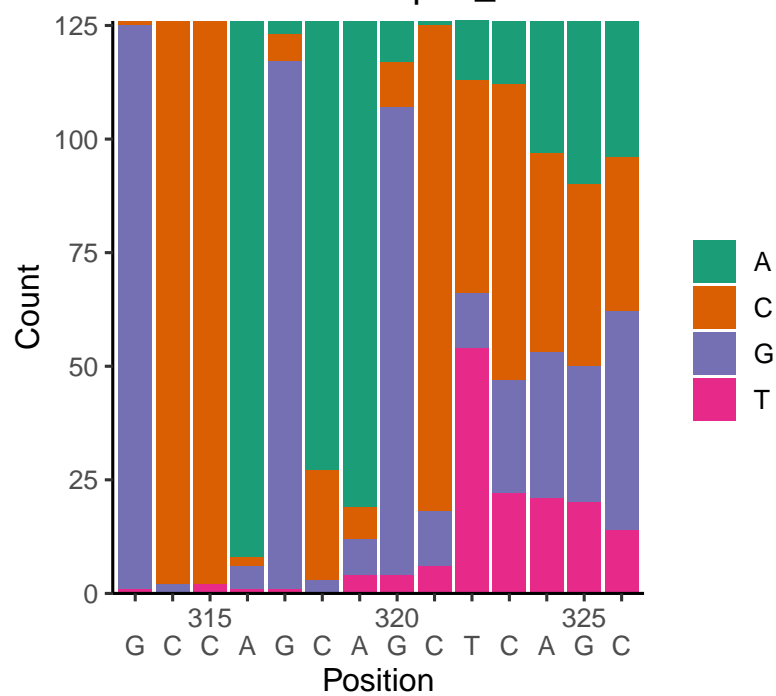
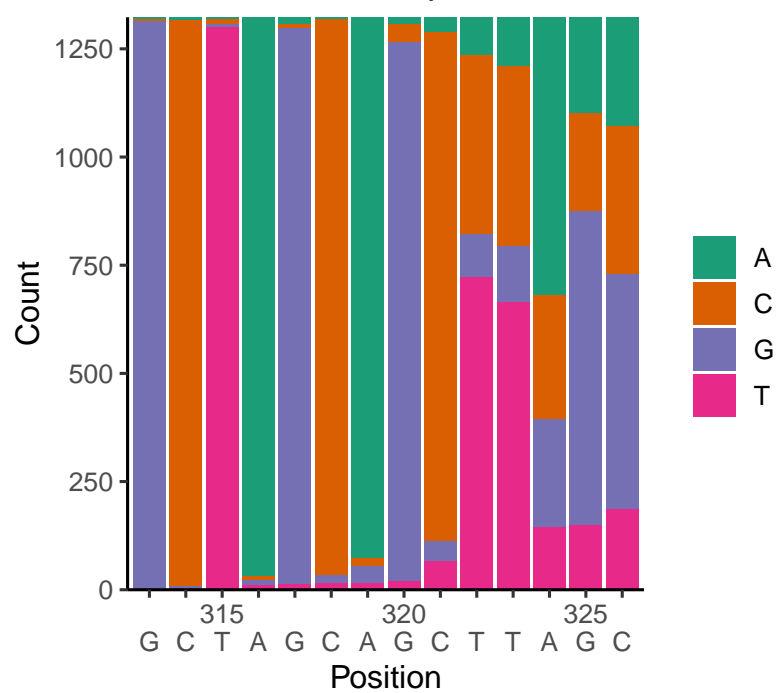


