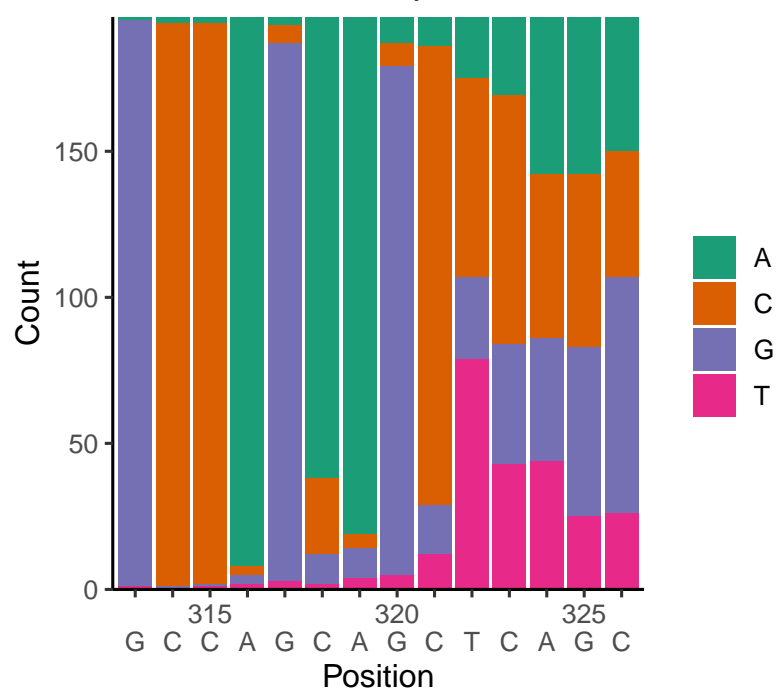
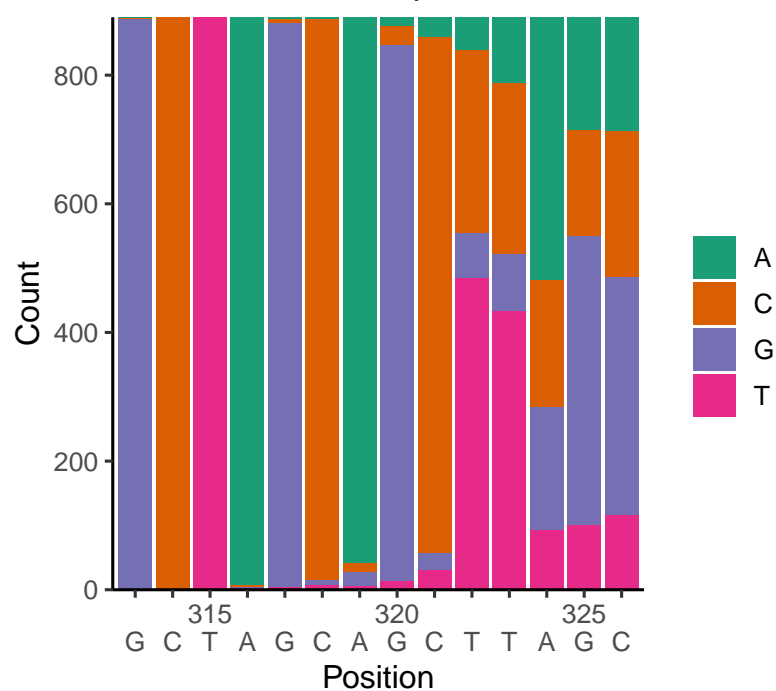


