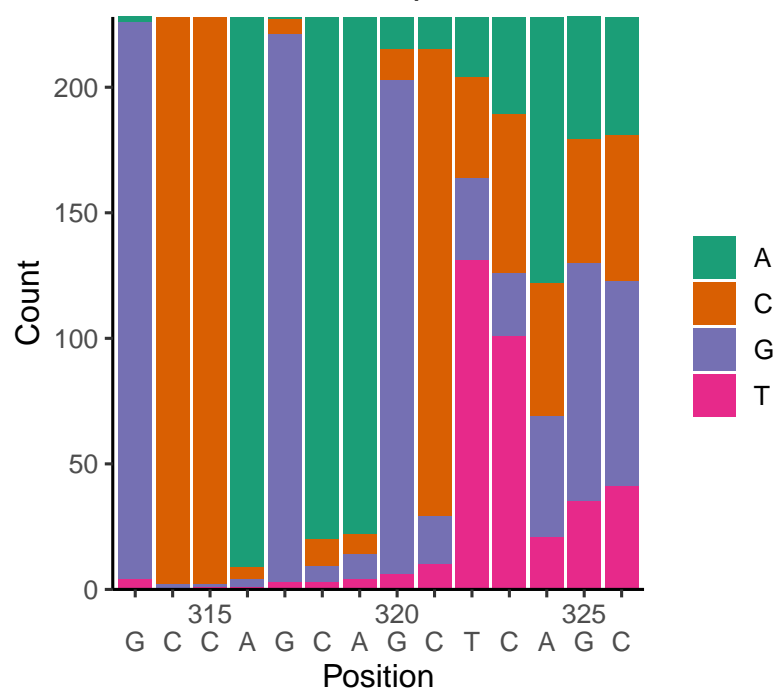
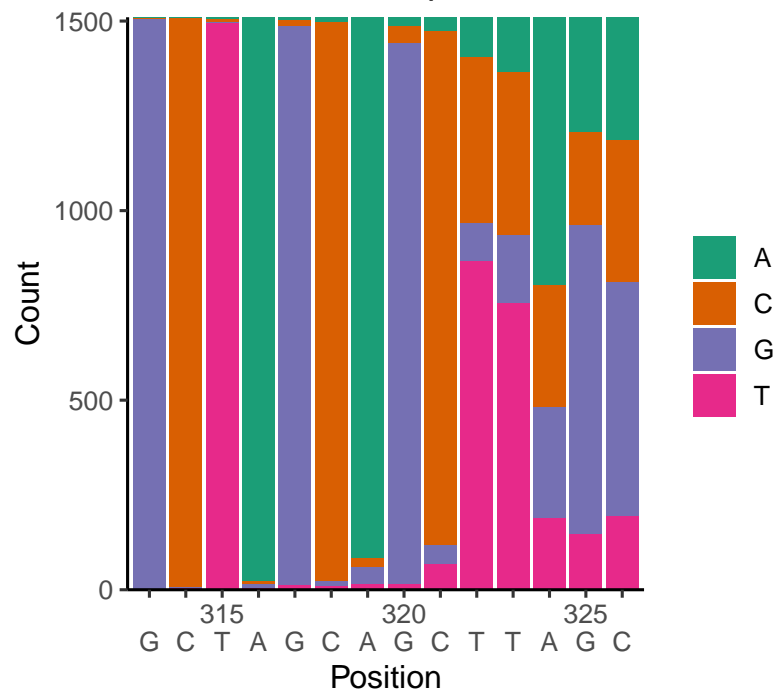