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



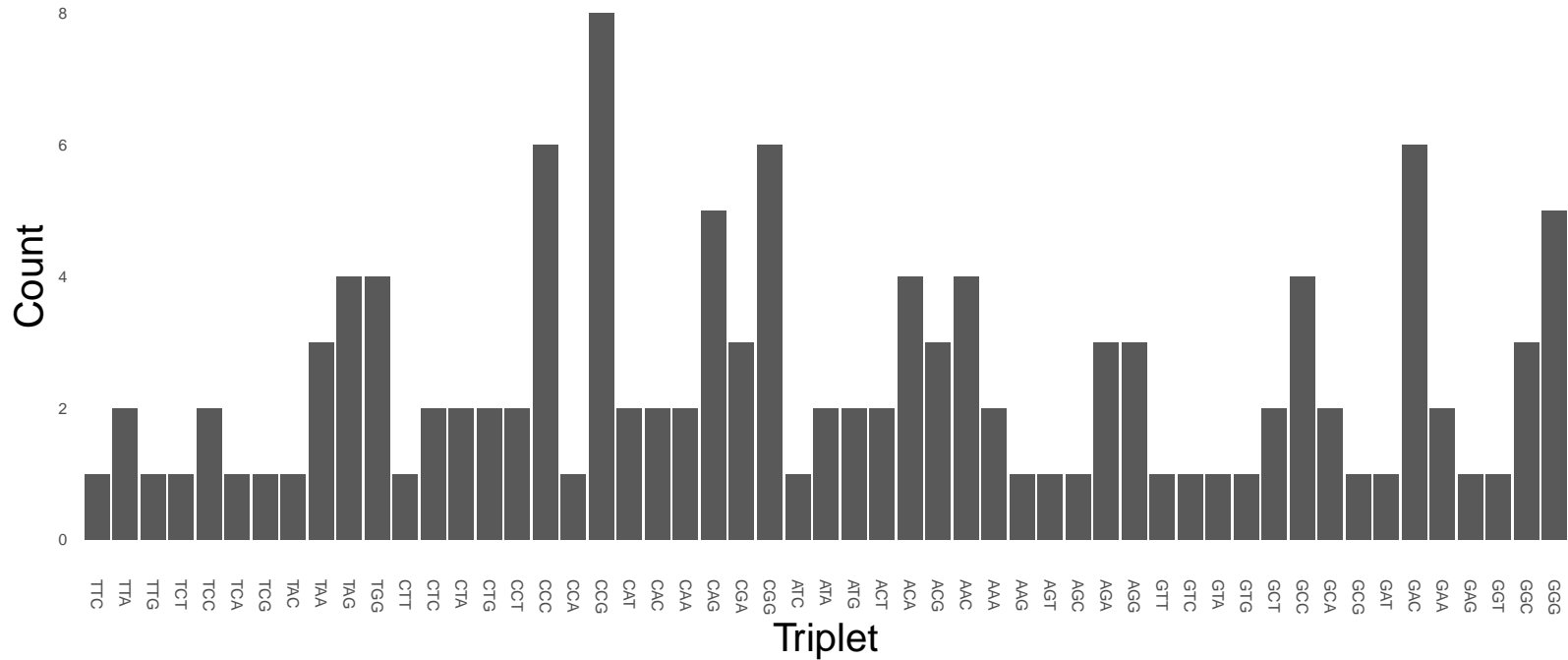
Gene TRBV7-1*ap01_T296C



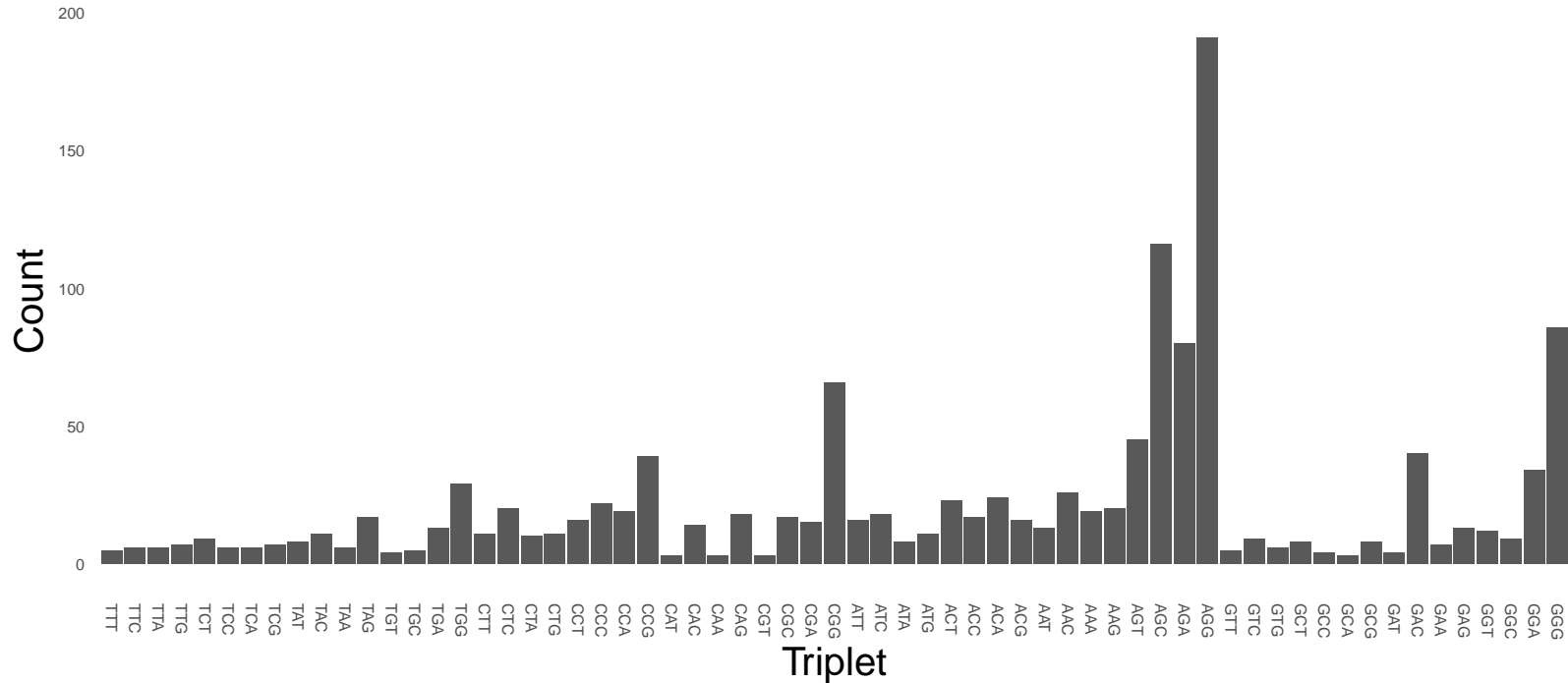
Gene TRBV7-7*ap01_C315T



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

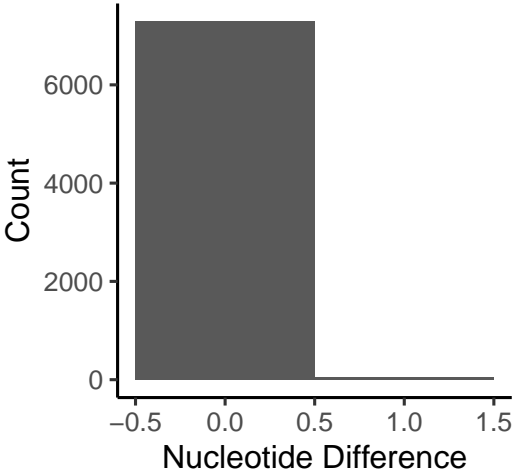


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



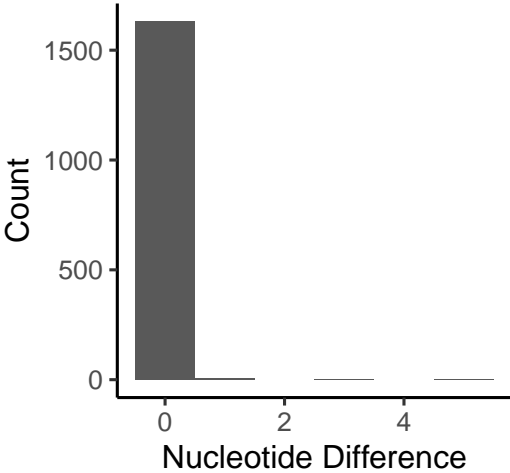
TRBV20-1*ap01

7342 sequences assigned
7291 (99.3%) exact matches, in which:
7214 unique CDR3
13 unique J



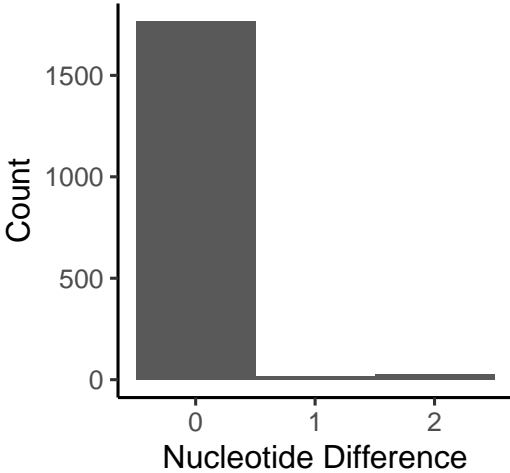
TRBV10-2*ap01

1642 sequences assigned
1631 (99.3%) exact matches, in which:
1602 unique CDR3
13 unique J



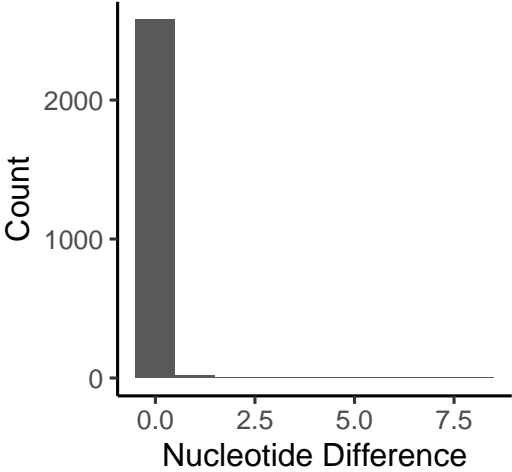
TRBV13*ap01

1809 sequences assigned
1766 (97.6%) exact matches, in which:
1727 unique CDR3
13 unique J



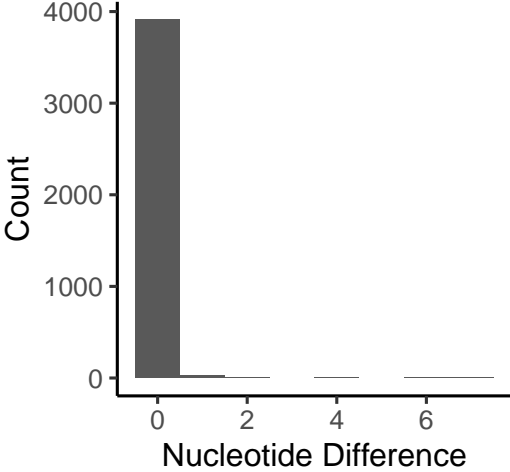
TRBV10-1*ap01

2607 sequences assigned
2578 (98.9%) exact matches, in which:
2548 unique CDR3
13 unique J



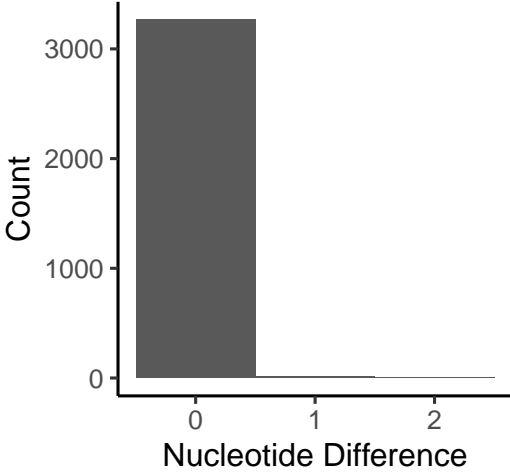
TRBV10-3*ap01

3947 sequences assigned
3911 (99.1%) exact matches, in which:
3855 unique CDR3
13 unique J



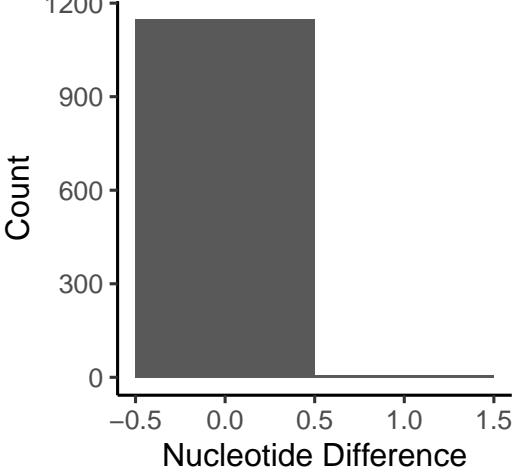
TRBV14*ap01

3280 sequences assigned
3266 (99.6%) exact matches, in which:
3224 unique CDR3
13 unique J



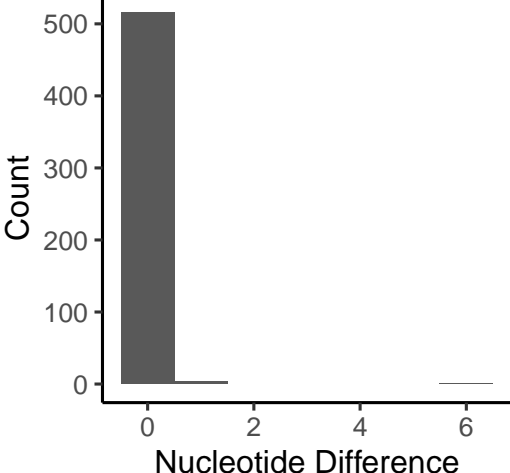
TRBV20-1*ap02

1157 sequences assigned
1149 (99.3%) exact matches, in which:
1131 unique CDR3
13 unique J



