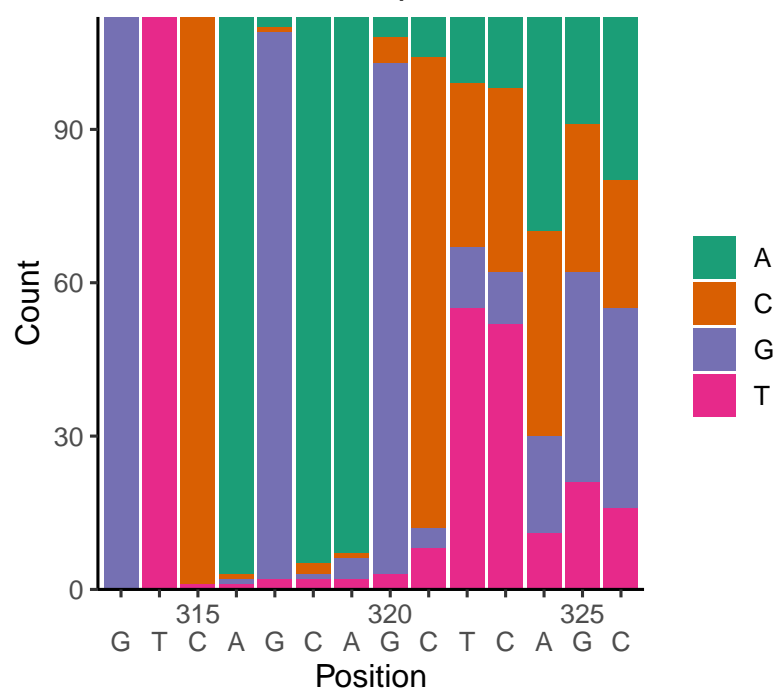
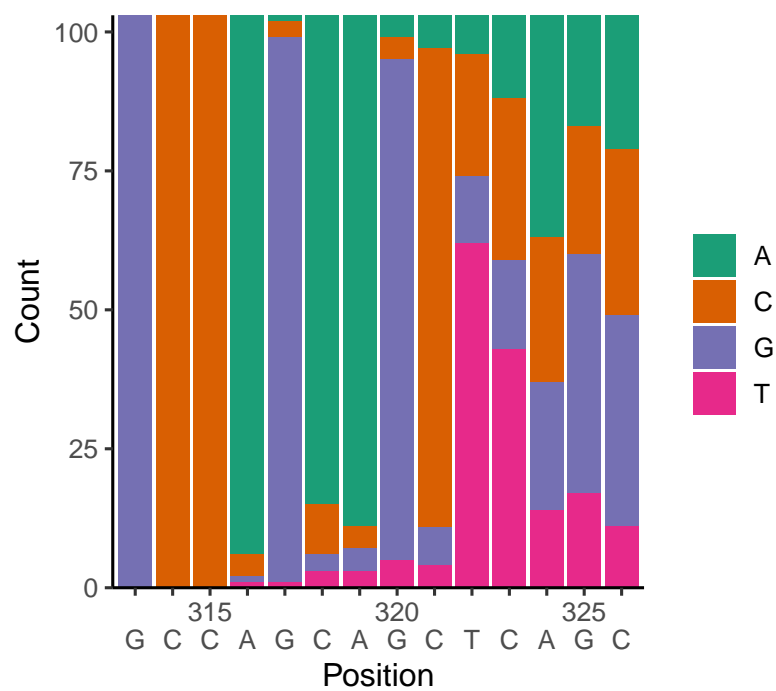