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



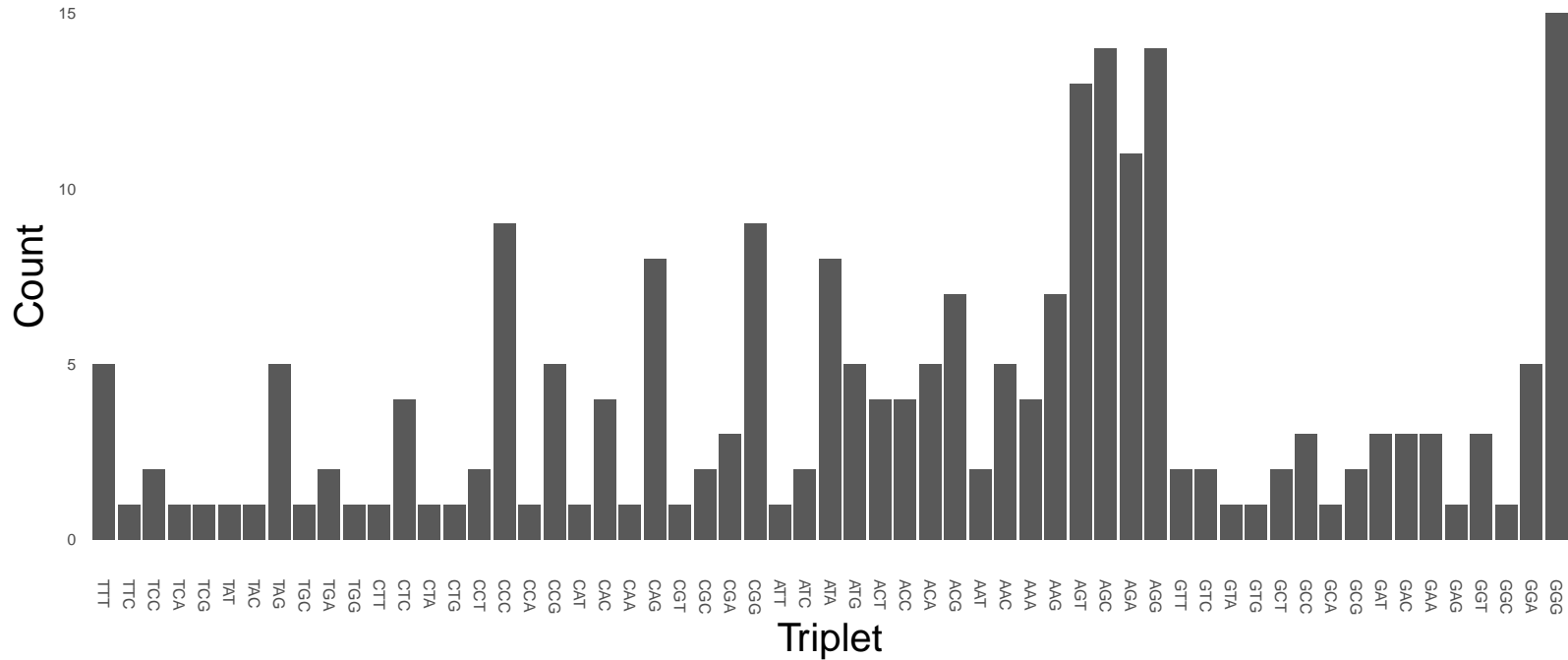
Gene TRBV7-1*ap01_G291C_T296C



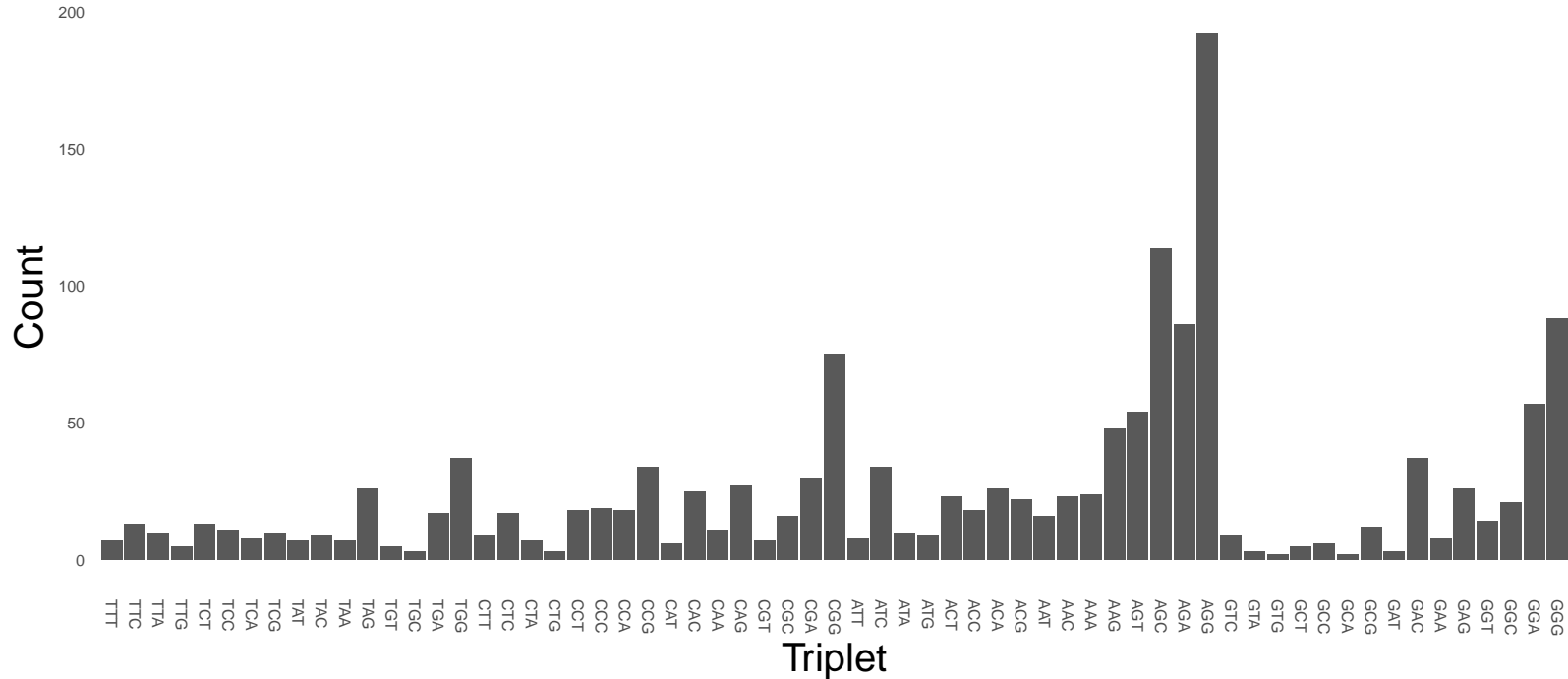
Gene TRBV7-7*ap01_C315T



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

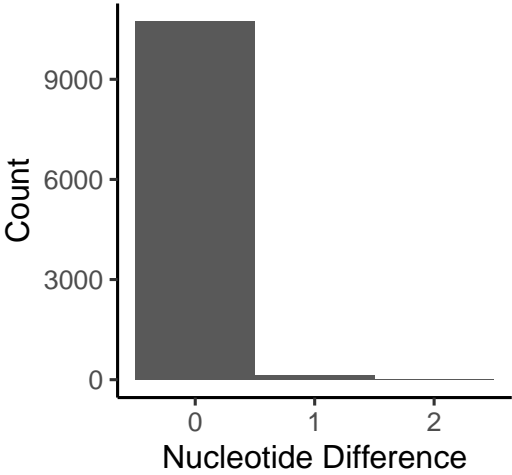


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



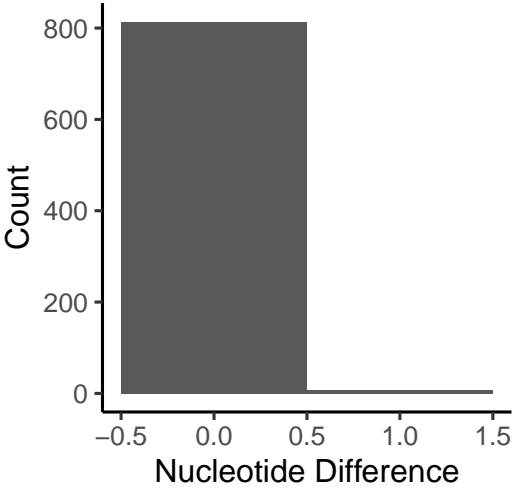
TRBV20-1*ap01

10872 sequences assigned
10735 (98.7%) exact matches, in which:
10478 unique CDR3
14 unique J



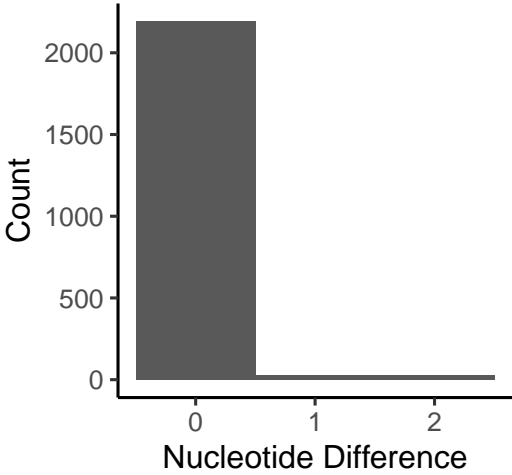
TRBV10-2*ap01

822 sequences assigned
814 (99%) exact matches, in which:
792 unique CDR3
13 unique J



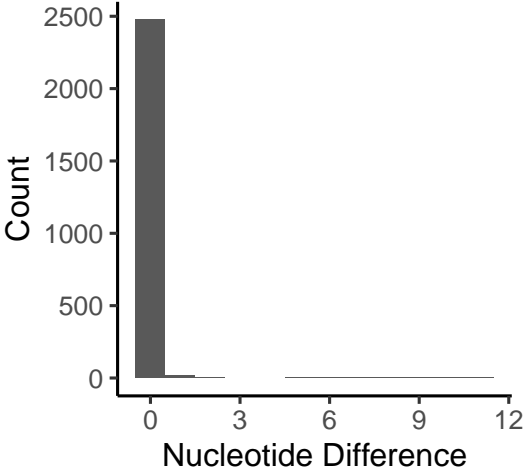
TRBV13*ap01

2246 sequences assigned
2192 (97.6%) exact matches, in which:
2123 unique CDR3
13 unique J



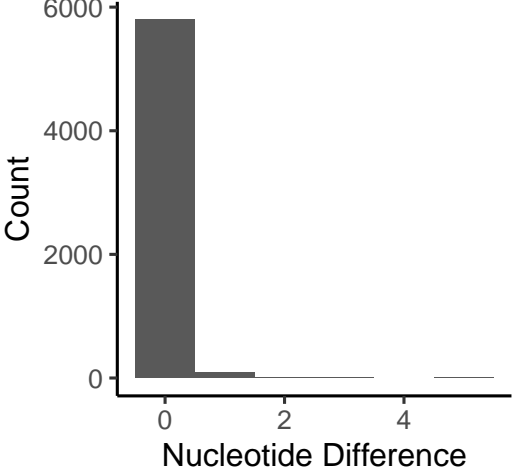
TRBV10-1*ap01

2506 sequences assigned
2476 (98.8%) exact matches, in which:
2421 unique CDR3
13 unique J



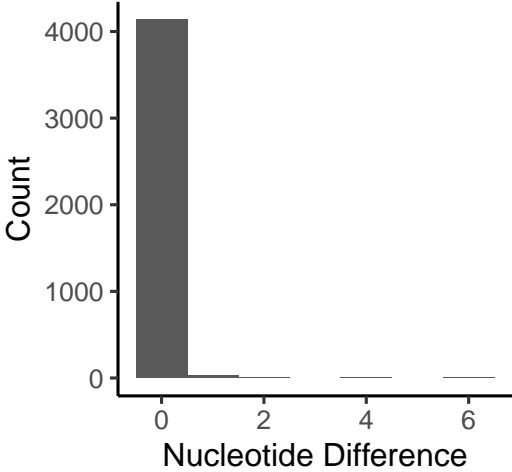
TRBV10-3*ap01

5888 sequences assigned
5796 (98.4%) exact matches, in which:
5646 unique CDR3
13 unique J



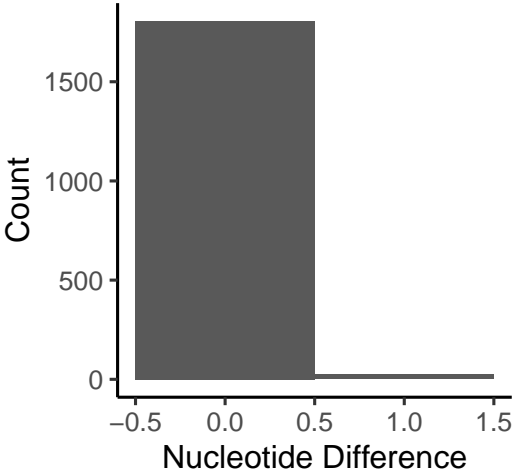
TRBV14*ap01

4172 sequences assigned
4136 (99.1%) exact matches, in which:
4057 unique CDR3
13 unique J