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



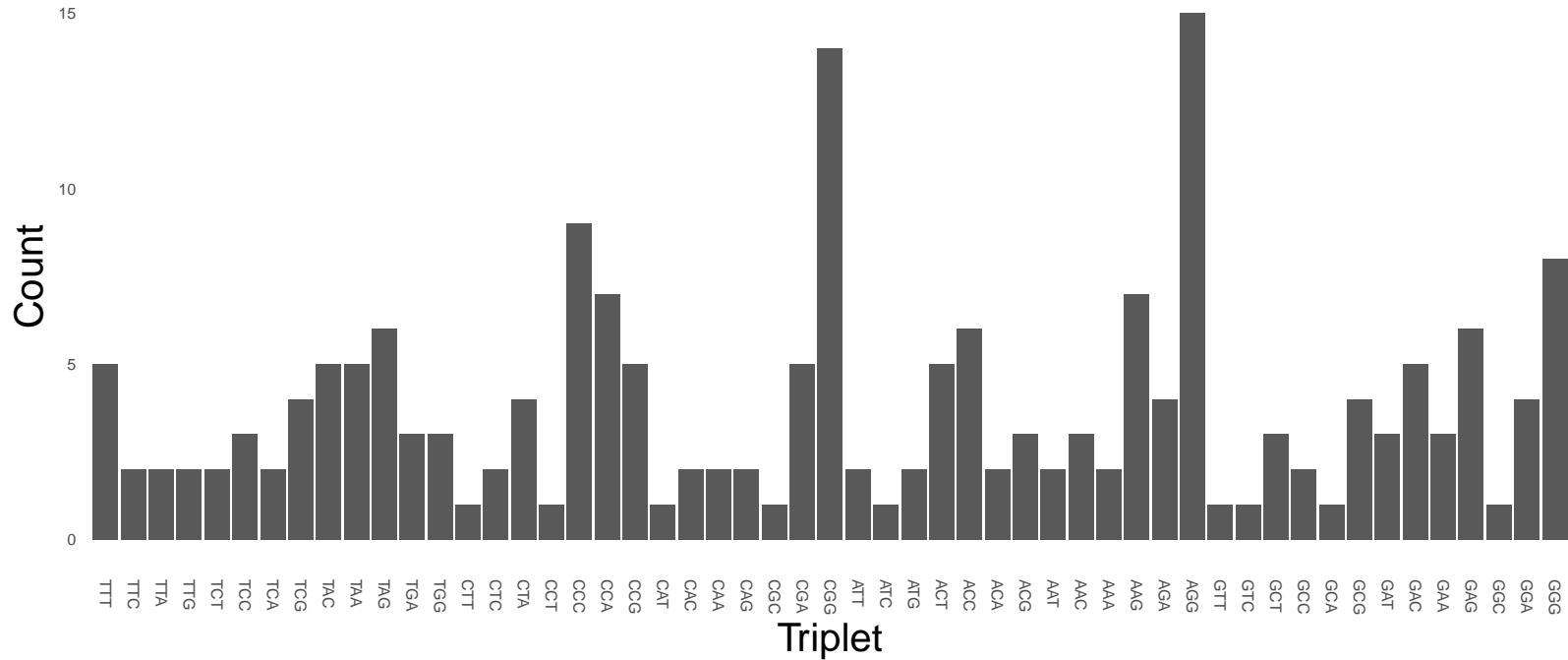
Gene TRBV7-1*ap01_T296C



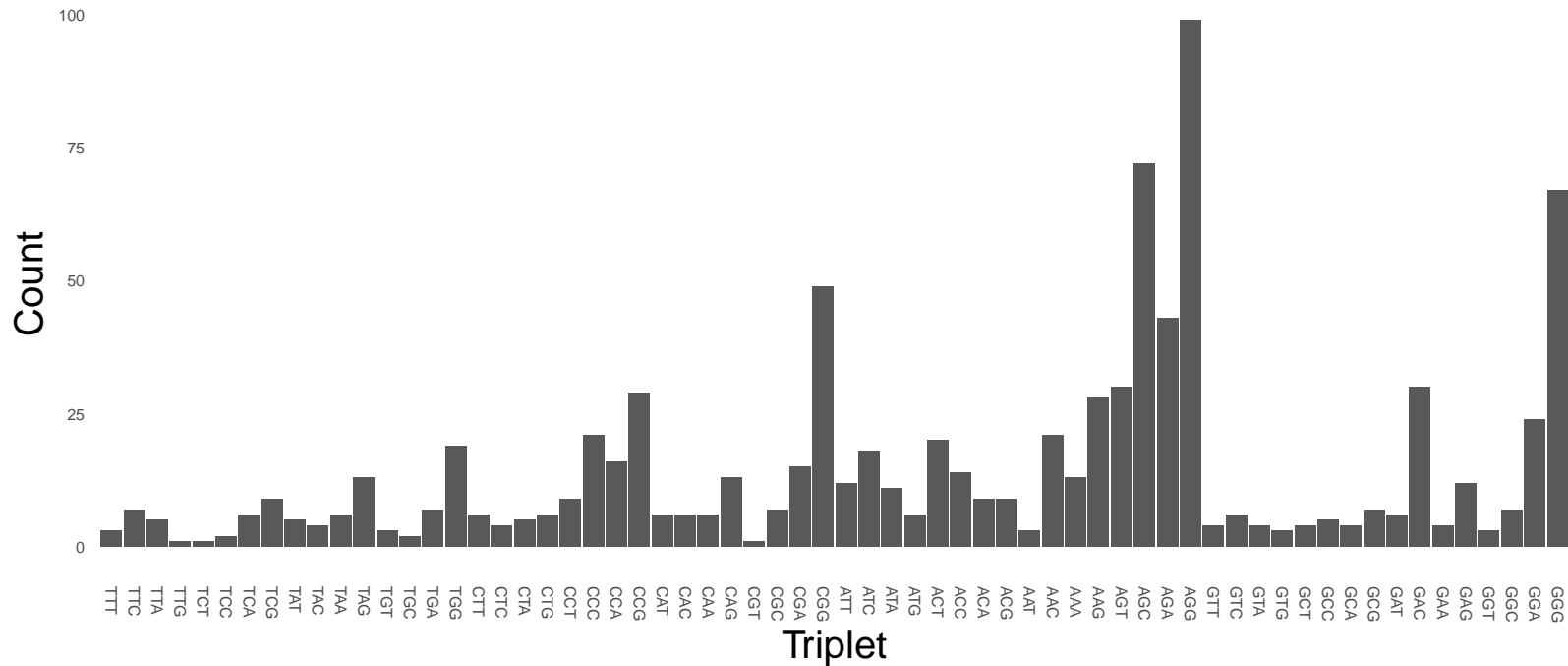
Gene TRBV7-7*ap01_C315T



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

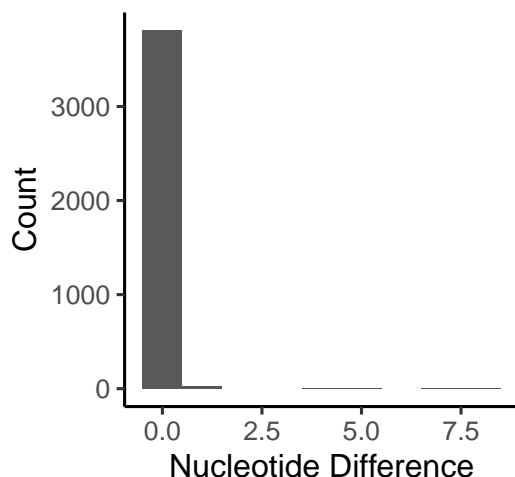


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



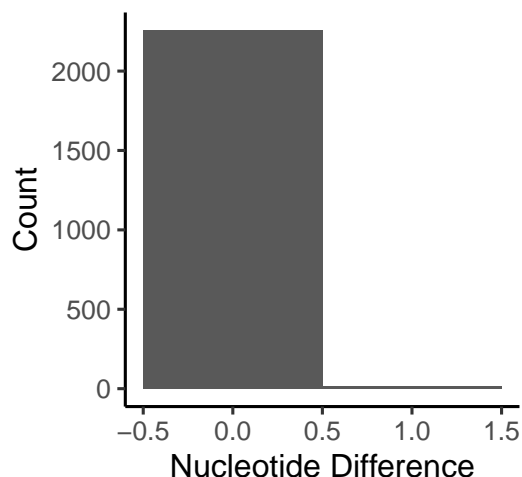
TRBV10-1*ap01

3841 sequences assigned
3809 (99.2%) exact matches, in which:
