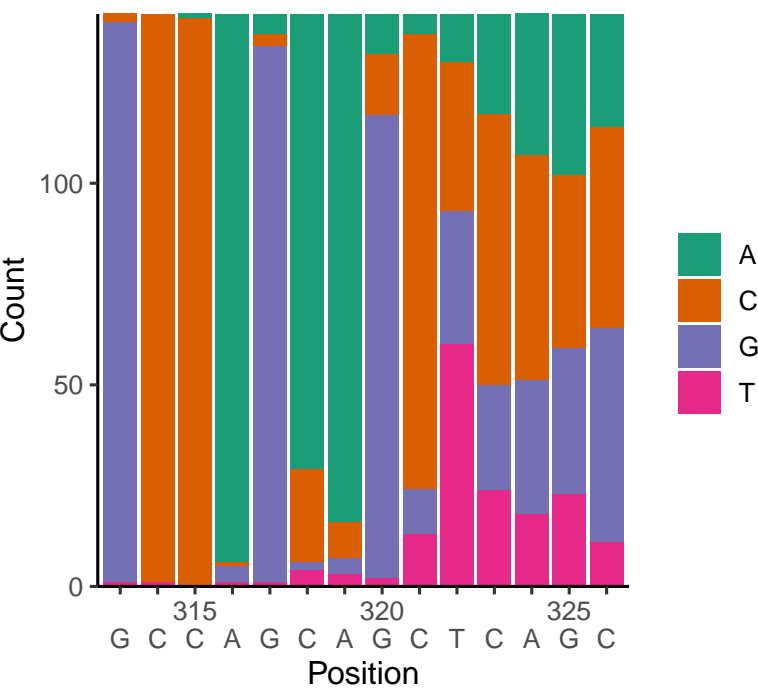
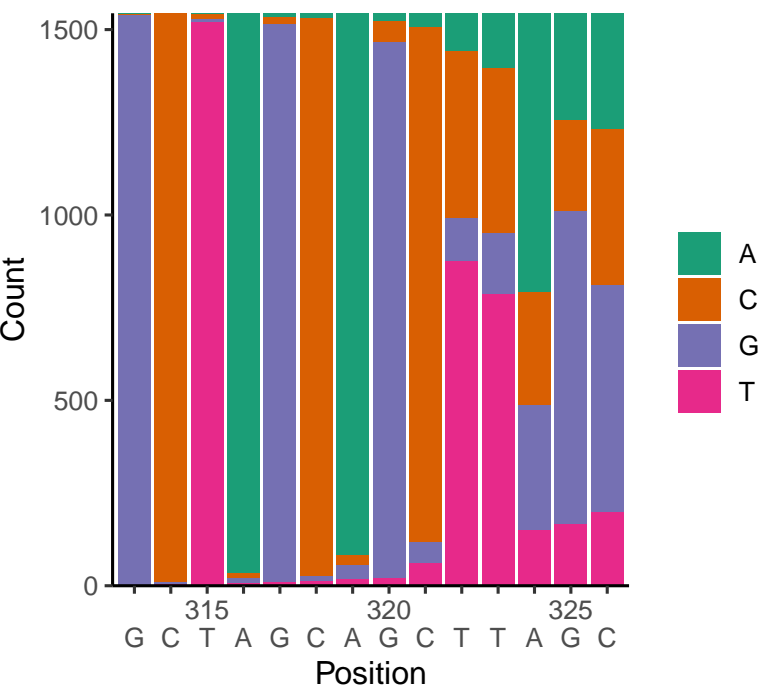


