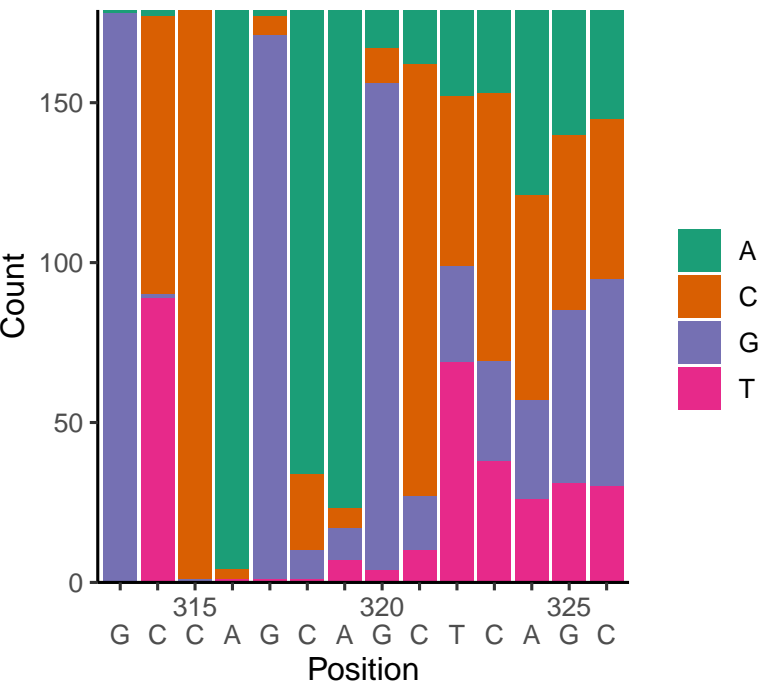
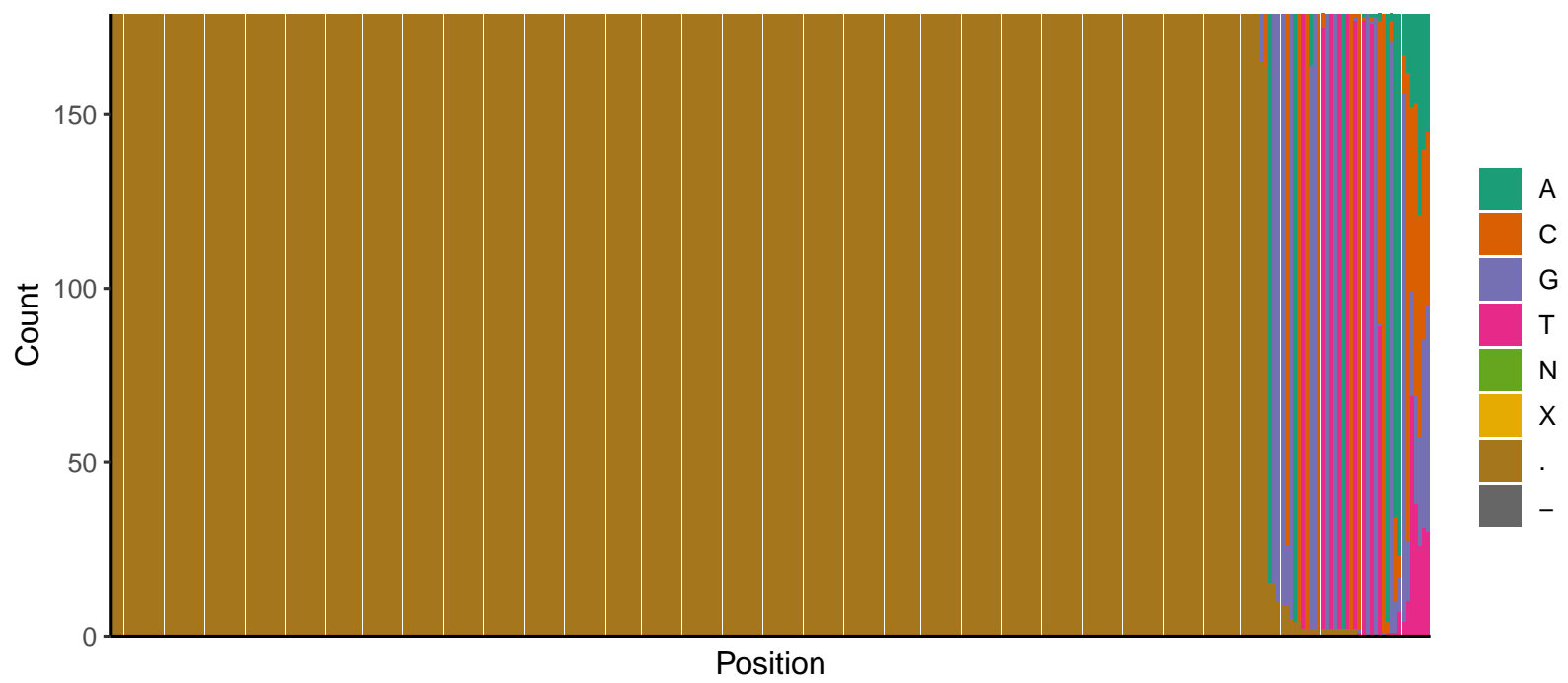


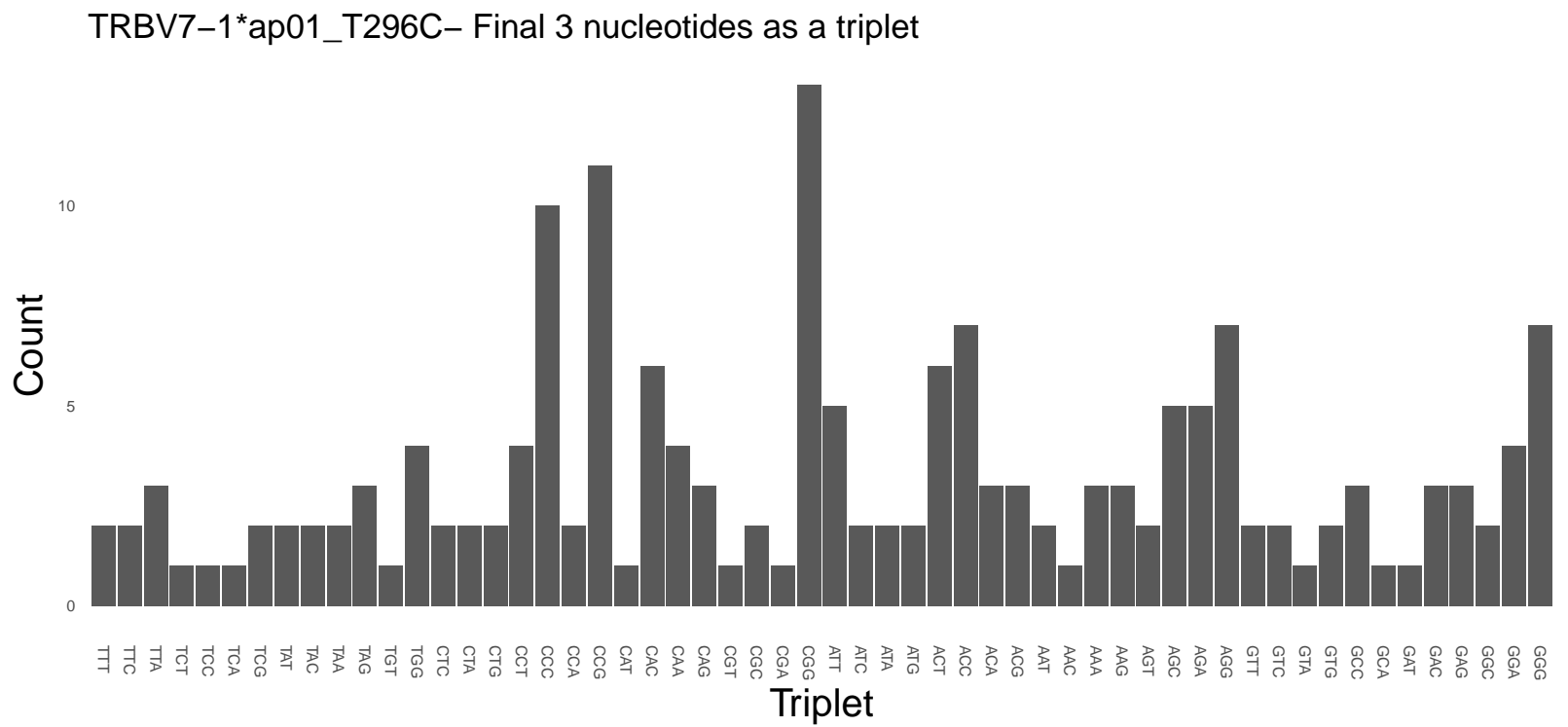
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C