3719 unique CDR3
13 unique J



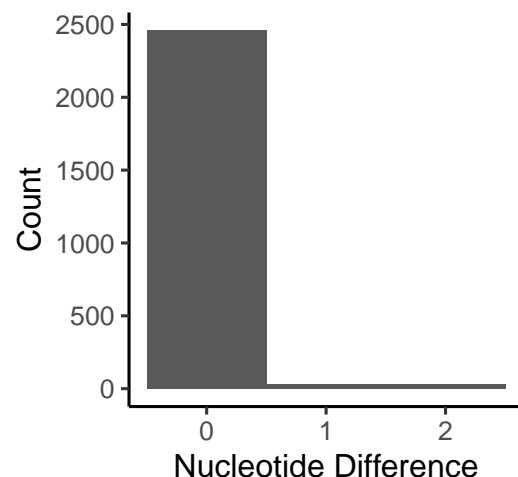
TRBV10-2*ap01

2274 sequences assigned
2256 (99.2%) exact matches, in which:
2197 unique CDR3
13 unique J



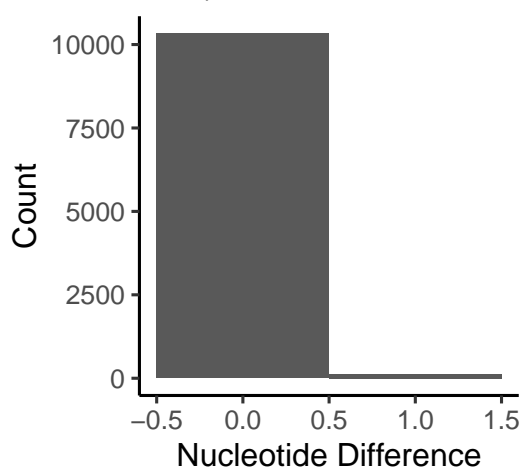
TRBV13*ap01

2520 sequences assigned
2459 (97.6%) exact matches, in which:
2370 unique CDR3
13 unique J



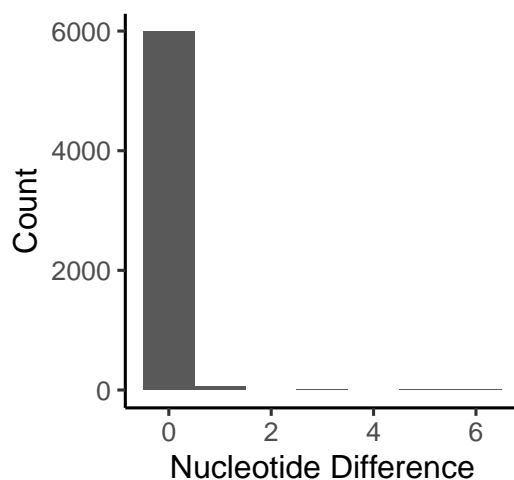
TRBV20-1*ap01

10465 sequences assigned
10332 (98.7%) exact matches, in which:
10123 unique CDR3
13 unique J