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



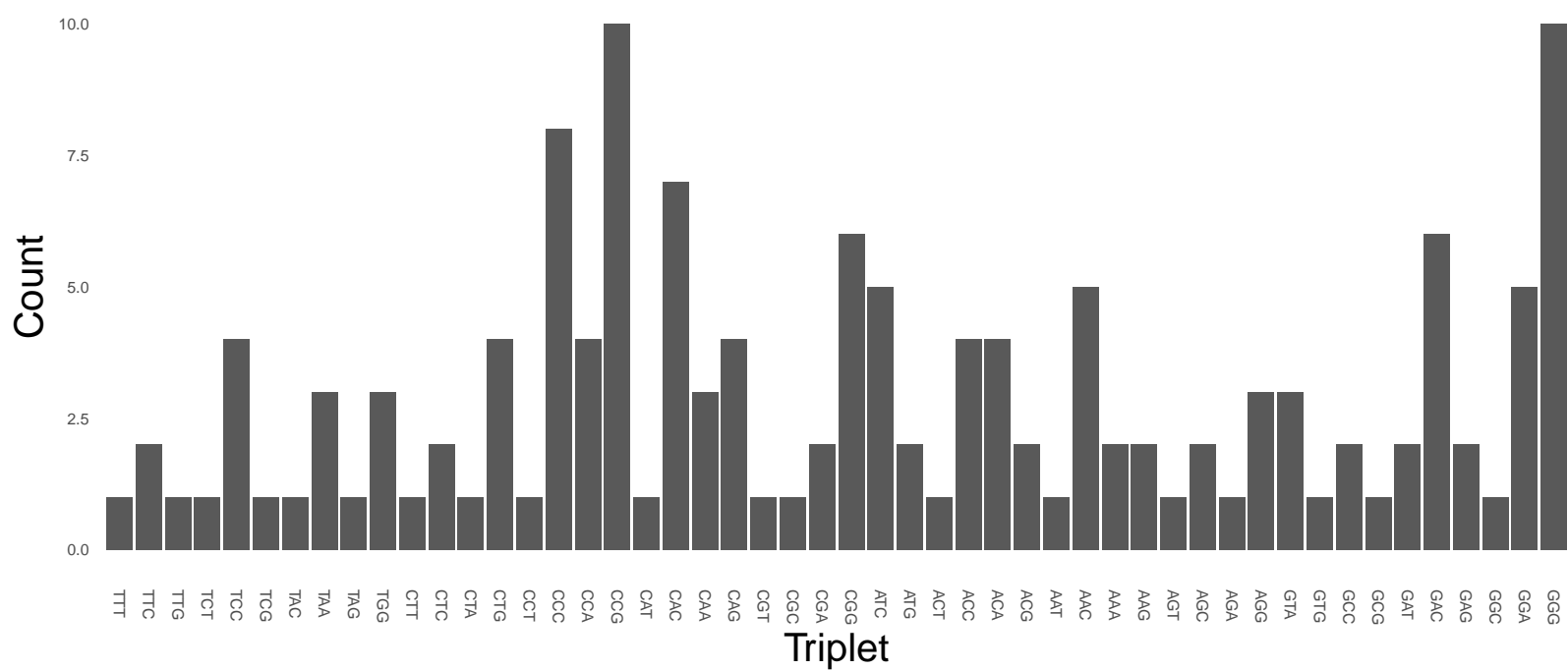
Gene TRBV7-1*ap01_T296C



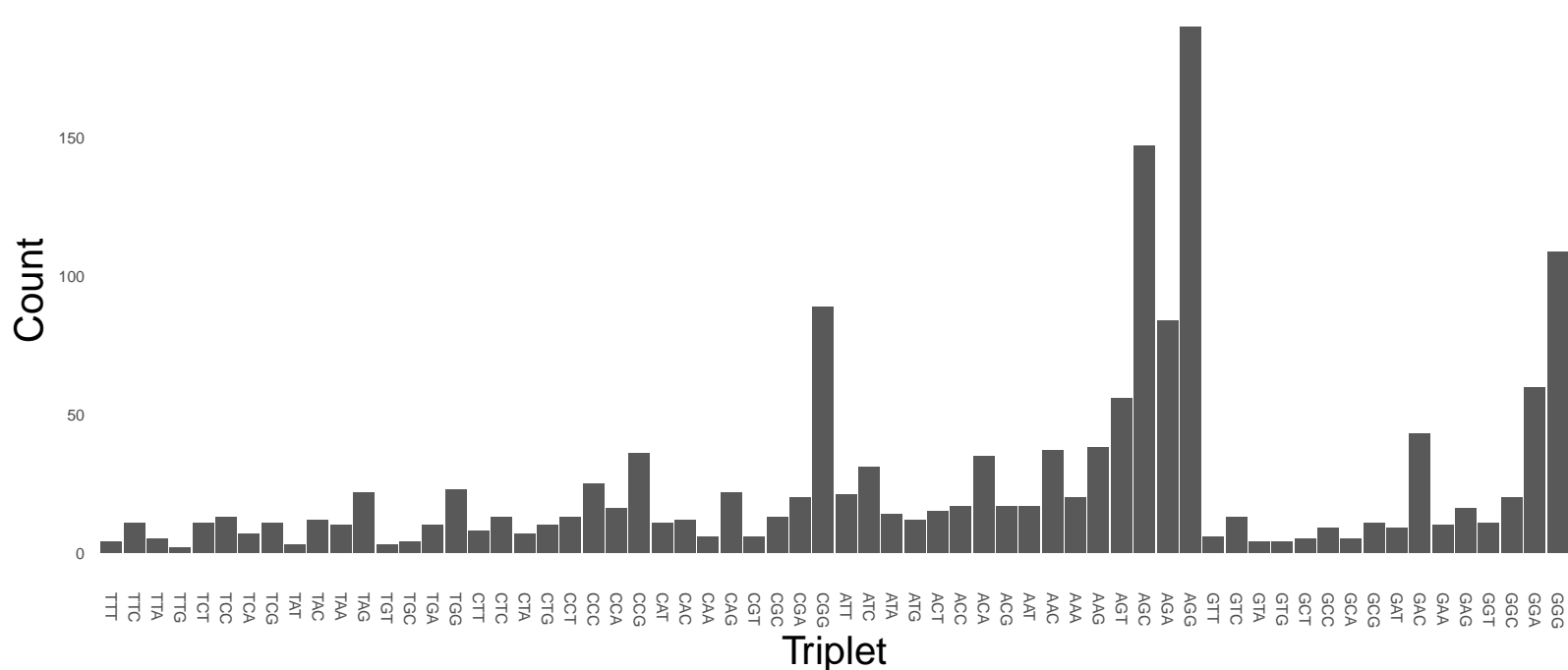
Gene TRBV7-7*ap01_C315T



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

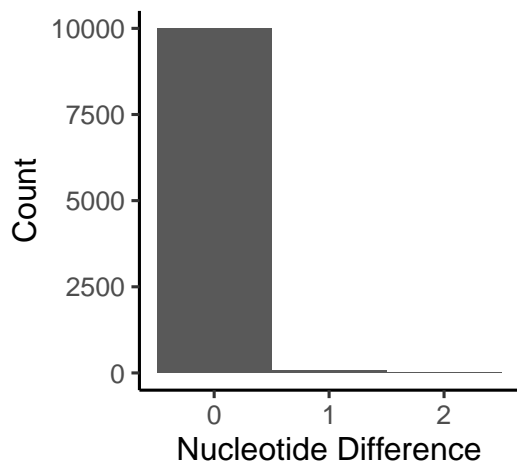


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



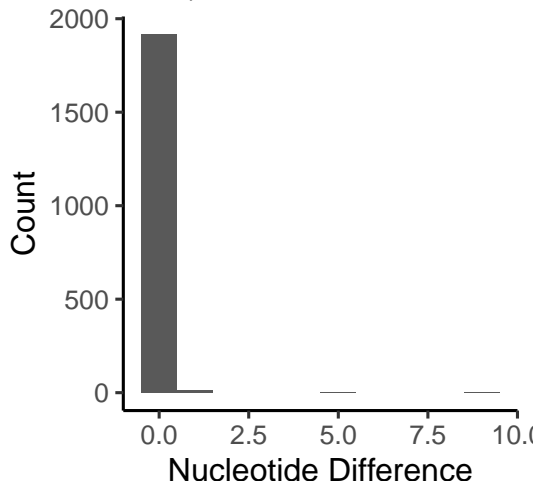
TRBV20-1*ap01

10078 sequences assigned
10006 (99.3%) exact matches, in which:
9928 unique CDR3
13 unique J



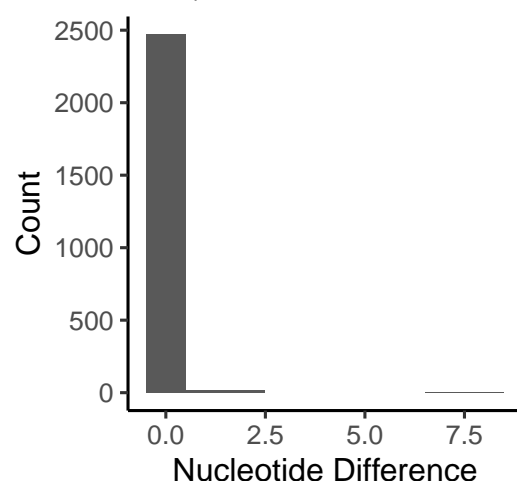
TRBV10-2*ap01

1932 sequences assigned
1916 (99.2%) exact matches, in which:
1889 unique CDR3
13 unique J



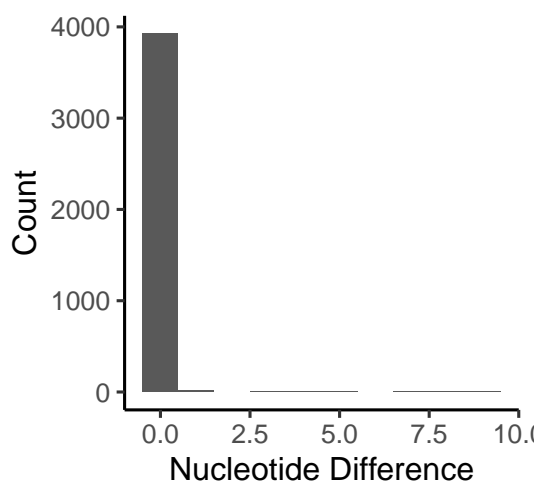
TRBV13*ap01

2508 sequences assigned
2471 (98.5%) exact matches, in which:
2429 unique CDR3
13 unique J



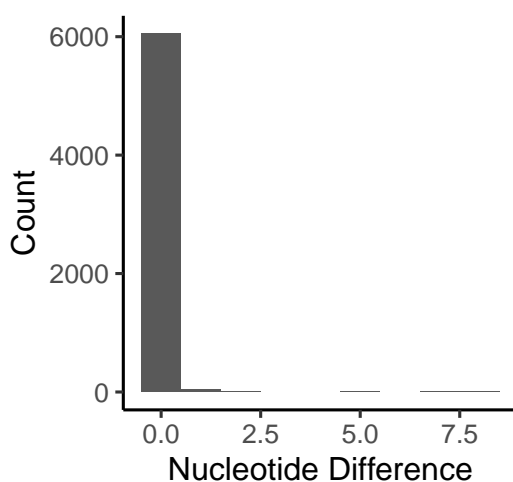
TRBV10-1*ap01

3946 sequences assigned
3925 (99.5%) exact matches, in which:
3883 unique CDR3
13 unique J



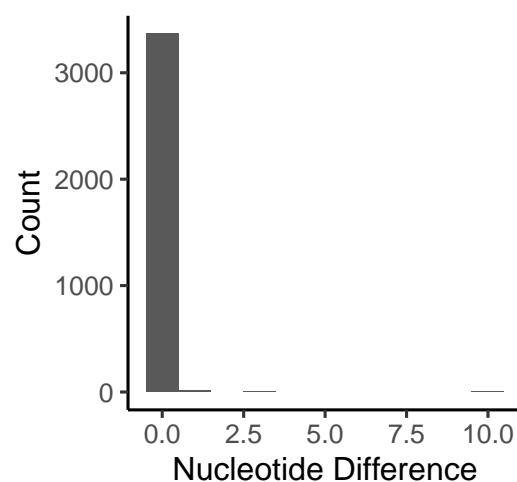
TRBV10-3*ap01

6096 sequences assigned
6050 (99.2%) exact matches, in which:
5975 unique CDR3
13 unique J



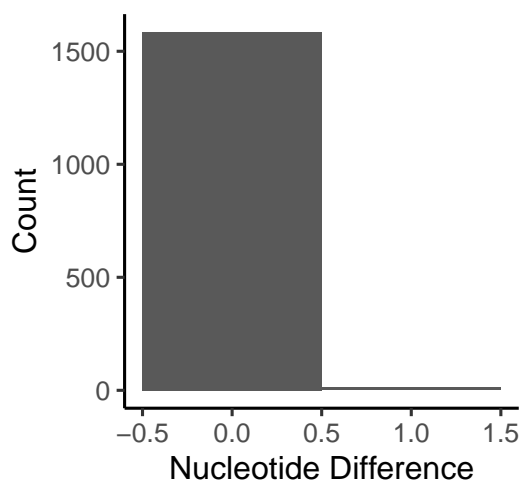
TRBV14*ap01

3382 sequences assigned
3367 (99.6%) exact matches, in which:
3329 unique CDR3
13 unique J