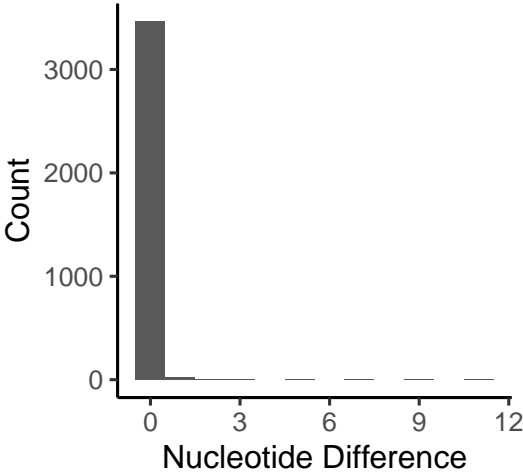


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



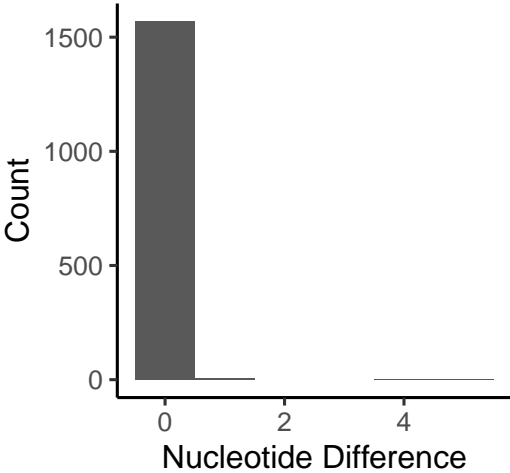
TRBV10-1*ap01

3500 sequences assigned
3465 (99%) exact matches, in which:
3435 unique CDR3
13 unique J



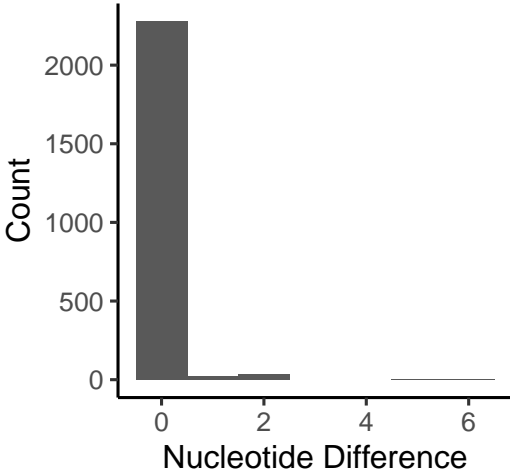
TRBV10-2*ap01

1576 sequences assigned
1569 (99.6%) exact matches, in which:
1562 unique CDR3
13 unique J



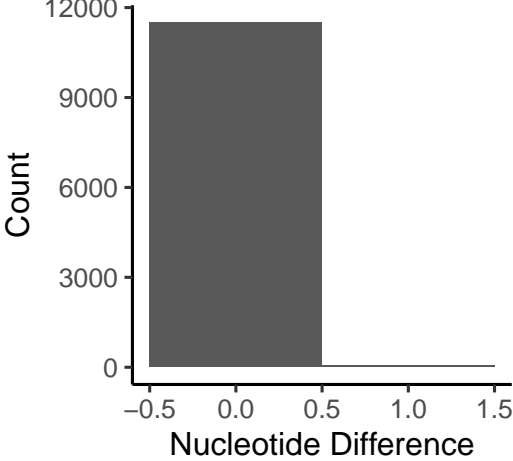
TRBV13*ap01

2341 sequences assigned
2278 (97.3%) exact matches, in which:
2250 unique CDR3
13 unique J



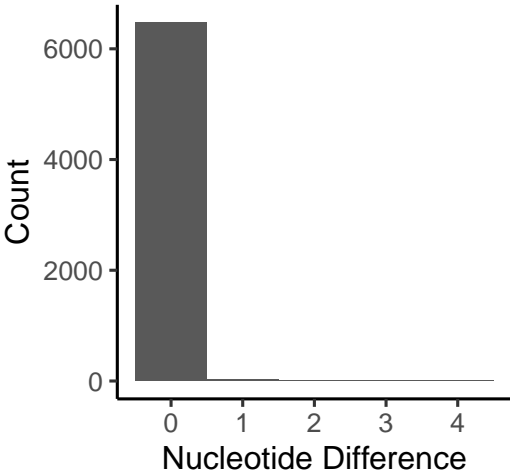
TRBV20-1*ap01

11565 sequences assigned
11504 (99.5%) exact matches, in which:
11458 unique CDR3
13 unique J



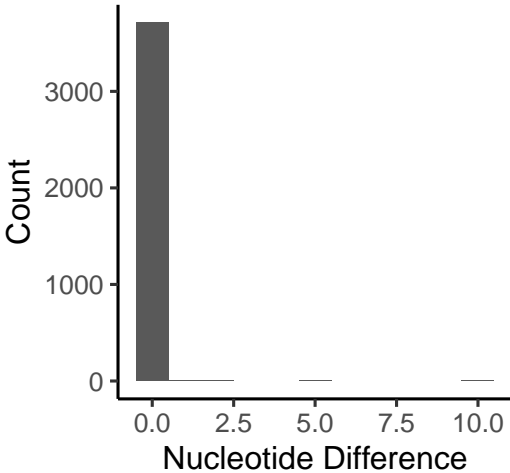
TRBV10-3*ap01

6515 sequences assigned
6471 (99.3%) exact matches, in which:
6430 unique CDR3
13 unique J



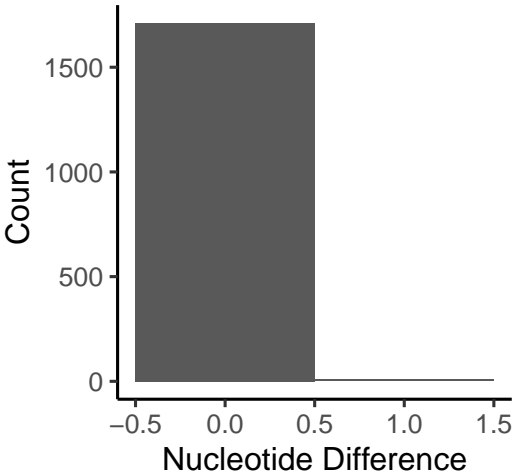
TRBV14*ap01

3722 sequences assigned
3711 (99.7%) exact matches, in which:
3694 unique CDR3
13 unique J



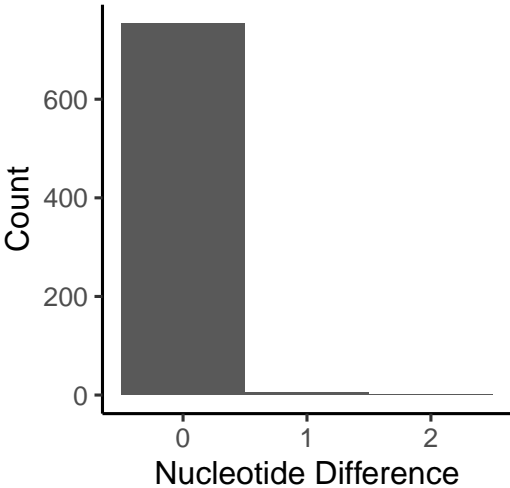
TRBV20-1*ap02

1720 sequences assigned
1711 (99.5%) exact matches, in which:
1704 unique CDR3
13 unique J



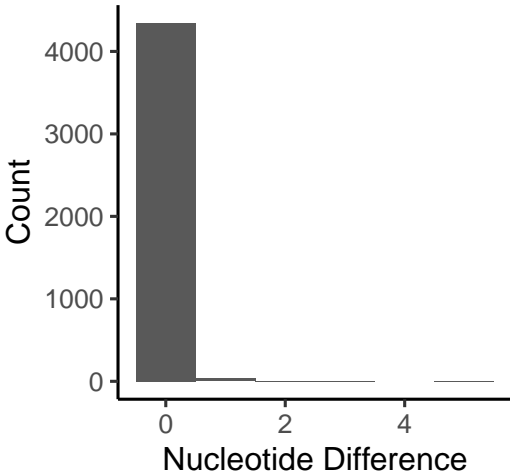
TRBV1*ap01

760 sequences assigned
754 (99.2%) exact matches, in which:
746 unique CDR3
13 unique J