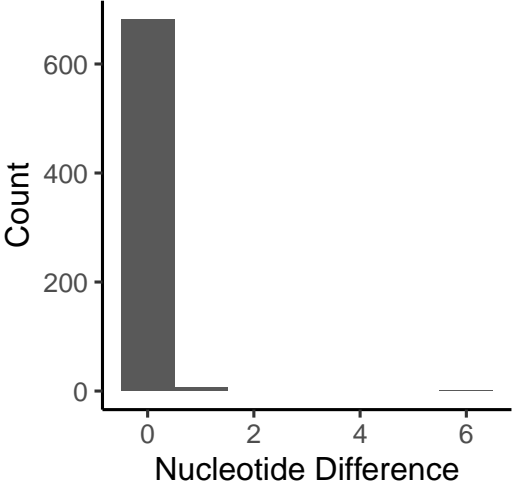
TRBV20-1*ap02

1831 sequences assigned
1806 (98.6%) exact matches, in which:
1766 unique CDR3
13 unique J



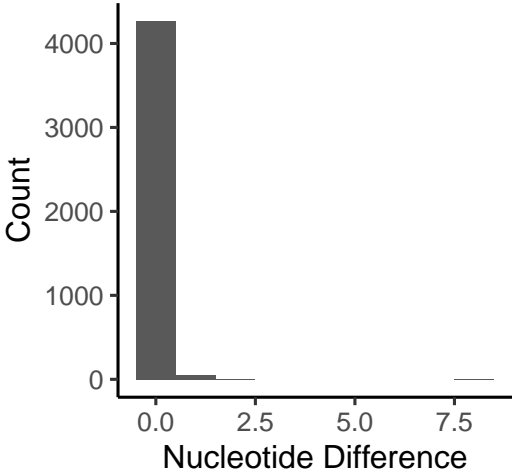
TRBV1*ap01

690 sequences assigned
682 (98.8%) exact matches, in which:
667 unique CDR3
13 unique J



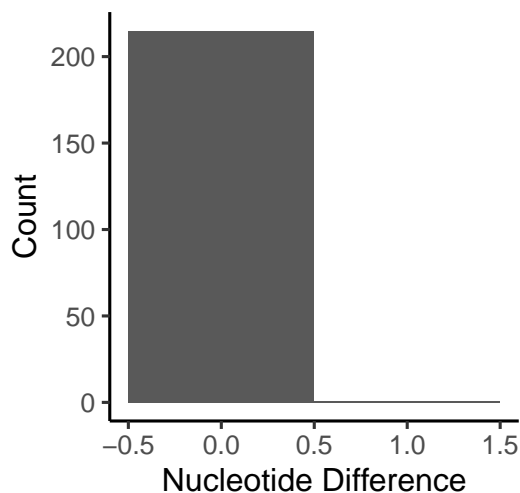
TRBV15*ap02

4320 sequences assigned
4267 (98.8%) exact matches, in which:
4179 unique CDR3
13 unique J



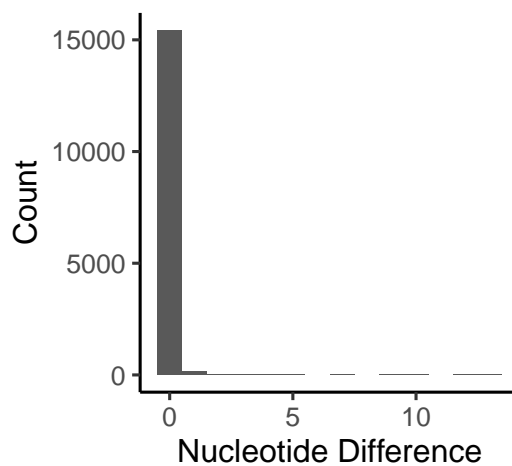
TRBV16*ap01

216 sequences assigned
215 (99.5%) exact matches, in which:
214 unique CDR3
12 unique J



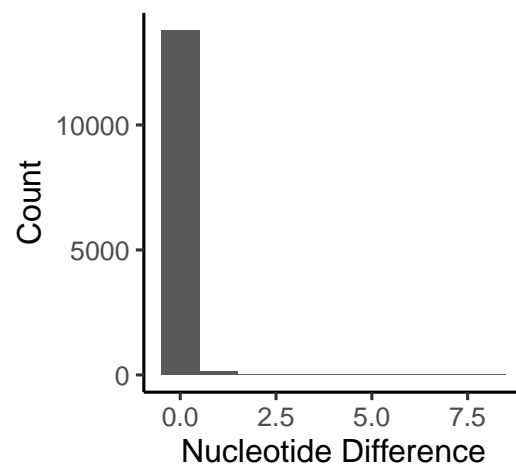
TRBV19*ap01

15609 sequences assigned
15434 (98.9%) exact matches, in which:
15216 unique CDR3
13 unique J



TRBV27*ap01

13974 sequences assigned
13792 (98.7%) exact matches, in which:
13382 unique CDR3
13 unique J



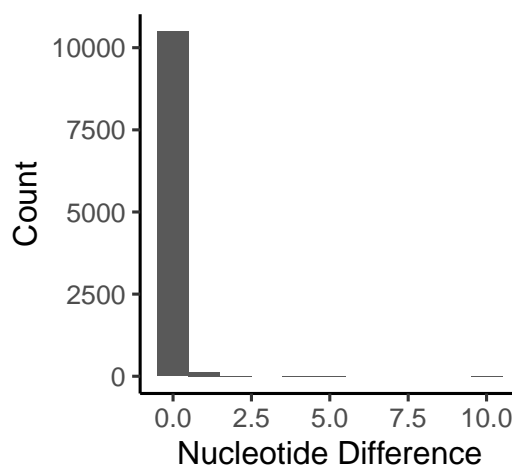
TRBV17*ap01

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



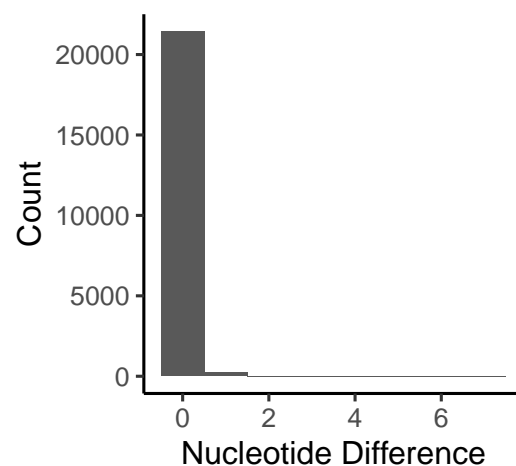
TRBV2*ap01

10625 sequences assigned
10494 (98.8%) exact matches, in which:
10261 unique CDR3
13 unique J



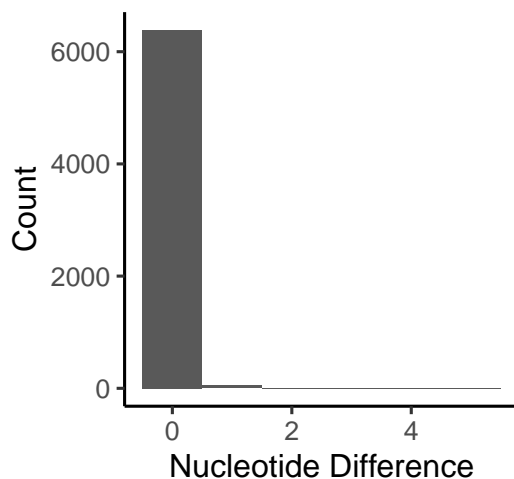
TRBV28*ap01

21686 sequences assigned
21435 (98.8%) exact matches, in which:
20938 unique CDR3
13 unique J



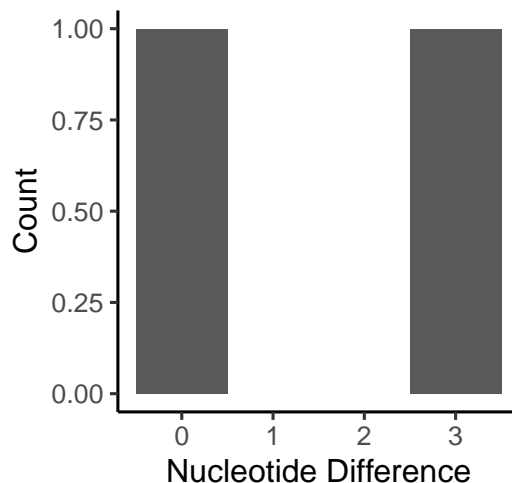
TRBV18*ap01

6443 sequences assigned
6386 (99.1%) exact matches, in which:
6293 unique CDR3
13 unique J



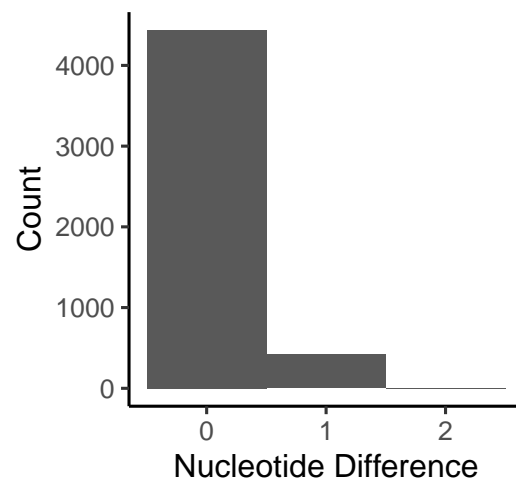
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