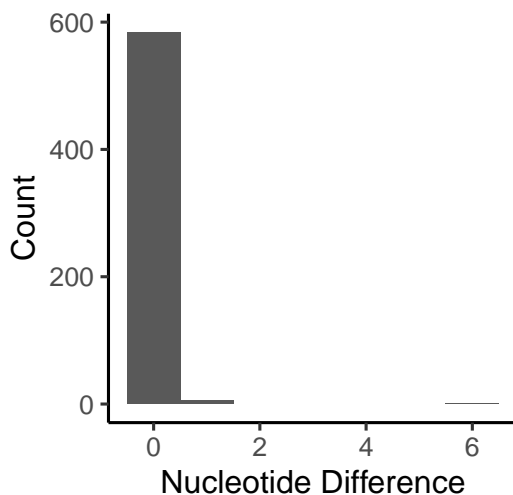
TRBV20-1*ap02

1597 sequences assigned
1585 (99.2%) exact matches, in which:
1570 unique CDR3
13 unique J



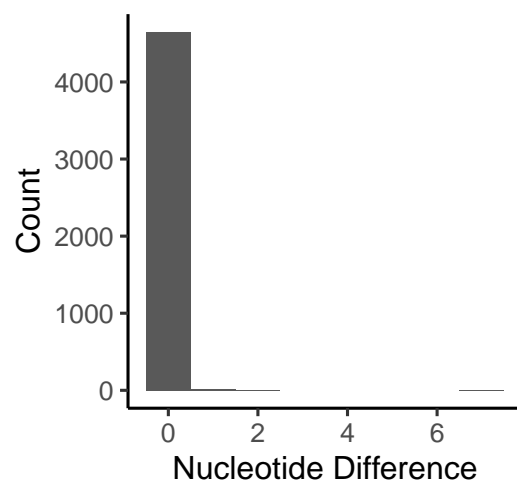
TRBV1*ap01

591 sequences assigned
584 (98.8%) exact matches, in which:
574 unique CDR3
13 unique J



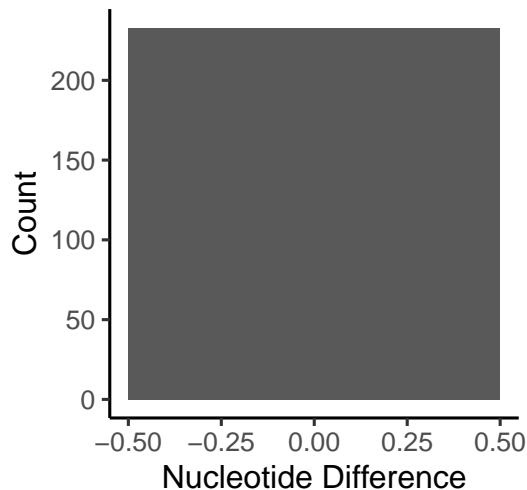
TRBV15*ap02

4671 sequences assigned
4647 (99.5%) exact matches, in which:
4577 unique CDR3
13 unique J



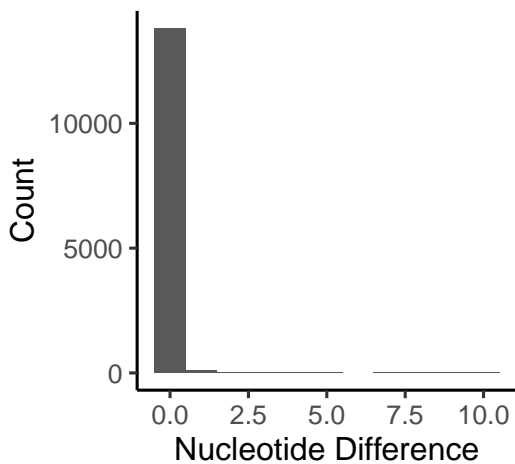
TRBV16*ap01

233 sequences assigned
233 (100%) exact matches, in which:
230 unique CDR3
13 unique J



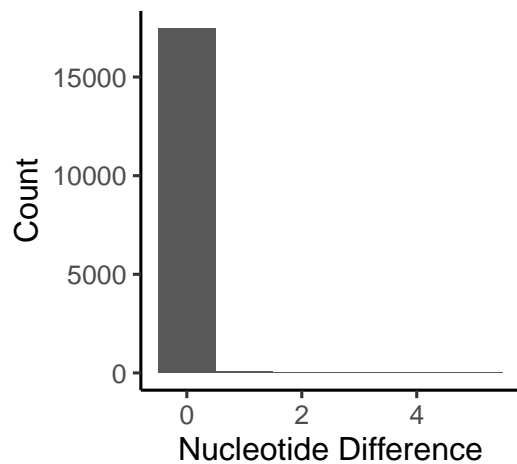
TRBV19*ap01

13917 sequences assigned
13815 (99.3%) exact matches, in which:
13724 unique CDR3
13 unique J



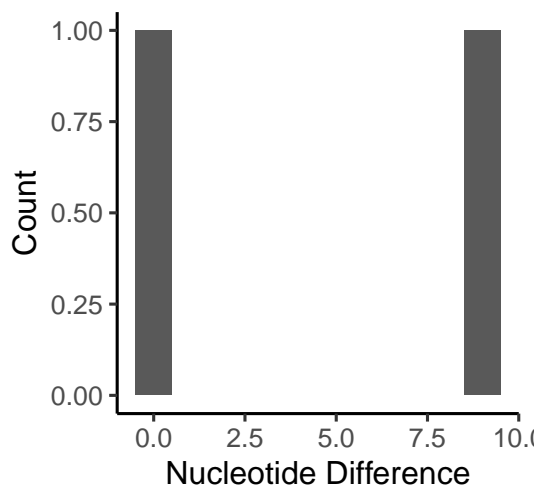
TRBV28*ap01

17577 sequences assigned
17478 (99.4%) exact matches, in which:
17337 unique CDR3
14 unique J



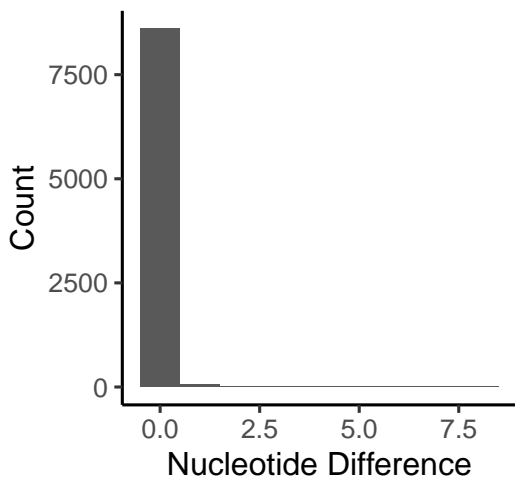
TRBV17*ap01

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



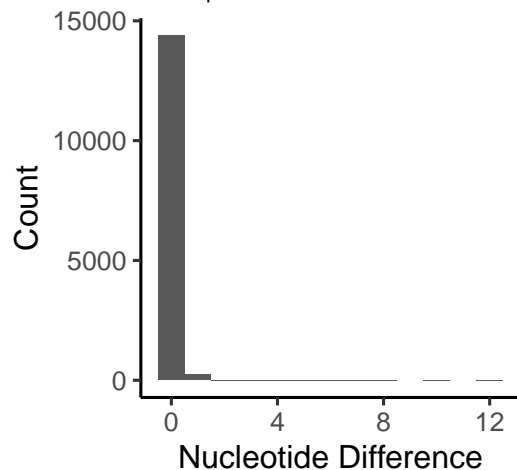
TRBV2*ap01

8674 sequences assigned
8603 (99.2%) exact matches, in which:
8506 unique CDR3
13 unique J



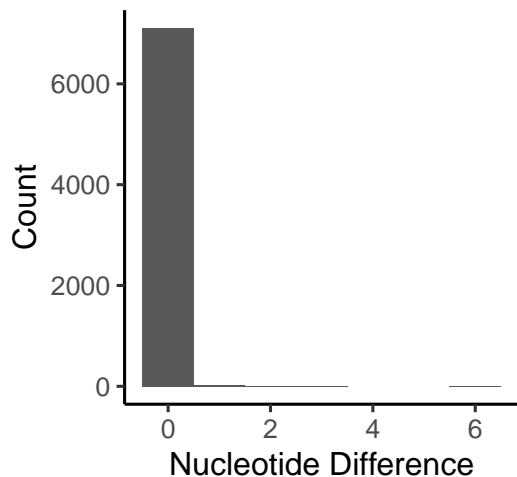
TRBV30*ap01

14663 sequences assigned
14389 (98.1%) exact matches, in which:
14049 unique CDR3
13 unique J