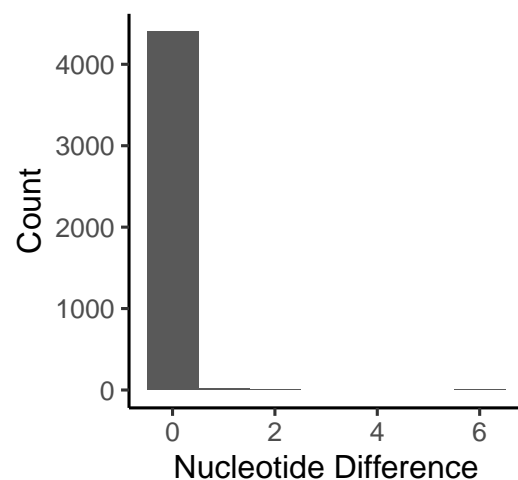
TRBV10-3*ap01

6047 sequences assigned
5989 (99%) exact matches, in which:
5851 unique CDR3
13 unique J



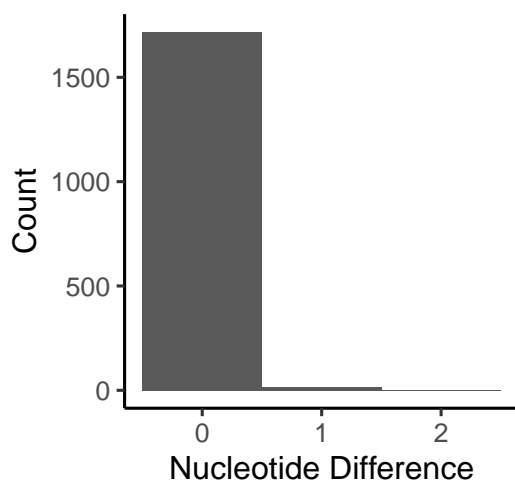
TRBV14*ap01

4426 sequences assigned
4400 (99.4%) exact matches, in which:
4283 unique CDR3
13 unique J



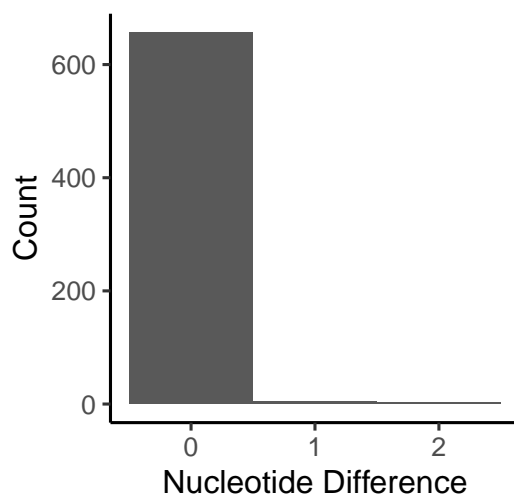
TRBV20-1*ap02

1734 sequences assigned
1717 (99%) exact matches, in which:
1681 unique CDR3
13 unique J



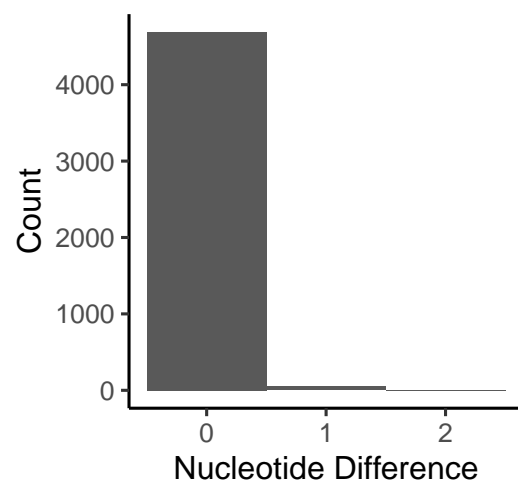
TRBV1*ap01

663 sequences assigned
657 (99.1%) exact matches, in which:
629 unique CDR3
13 unique J



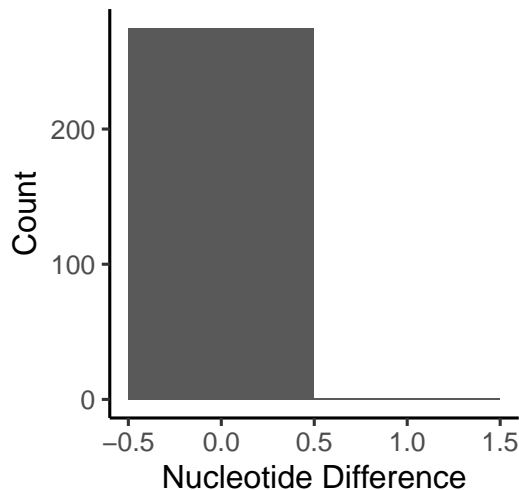
TRBV15*ap02

4739 sequences assigned
4689 (98.9%) exact matches, in which:
4552 unique CDR3
13 unique J