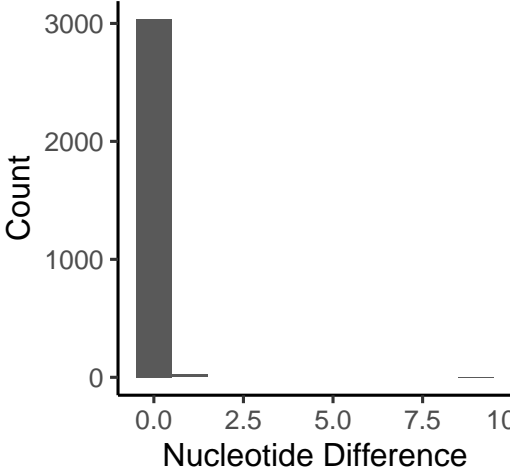
TRBV1*ap01

520 sequences assigned
516 (99.2%) exact matches, in which:
503 unique CDR3
13 unique J



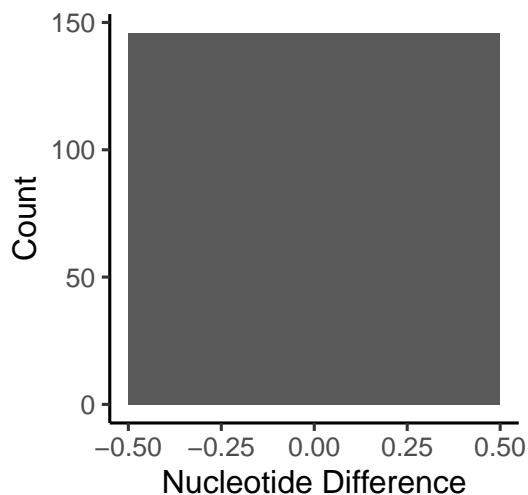
TRBV15*ap02

3061 sequences assigned
3037 (99.2%) exact matches, in which:
2980 unique CDR3
13 unique J



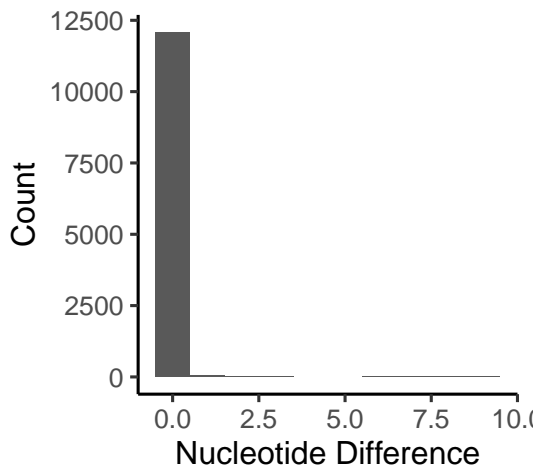
TRBV16*ap01

146 sequences assigned
146 (100%) exact matches, in which:
146 unique CDR3
13 unique J



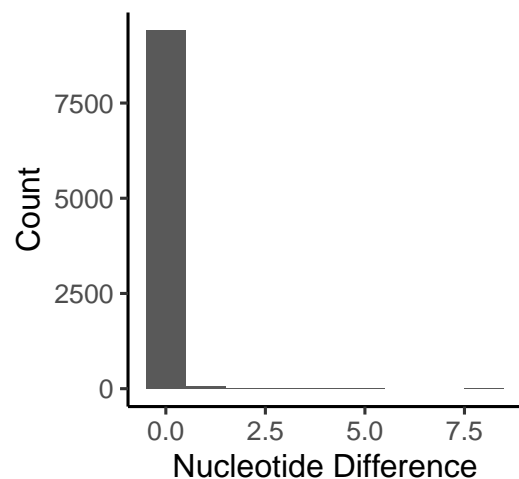
TRBV19*ap01

12163 sequences assigned
12085 (99.4%) exact matches, in which:
11997 unique CDR3
13 unique J



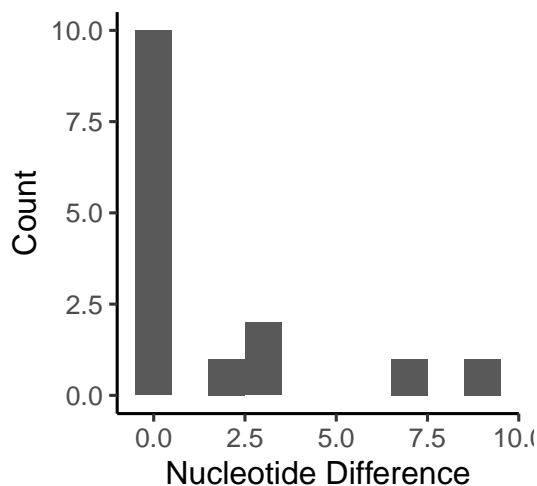
TRBV27*ap01

9491 sequences assigned
9407 (99.1%) exact matches, in which:
9276 unique CDR3
13 unique J



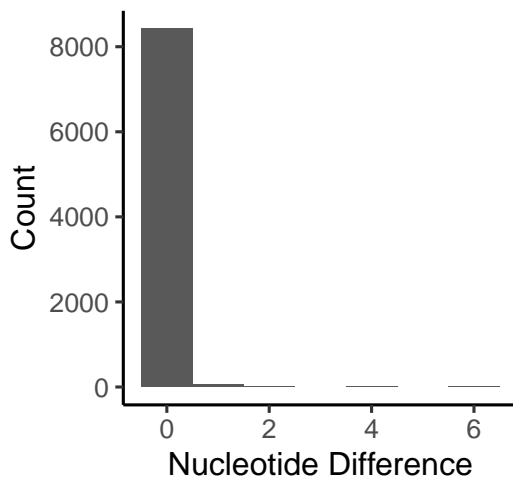
TRBV17*ap01

15 sequences assigned
10 (66.7%) exact matches, in which:
10 unique CDR3
7 unique J



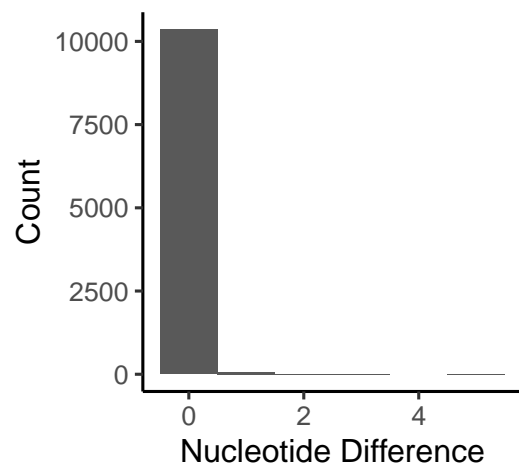
TRBV2*ap01

8492 sequences assigned
8423 (99.2%) exact matches, in which:
8331 unique CDR3
13 unique J



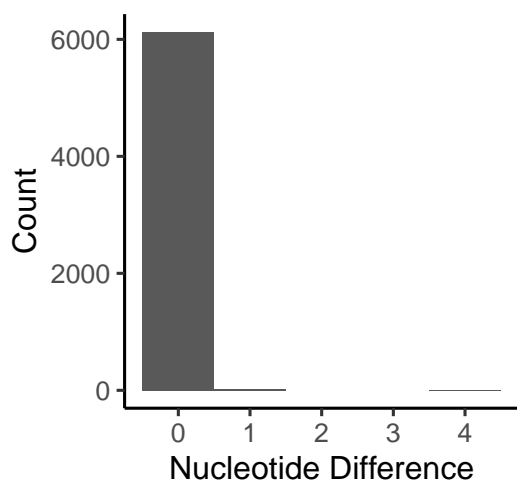
TRBV28*ap01

10433 sequences assigned
10358 (99.3%) exact matches, in which:
10220 unique CDR3
14 unique J



TRBV18*ap01

6151 sequences assigned
6125 (99.6%) exact matches, in which:
6073 unique CDR3
13 unique J



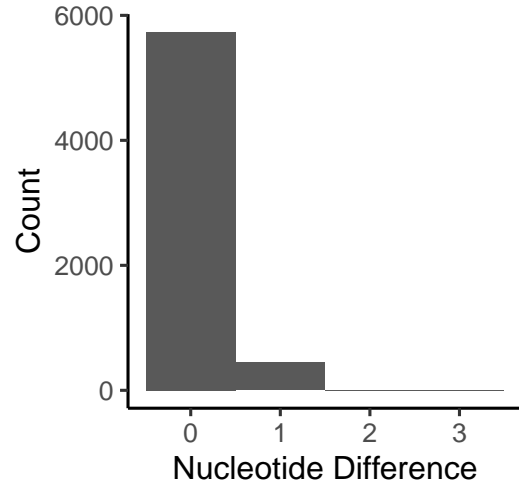
TRBV26*ap01

1 sequences assigned
No exact matches.