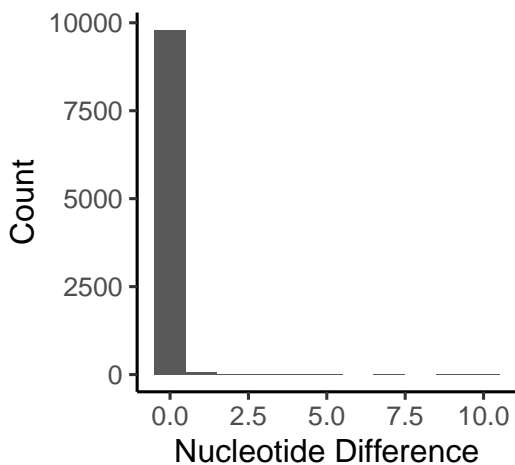
TRBV18*ap01

7138 sequences assigned
7107 (99.6%) exact matches, in which:
7068 unique CDR3
13 unique J



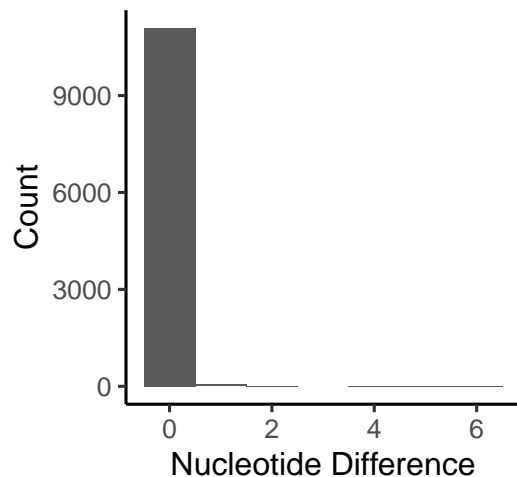
TRBV27*ap01

9880 sequences assigned
9800 (99.2%) exact matches, in which:
9713 unique CDR3
13 unique J



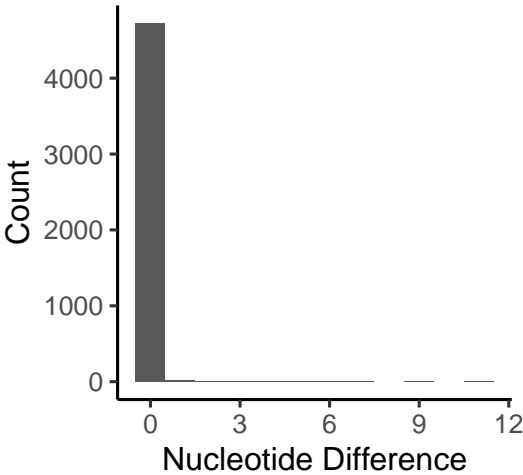
TRBV9*ap01

11156 sequences assigned
11090 (99.4%) exact matches, in which:
11007 unique CDR3
13 unique J



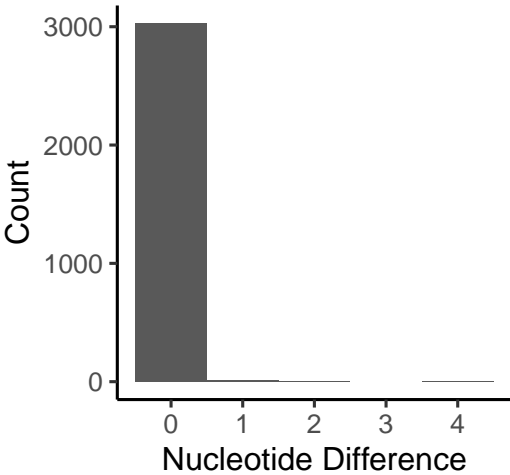
TRBV21-1*ap01

4790 sequences assigned
4722 (98.6%) exact matches, in which:
4703 unique CDR3
14 unique J



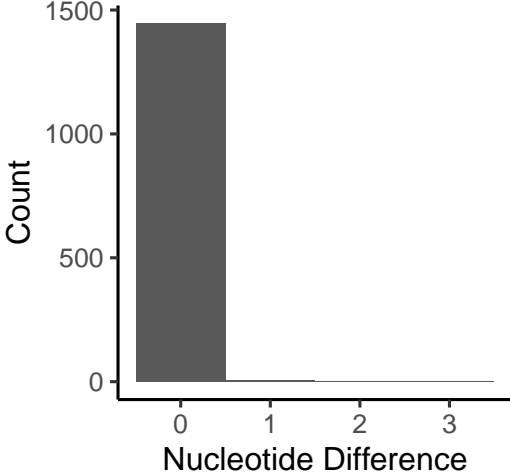
TRBV11-3*ap01

3044 sequences assigned
3028 (99.5%) exact matches, in which:
3009 unique CDR3
13 unique J



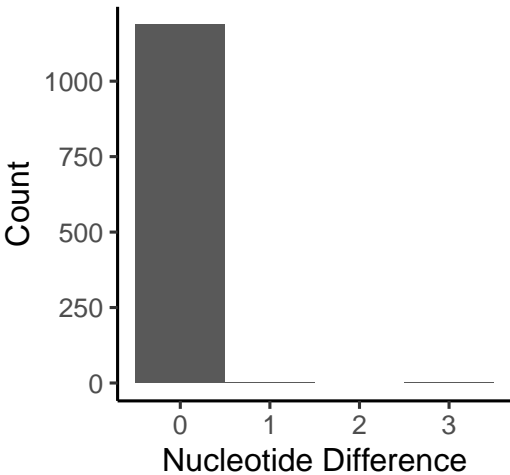
TRBV12-5*ap01

1457 sequences assigned
1446 (99.2%) exact matches, in which:
1433 unique CDR3
13 unique J



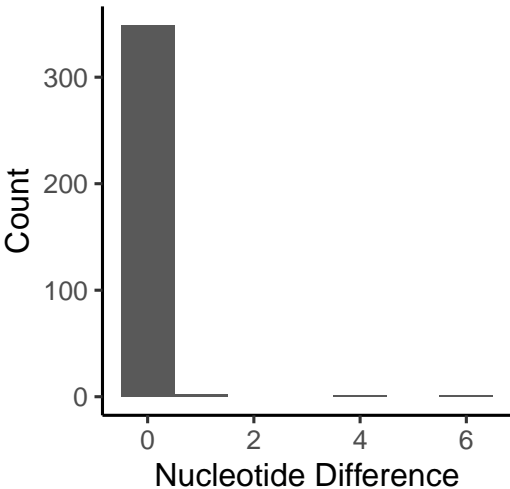
TRBV11-1*ap01

1190 sequences assigned
1187 (99.7%) exact matches, in which:
1184 unique CDR3
13 unique J



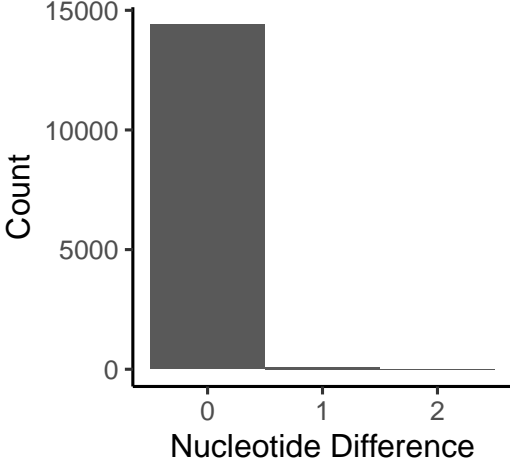
TRBV12-1*ap01

353 sequences assigned
349 (98.9%) exact matches, in which:
347 unique CDR3
13 unique J



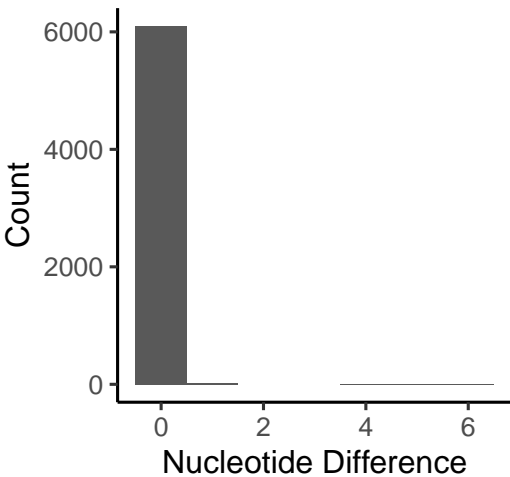
TRBV12-34*ap01

14500 sequences assigned
14408 (99.4%) exact matches, in which:
14254 unique CDR3
13 unique J