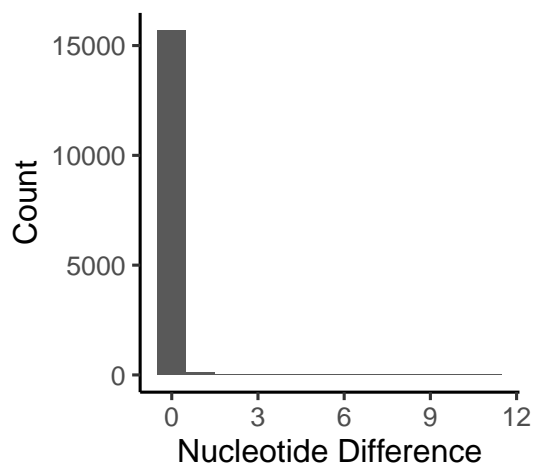
TRBV16*ap01

276 sequences assigned
275 (99.6%) exact matches, in which:
271 unique CDR3
12 unique J



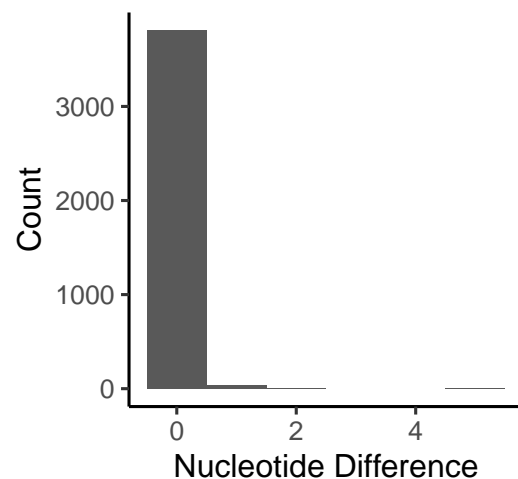
TRBV19*ap01

15862 sequences assigned
15702 (99%) exact matches, in which:
15448 unique CDR3
13 unique J



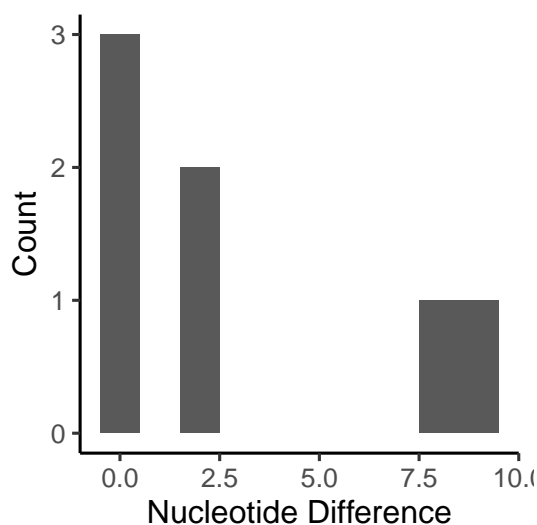
TRBV28*ap01

3851 sequences assigned
3808 (98.9%) exact matches, in which:
3723 unique CDR3
13 unique J



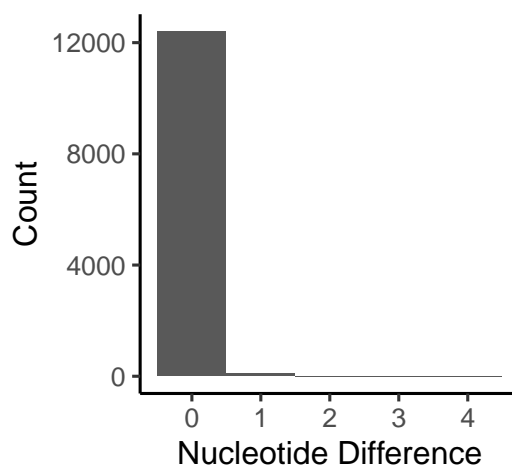
TRBV17*ap01

7 sequences assigned
3 (42.9%) exact matches, in which:
3 unique CDR3
2 unique J



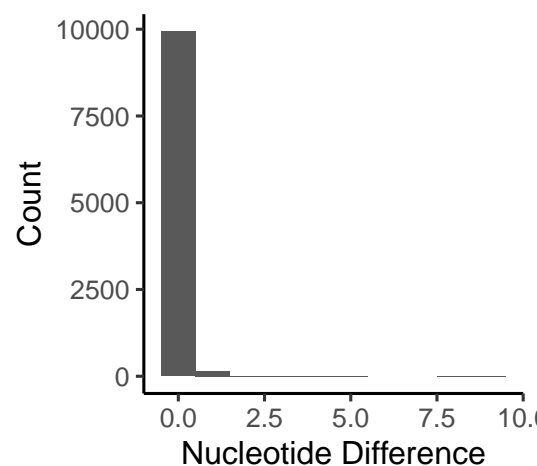
TRBV2*ap01

12519 sequences assigned
12402 (99.1%) exact matches, in which:
12111 unique CDR3
13 unique J