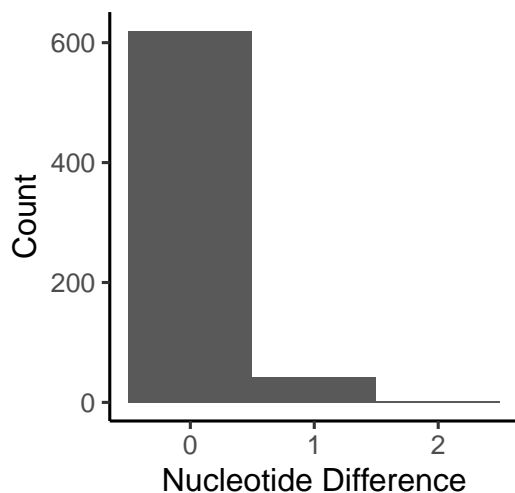
TRBV30*ap01

4861 sequences assigned
4438 (91.3%) exact matches, in which:
4377 unique CDR3
13 unique J



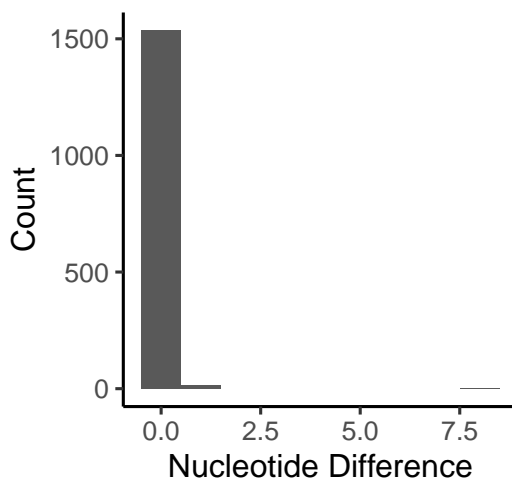
TRBV30*ap03

664 sequences assigned
620 (93.4%) exact matches, in which:
603 unique CDR3
13 unique J



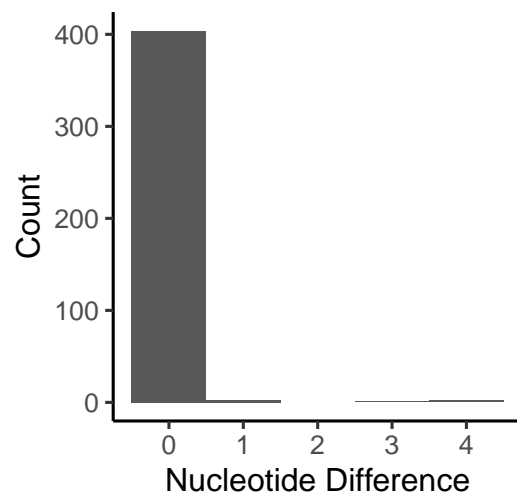
TRBV11-1*ap01

1552 sequences assigned
1536 (99%) exact matches, in which:
1515 unique CDR3
13 unique J



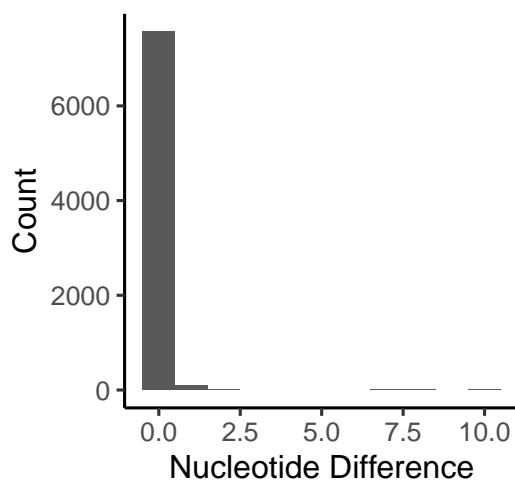
TRBV12-1*ap01

410 sequences assigned
404 (98.5%) exact matches, in which:
390 unique CDR3
13 unique J



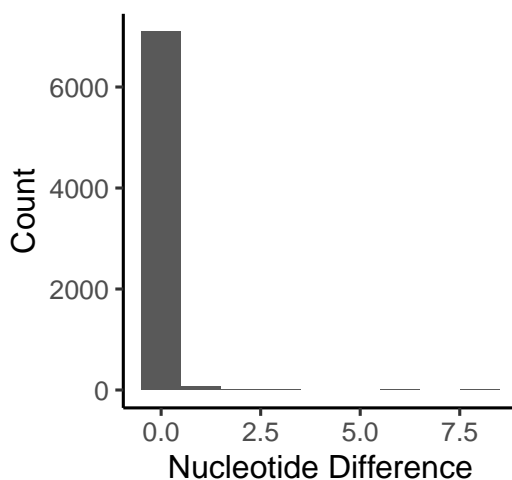
TRBV9*ap01

7661 sequences assigned
7566 (98.8%) exact matches, in which:
7414 unique CDR3
13 unique J



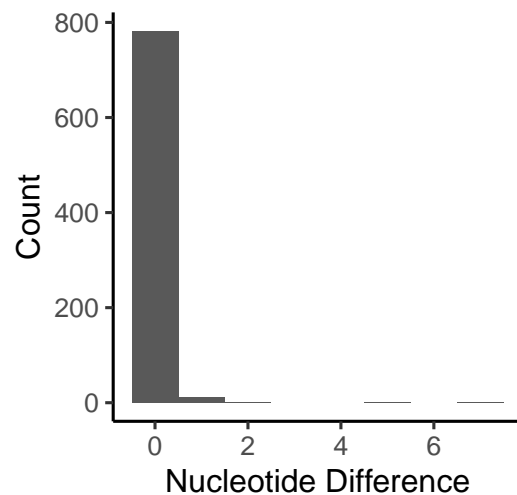
TRBV11-2*ap01

7160 sequences assigned
7095 (99.1%) exact matches, in which:
6908 unique CDR3
13 unique J



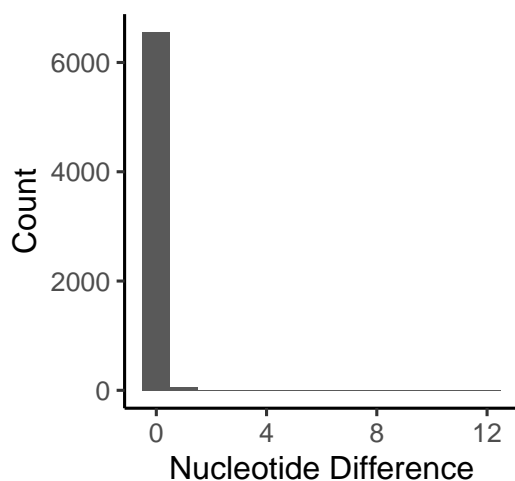
TRBV12-2*ap01

797 sequences assigned
782 (98.1%) exact matches, in which:
761 unique CDR3
13 unique J



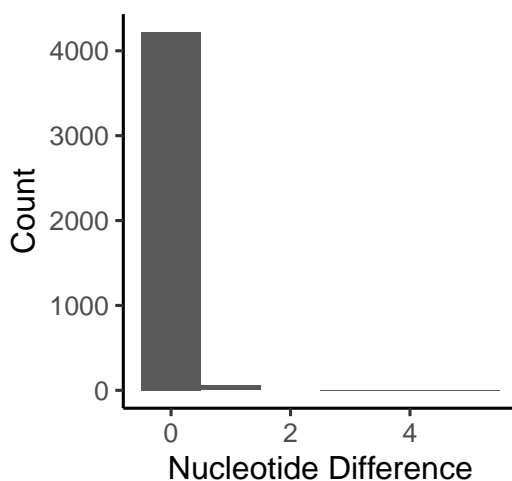
TRBV21-1*ap01

6663 sequences assigned
6557 (98.4%) exact matches, in which:
6455 unique CDR3
13 unique J