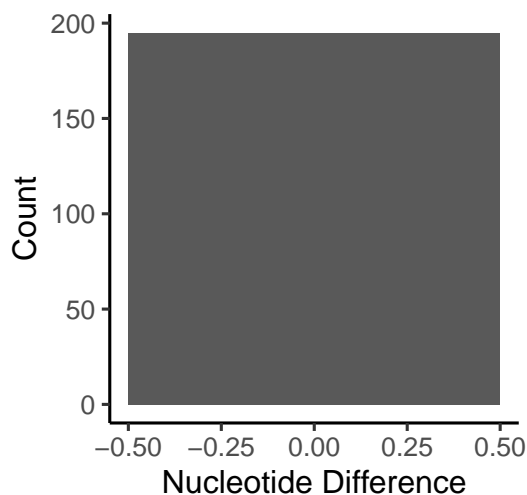
TRBV15*ap02

4382 sequences assigned
4344 (99.1%) exact matches, in which:
4313 unique CDR3
13 unique J



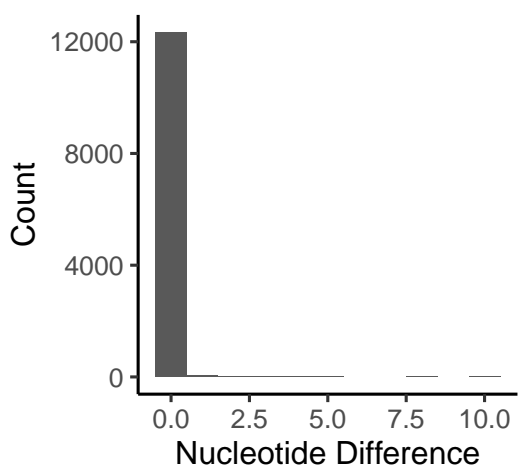
TRBV16*ap01

195 sequences assigned
195 (100%) exact matches, in which:
195 unique CDR3
12 unique J



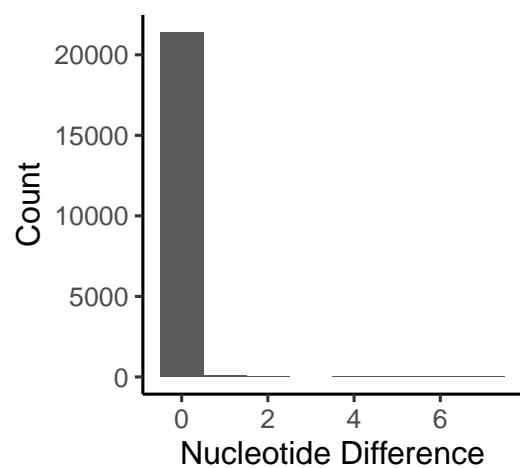
TRBV19*ap01

12399 sequences assigned
12343 (99.5%) exact matches, in which:
12327 unique CDR3
13 unique J



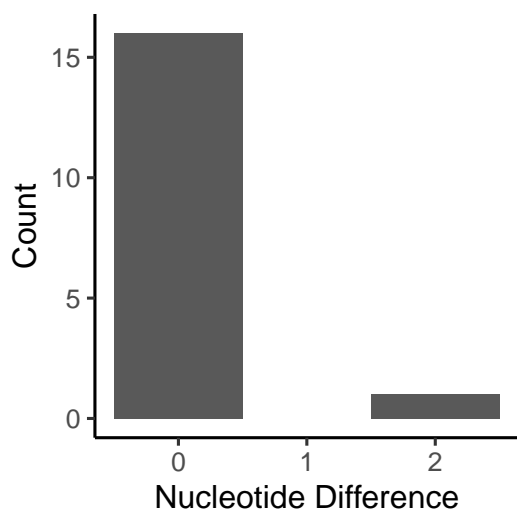
TRBV28*ap01

21531 sequences assigned
21406 (99.4%) exact matches, in which:
21299 unique CDR3
14 unique J



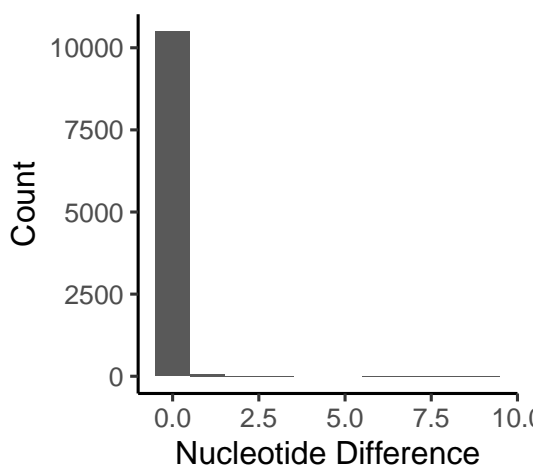
TRBV17*ap01

17 sequences assigned
16 (94.1%) exact matches, in which:
16 unique CDR3
11 unique J



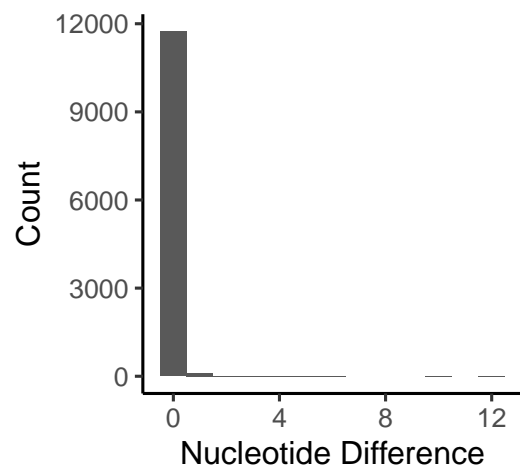
TRBV2*ap01

10587 sequences assigned
10496 (99.1%) exact matches, in which:
10433 unique CDR3
13 unique J



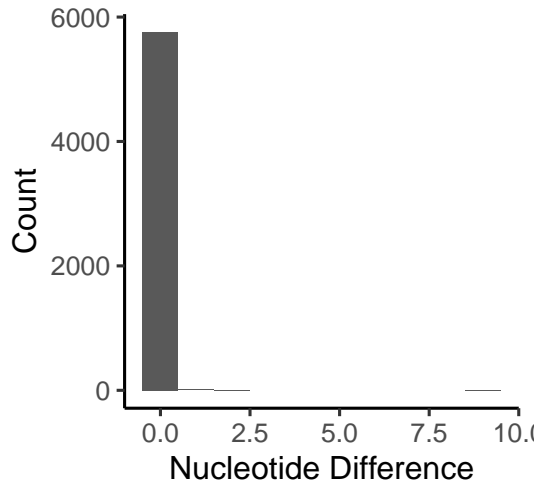
TRBV30*ap01

11860 sequences assigned
11737 (99%) exact matches, in which:
11663 unique CDR3
13 unique J



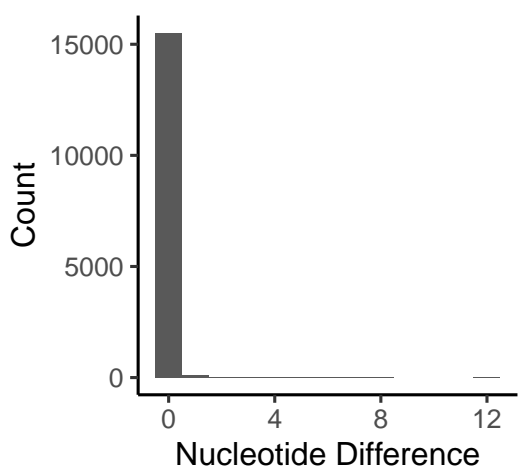
TRBV18*ap01

5776 sequences assigned
5759 (99.7%) exact matches, in which:
5749 unique CDR3
13 unique J



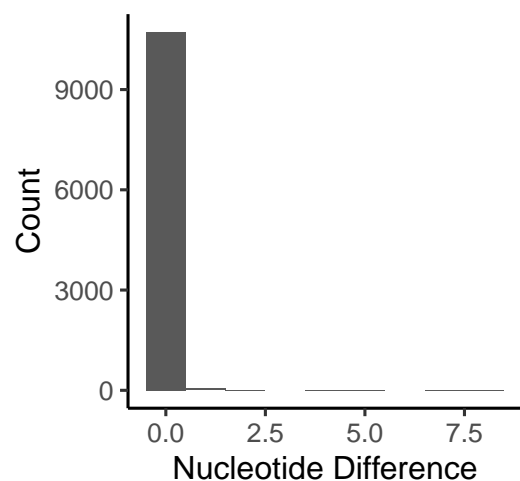
TRBV27*ap01

15671 sequences assigned
15516 (99%) exact matches, in which:
15405 unique CDR3
13 unique J