Gene TRBV7-1*ap01_G291C_T296C_C314T



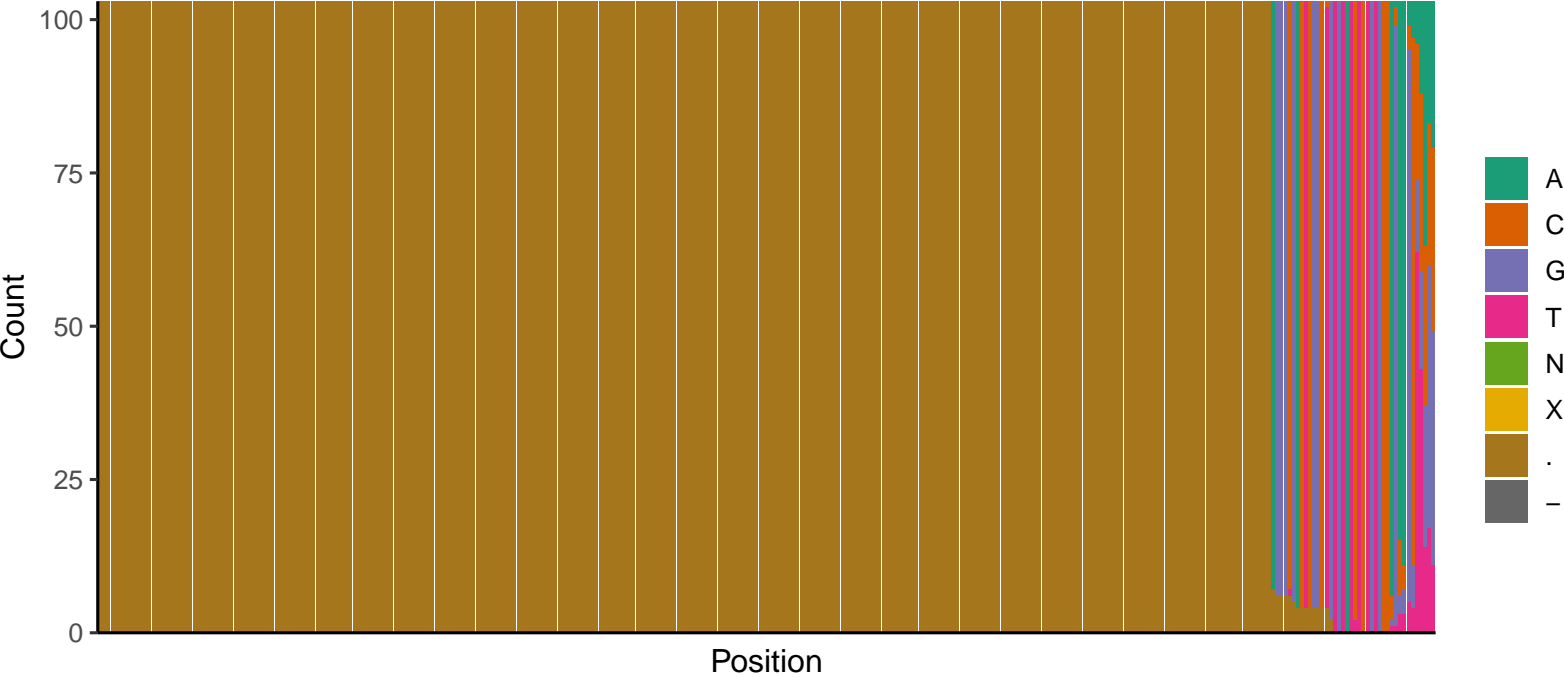
Gene TRBV7-1*ap01_G291C_T296C



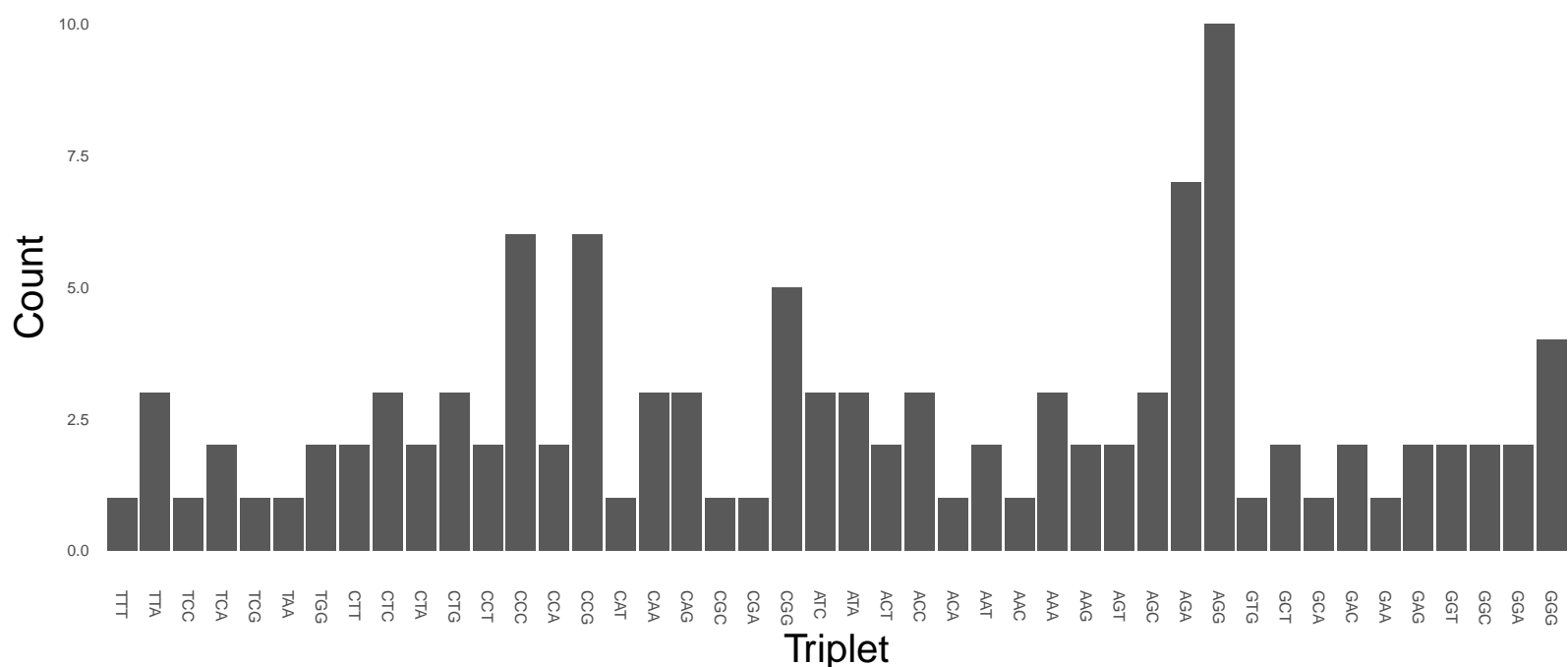
Gene TRBV7-1*ap01_G291C_T296C_C314T



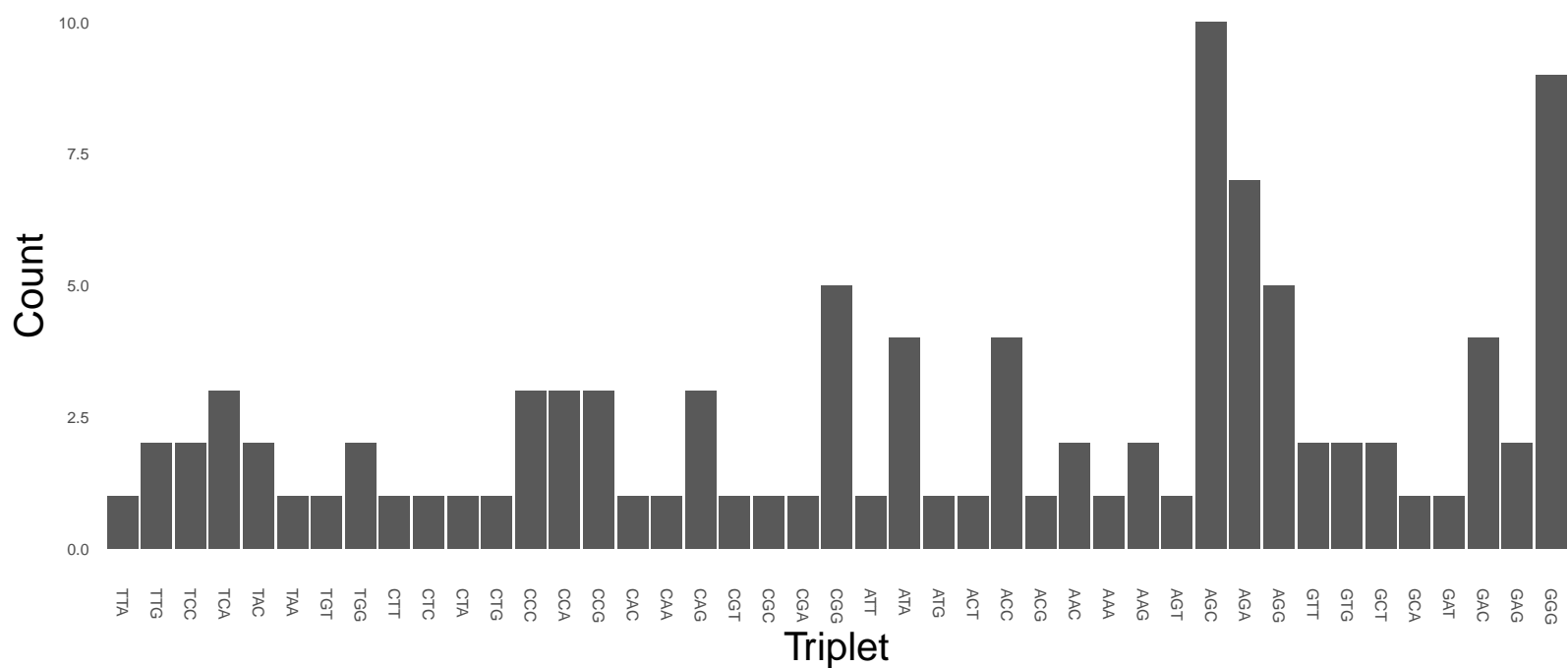
Gene TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

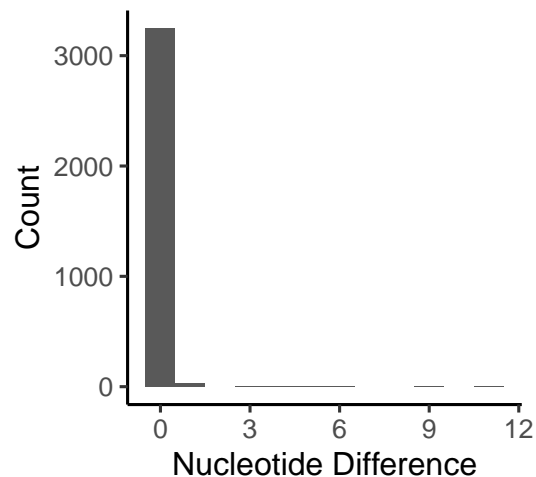


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



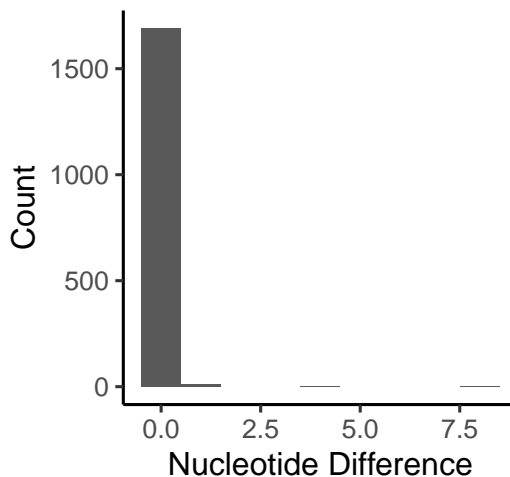
TRBV10-1*ap01

3283 sequences assigned
3247 (98.9%) exact matches, in which:
3187 unique CDR3
13 unique J



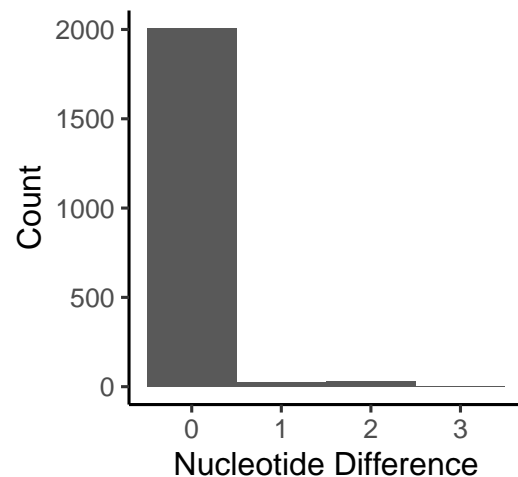
TRBV10-2*ap01

1705 sequences assigned
1690 (99.1%) exact matches, in which:
1660 unique CDR3
13 unique J



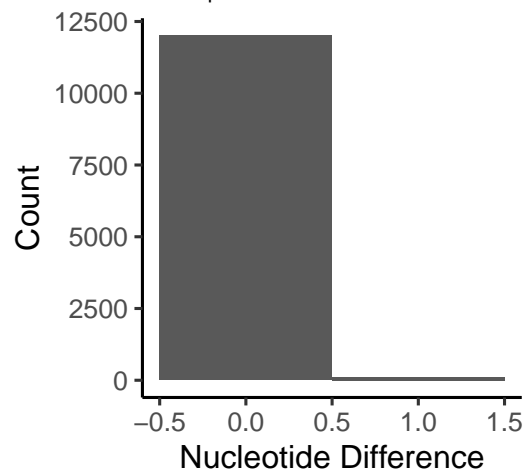
TRBV13*ap01

2062 sequences assigned
2006 (97.3%) exact matches, in which:
1964 unique CDR3
13 unique J



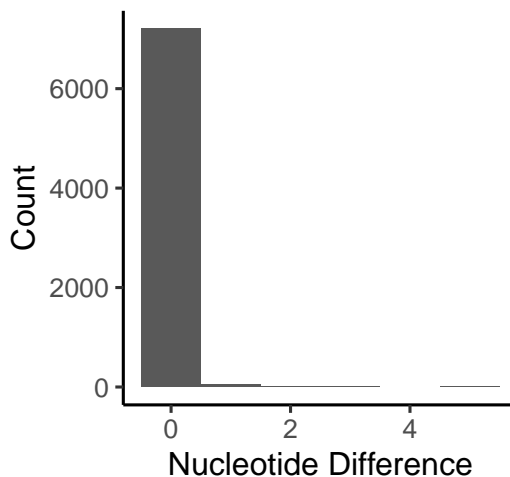
TRBV20-1*ap01

12127 sequences assigned
12013 (99.1%) exact matches, in which:
11858 unique CDR3
13 unique J