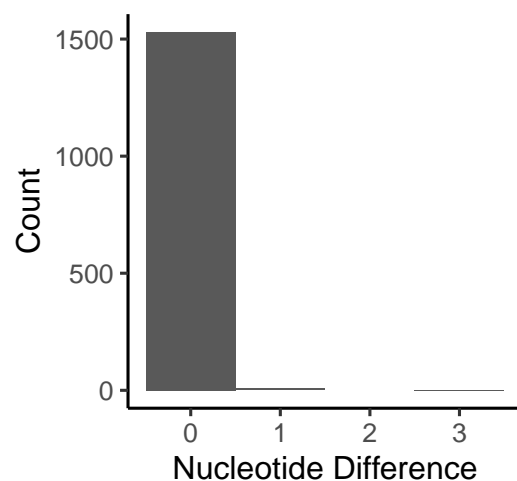
TRBV11-3*ap01

4280 sequences assigned
4221 (98.6%) exact matches, in which:
4131 unique CDR3
13 unique J



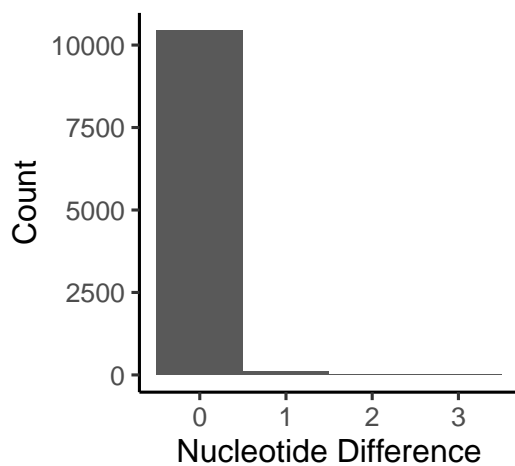
TRBV12-5*ap01

1539 sequences assigned
1530 (99.4%) exact matches, in which:
1500 unique CDR3
13 unique J



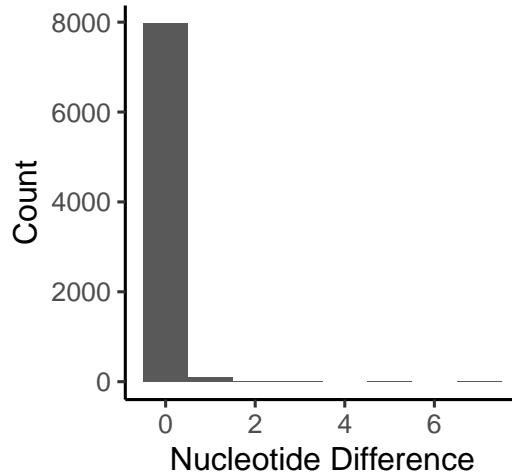
TRBV12–34*ap01

10580 sequences assigned
10452 (98.8%) exact matches, in which:
10210 unique CDR3
13 unique J



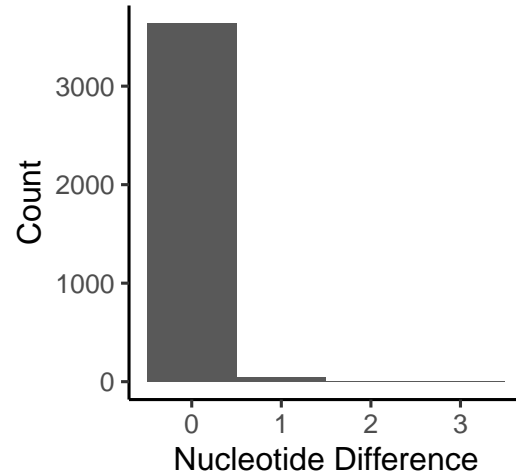
TRBV24–1*ap01

8102 sequences assigned
7972 (98.4%) exact matches, in which:
7818 unique CDR3
13 unique J



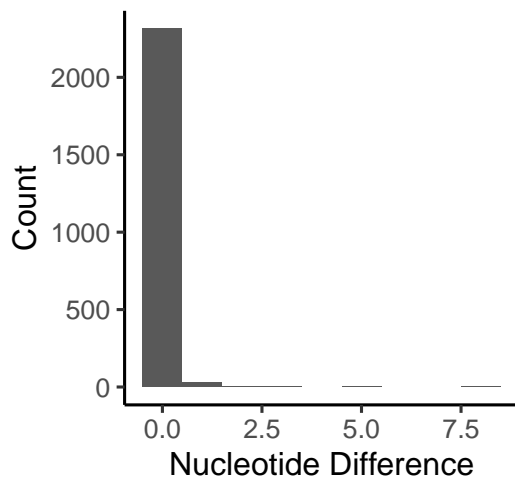
TRBV4–3*ap01

3683 sequences assigned
3637 (98.8%) exact matches, in which:
3538 unique CDR3
13 unique J



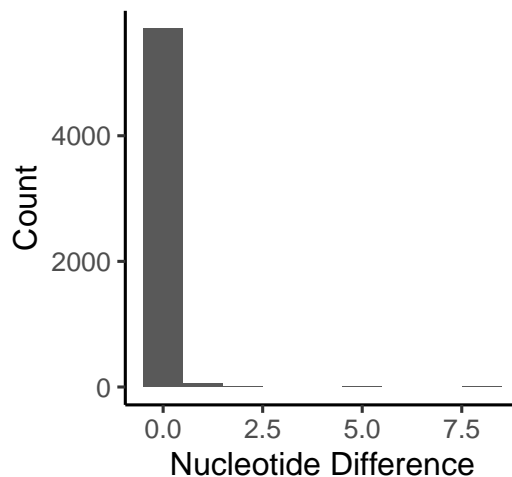
TRBV23–1*ap01

2350 sequences assigned
2314 (98.5%) exact matches, in which:
2264 unique CDR3
14 unique J



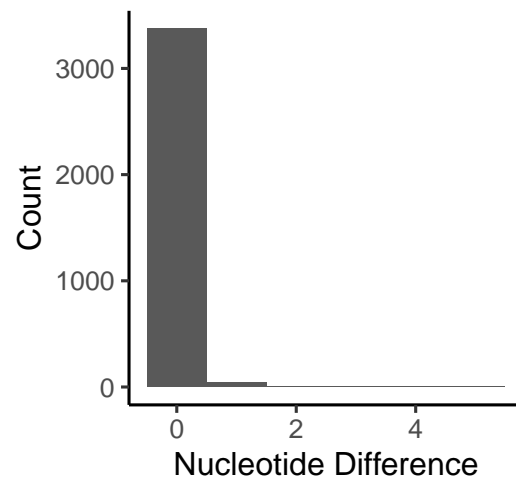
TRBV4–1*ap01

5772 sequences assigned
5704 (98.8%) exact matches, in which:
5560 unique CDR3
13 unique J



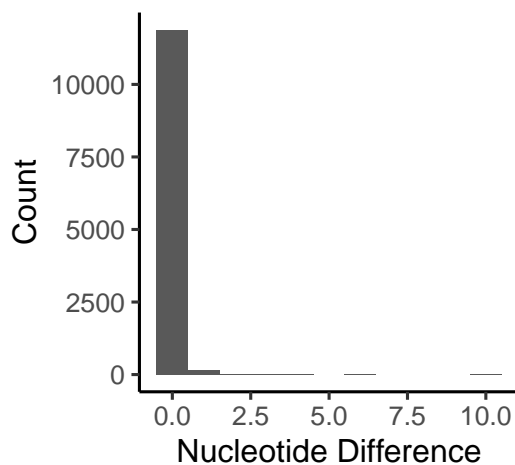
TRBV25–1*ap01

3427 sequences assigned
3374 (98.5%) exact matches, in which:
3306 unique CDR3
13 unique J



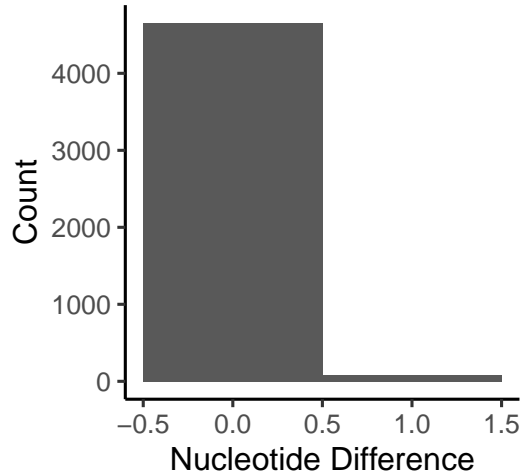
TRBV3–12*ap01

12057 sequences assigned
11882 (98.5%) exact matches, in which:
11587 unique CDR3
13 unique J