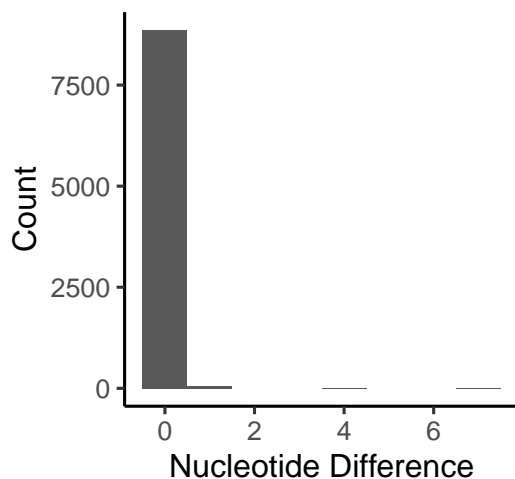
TRBV30*ap01

10098 sequences assigned
9935 (98.4%) exact matches, in which:
9673 unique CDR3
13 unique J



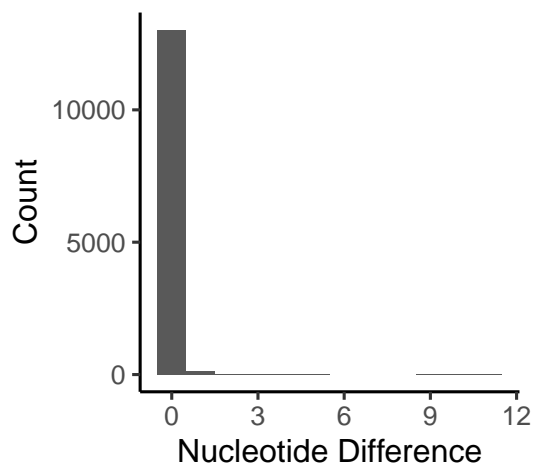
TRBV18*ap01

8919 sequences assigned
8861 (99.3%) exact matches, in which:
8717 unique CDR3
13 unique J



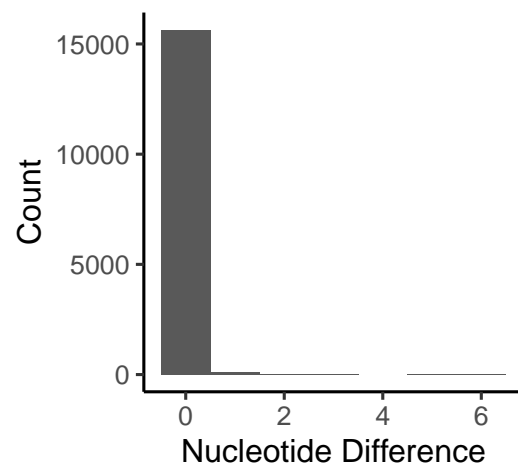
TRBV27*ap01

13160 sequences assigned
13024 (99%) exact matches, in which:
12683 unique CDR3
13 unique J



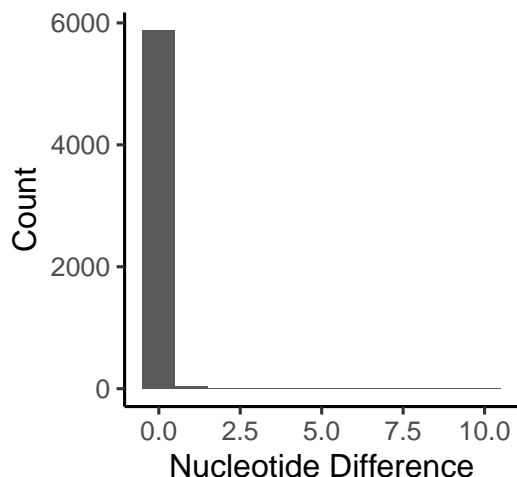
TRBV9*ap01

15775 sequences assigned
15643 (99.2%) exact matches, in which:
15393 unique CDR3
13 unique J



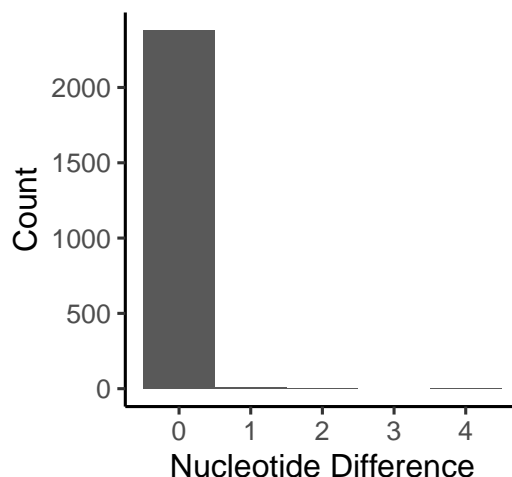
TRBV21-1*ap01

5942 sequences assigned
5877 (98.9%) exact matches, in which:
5787 unique CDR3
13 unique J



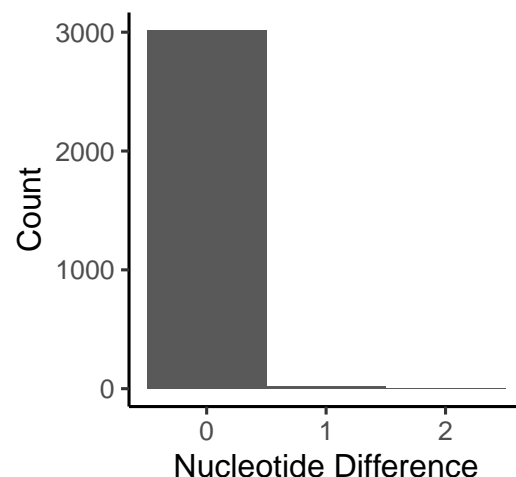
TRBV11-3*ap01

2394 sequences assigned
2379 (99.4%) exact matches, in which:
2359 unique CDR3
13 unique J