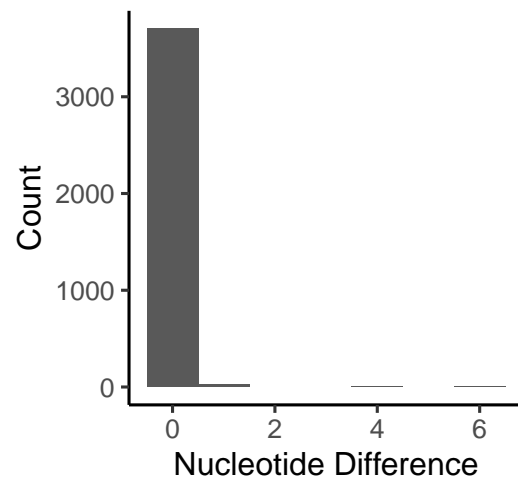
TRBV10-3*ap01

7266 sequences assigned
7205 (99.2%) exact matches, in which:
7096 unique CDR3
13 unique J



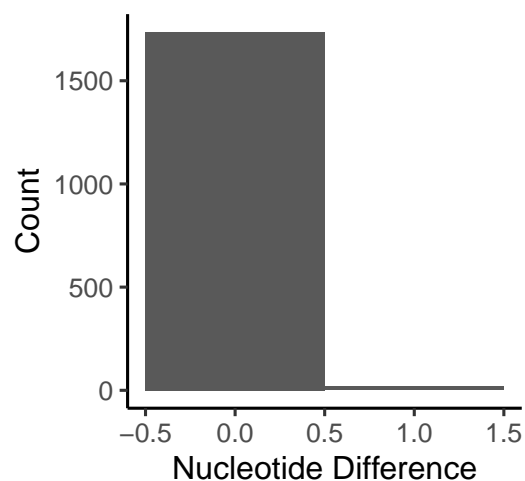
TRBV14*ap01

3729 sequences assigned
3703 (99.3%) exact matches, in which:
3636 unique CDR3
13 unique J



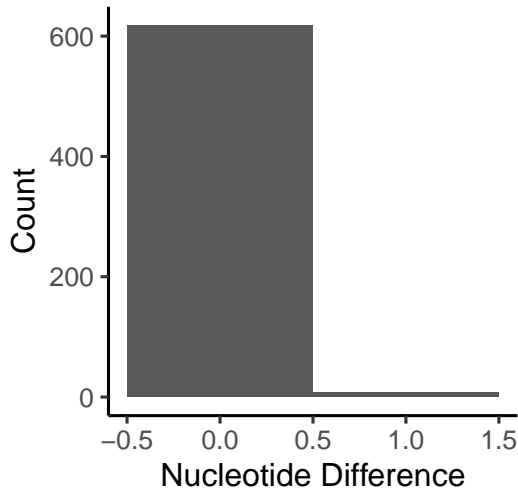
TRBV20-1*ap02

1754 sequences assigned
1736 (99%) exact matches, in which:
1715 unique CDR3
13 unique J



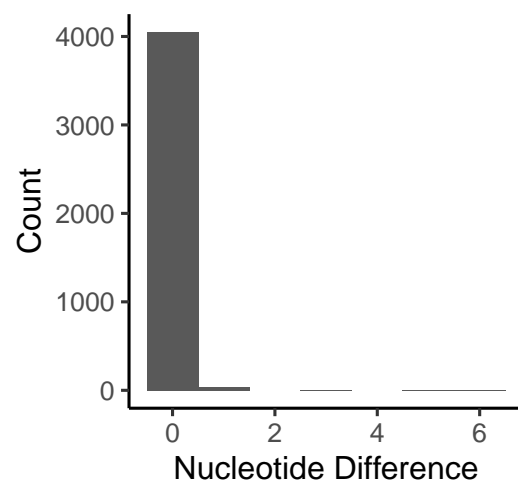
TRBV1*ap01

625 sequences assigned
618 (98.9%) exact matches, in which:
600 unique CDR3
13 unique J



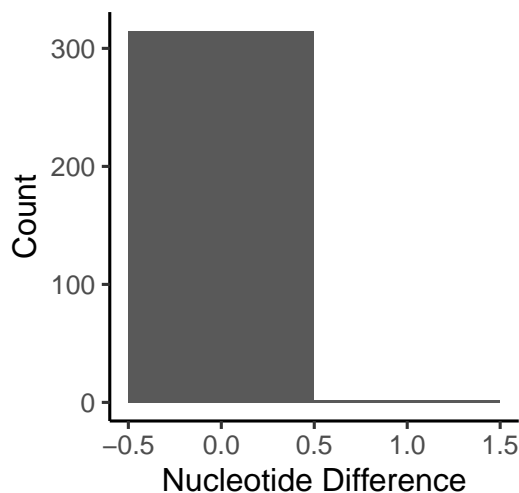
TRBV15*ap02

4093 sequences assigned
4050 (98.9%) exact matches, in which:
3962 unique CDR3
13 unique J



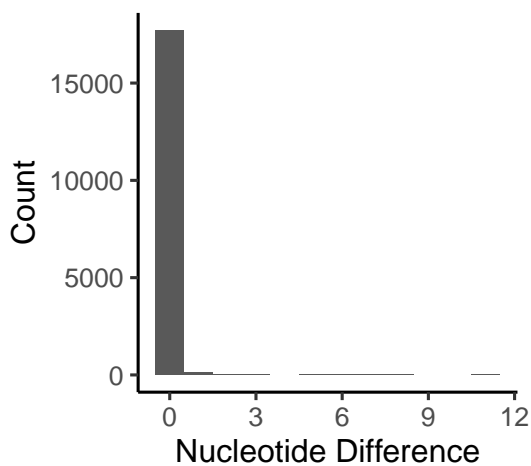
TRBV16*ap01

317 sequences assigned
315 (99.4%) exact matches, in which:
310 unique CDR3
13 unique J



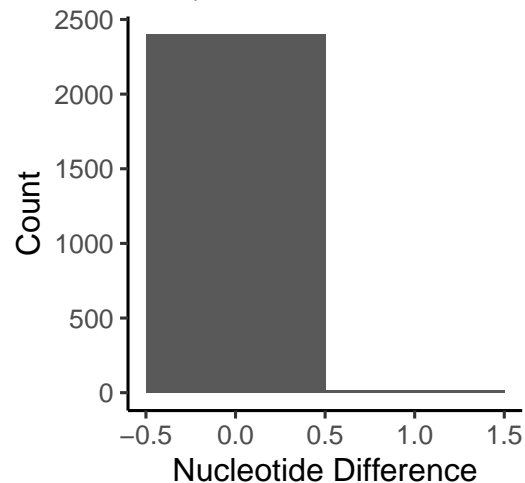
TRBV19*ap01

17877 sequences assigned
17720 (99.1%) exact matches, in which:
17554 unique CDR3
13 unique J



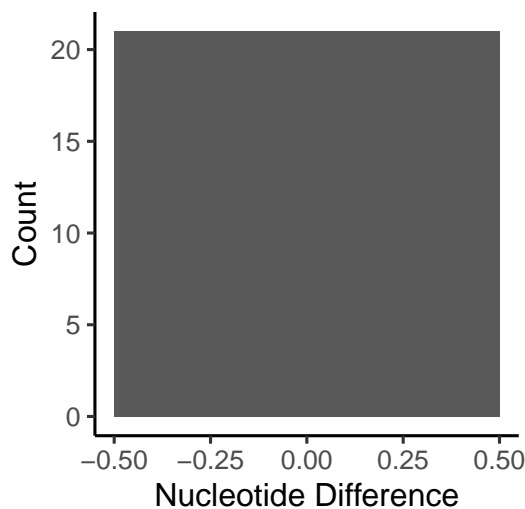
TRBV28*ap01

2418 sequences assigned
2400 (99.3%) exact matches, in which:
2373 unique CDR3
13 unique J



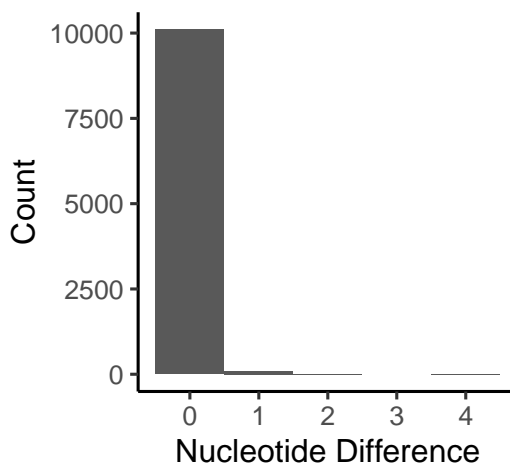
TRBV17*ap01

21 sequences assigned
21 (100%) exact matches, in which:
20 unique CDR3
8 unique J