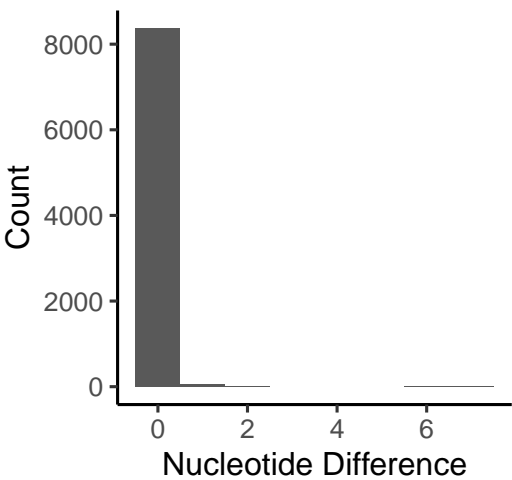
TRBV30*ap01

6188 sequences assigned
5733 (92.6%) exact matches, in which:
5621 unique CDR3
13 unique J



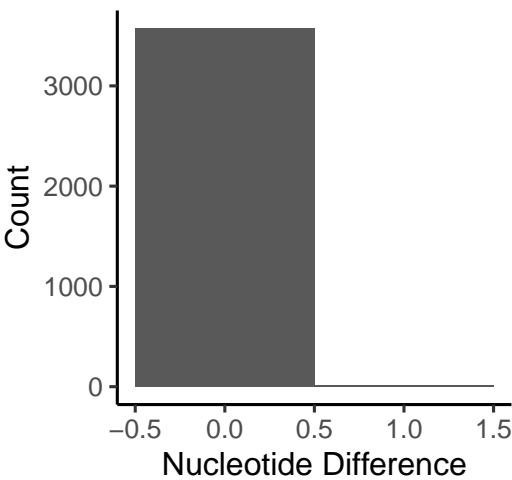
TRBV9*ap01

8429 sequences assigned
8368 (99.3%) exact matches, in which:
8287 unique CDR3
13 unique J



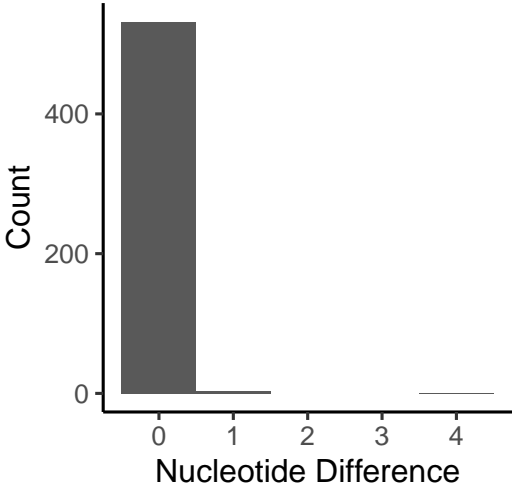
TRBV11-2*ap01

3588 sequences assigned
3573 (99.6%) exact matches, in which:
3548 unique CDR3
13 unique J



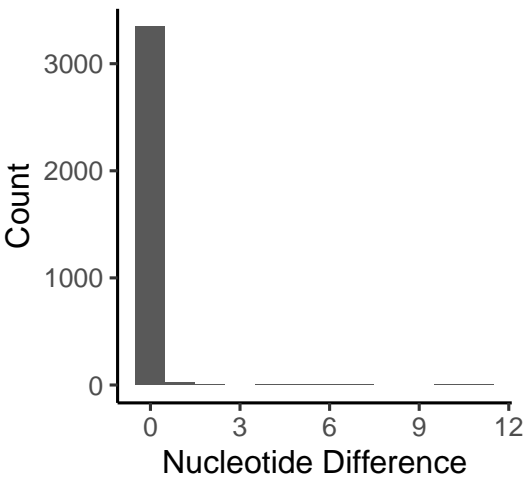
TRBV12-2*ap01

537 sequences assigned
532 (99.1%) exact matches, in which:
527 unique CDR3
13 unique J



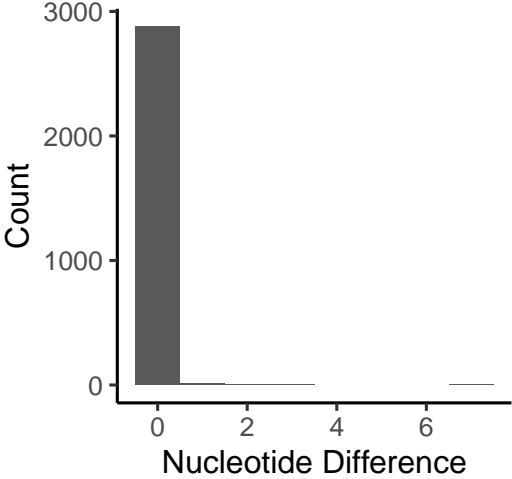
TRBV21-1*ap01

3377 sequences assigned
3345 (99.1%) exact matches, in which:
3316 unique CDR3
13 unique J



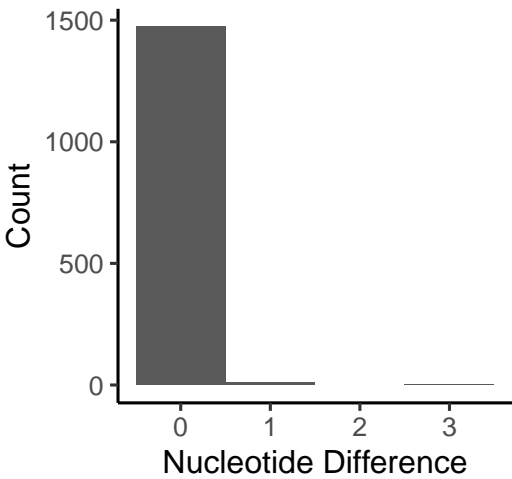
TRBV11-3*ap01

2894 sequences assigned
2877 (99.4%) exact matches, in which:
2861 unique CDR3
13 unique J



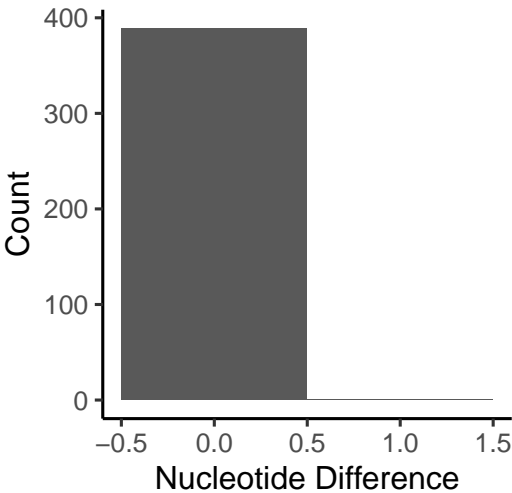
TRBV12-5*ap01

1483 sequences assigned
1473 (99.3%) exact matches, in which:
1458 unique CDR3
13 unique J



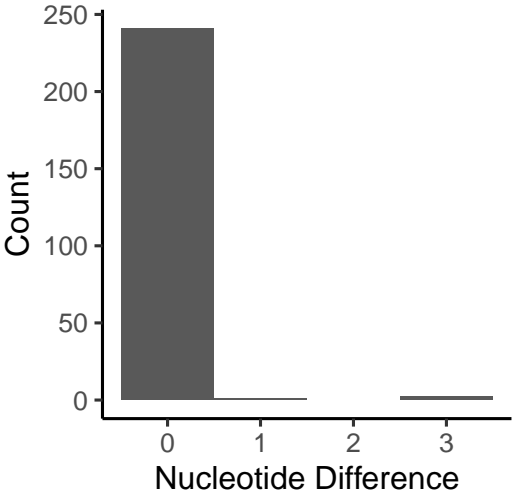
TRBV11-1*ap01

390 sequences assigned
389 (99.7%) exact matches, in which:
389 unique CDR3
13 unique J