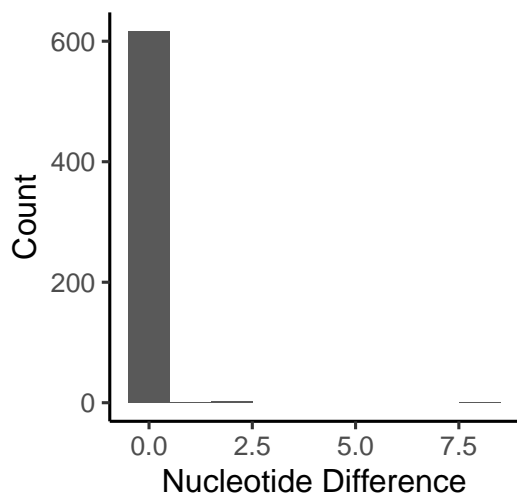
TRBV12-5*ap01

3045 sequences assigned
3015 (99%) exact matches, in which:
2946 unique CDR3
13 unique J



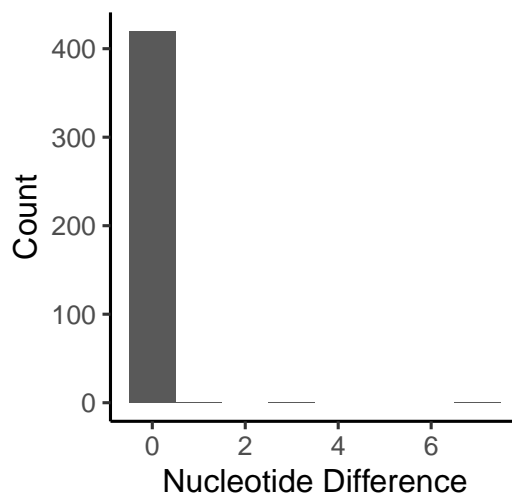
TRBV11-1*ap01

621 sequences assigned
617 (99.4%) exact matches, in which:
609 unique CDR3
13 unique J



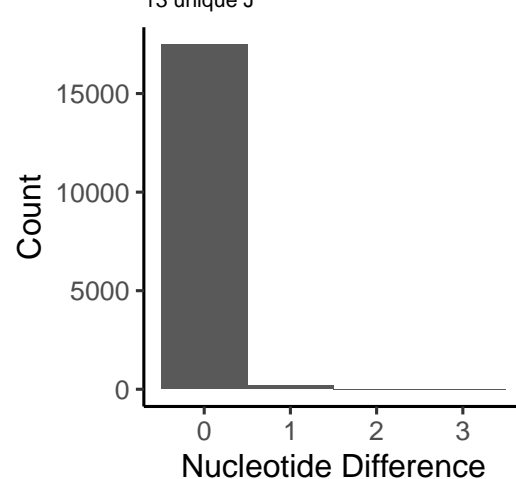
TRBV12-1*ap01

423 sequences assigned
420 (99.3%) exact matches, in which:
407 unique CDR3
13 unique J



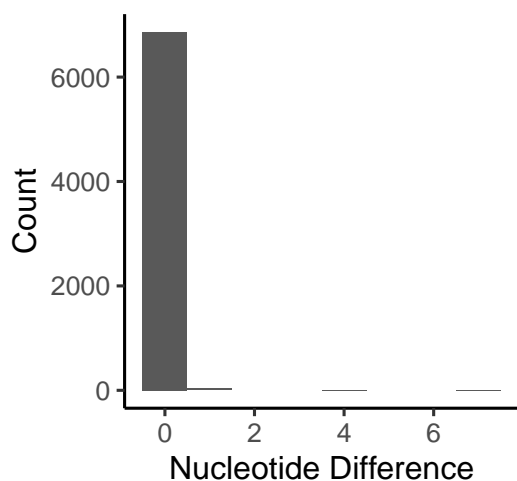
TRBV12-34*ap01

17676 sequences assigned
17490 (98.9%) exact matches, in which:
17076 unique CDR3
13 unique J



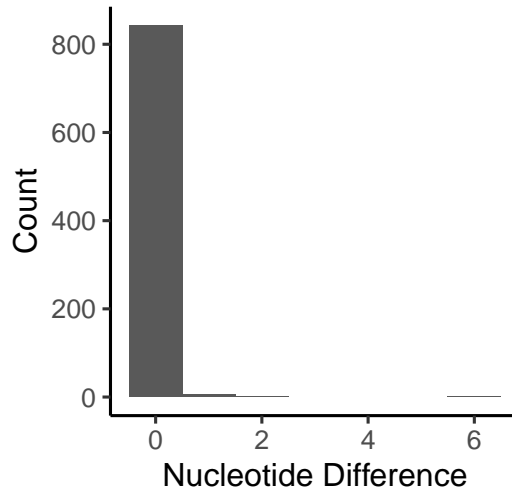
TRBV11-2*ap01

6901 sequences assigned
6863 (99.4%) exact matches, in which:
6791 unique CDR3
13 unique J