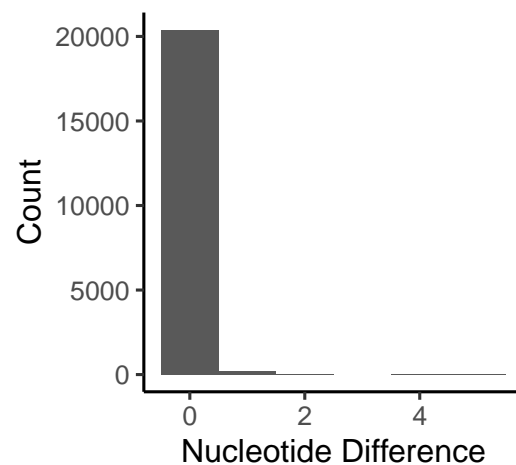
TRBV4–2*ap01

4739 sequences assigned
4653 (98.2%) exact matches, in which:
4545 unique CDR3
13 unique J



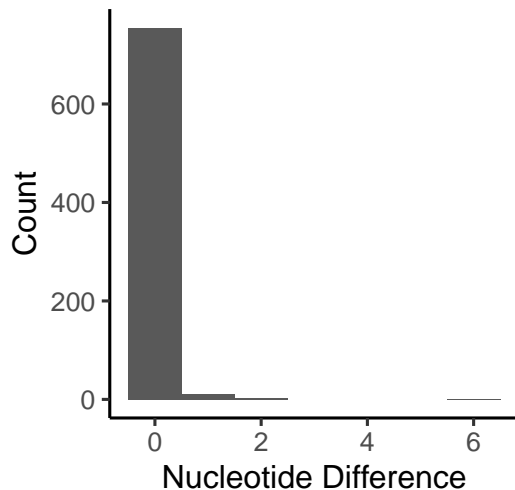
TRBV5–1*ap01

20636 sequences assigned
20393 (98.8%) exact matches, in which:
19859 unique CDR3
13 unique J



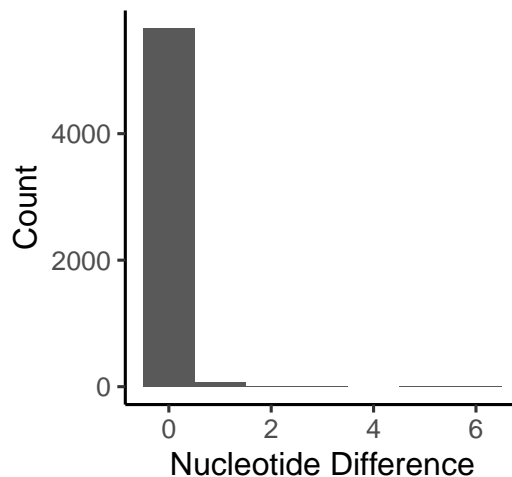
TRBV5-3*ap01

770 sequences assigned
755 (98.1%) exact matches, in which:
739 unique CDR3
13 unique J



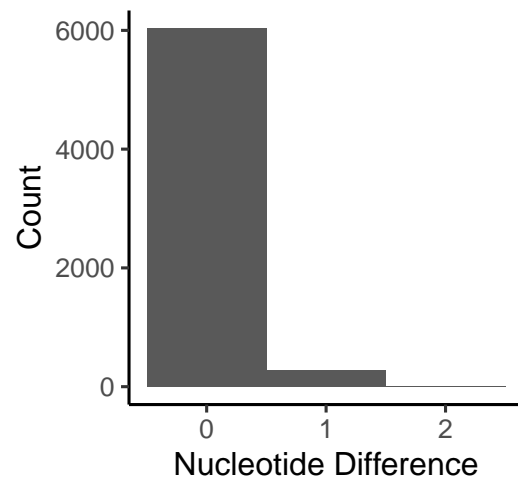
TRBV5-6*ap01

5743 sequences assigned
5664 (98.6%) exact matches, in which:
5515 unique CDR3
13 unique J



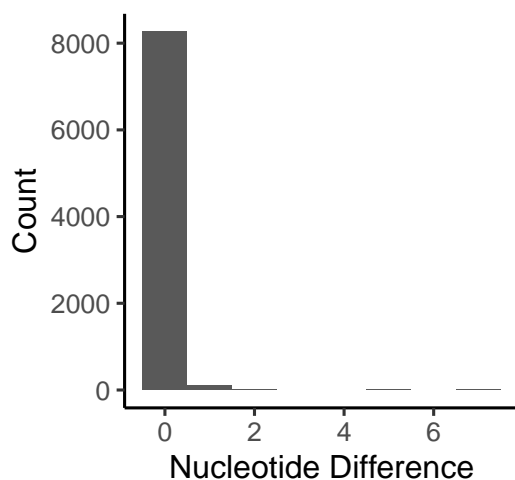
TRBV6-1*ap01

6323 sequences assigned
6033 (95.4%) exact matches, in which:
5874 unique CDR3
13 unique J



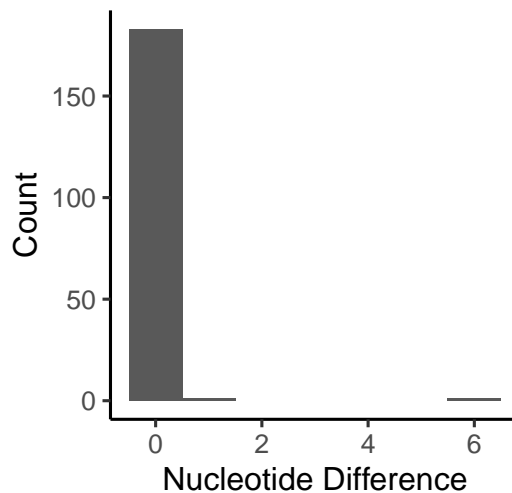
TRBV5-4*ap01

8369 sequences assigned
8264 (98.7%) exact matches, in which:
8063 unique CDR3
13 unique J



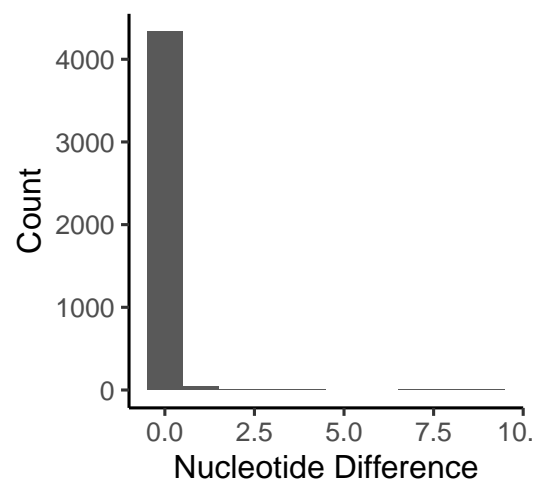
TRBV5-7*ap01

185 sequences assigned
183 (98.9%) exact matches, in which:
181 unique CDR3
13 unique J



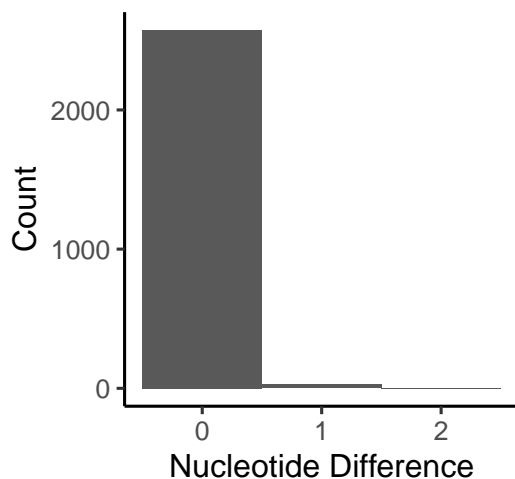
TRBV6-4*ap01

4398 sequences assigned
4333 (98.5%) exact matches, in which:
4240 unique CDR3
13 unique J



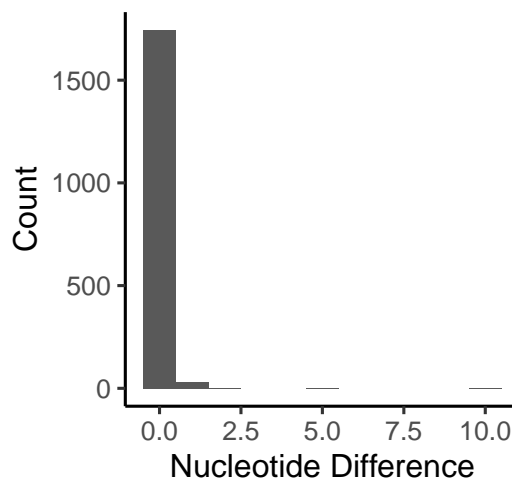
TRBV5-5*ap01

2603 sequences assigned
2574 (98.9%) exact matches, in which:
2548 unique CDR3
13 unique J