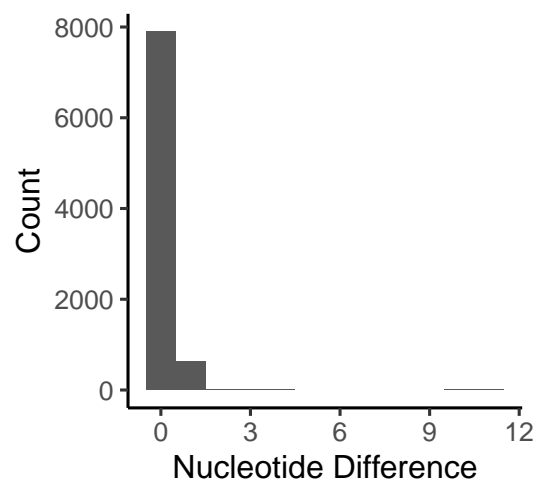
TRBV2*ap01

10197 sequences assigned
10106 (99.1%) exact matches, in which:
9953 unique CDR3
13 unique J



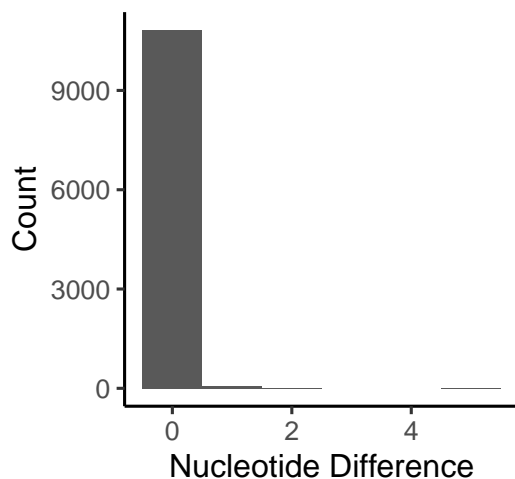
TRBV30*ap01

8534 sequences assigned
7896 (92.5%) exact matches, in which:
7701 unique CDR3
13 unique J



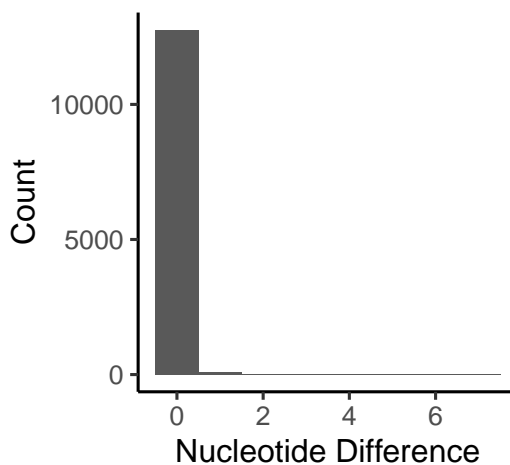
TRBV18*ap01

10889 sequences assigned
10824 (99.4%) exact matches, in which:
10707 unique CDR3
13 unique J



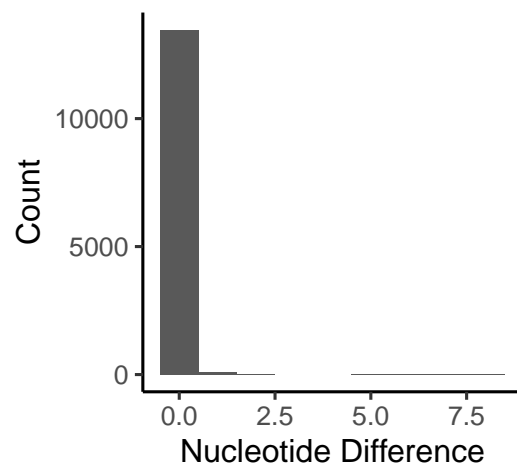
TRBV27*ap01

12895 sequences assigned
12762 (99%) exact matches, in which:
12525 unique CDR3
13 unique J



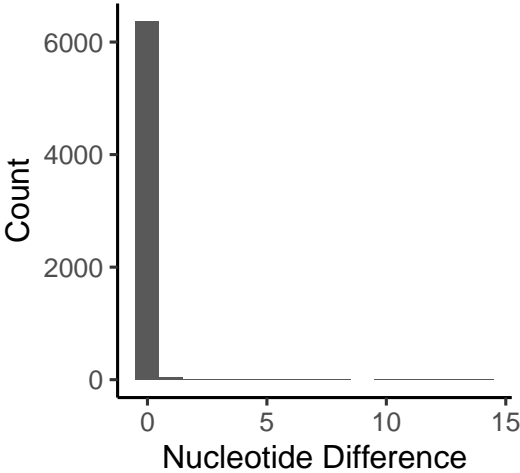
TRBV9*ap01

13566 sequences assigned
13469 (99.3%) exact matches, in which:
13303 unique CDR3
13 unique J



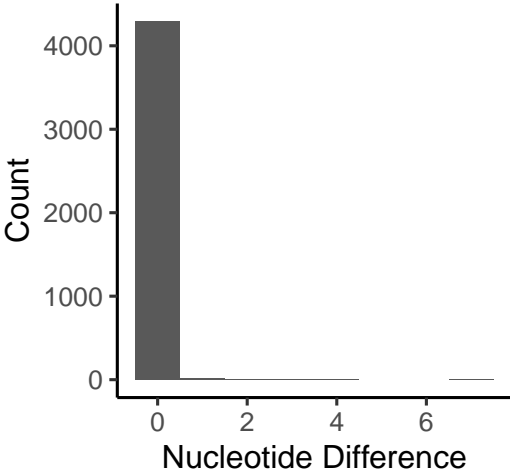
TRBV21-1*ap01

6448 sequences assigned
6367 (98.7%) exact matches, in which:
6303 unique CDR3
13 unique J



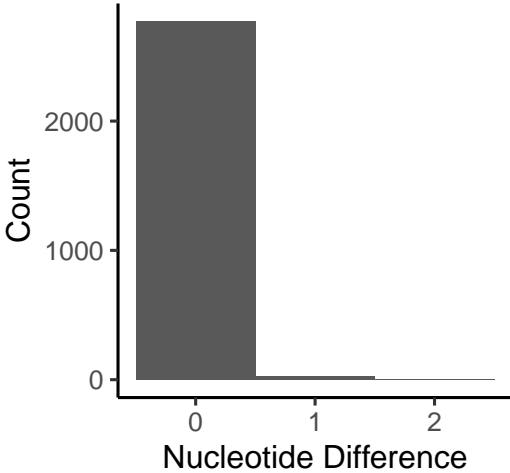
TRBV11-3*ap01

4321 sequences assigned
4292 (99.3%) exact matches, in which:
4247 unique CDR3
13 unique J



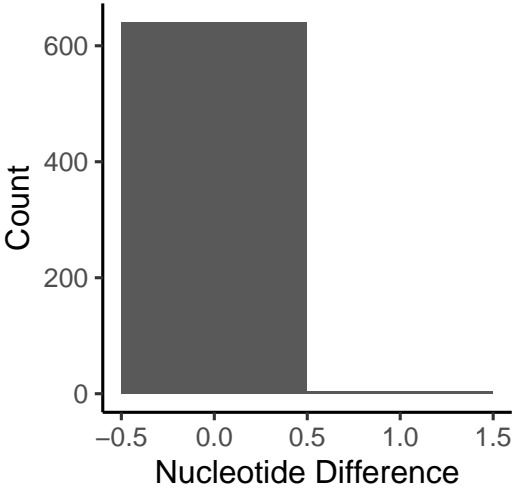
TRBV12-5*ap01

2799 sequences assigned
2771 (99%) exact matches, in which:
2723 unique CDR3
13 unique J



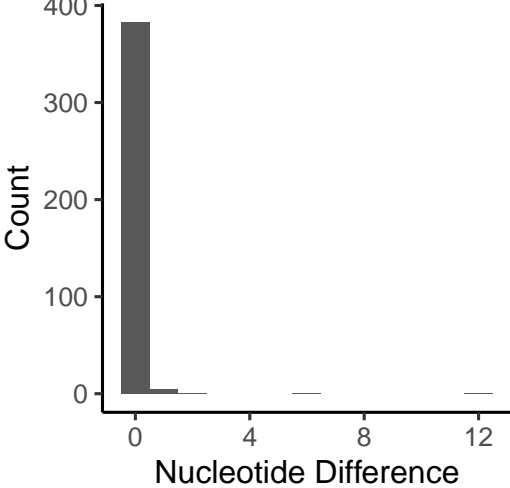
TRBV11-1*ap01

646 sequences assigned
641 (99.2%) exact matches, in which:
630 unique CDR3
13 unique J



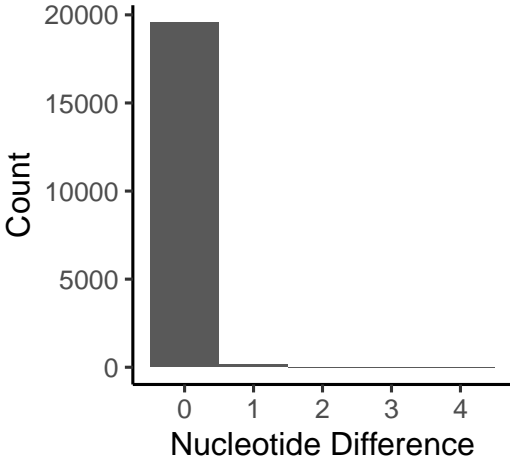
TRBV12-1*ap01

391 sequences assigned
383 (98%) exact matches, in which:
381 unique CDR3
13 unique J