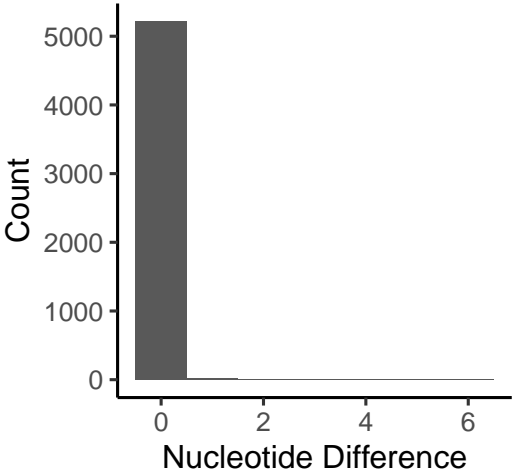
TRBV9*ap01

10789 sequences assigned
10721 (99.4%) exact matches, in which:
10658 unique CDR3
13 unique J



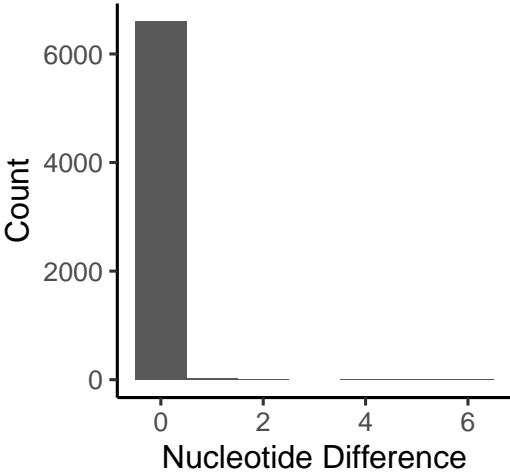
TRBV21-1*ap01

5267 sequences assigned
5216 (99%) exact matches, in which:
5205 unique CDR3
13 unique J



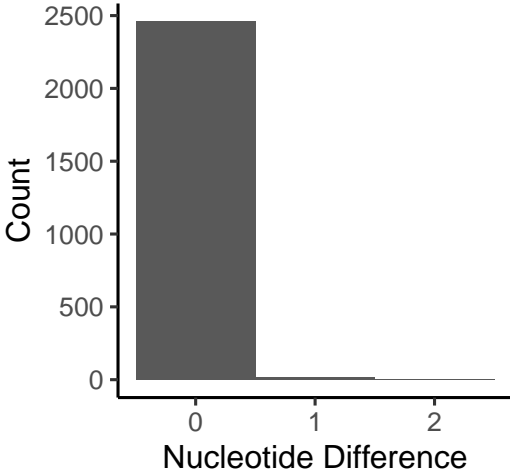
TRBV11-3*ap01

6640 sequences assigned
6599 (99.4%) exact matches, in which:
6561 unique CDR3
13 unique J



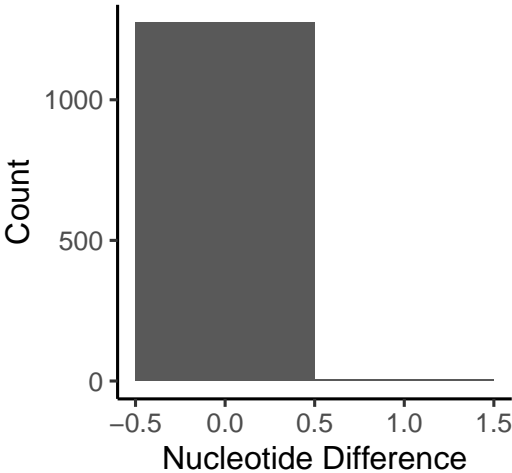
TRBV12-5*ap01

2477 sequences assigned
2460 (99.3%) exact matches, in which:
2451 unique CDR3
13 unique J



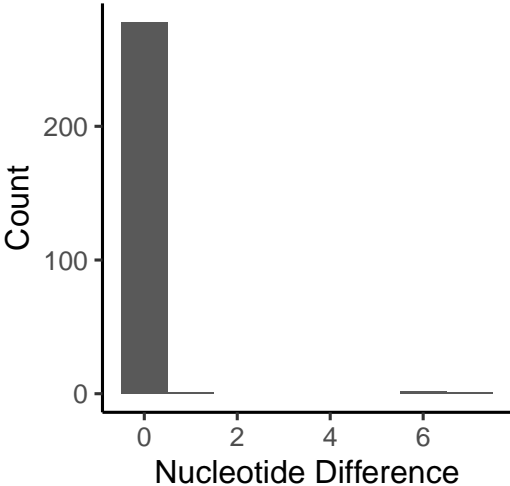
TRBV11-1*ap01

1279 sequences assigned
1274 (99.6%) exact matches, in which:
1266 unique CDR3
13 unique J



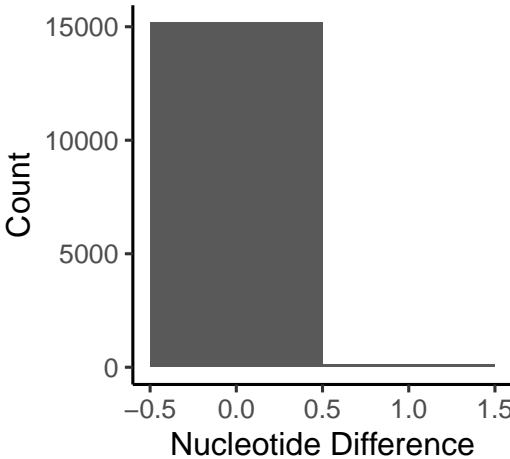
TRBV12-1*ap01

282 sequences assigned
278 (98.6%) exact matches, in which:
278 unique CDR3
12 unique J



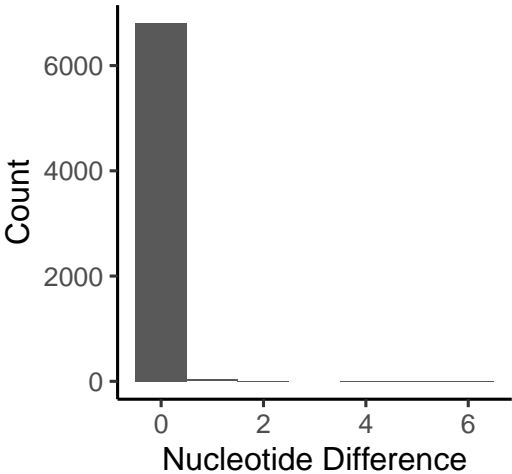
TRBV12-34*ap01

15304 sequences assigned
15188 (99.2%) exact matches, in which:
15083 unique CDR3
13 unique J



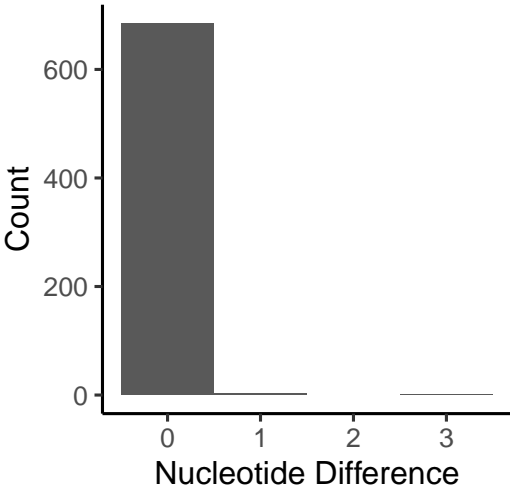
TRBV11-2*ap01

6851 sequences assigned
6808 (99.4%) exact matches, in which:
6758 unique CDR3
13 unique J



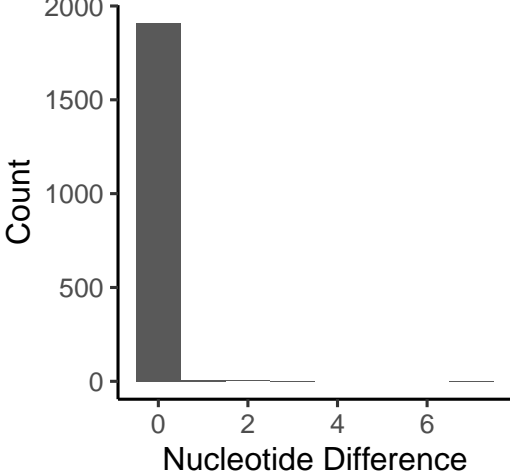
TRBV12-2*ap01

688 sequences assigned
685 (99.6%) exact matches, in which:
682 unique CDR3
12 unique J