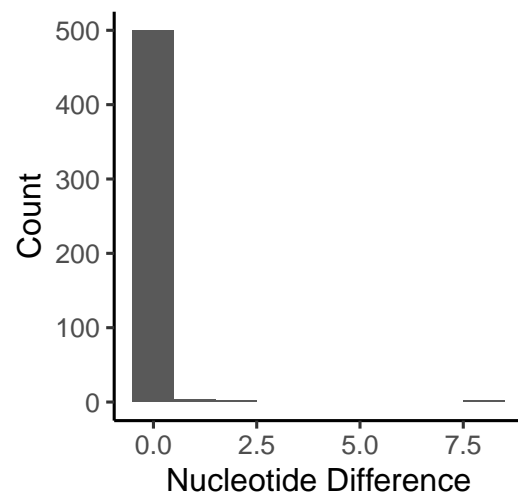
TRBV5-8*ap01

1780 sequences assigned
1744 (98%) exact matches, in which:
1708 unique CDR3
13 unique J



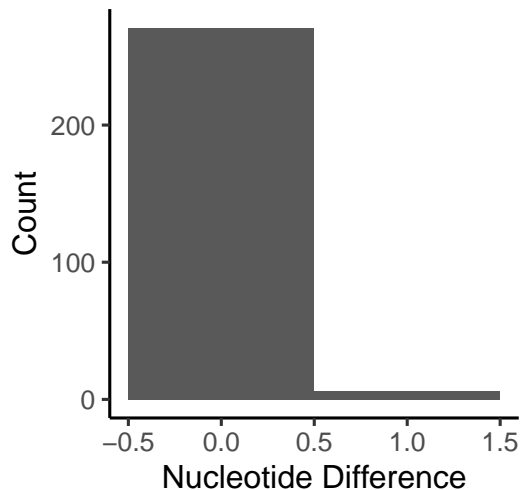
TRBV6-7*ap01

508 sequences assigned
500 (98.4%) exact matches, in which:
483 unique CDR3
13 unique J



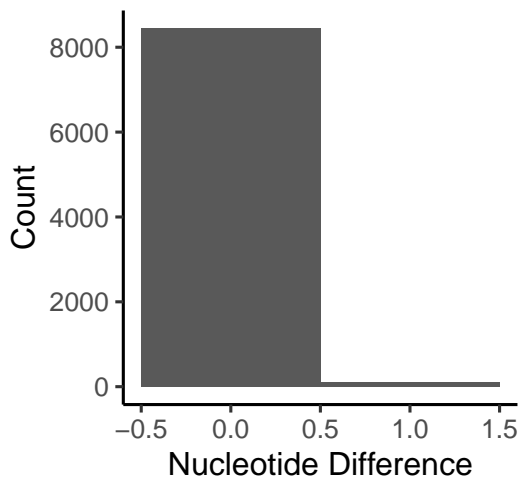
TRBV6–8*ap01

277 sequences assigned
271 (97.8%) exact matches, in which:
261 unique CDR3
13 unique J



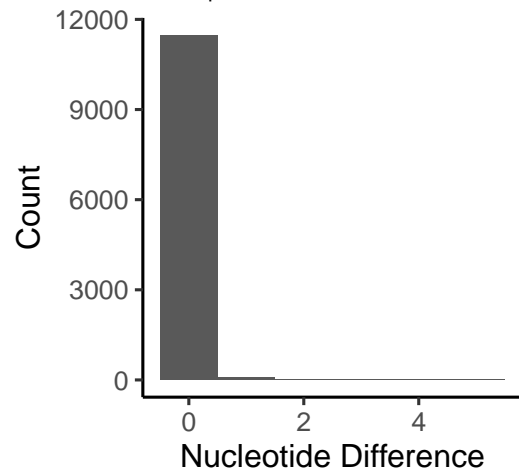
TRBV6–56*ap01

8553 sequences assigned
8444 (98.7%) exact matches, in which:
8217 unique CDR3
13 unique J



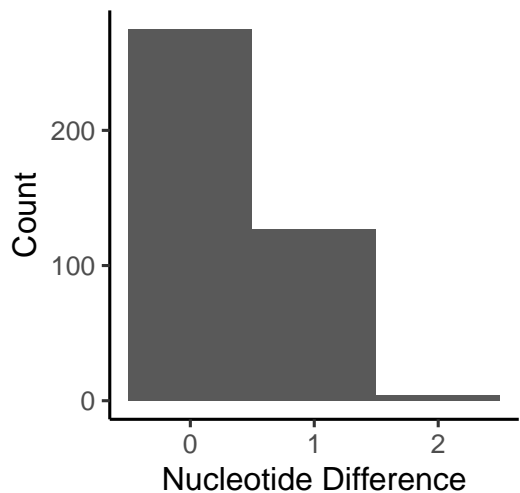
TRBV7–2*ap01

11564 sequences assigned
11476 (99.2%) exact matches, in which:
11207 unique CDR3
13 unique J



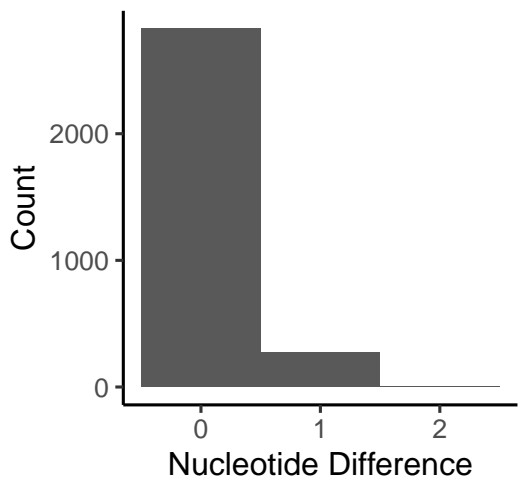
TRBV6–9*ap01

406 sequences assigned
275 (67.7%) exact matches, in which:
267 unique CDR3
13 unique J



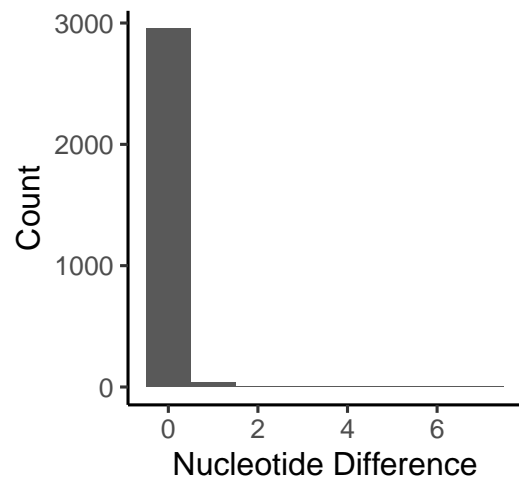
TRBV6–56*ap02

3102 sequences assigned
2829 (91.2%) exact matches, in which:
2752 unique CDR3
13 unique J



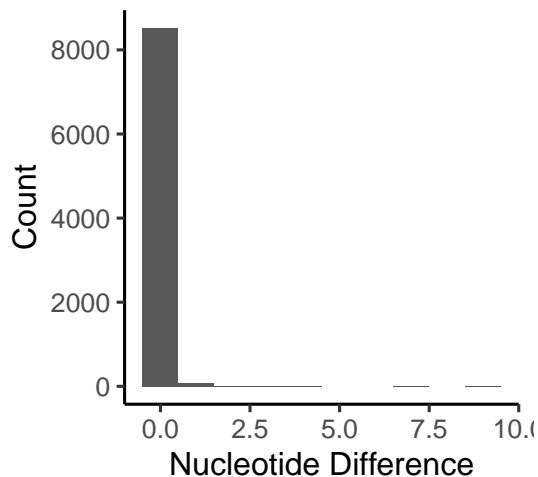
TRBV7–3*ap03

3001 sequences assigned
2953 (98.4%) exact matches, in which:
2871 unique CDR3
13 unique J



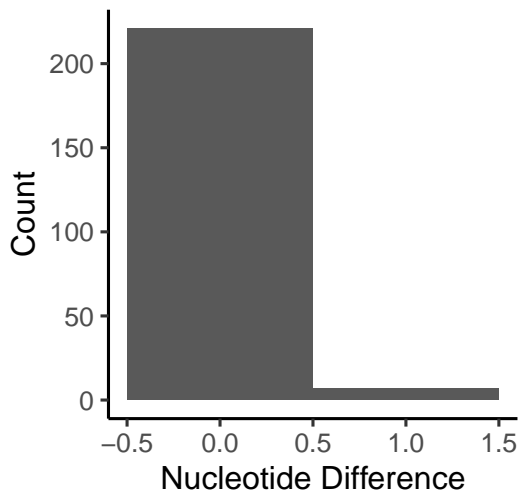
TRBV6–23*ap01

8612 sequences assigned
8519 (98.9%) exact matches, in which:
8304 unique CDR3
13 unique J