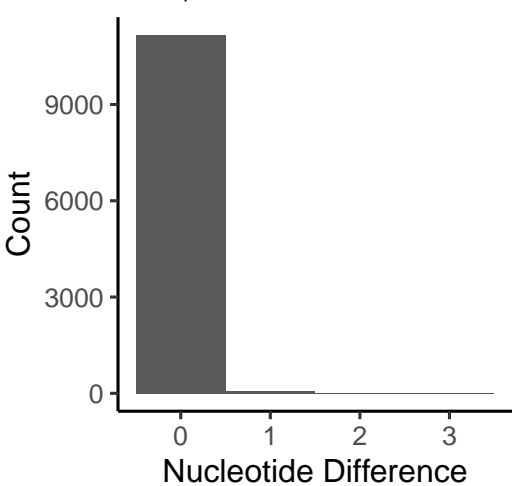
TRBV12-1*ap01

244 sequences assigned
241 (98.8%) exact matches, in which:
238 unique CDR3
13 unique J



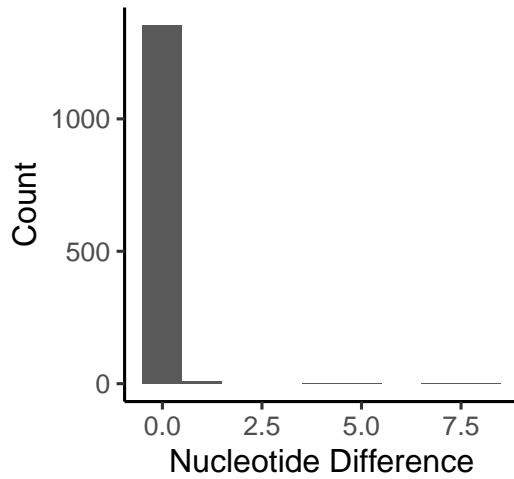
TRBV12-34*ap01

11260 sequences assigned
11165 (99.2%) exact matches, in which:
11017 unique CDR3
13 unique J



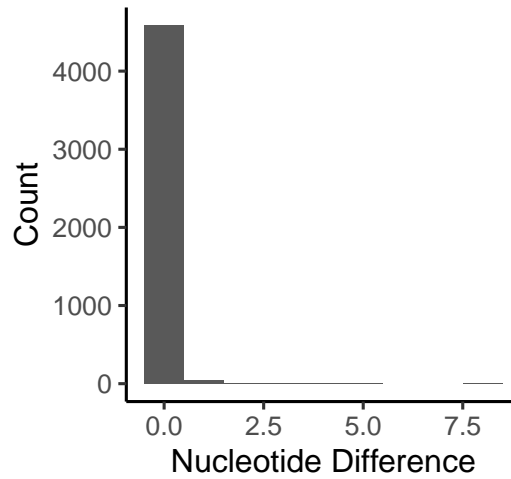
TRBV23-1*ap01

1368 sequences assigned
1353 (98.9%) exact matches, in which:
1339 unique CDR3
13 unique J



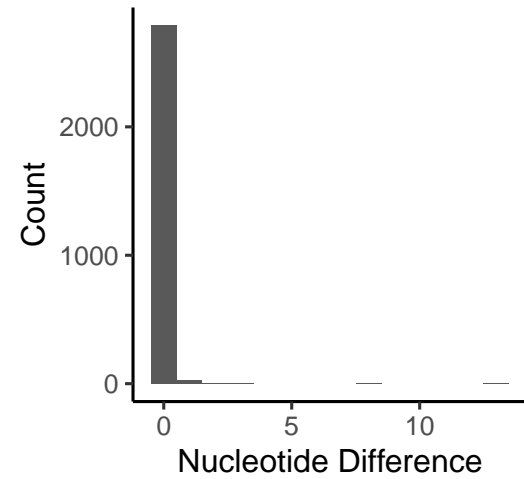
TRBV24-1*ap01

4644 sequences assigned
4585 (98.7%) exact matches, in which:
4501 unique CDR3
13 unique J



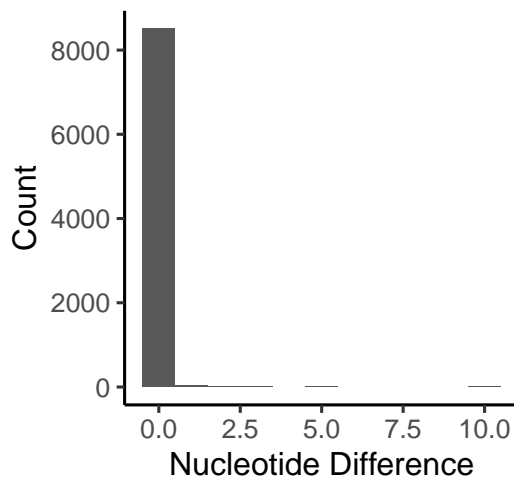
TRBV25-1*ap01

2824 sequences assigned
2790 (98.8%) exact matches, in which:
2732 unique CDR3
13 unique J



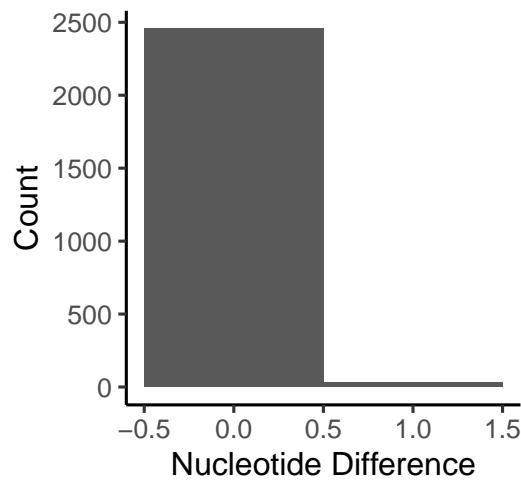
TRBV3-12*ap01

8556 sequences assigned
8507 (99.4%) exact matches, in which:
8428 unique CDR3
13 unique J



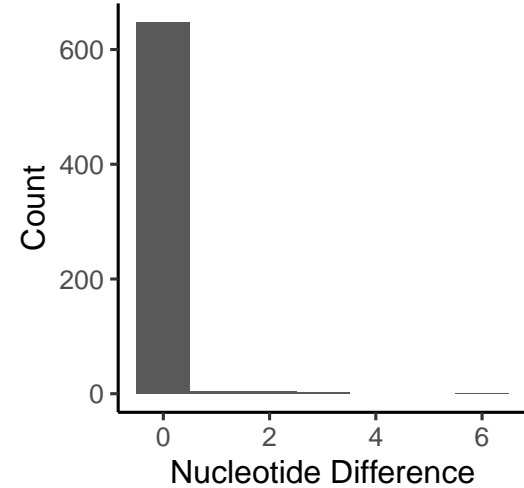
TRBV4-2*ap01

2485 sequences assigned
2456 (98.8%) exact matches, in which:
2408 unique CDR3
13 unique J



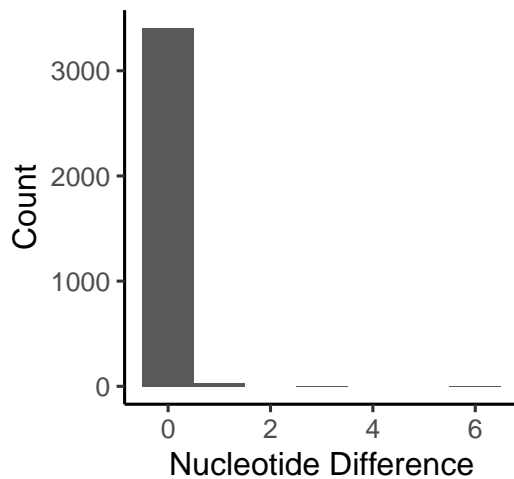
TRBV5-3*ap01

660 sequences assigned
648 (98.2%) exact matches, in which:
634 unique CDR3
13 unique J



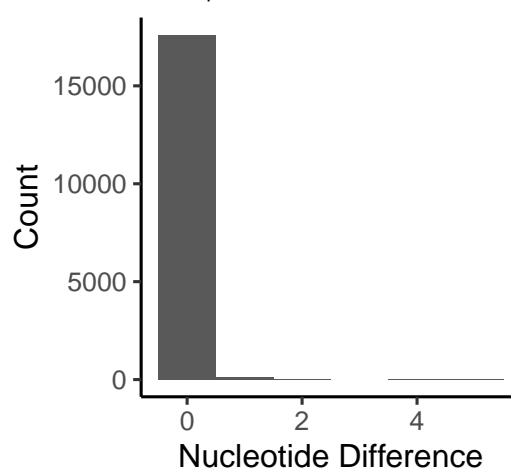
TRBV4-1*ap01

3440 sequences assigned
3406 (99%) exact matches, in which:
3325 unique CDR3
13 unique J