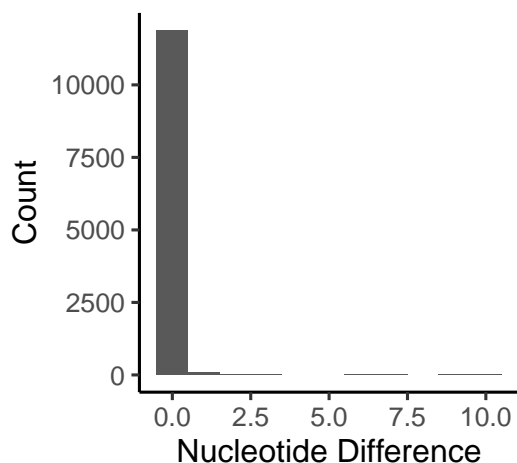
TRBV23-1*ap01

1924 sequences assigned
1909 (99.2%) exact matches, in which:
1905 unique CDR3
13 unique J



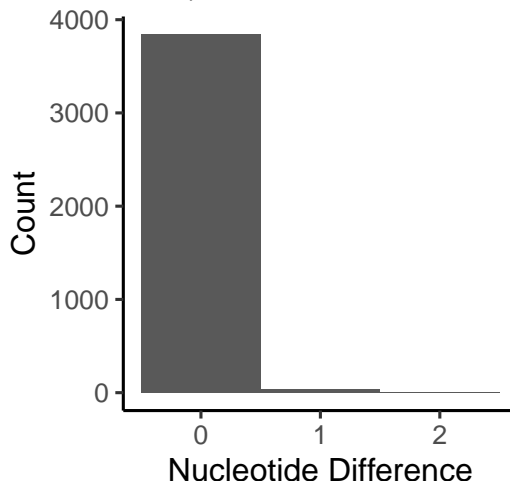
TRBV3-12*ap01

11992 sequences assigned
11887 (99.1%) exact matches, in which:
11793 unique CDR3
13 unique J



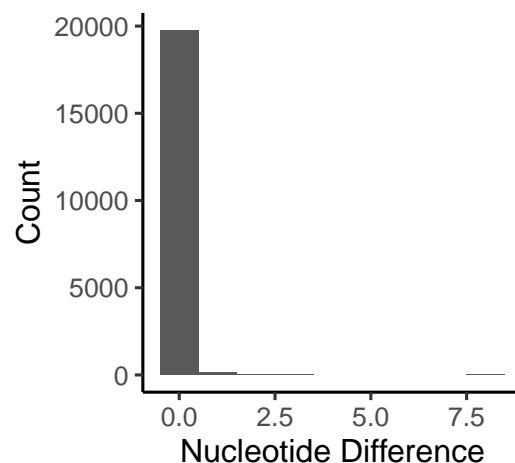
TRBV4-2*ap01

3877 sequences assigned
3842 (99.1%) exact matches, in which:
3821 unique CDR3
13 unique J



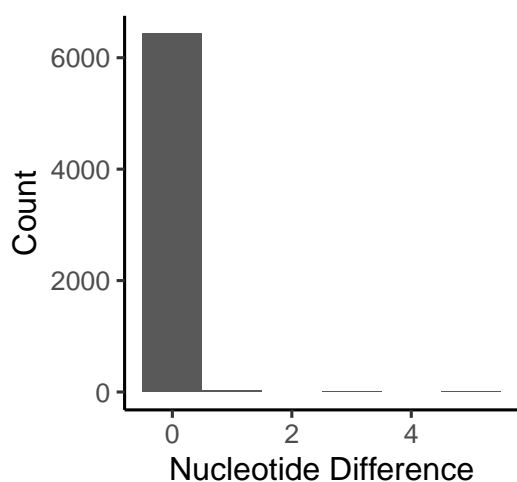
TRBV5-1*ap01

19910 sequences assigned
19768 (99.3%) exact matches, in which:
19585 unique CDR3
13 unique J



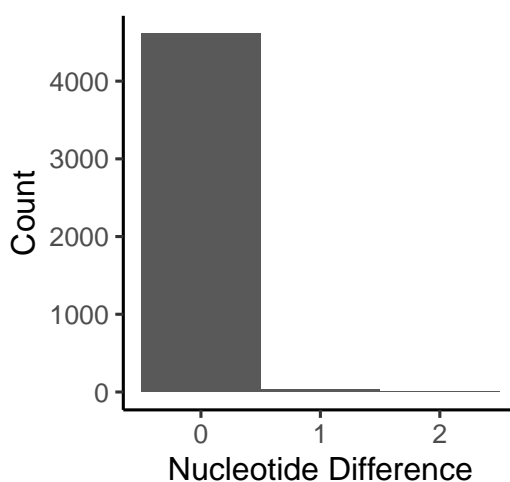
TRBV4-1*ap01

6469 sequences assigned
6431 (99.4%) exact matches, in which:
6377 unique CDR3
13 unique J



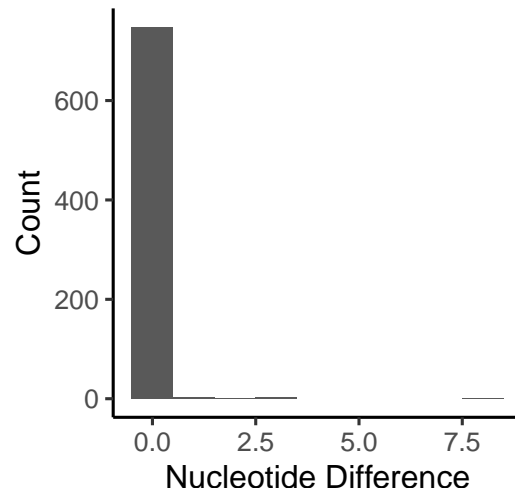
TRBV4-3*ap01

4637 sequences assigned
4610 (99.4%) exact matches, in which:
4575 unique CDR3
13 unique J



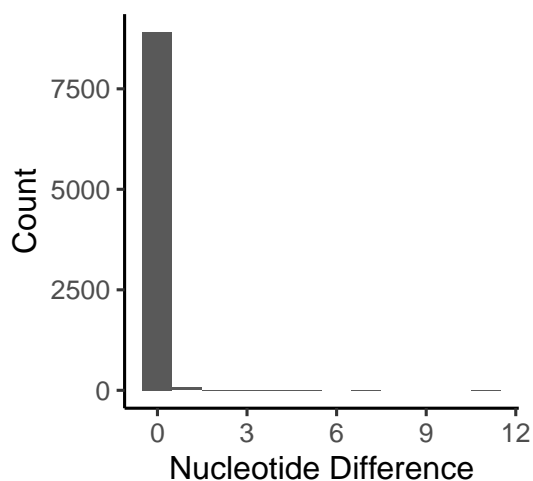
TRBV5-3*ap01

757 sequences assigned
748 (98.8%) exact matches, in which:
744 unique CDR3
13 unique J



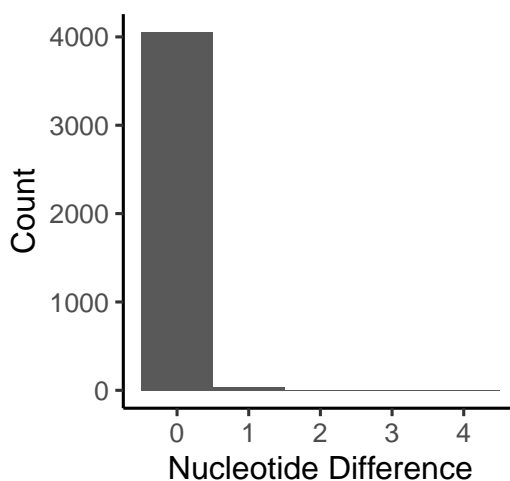
TRBV24-1*ap01

9002 sequences assigned
8912 (99%) exact matches, in which:
8846 unique CDR3
13 unique J



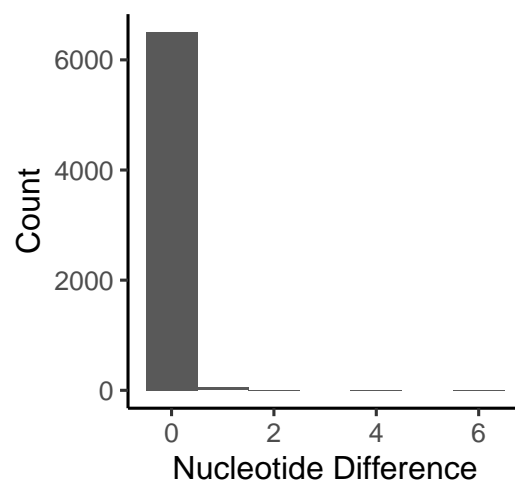
TRBV25-1*ap01

4095 sequences assigned
4055 (99%) exact matches, in which:
4028 unique CDR3
13 unique J