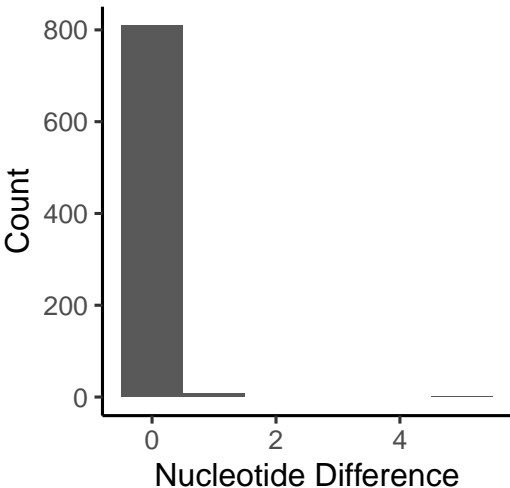
TRBV11-2*ap01

6123 sequences assigned
6099 (99.6%) exact matches, in which:
6063 unique CDR3
13 unique J



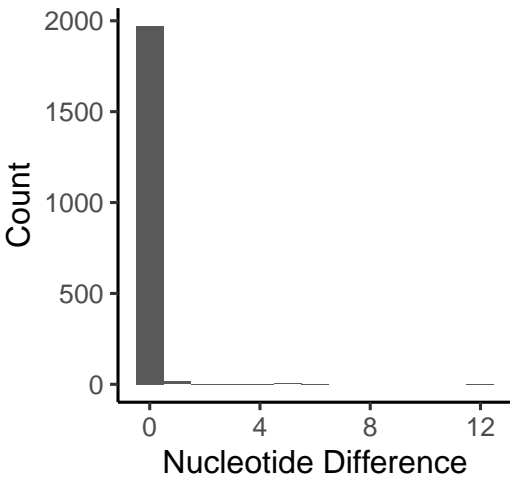
TRBV12-2*ap01

819 sequences assigned
810 (98.9%) exact matches, in which:
803 unique CDR3
13 unique J



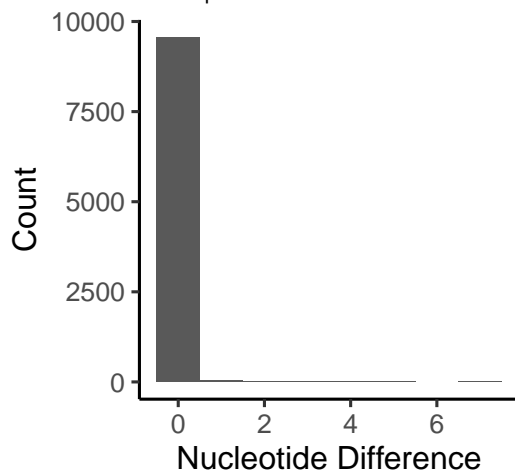
TRBV23-1*ap01

1998 sequences assigned
1971 (98.6%) exact matches, in which:
1948 unique CDR3
13 unique J



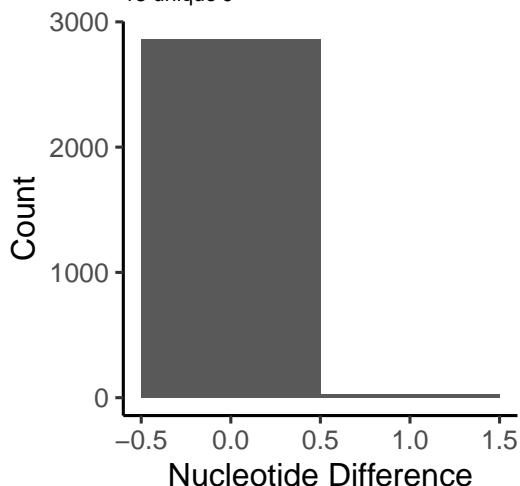
TRBV3–12*ap01

9623 sequences assigned
9566 (99.4%) exact matches, in which:
9523 unique CDR3
13 unique J



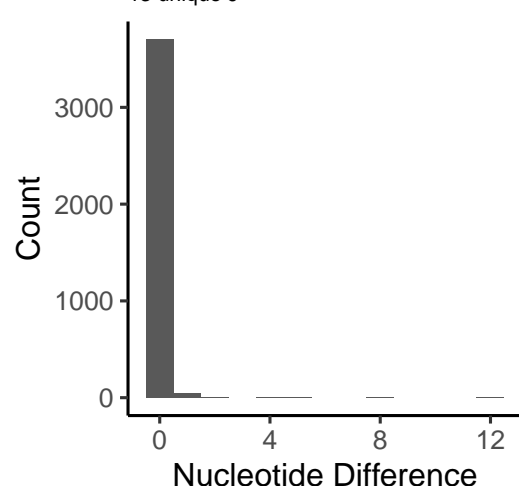
TRBV4–2*ap01

2892 sequences assigned
2860 (98.9%) exact matches, in which:
2813 unique CDR3
13 unique J



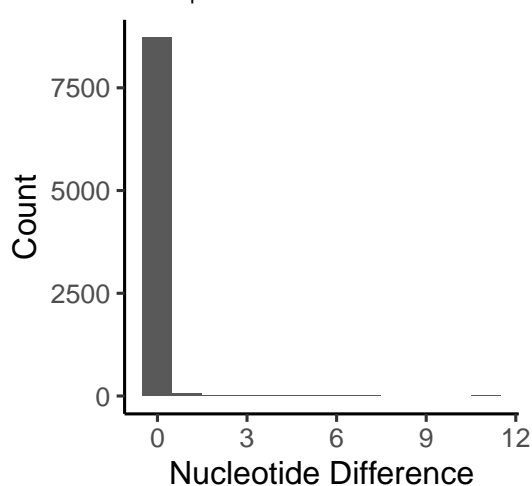
TRBV25–1*ap01

3754 sequences assigned
3702 (98.6%) exact matches, in which:
3629 unique CDR3
13 unique J



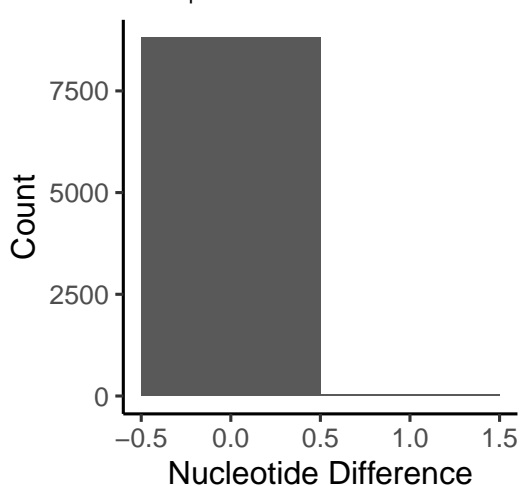
TRBV24–1*ap01

8806 sequences assigned
8719 (99%) exact matches, in which:
8591 unique CDR3
13 unique J



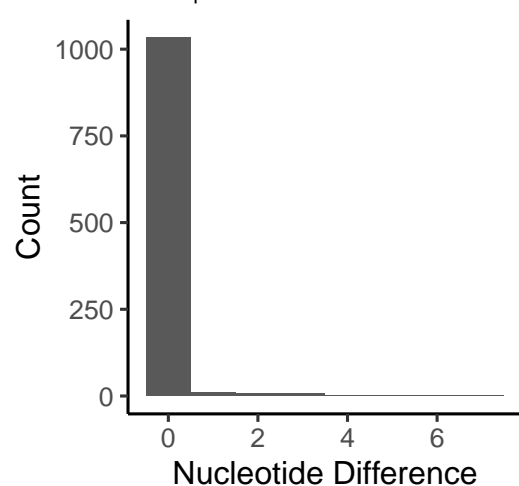
TRBV4–3*ap01

8849 sequences assigned
8807 (99.5%) exact matches, in which:
8670 unique CDR3
13 unique J



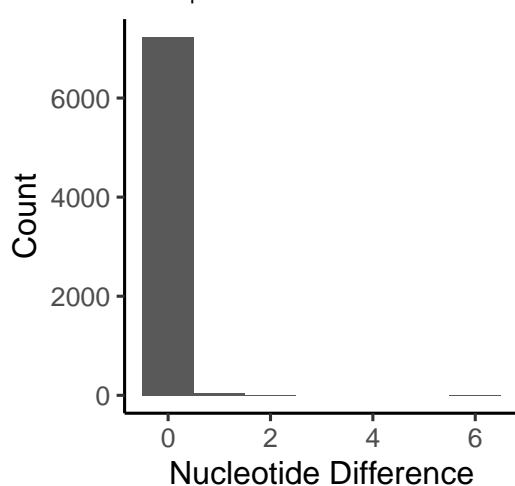
TRBV5–3*ap01

1059 sequences assigned
1033 (97.5%) exact matches, in which:
1026 unique CDR3
13 unique J