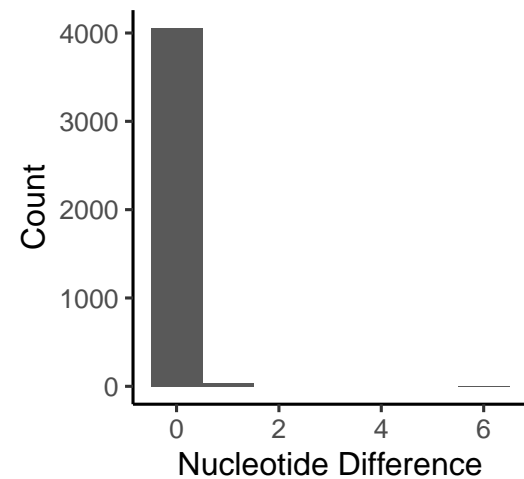
TRBV5-1*ap01

17741 sequences assigned
17607 (99.2%) exact matches, in which:
17260 unique CDR3
13 unique J



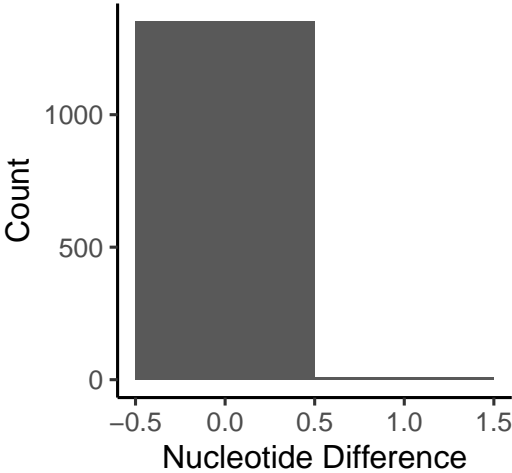
TRBV5-4*ap01

4098 sequences assigned
4056 (99%) exact matches, in which:
3989 unique CDR3
13 unique J



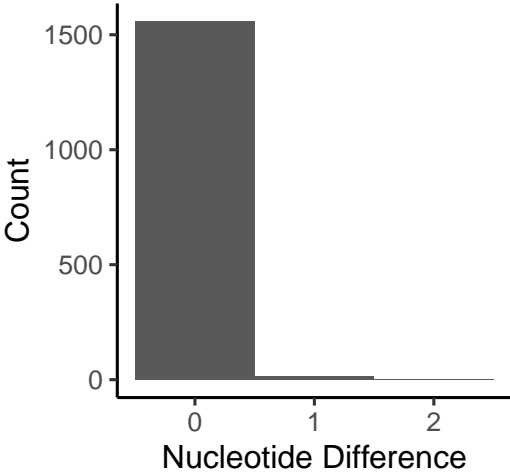
TRBV5-5*ap01

1363 sequences assigned
1352 (99.2%) exact matches, in which:
1336 unique CDR3
13 unique J



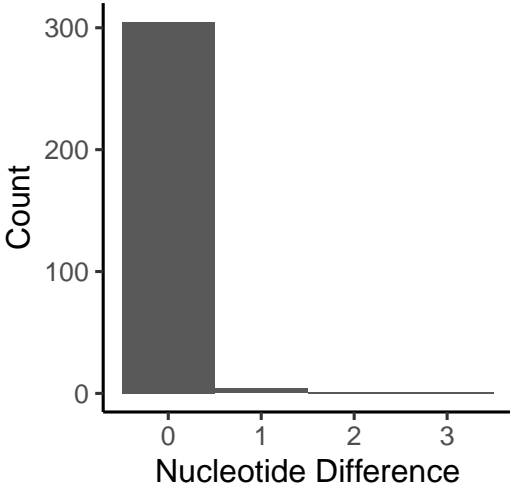
TRBV5-8*ap01

1573 sequences assigned
1558 (99%) exact matches, in which:
1543 unique CDR3
13 unique J



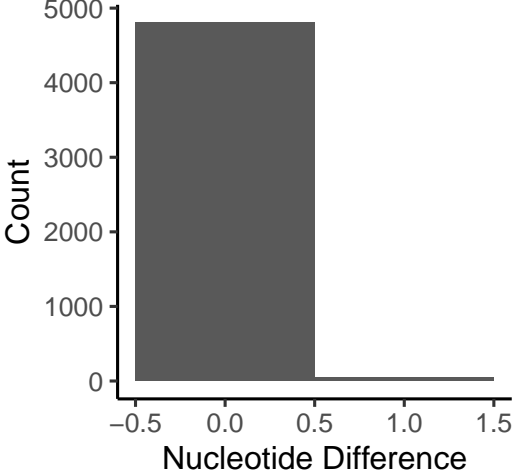
TRBV6-7*ap01

311 sequences assigned
305 (98.1%) exact matches, in which:
298 unique CDR3
13 unique J



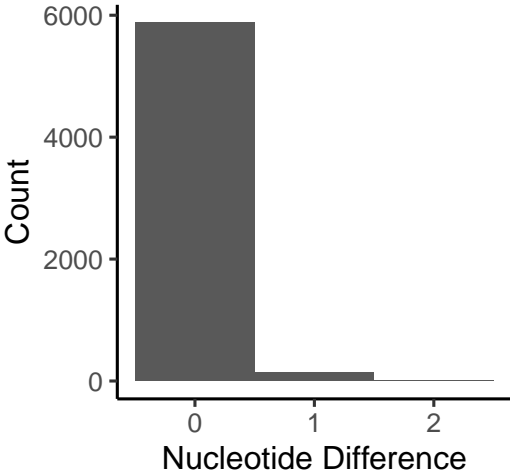
TRBV5-6*ap01

4850 sequences assigned
4804 (99.1%) exact matches, in which:
4654 unique CDR3
13 unique J



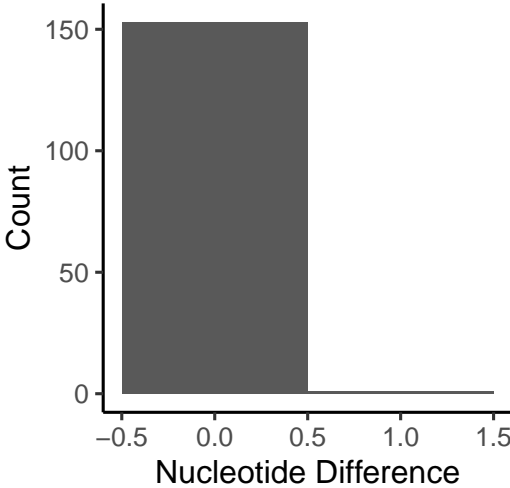
TRBV6-1*ap01

6012 sequences assigned
5877 (97.8%) exact matches, in which:
5757 unique CDR3
13 unique J



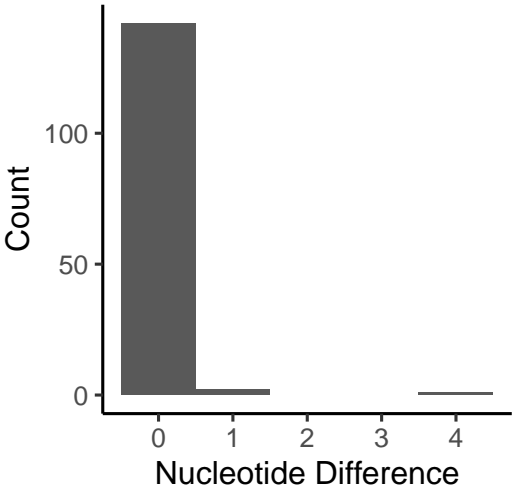
TRBV6-8*ap01

154 sequences assigned
153 (99.4%) exact matches, in which:
152 unique CDR3
13 unique J



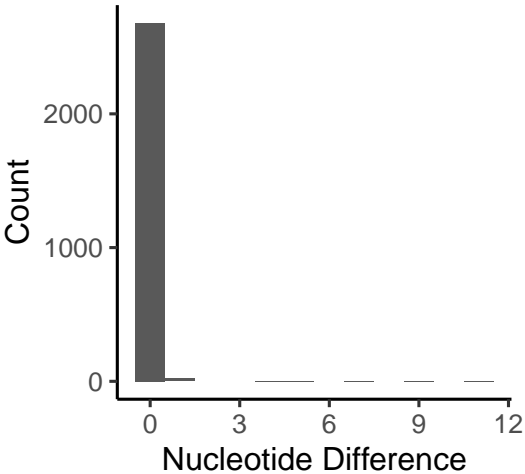
TRBV5-7*ap01

145 sequences assigned
142 (97.9%) exact matches, in which:
138 unique CDR3
13 unique J