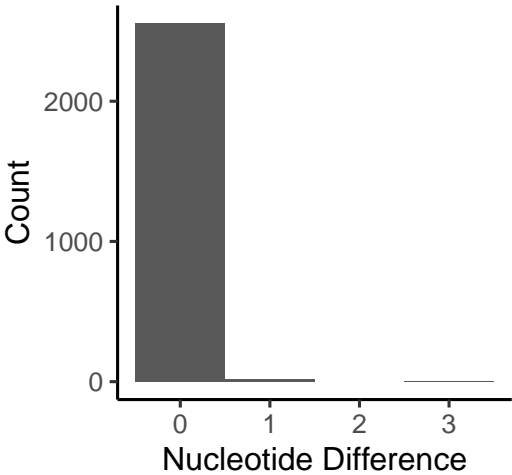
TRBV5-4*ap01

6559 sequences assigned
6505 (99.2%) exact matches, in which:
6457 unique CDR3
13 unique J



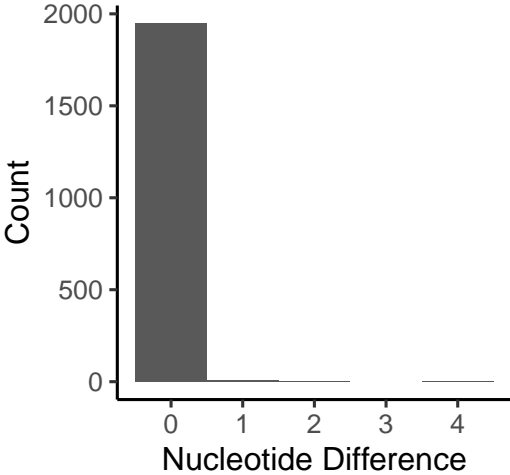
TRBV5-5*ap01

2572 sequences assigned
2555 (99.3%) exact matches, in which:
2549 unique CDR3
13 unique J



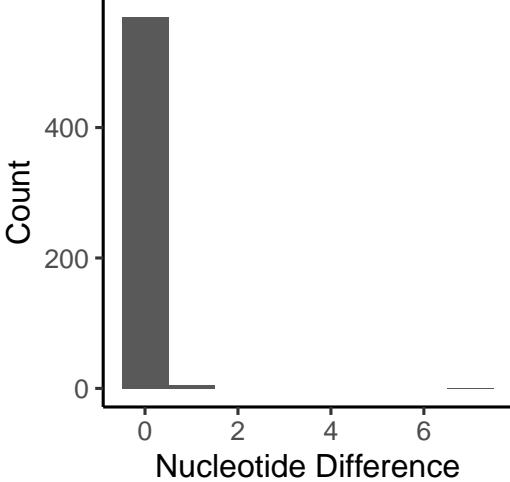
TRBV5-8*ap01

1957 sequences assigned
1948 (99.5%) exact matches, in which:
1938 unique CDR3
13 unique J



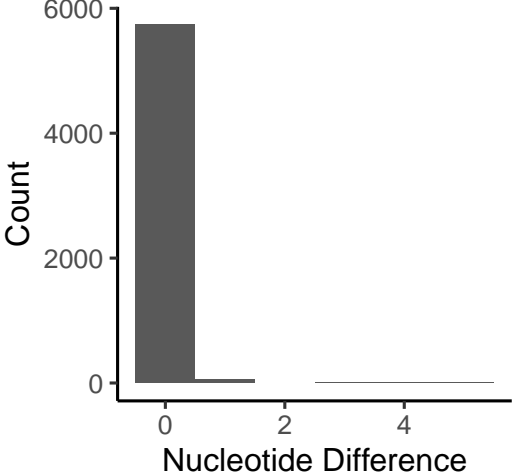
TRBV6-7*ap01

576 sequences assigned
570 (99%) exact matches, in which:
566 unique CDR3
13 unique J



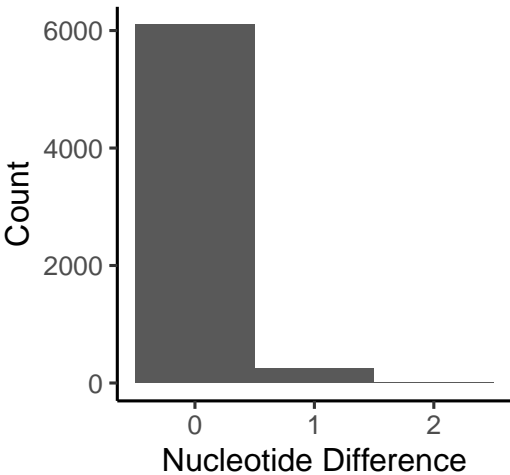
TRBV5-6*ap01

5793 sequences assigned
5737 (99%) exact matches, in which:
5683 unique CDR3
13 unique J



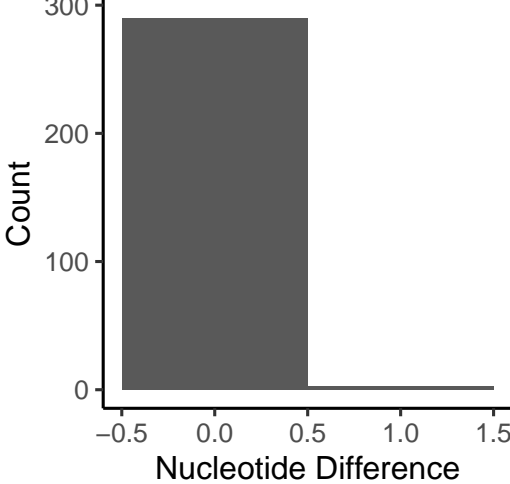
TRBV6-1*ap01

6346 sequences assigned
6099 (96.1%) exact matches, in which:
6023 unique CDR3
13 unique J



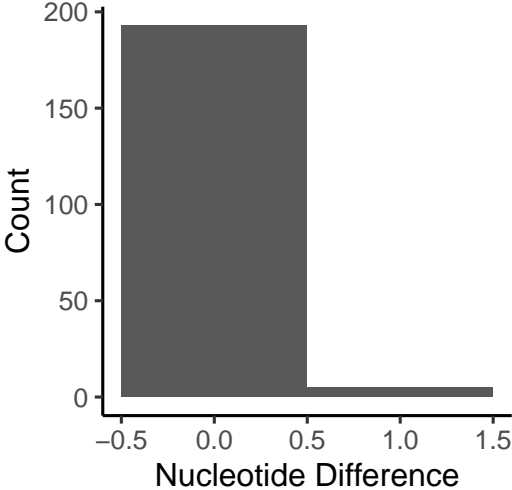
TRBV6-8*ap01

293 sequences assigned
290 (99%) exact matches, in which:
287 unique CDR3
13 unique J



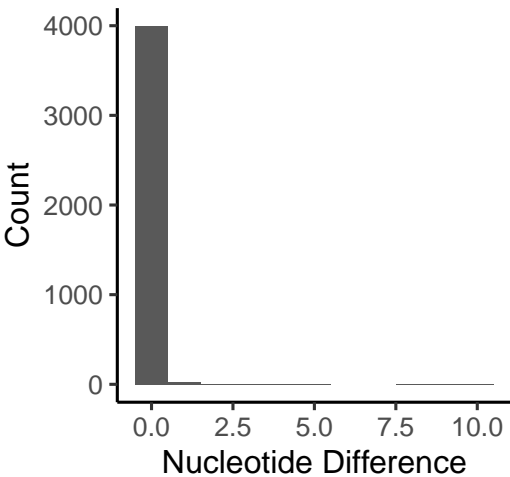
TRBV5-7*ap01

198 sequences assigned
193 (97.5%) exact matches, in which:
193 unique CDR3
12 unique J



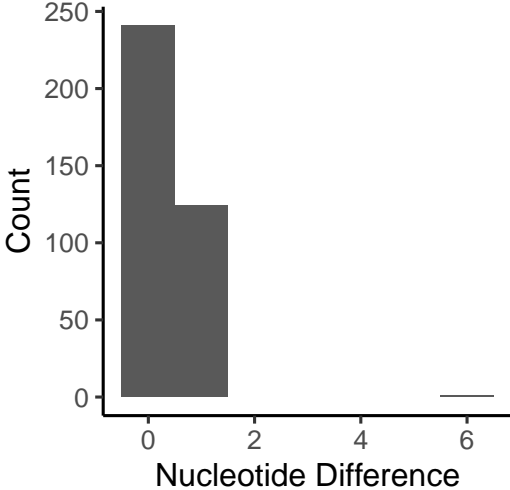
TRBV6-4*ap01

4035 sequences assigned
3996 (99%) exact matches, in which:
3983 unique CDR3
13 unique J



