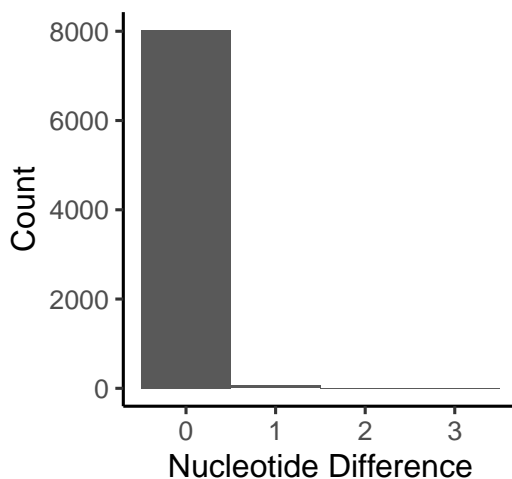
TRBV7-7*ap01

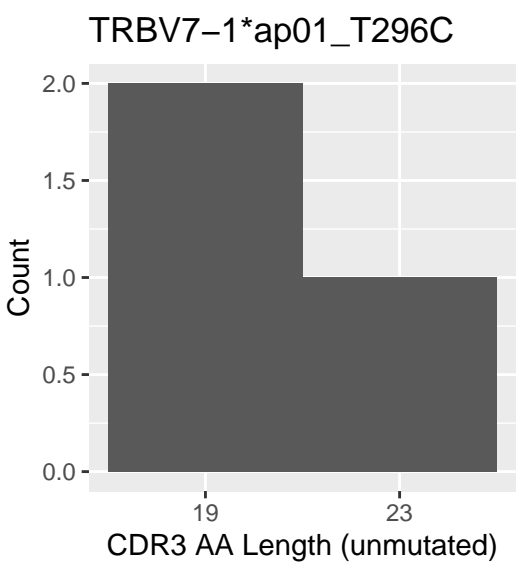
864 sequences assigned
849 (98.3%) exact matches, in which:
844 unique CDR3
13 unique J



TRBV7-9*ap01

8096 sequences assigned
8027 (99.1%) exact matches, in which:
7947 unique CDR3
13 unique J







[illegible]