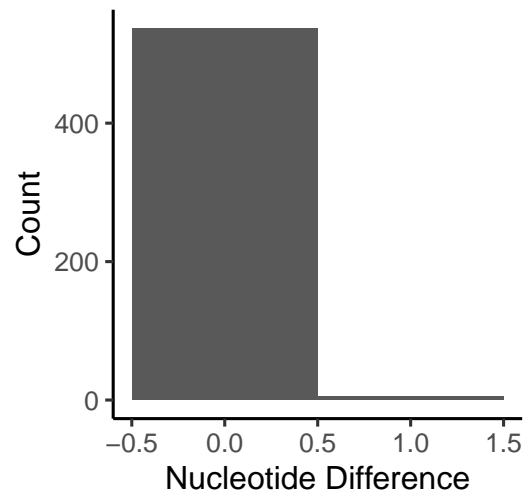
TRBV7–1*ap01_G291C_

228 sequences assigned
221 (96.9%) exact matches, in which:
218 unique CDR3
13 unique J



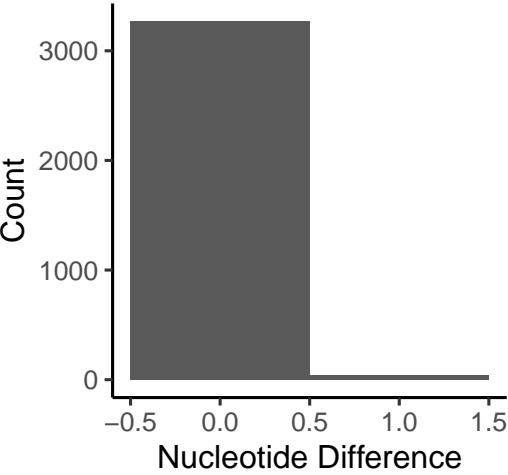
TRBV7–4*ap01

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



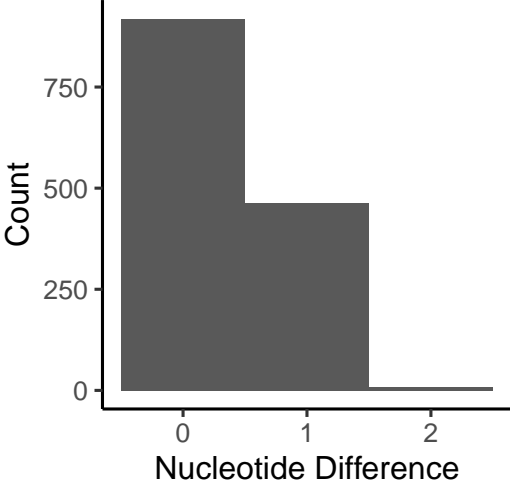
TRBV7-6*ap01

3308 sequences assigned
3268 (98.8%) exact matches, in which:
3185 unique CDR3
13 unique J



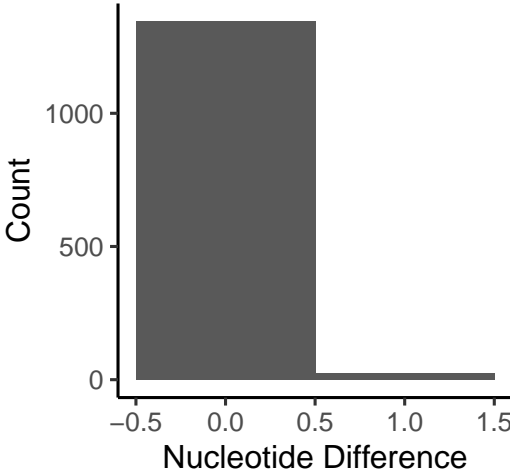
TRBV7-8*ap03

1391 sequences assigned
919 (66.1%) exact matches, in which:
892 unique CDR3
13 unique J



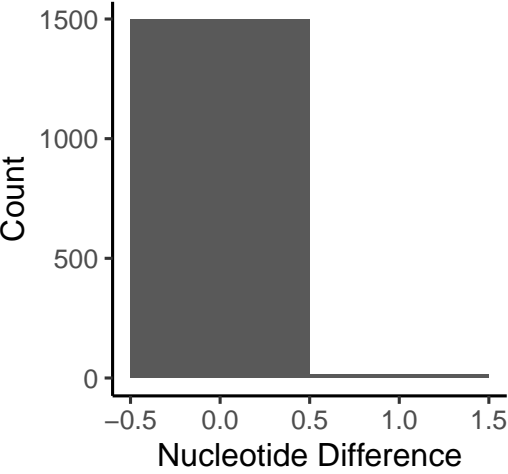
TRBV29-1*ap02

1368 sequences assigned
1345 (98.3%) exact matches, in which:
1311 unique CDR3
13 unique J



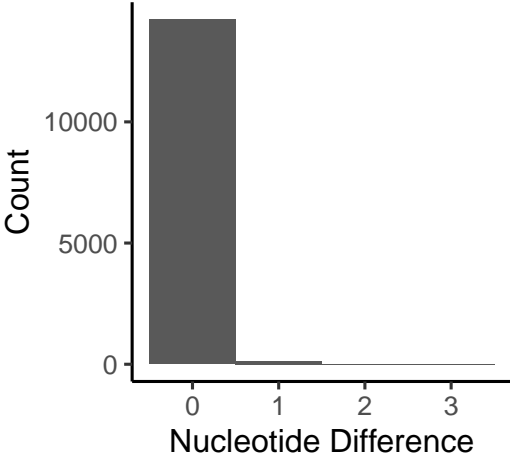
TRBV7-7*ap01_C315T

1510 sequences assigned
1497 (99.1%) exact matches, in which:
1468 unique CDR3
13 unique J



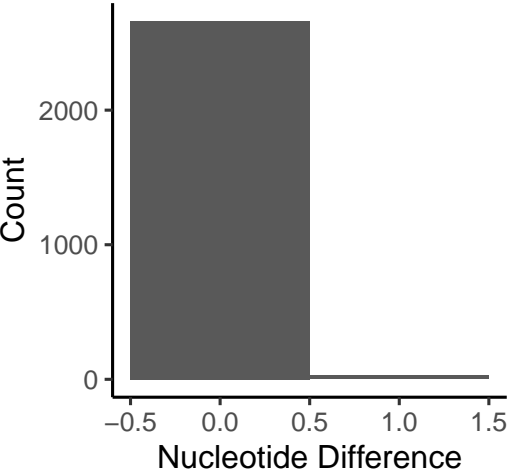
TRBV7-9*ap01

14356 sequences assigned
14225 (99.1%) exact matches, in which:
13986 unique CDR3
13 unique J



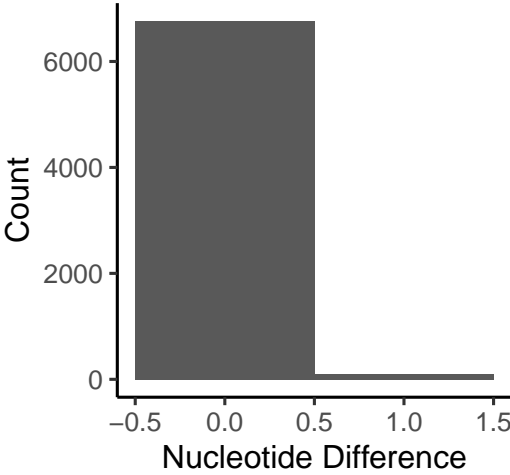
TRBV7-8*ap01

2690 sequences assigned
2662 (99%) exact matches, in which:
2596 unique CDR3
13 unique J

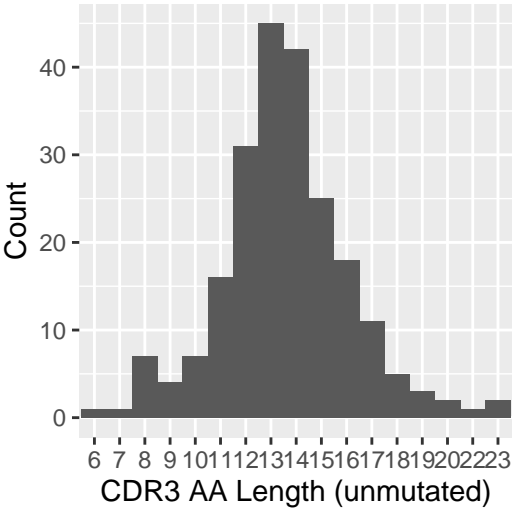


TRBV29-1*ap01

6860 sequences assigned
6763 (98.6%) exact matches, in which:
6632 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