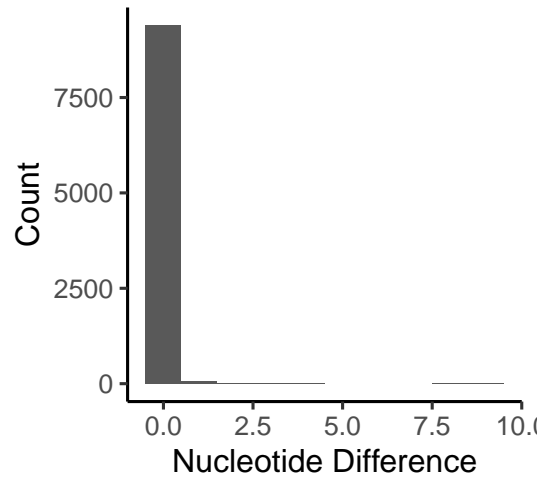
TRBV6-9*ap01

366 sequences assigned
241 (65.8%) exact matches, in which:
240 unique CDR3
13 unique J



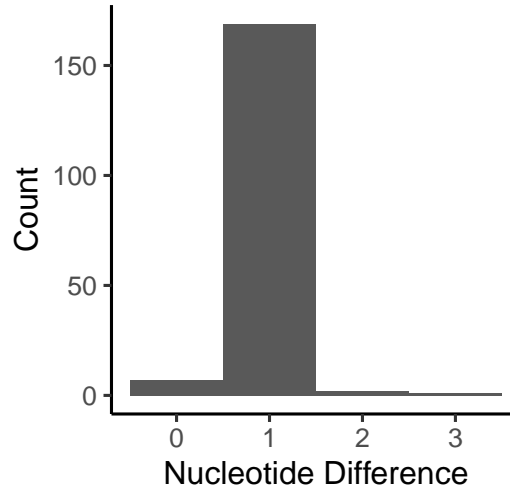
TRBV6-23*ap01

9469 sequences assigned
9390 (99.2%) exact matches, in which:
9319 unique CDR3
13 unique J



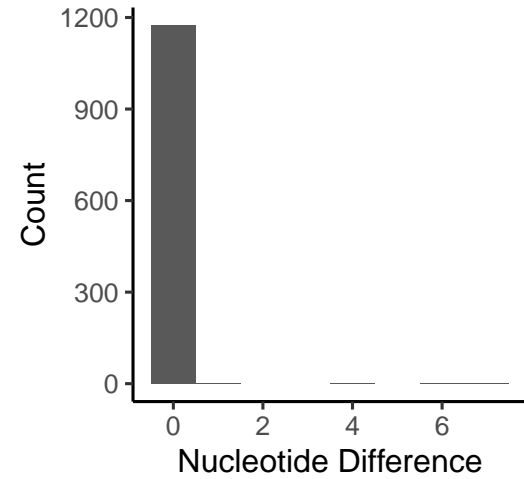
TRBV7-1*ap01_T296C

179 sequences assigned
7 (3.9%) exact matches, in which:
7 unique CDR3
5 unique J



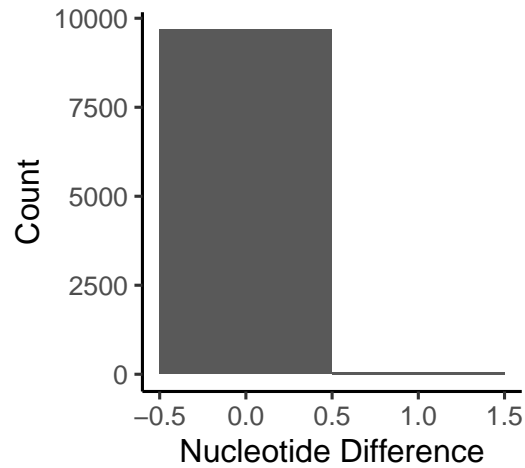
TRBV7-3*ap03

1182 sequences assigned
1174 (99.3%) exact matches, in which:
1171 unique CDR3
13 unique J



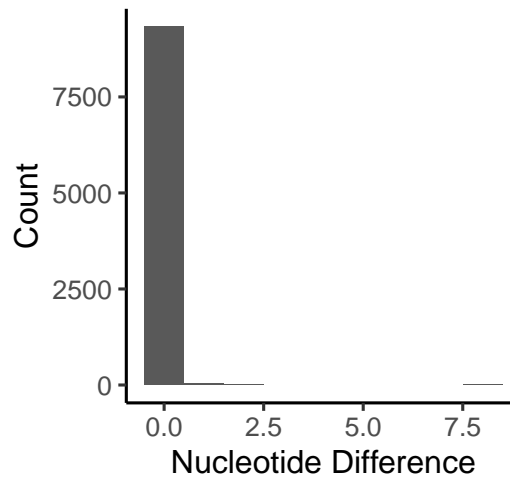
TRBV6-56*ap01

9751 sequences assigned
9685 (99.3%) exact matches, in which:
9617 unique CDR3
13 unique J



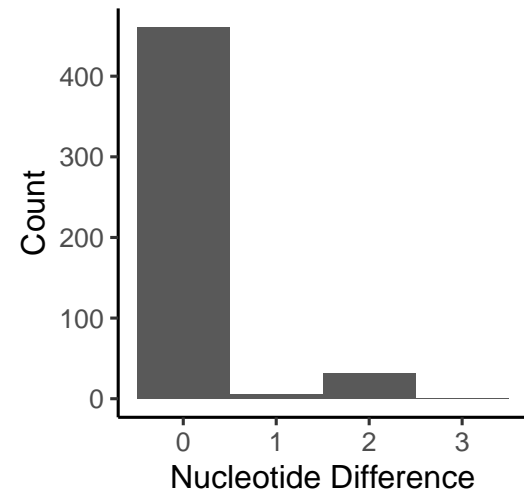
TRBV7-2*ap01

9361 sequences assigned
9327 (99.6%) exact matches, in which:
9293 unique CDR3
13 unique J



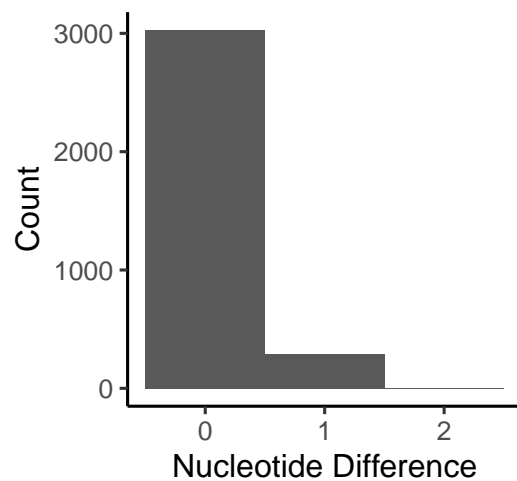
TRBV7-4*ap01

500 sequences assigned
461 (92.2%) exact matches, in which:
457 unique CDR3
13 unique J



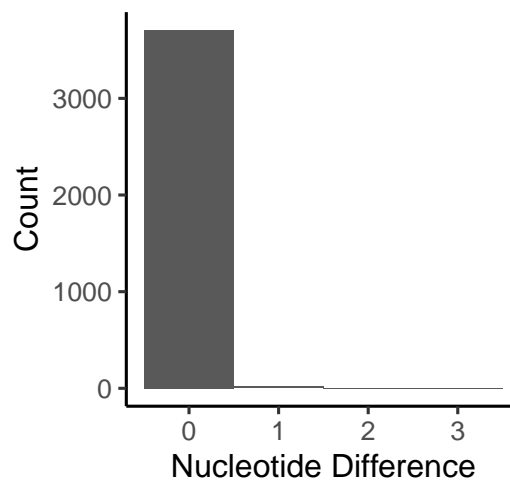
TRBV6-56*ap02

3323 sequences assigned
3028 (91.1%) exact matches, in which:
2997 unique CDR3
13 unique J