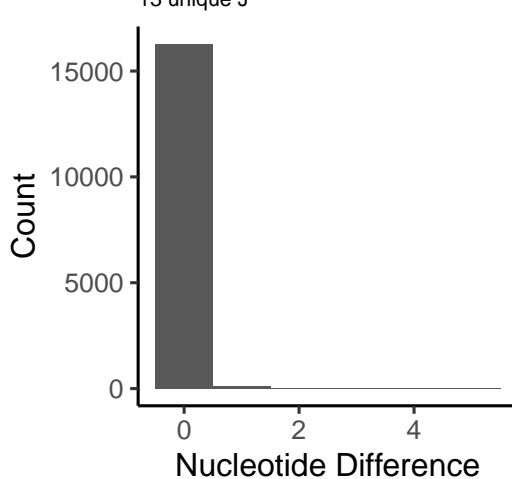
TRBV4–1*ap01

7285 sequences assigned
7231 (99.3%) exact matches, in which:
7114 unique CDR3
13 unique J



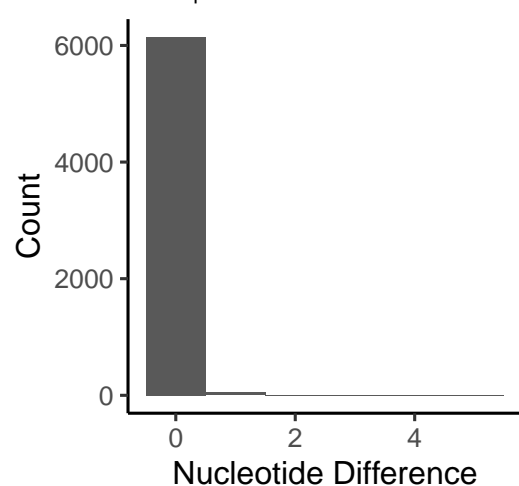
TRBV5–1*ap01

16392 sequences assigned
16288 (99.4%) exact matches, in which:
16016 unique CDR3
13 unique J



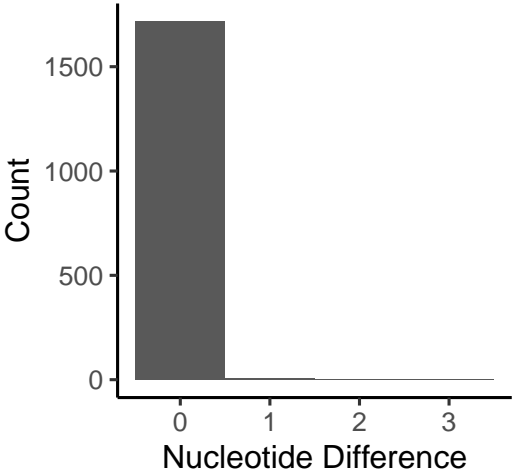
TRBV5–4*ap01

6196 sequences assigned
6144 (99.2%) exact matches, in which:
6049 unique CDR3
13 unique J



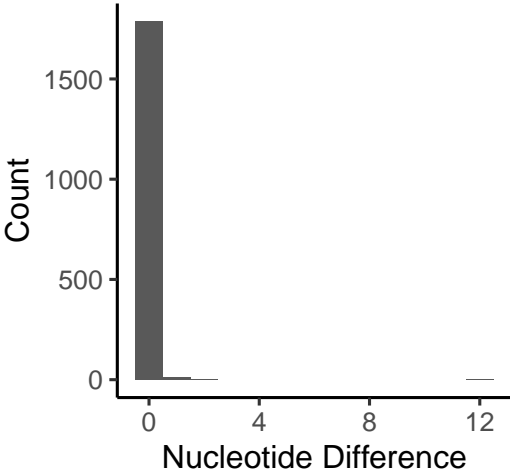
TRBV5-5*ap01

1728 sequences assigned
1717 (99.4%) exact matches, in which:
1712 unique CDR3
13 unique J



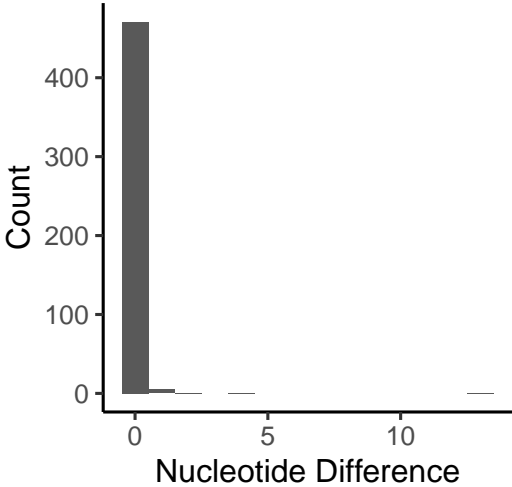
TRBV5-8*ap01

1801 sequences assigned
1787 (99.2%) exact matches, in which:
1776 unique CDR3
13 unique J



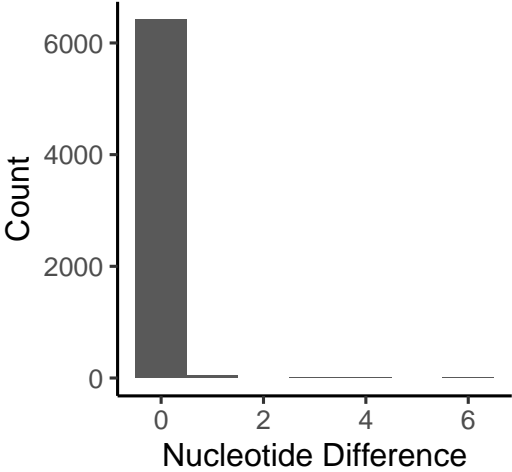
TRBV6-7*ap01

479 sequences assigned
471 (98.3%) exact matches, in which:
463 unique CDR3
13 unique J



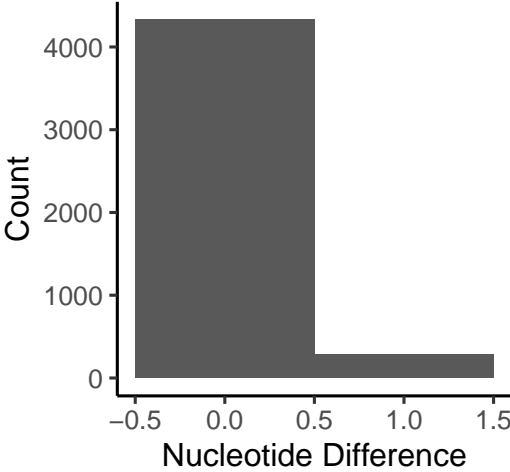
TRBV5-6*ap01

6467 sequences assigned
6416 (99.2%) exact matches, in which:
6264 unique CDR3
13 unique J



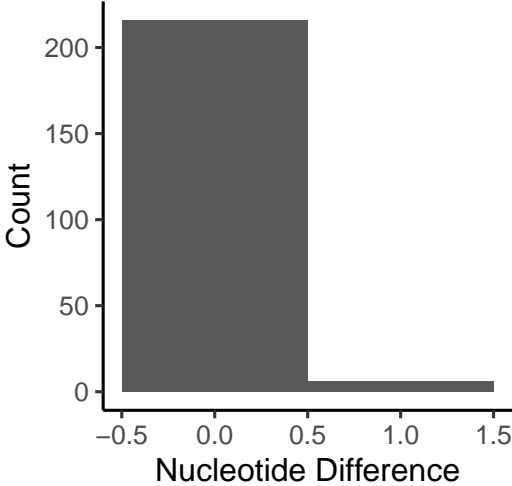
TRBV6-1*ap01

4613 sequences assigned
4329 (93.8%) exact matches, in which:
4248 unique CDR3
13 unique J



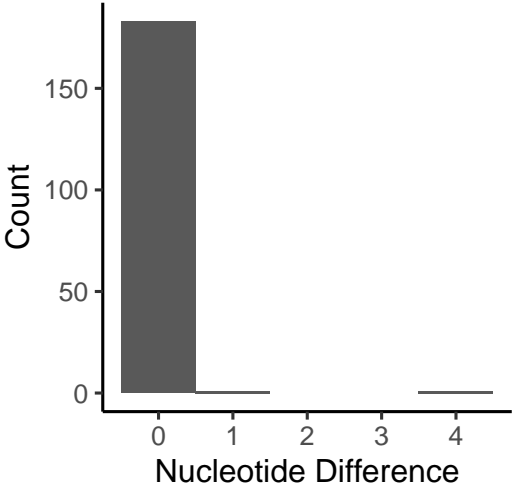
TRBV6-8*ap01

222 sequences assigned
216 (97.3%) exact matches, in which:
210 unique CDR3
13 unique J