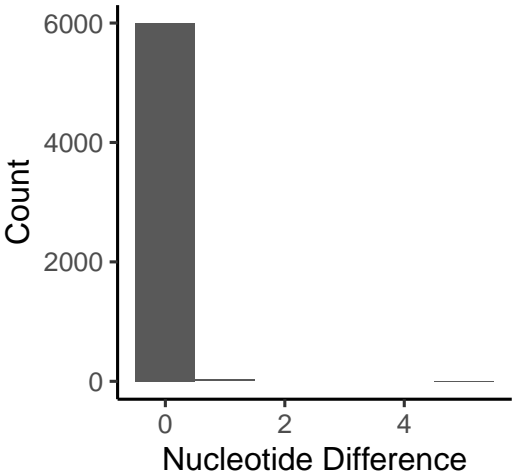
TRBV12-34*ap01

19740 sequences assigned
19568 (99.1%) exact matches, in which:
19237 unique CDR3
13 unique J



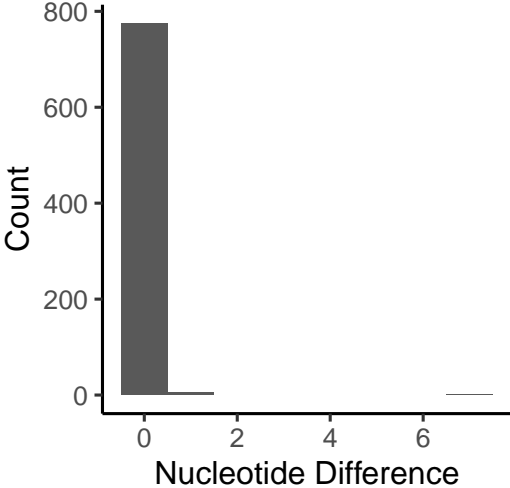
TRBV11-2*ap01

6030 sequences assigned
6000 (99.5%) exact matches, in which:
5962 unique CDR3
13 unique J



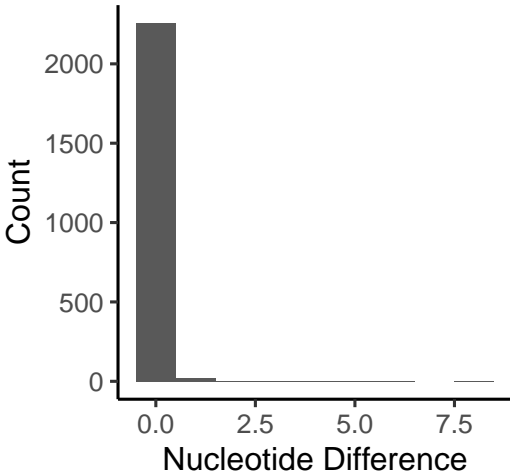
TRBV12-2*ap01

781 sequences assigned
775 (99.2%) exact matches, in which:
768 unique CDR3
13 unique J



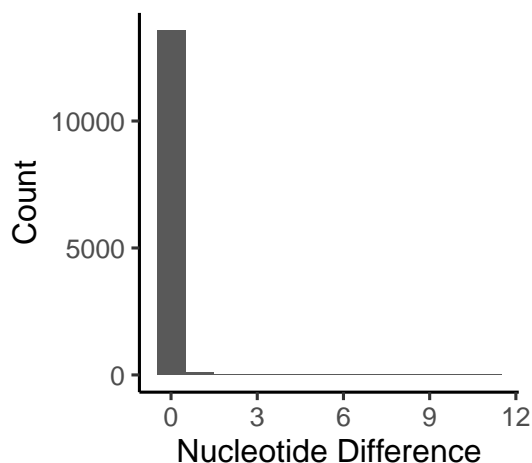
TRBV23-1*ap01

2288 sequences assigned
2257 (98.6%) exact matches, in which:
2223 unique CDR3
13 unique J



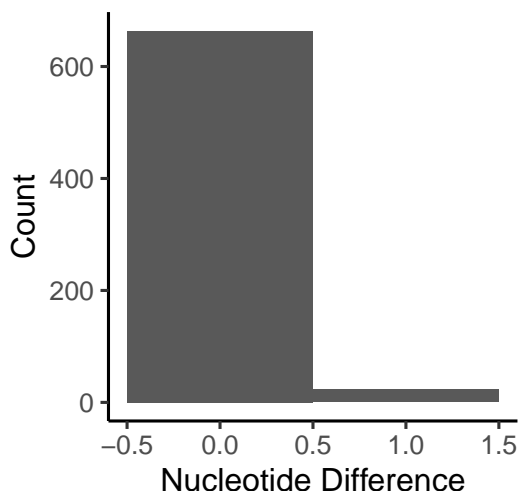
TRBV3-12*ap01

13690 sequences assigned
13578 (99.2%) exact matches, in which:
13468 unique CDR3
13 unique J



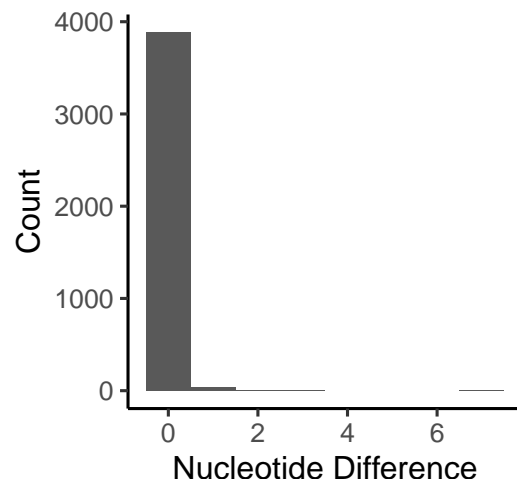
TRBV4-2*ap01

687 sequences assigned
664 (96.7%) exact matches, in which:
653 unique CDR3
13 unique J



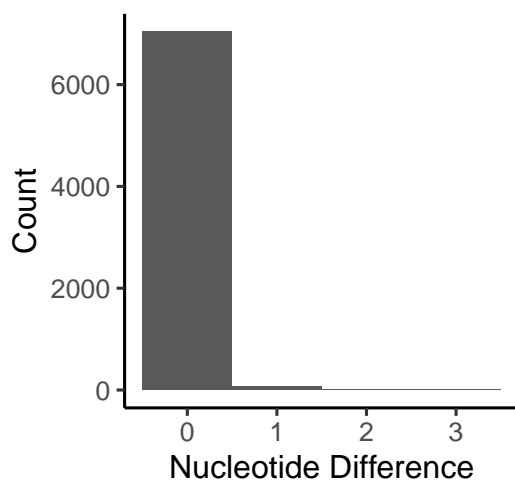
TRBV25-1*ap01

3925 sequences assigned
3884 (99%) exact matches, in which:
3784 unique CDR3
13 unique J



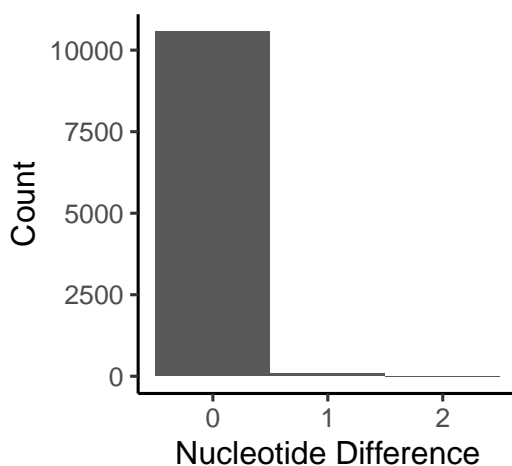
TRBV4-1*ap01

7104 sequences assigned
7039 (99.1%) exact matches, in which:
6892 unique CDR3
13 unique J



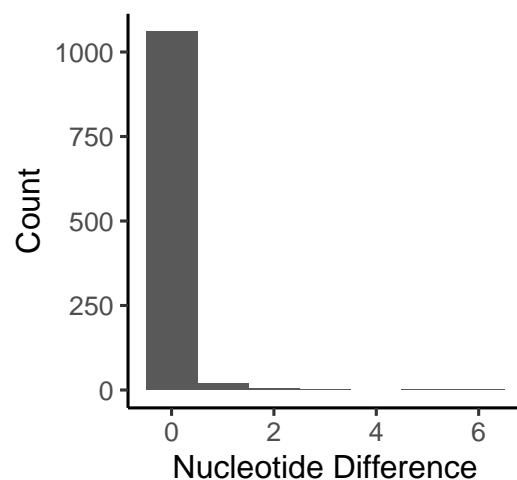
TRBV4-3*ap01

10666 sequences assigned
10573 (99.1%) exact matches, in which:
10338 unique CDR3
13 unique J



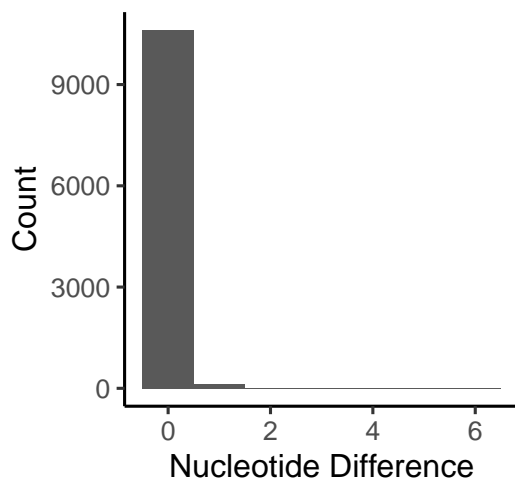
TRBV5-3*ap01

1087 sequences assigned
1060 (97.5%) exact matches, in which:
1027 unique CDR3
13 unique J