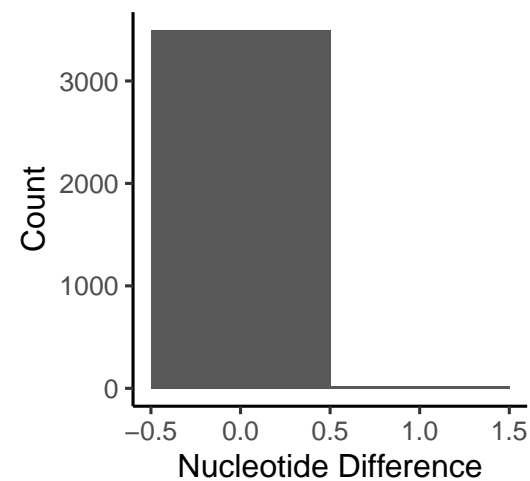
TRBV7-3*ap01

3730 sequences assigned
3707 (99.4%) exact matches, in which:
3691 unique CDR3
13 unique J



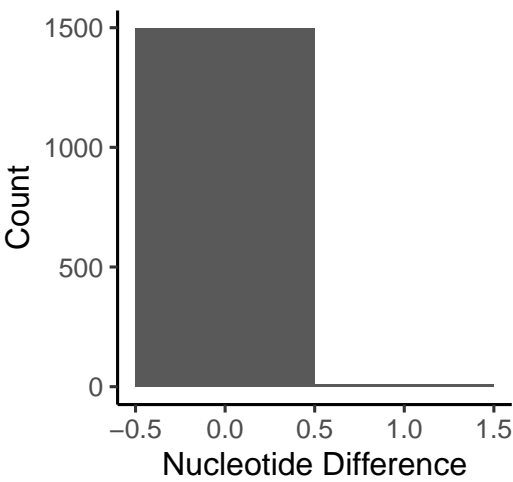
TRBV7-6*ap01

3519 sequences assigned
3497 (99.4%) exact matches, in which:
3475 unique CDR3
13 unique J



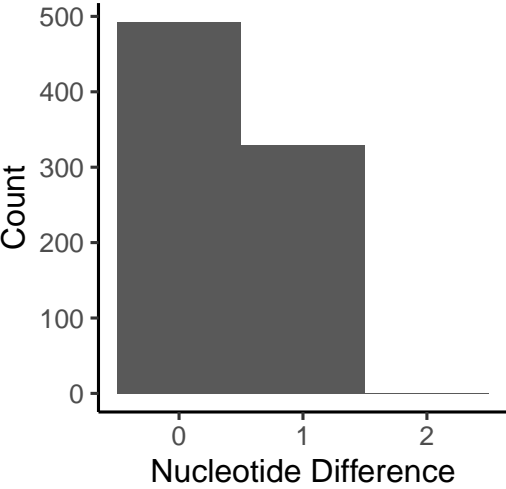
TRBV7-7*ap01

1507 sequences assigned
1497 (99.3%) exact matches, in which:
1492 unique CDR3
13 unique J



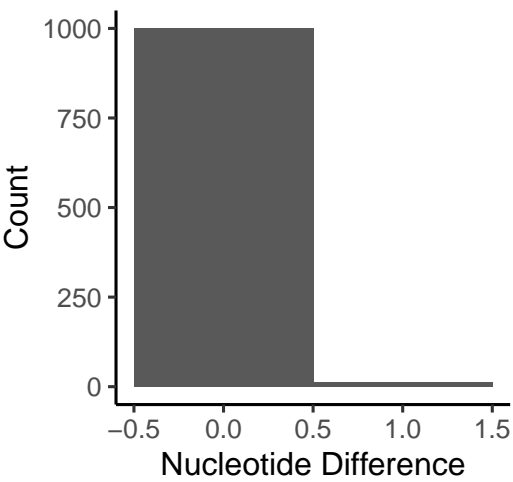
TRBV7-8*ap03

823 sequences assigned
493 (59.9%) exact matches, in which:
486 unique CDR3
12 unique J



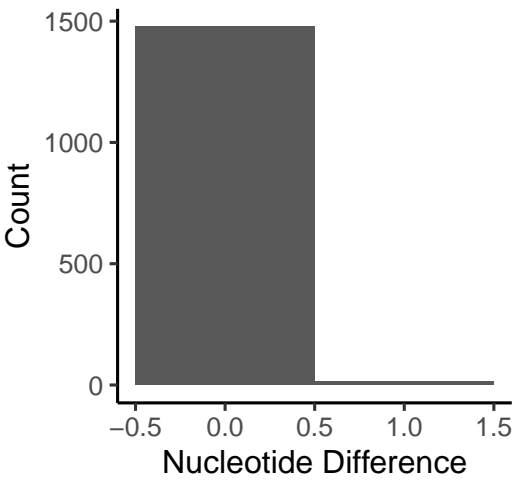
TRBV29-1*ap02

1013 sequences assigned
1000 (98.7%) exact matches, in which:
996 unique CDR3
13 unique J



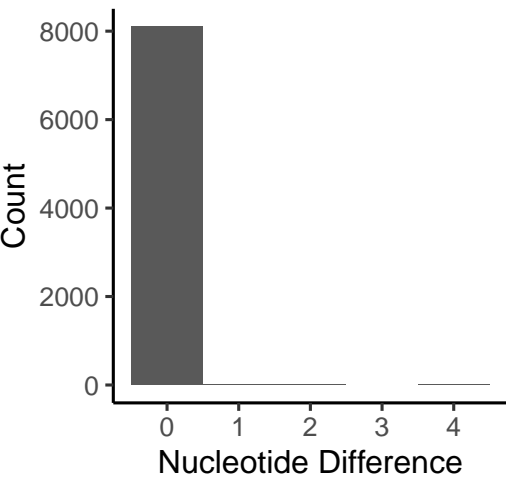
TRBV7-8*ap01

1490 sequences assigned
1477 (99.1%) exact matches, in which:
1464 unique CDR3
13 unique J



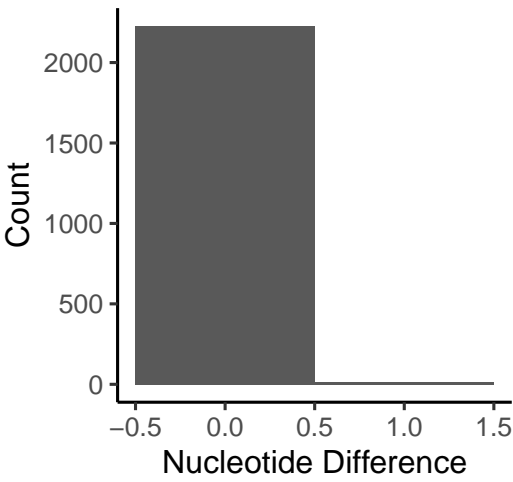
TRBV7-9*ap01

8122 sequences assigned
8100 (99.7%) exact matches, in which:
8081 unique CDR3
13 unique J



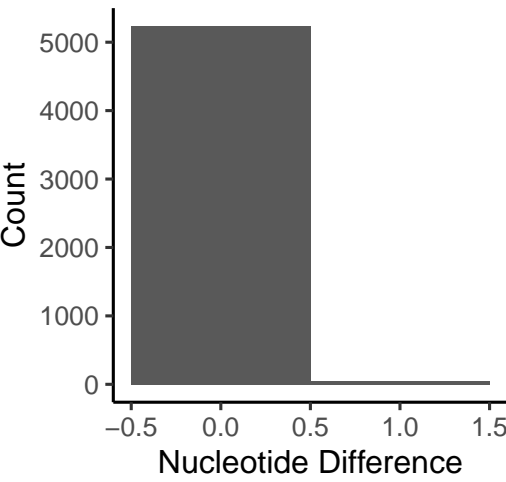
TRBV7-8*ap02

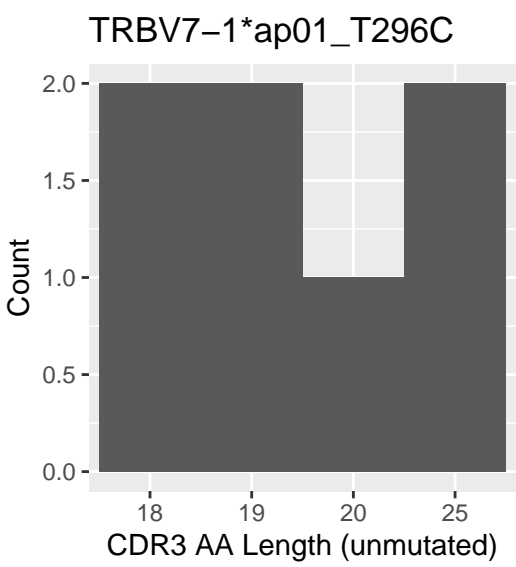
2242 sequences assigned
2227 (99.3%) exact matches, in which:
2206 unique CDR3
13 unique J



TRBV29-1*ap01

5289 sequences assigned
5236 (99%) exact matches, in which:
5192 unique CDR3
13 unique J







[illegible]