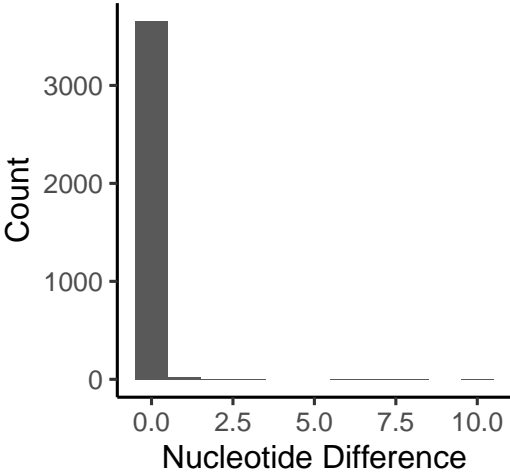
TRBV5-7*ap01

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



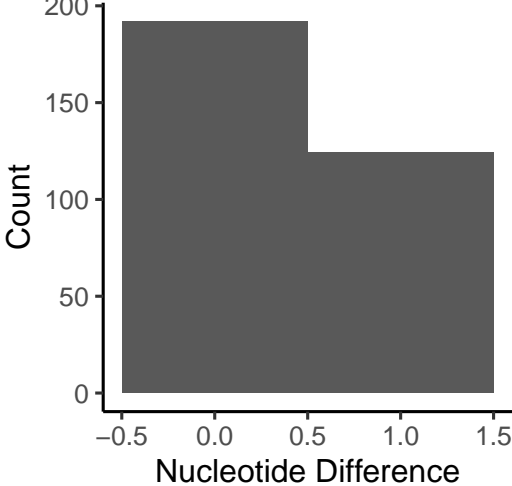
TRBV6-4*ap01

3692 sequences assigned
3657 (99.1%) exact matches, in which:
3628 unique CDR3
13 unique J



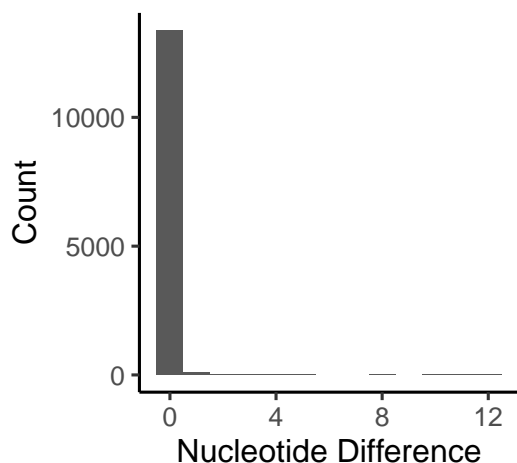
TRBV6-9*ap01

316 sequences assigned
192 (60.8%) exact matches, in which:
192 unique CDR3
13 unique J



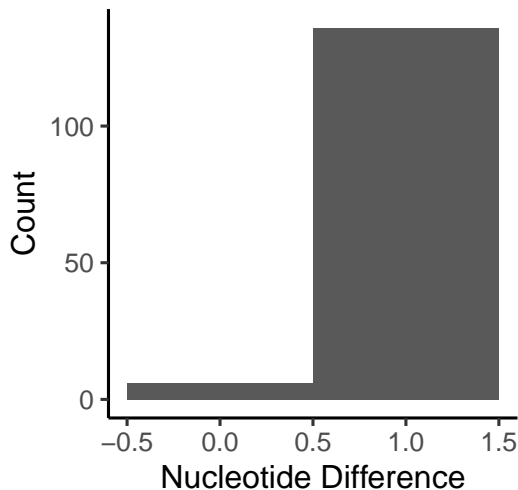
TRBV6-23*ap01

13506 sequences assigned
13386 (99.1%) exact matches, in which:
13060 unique CDR3
14 unique J



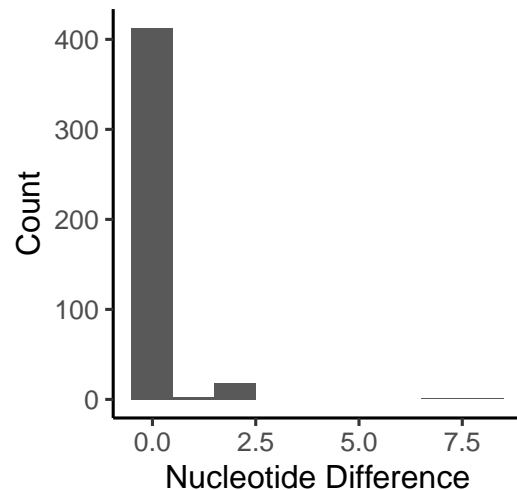
TRBV7-1*ap01_T296C

142 sequences assigned
6 (4.2%) exact matches, in which:
6 unique CDR3
5 unique J



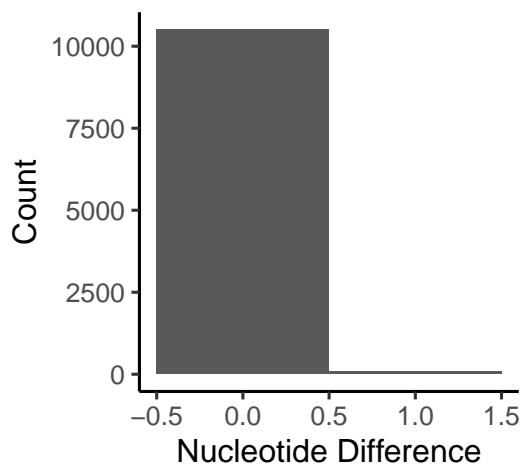
TRBV7-4*ap01

436 sequences assigned
413 (94.7%) exact matches, in which:
409 unique CDR3
13 unique J



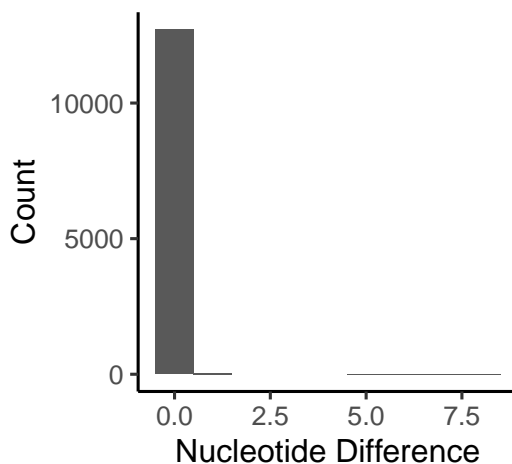
TRBV6-56*ap01

10598 sequences assigned
10511 (99.2%) exact matches, in which:
10264 unique CDR3
13 unique J



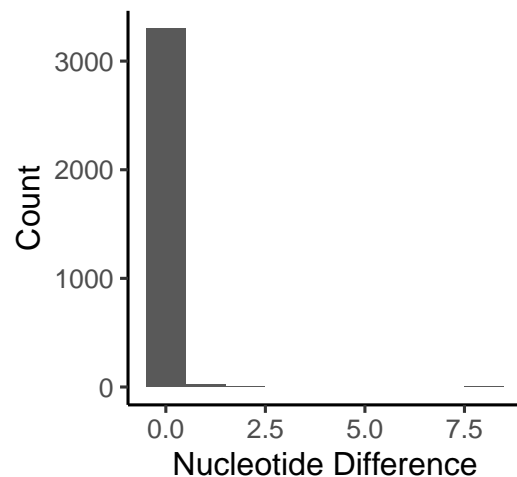
TRBV7-2*ap01

12772 sequences assigned
12713 (99.5%) exact matches, in which:
12605 unique CDR3
13 unique J



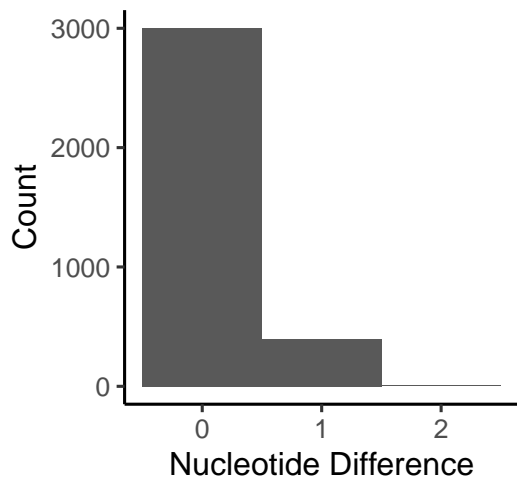
TRBV7-6*ap01

3323 sequences assigned
3298 (99.2%) exact matches, in which:
3261 unique CDR3
13 unique J