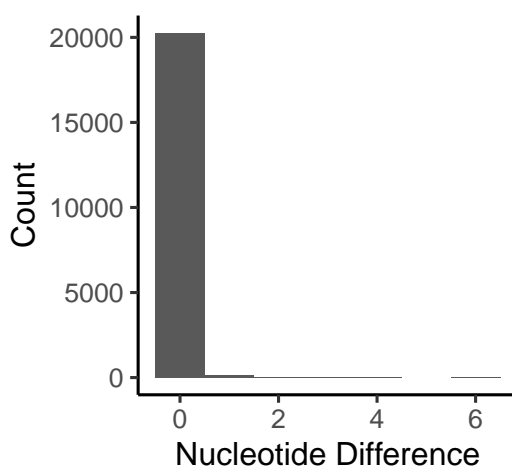
TRBV24-1*ap01

10764 sequences assigned
10615 (98.6%) exact matches, in which:
10413 unique CDR3
13 unique J



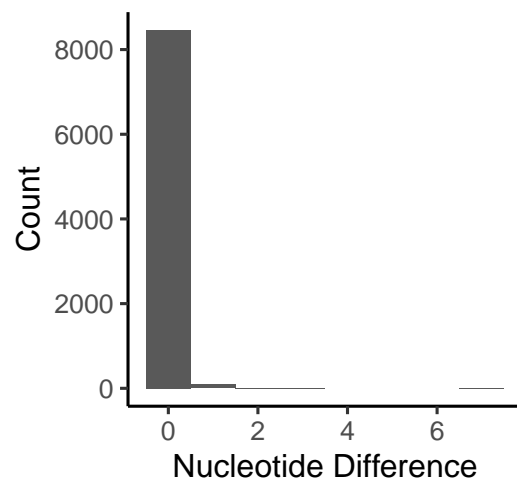
TRBV5-1*ap01

20445 sequences assigned
20270 (99.1%) exact matches, in which:
19876 unique CDR3
13 unique J



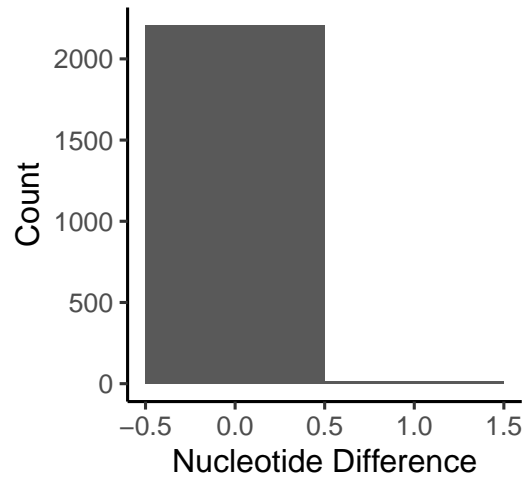
TRBV5-4*ap01

8555 sequences assigned
8461 (98.9%) exact matches, in which:
8288 unique CDR3
13 unique J



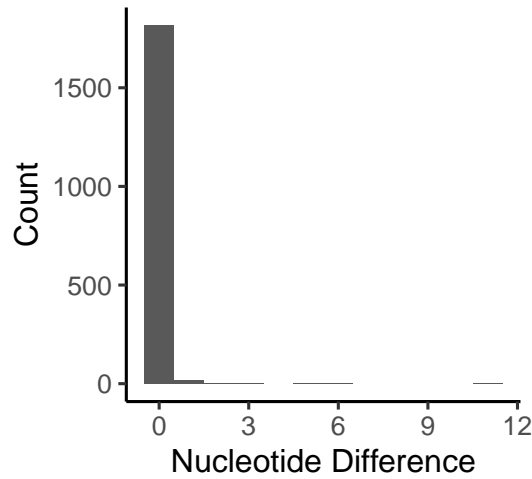
TRBV5-5*ap01

2222 sequences assigned
2206 (99.3%) exact matches, in which:
2191 unique CDR3
13 unique J



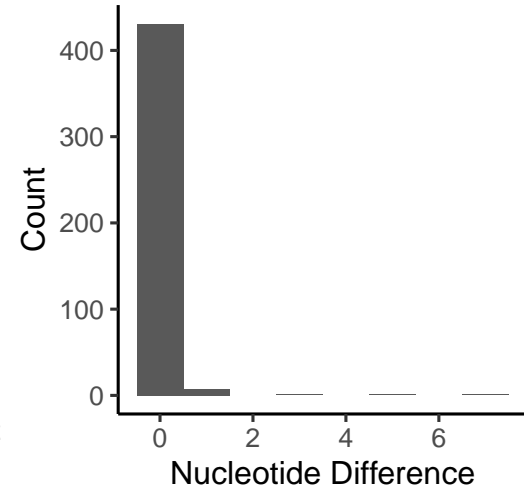
TRBV5-8*ap01

1843 sequences assigned
1816 (98.5%) exact matches, in which:
1804 unique CDR3
13 unique J



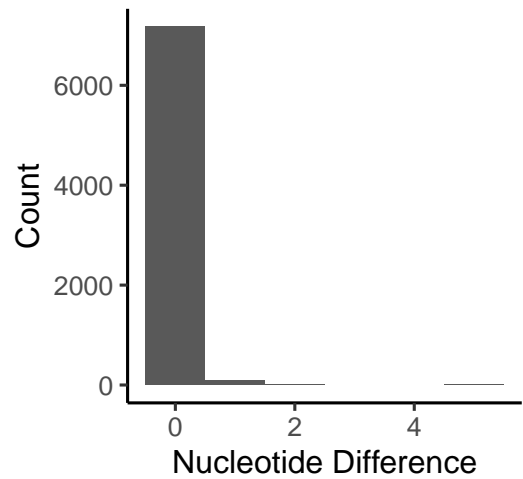
TRBV6-7*ap01

441 sequences assigned
431 (97.7%) exact matches, in which:
426 unique CDR3
14 unique J



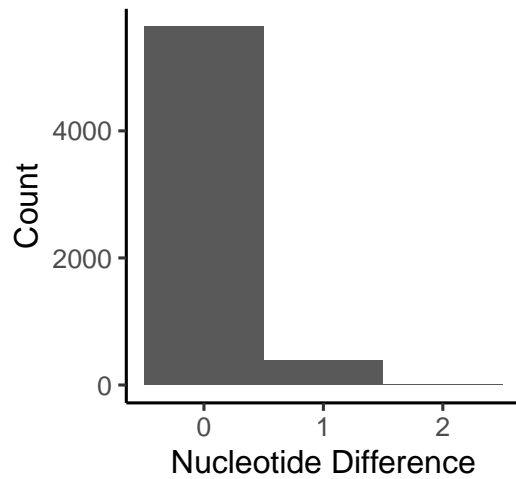
TRBV5-6*ap01

7268 sequences assigned
7173 (98.7%) exact matches, in which:
6962 unique CDR3
13 unique J



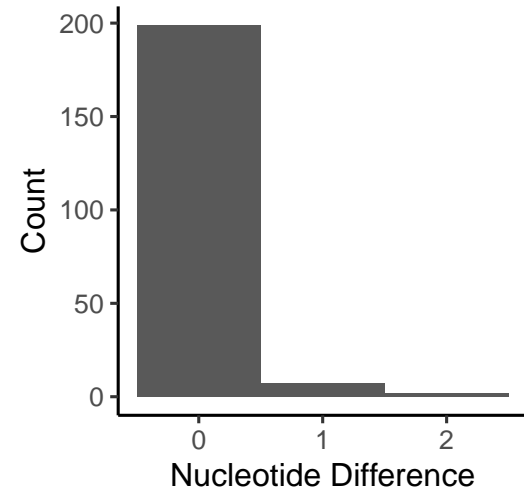
TRBV6-1*ap01

6020 sequences assigned
5639 (93.7%) exact matches, in which:
5534 unique CDR3
13 unique J



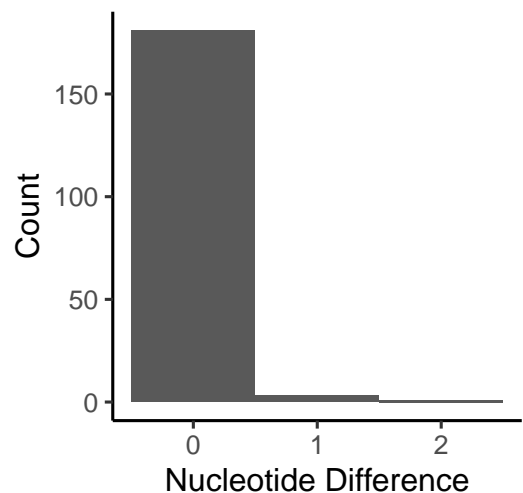
TRBV6-8*ap01

208 sequences assigned
199 (95.7%) exact matches, in which:
196 unique CDR3
13 unique J