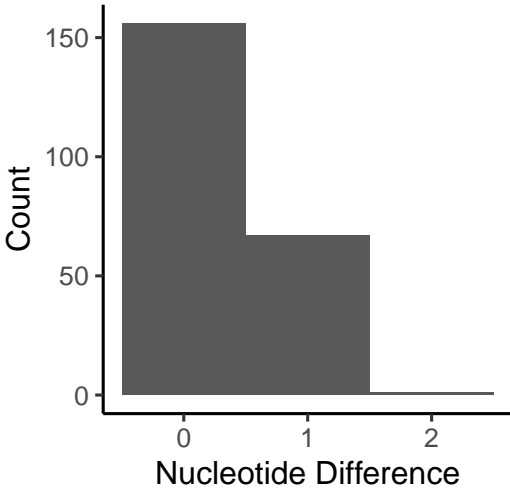
TRBV6-4*ap01

2706 sequences assigned
2679 (99%) exact matches, in which:
2661 unique CDR3
13 unique J



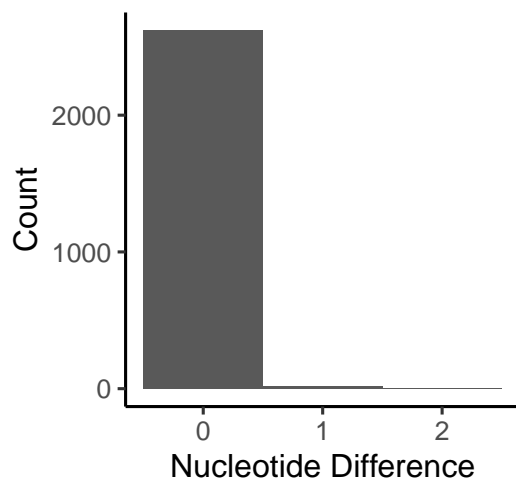
TRBV6-9*ap01

224 sequences assigned
156 (69.6%) exact matches, in which:
151 unique CDR3
13 unique J



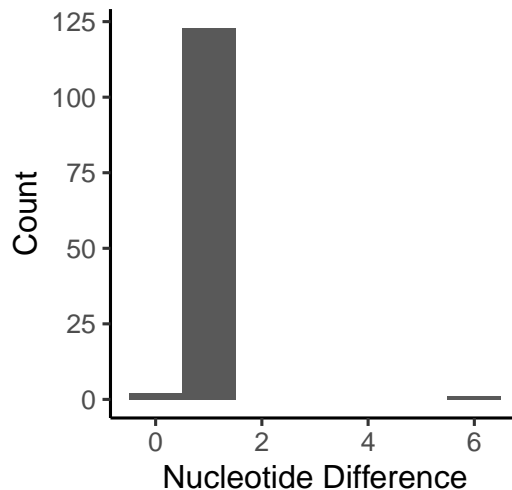
TRBV6-23*ap01

2637 sequences assigned
2620 (99.4%) exact matches, in which:
2566 unique CDR3
13 unique J



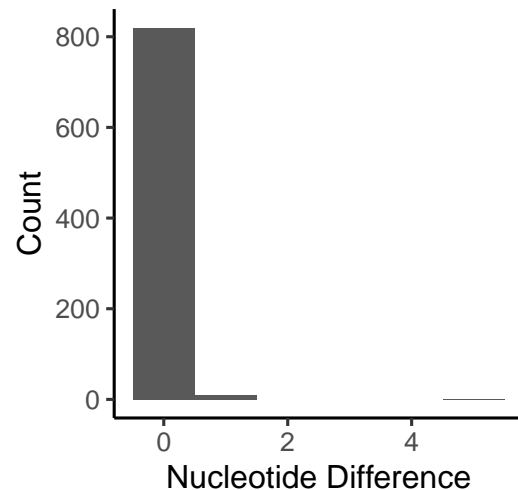
TRBV7-1*ap01_T296C

126 sequences assigned
2 (1.6%) exact matches, in which:
2 unique CDR3
2 unique J



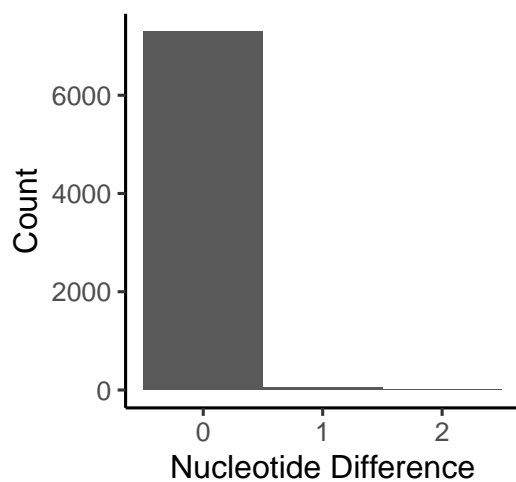
TRBV7-3*ap02

830 sequences assigned
820 (98.8%) exact matches, in which:
813 unique CDR3
13 unique J



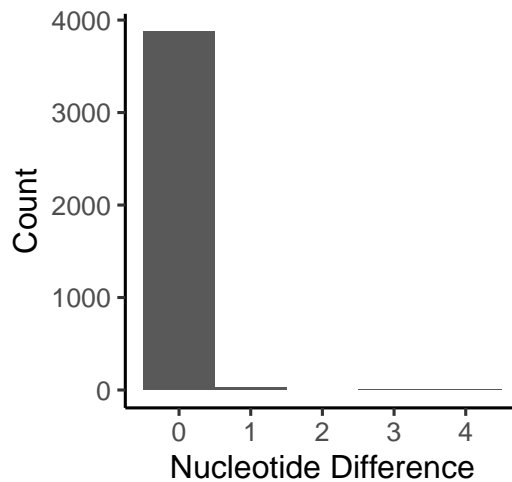
TRBV6-56*ap01

7356 sequences assigned
7293 (99.1%) exact matches, in which:
7114 unique CDR3
13 unique J



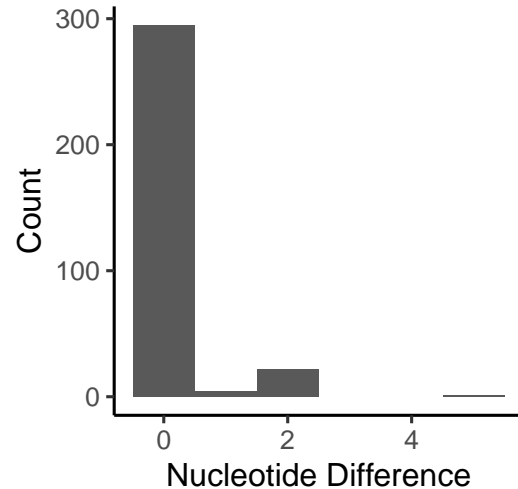
TRBV7-2*ap01

3901 sequences assigned
3874 (99.3%) exact matches, in which:
3813 unique CDR3
13 unique J



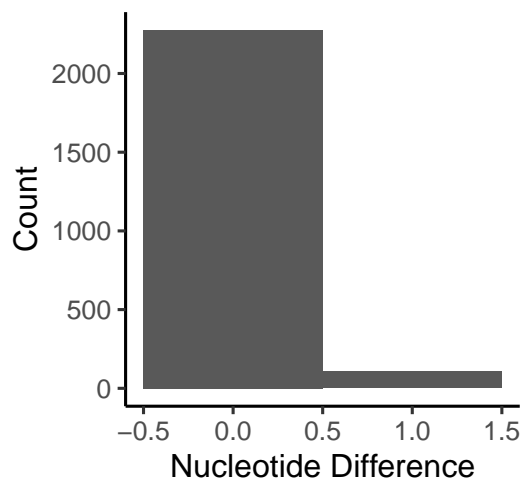
TRBV7-4*ap01

322 sequences assigned
295 (91.6%) exact matches, in which:
290 unique CDR3
13 unique J



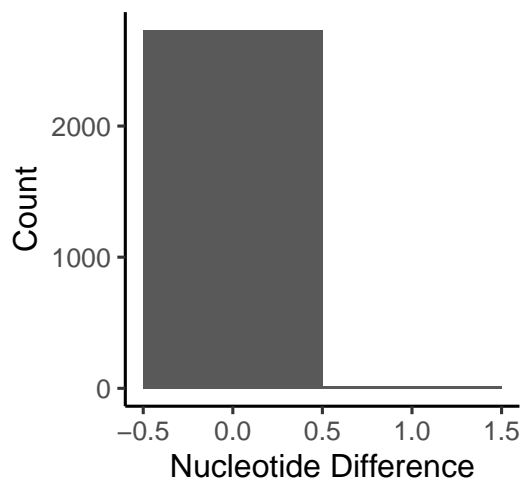
TRBV6-56*ap02

2384 sequences assigned
2276 (95.5%) exact matches, in which:
2221 unique CDR3
13 unique J