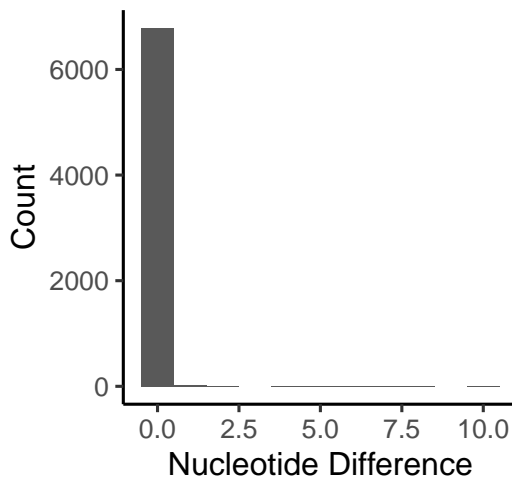
TRBV6-56*ap02

3402 sequences assigned
3002 (88.2%) exact matches, in which:
2923 unique CDR3
13 unique J



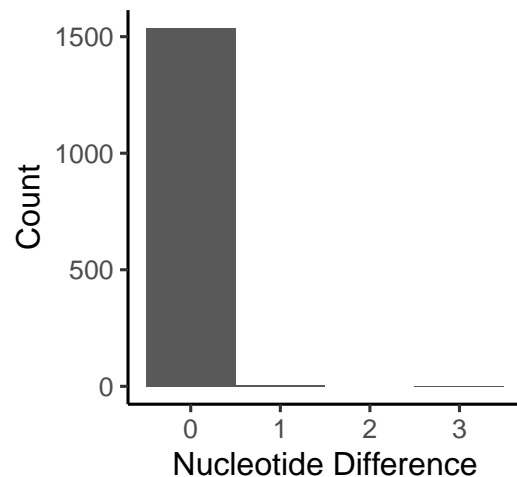
TRBV7-3*ap01

6826 sequences assigned
6784 (99.4%) exact matches, in which:
6741 unique CDR3
13 unique J



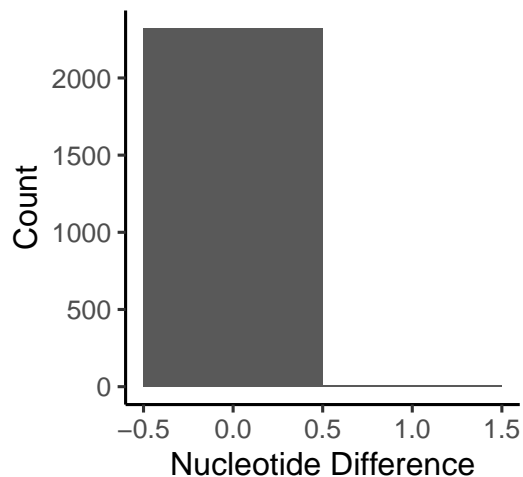
TRBV7-7*ap01_C315T

1544 sequences assigned
1537 (99.5%) exact matches, in which:
1526 unique CDR3
13 unique J



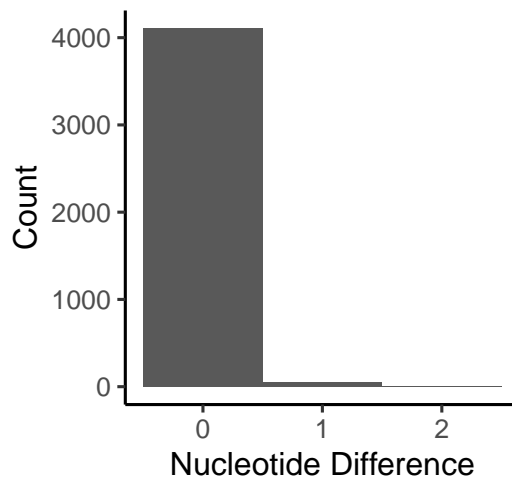
TRBV7-8*ap01

2333 sequences assigned
2321 (99.5%) exact matches, in which:
2303 unique CDR3
13 unique J



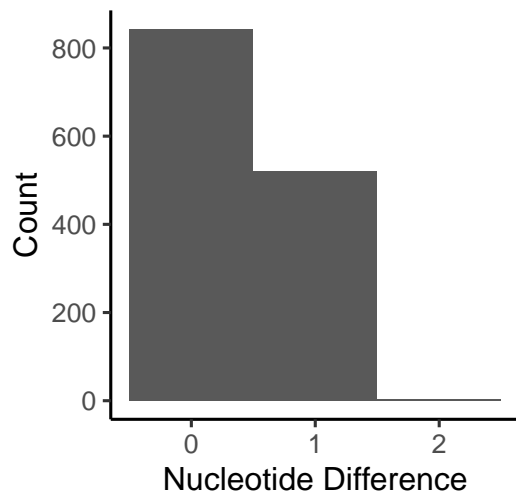
TRBV29-1*ap01

4164 sequences assigned
4106 (98.6%) exact matches, in which:
3973 unique CDR3
14 unique J



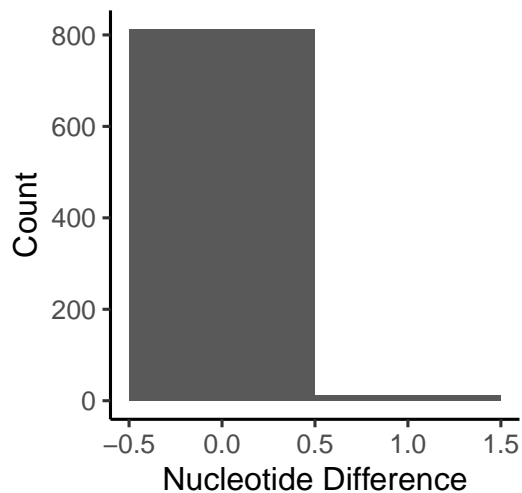
TRBV7-8*ap03

1368 sequences assigned
843 (61.6%) exact matches, in which:
836 unique CDR3
13 unique J



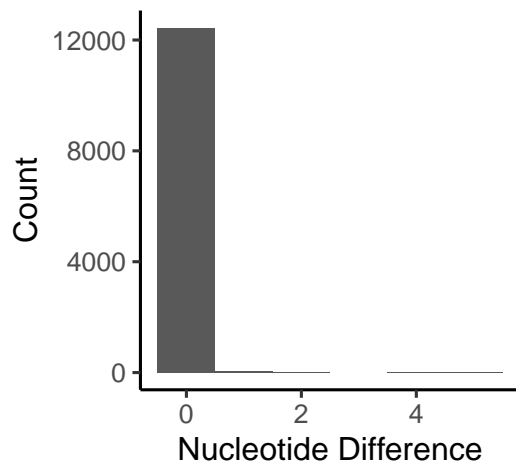
TRBV29-1*ap02

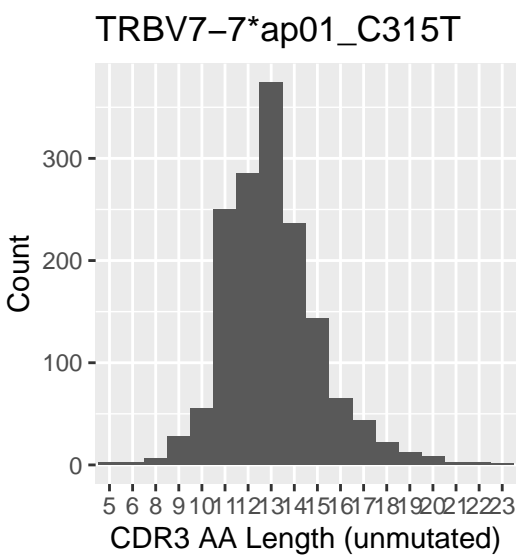
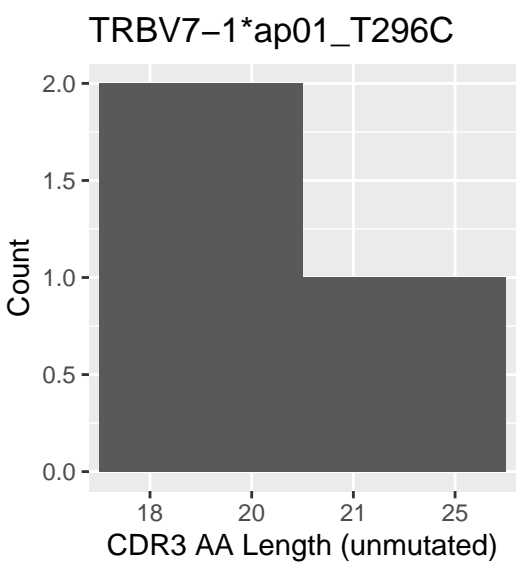
824 sequences assigned
813 (98.7%) exact matches, in which:
791 unique CDR3
13 unique J



TRBV7-9*ap01

12511 sequences assigned
12441 (99.4%) exact matches, in which:
12336 unique CDR3
13 unique J







[illegible]