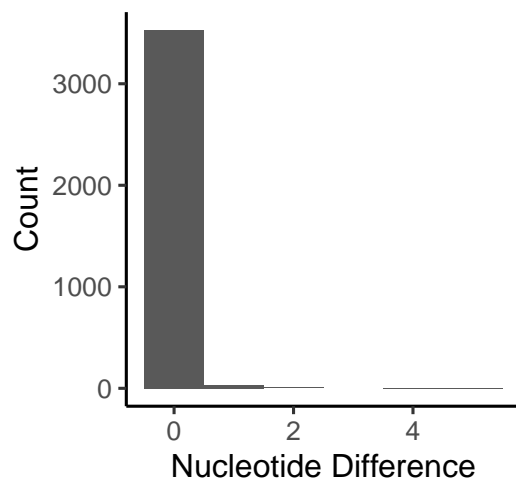
TRBV5-7*ap01

185 sequences assigned
181 (97.8%) exact matches, in which:
176 unique CDR3
13 unique J



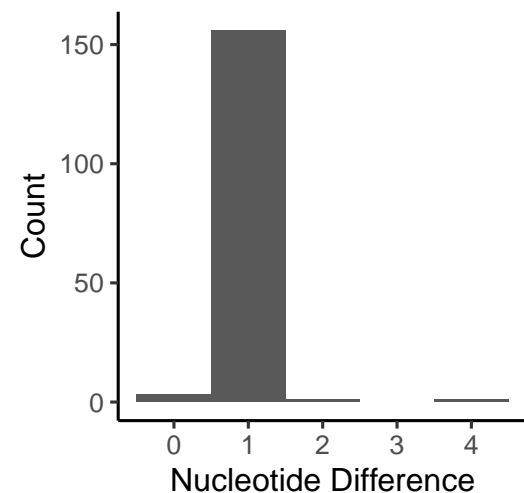
TRBV6-4*ap01

3570 sequences assigned
3529 (98.9%) exact matches, in which:
3475 unique CDR3
13 unique J



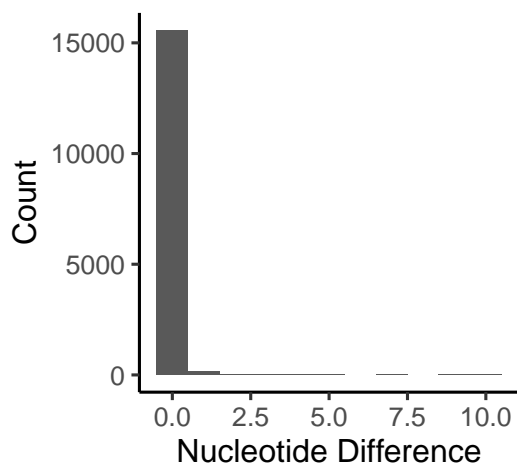
TRBV6-9*ap01

161 sequences assigned
3 (1.9%) exact matches, in which:
2 unique CDR3
1 unique J



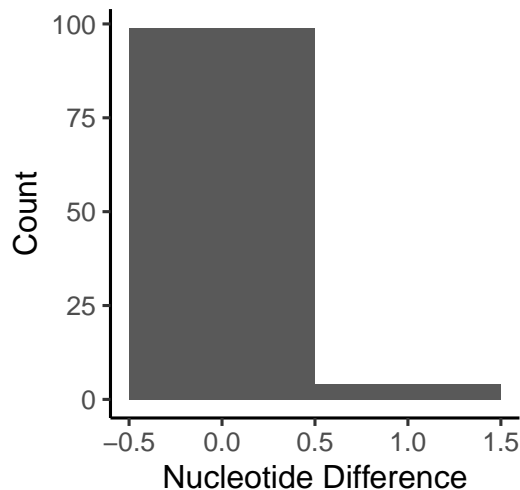
TRBV6-23*ap01

15748 sequences assigned
15574 (98.9%) exact matches, in which:
15152 unique CDR3
13 unique J



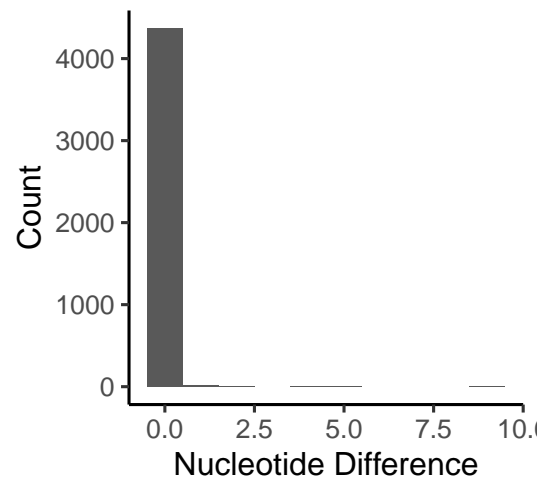
TRBV7-1*ap01_G291C_

103 sequences assigned
99 (96.1%) exact matches, in which:
98 unique CDR3
12 unique J



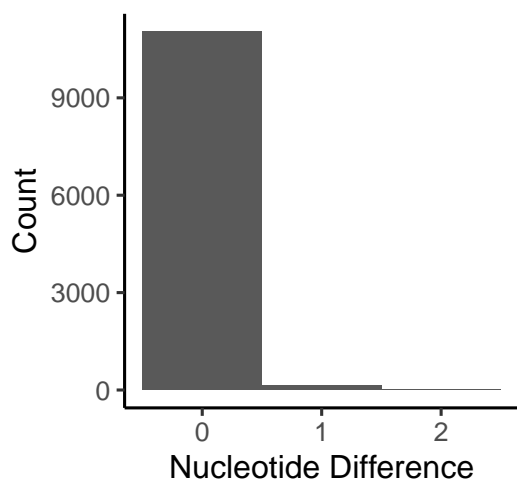
TRBV7-3*ap01

4392 sequences assigned
4368 (99.5%) exact matches, in which:
4308 unique CDR3
13 unique J



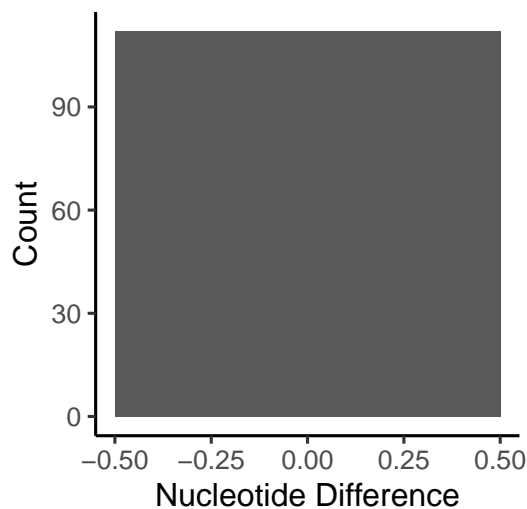
TRBV6-56*ap01

11163 sequences assigned
11036 (98.9%) exact matches, in which:
10766 unique CDR3
13 unique J



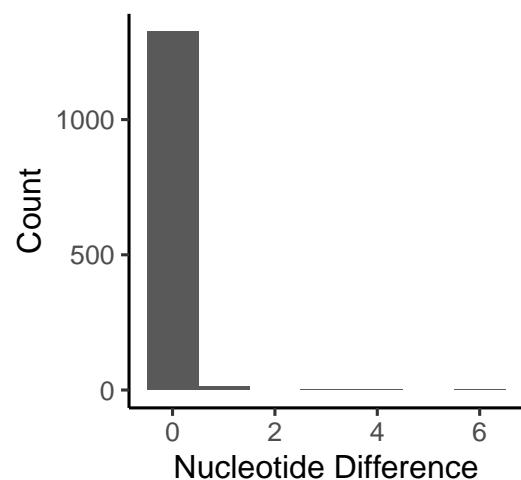
TRBV7-1*ap01_G291C_T

112 sequences assigned
112 (100%) exact matches, in which:
109 unique CDR3
12 unique J



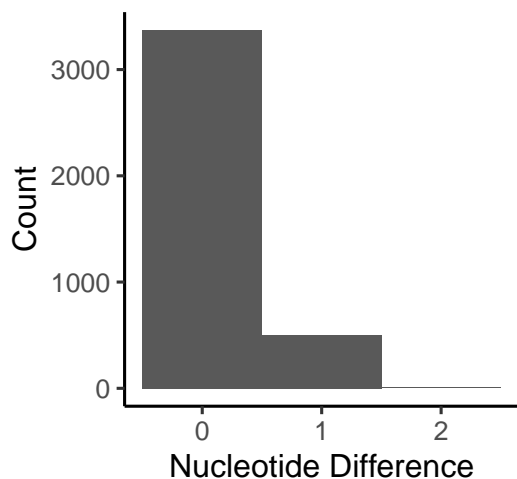
TRBV7-3*ap02

1344 sequences assigned
1325 (98.6%) exact matches, in which:
1308 unique CDR3
13 unique J