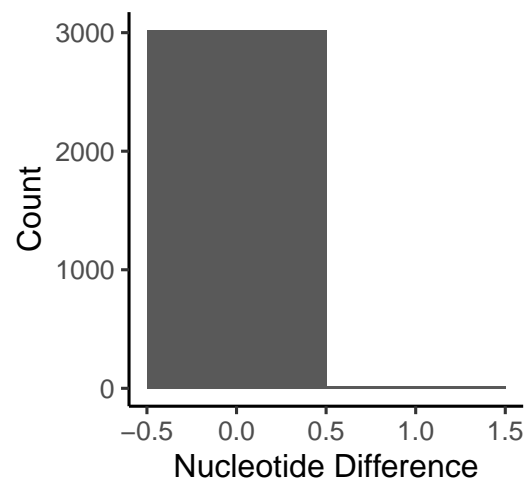
TRBV7-3*ap01

2749 sequences assigned
2732 (99.4%) exact matches, in which:
2704 unique CDR3
13 unique J



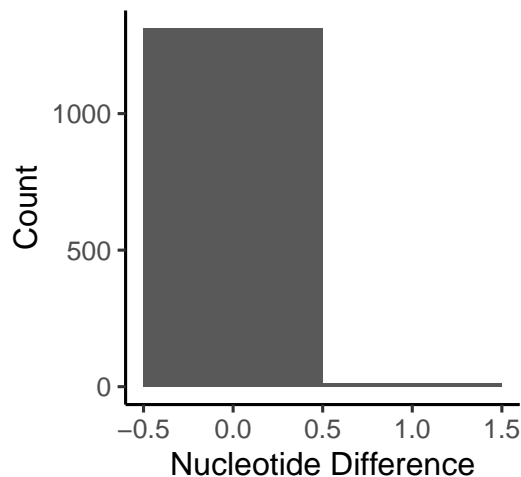
TRBV7-6*ap01

3044 sequences assigned
3022 (99.3%) exact matches, in which:
2980 unique CDR3
13 unique J



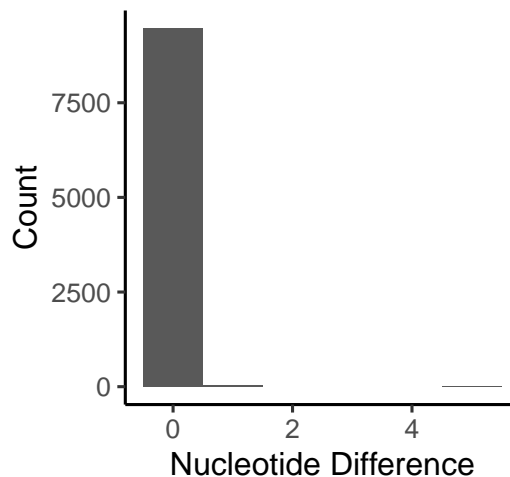
TRBV7-7*ap01_C315T

1323 sequences assigned
1312 (99.2%) exact matches, in which:
1285 unique CDR3
13 unique J



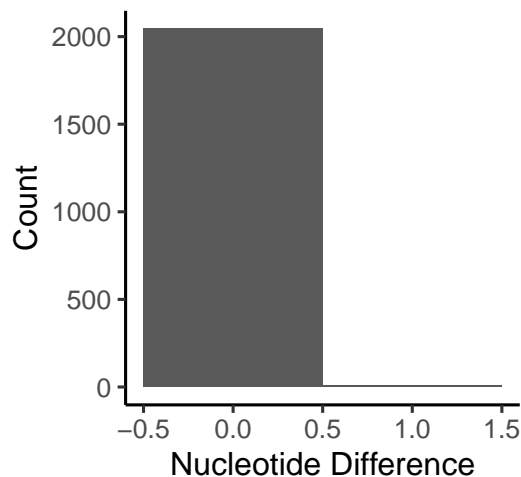
TRBV7-9*ap01

9513 sequences assigned
9464 (99.5%) exact matches, in which:
9343 unique CDR3
13 unique J



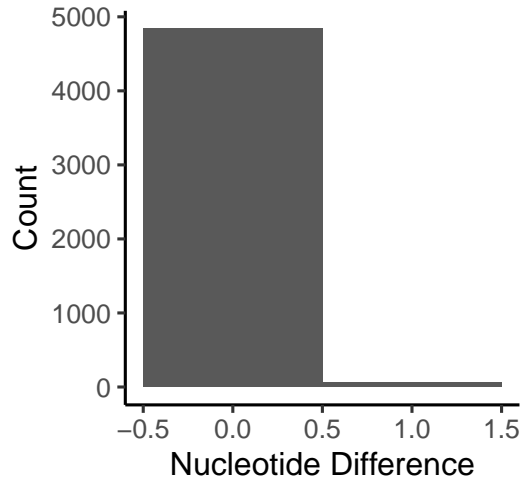
TRBV7-8*ap01

2055 sequences assigned
2045 (99.5%) exact matches, in which:
2009 unique CDR3
13 unique J



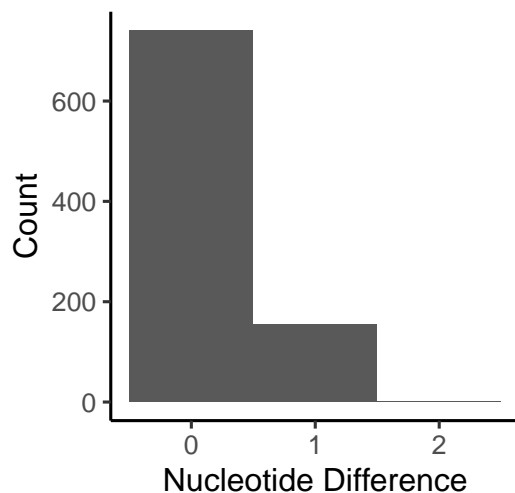
TRBV29-1*ap01

4895 sequences assigned
4839 (98.9%) exact matches, in which:
4709 unique CDR3
13 unique J



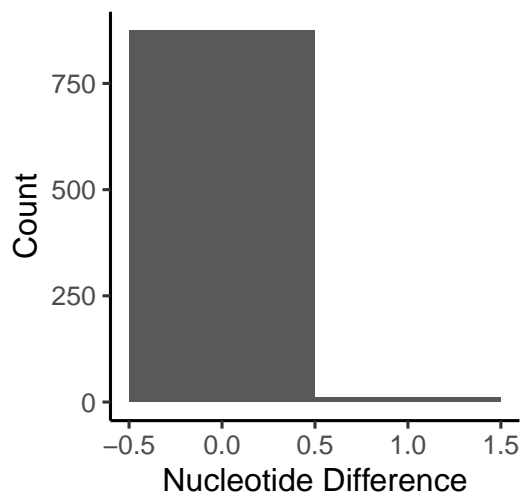
TRBV7-8*ap03

897 sequences assigned
741 (82.6%) exact matches, in which:
732 unique CDR3
13 unique J

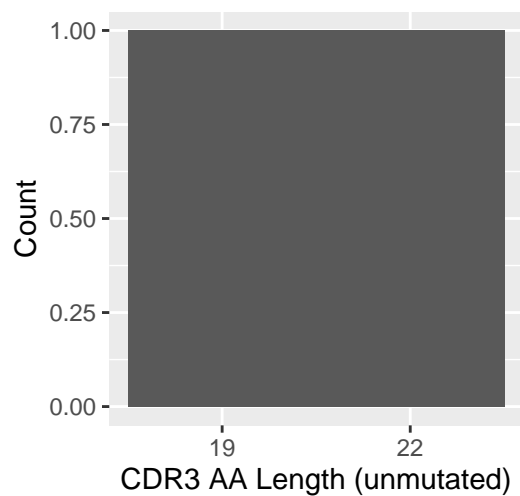


TRBV29-1*ap02

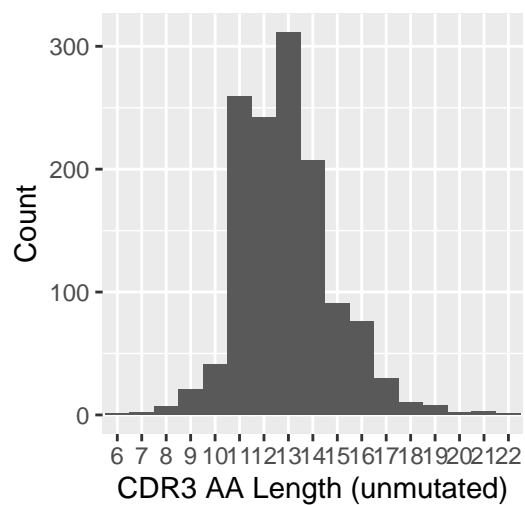
885 sequences assigned
875 (98.9%) exact matches, in which:
854 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]