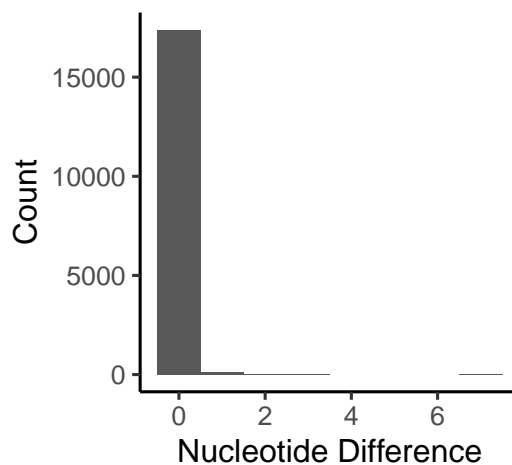
TRBV6-56*ap02

3878 sequences assigned
3372 (87%) exact matches, in which:
3296 unique CDR3
13 unique J



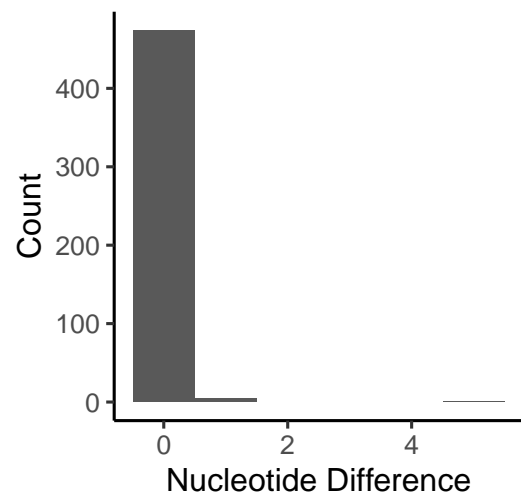
TRBV7-2*ap01

17502 sequences assigned
17389 (99.4%) exact matches, in which:
17148 unique CDR3
13 unique J



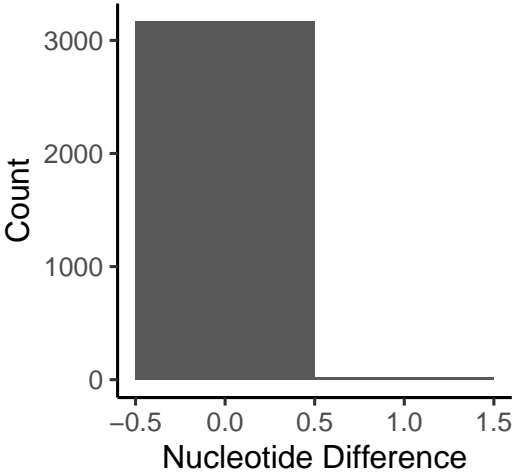
TRBV7-4*ap01

480 sequences assigned
474 (98.8%) exact matches, in which:
466 unique CDR3
13 unique J



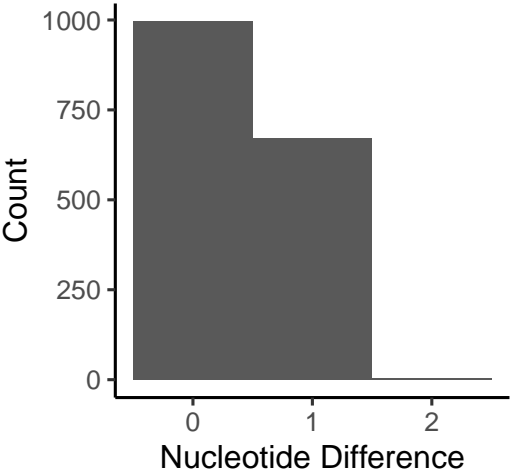
TRBV7-6*ap01

3187 sequences assigned
3168 (99.4%) exact matches, in which:
3123 unique CDR3
13 unique J



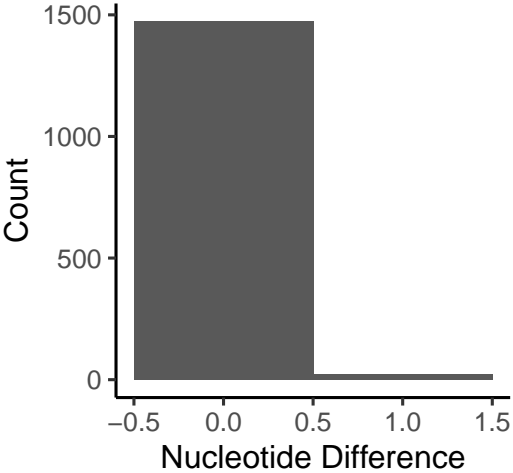
TRBV7-8*ap03

1672 sequences assigned
996 (59.6%) exact matches, in which:
978 unique CDR3
13 unique J



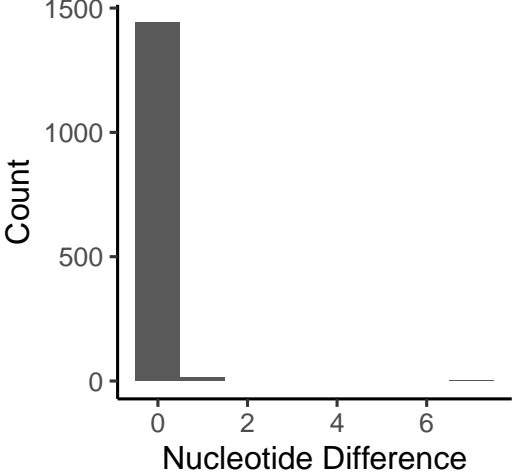
TRBV29-1*ap02

1494 sequences assigned
1473 (98.6%) exact matches, in which:
1428 unique CDR3
13 unique J



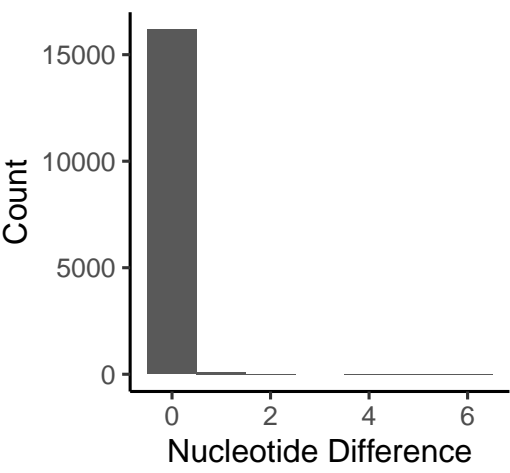
TRBV7-7*ap01

1455 sequences assigned
1441 (99%) exact matches, in which:
1426 unique CDR3
13 unique J



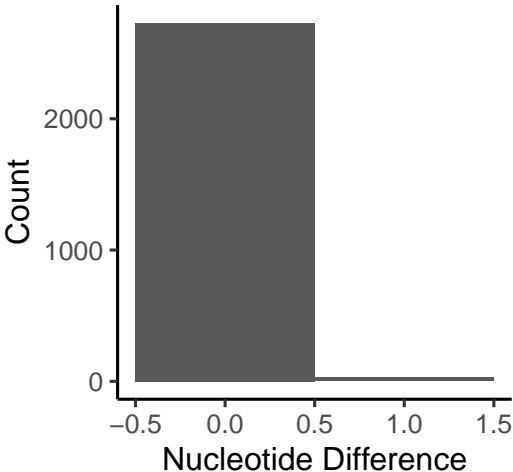
TRBV7-9*ap01

16296 sequences assigned
16183 (99.3%) exact matches, in which:
15963 unique CDR3
13 unique J



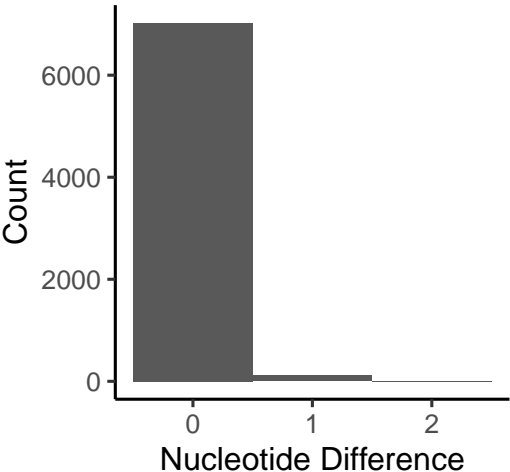
TRBV7-8*ap01

2757 sequences assigned
2729 (99%) exact matches, in which:
2688 unique CDR3
13 unique J

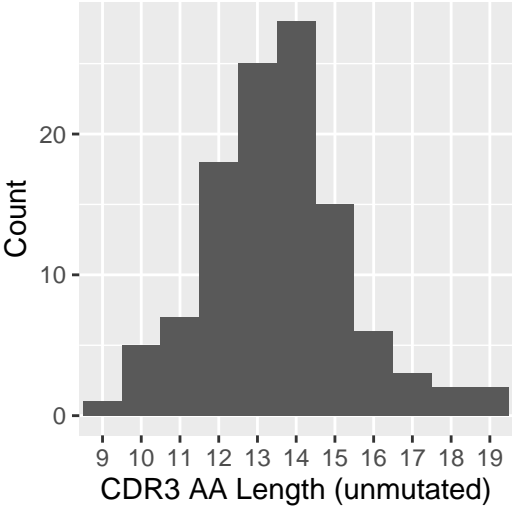


TRBV29-1*ap01

7137 sequences assigned
7022 (98.4%) exact matches, in which:
6820 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C