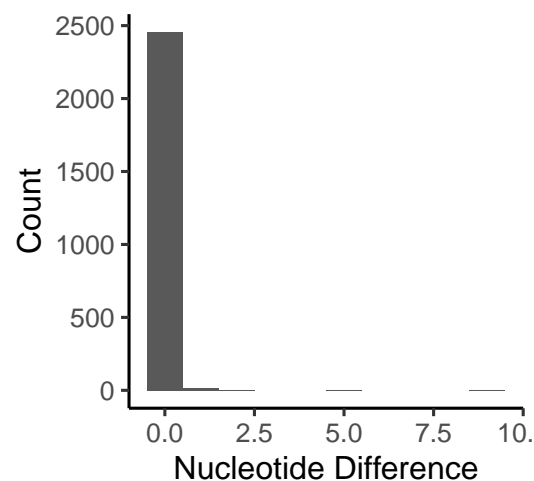
TRBV12-2*ap01

851 sequences assigned
843 (99.1%) exact matches, in which:
823 unique CDR3
13 unique J



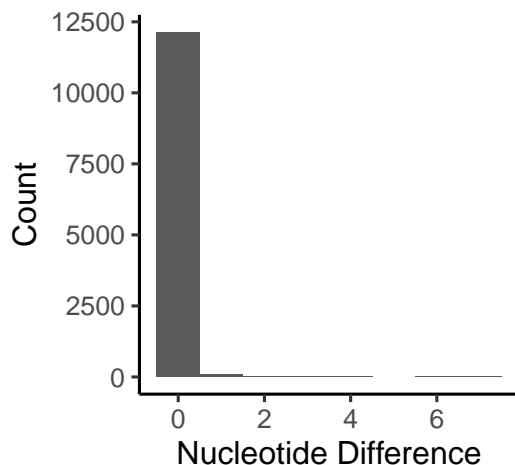
TRBV23-1*ap01

2477 sequences assigned
2456 (99.2%) exact matches, in which:
2397 unique CDR3
13 unique J



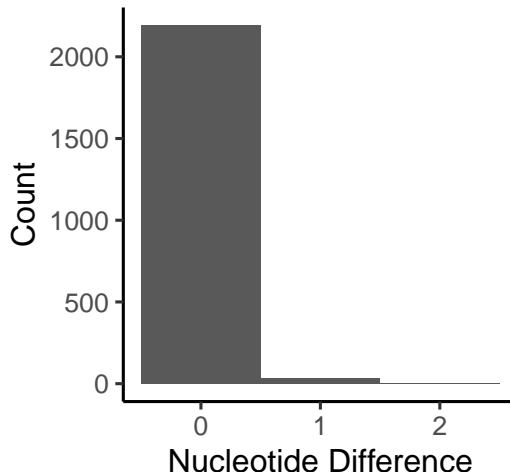
TRBV3–12*ap01

12236 sequences assigned
12137 (99.2%) exact matches, in which:
11928 unique CDR3
13 unique J



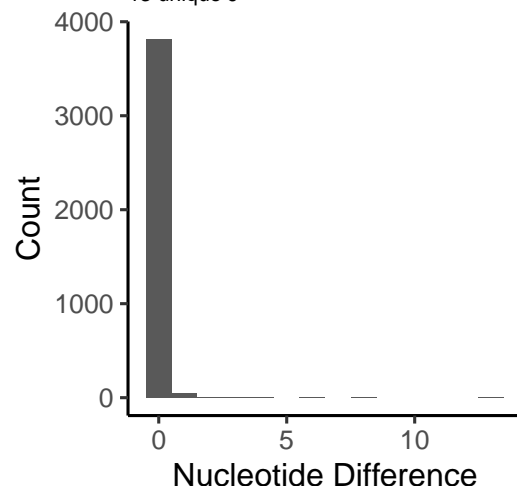
TRBV4–2*ap01

2225 sequences assigned
2192 (98.5%) exact matches, in which:
2121 unique CDR3
13 unique J



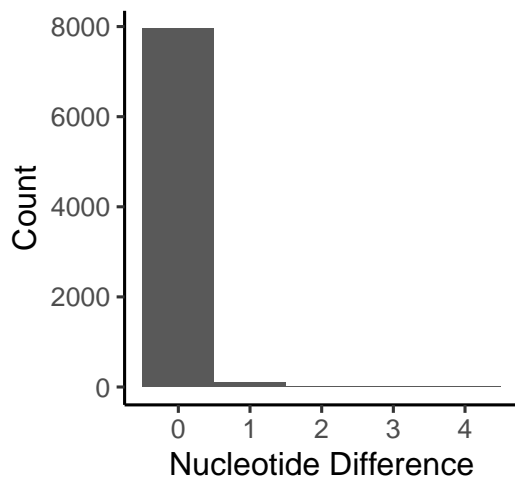
TRBV25–1*ap01

3878 sequences assigned
3812 (98.3%) exact matches, in which:
3708 unique CDR3
13 unique J



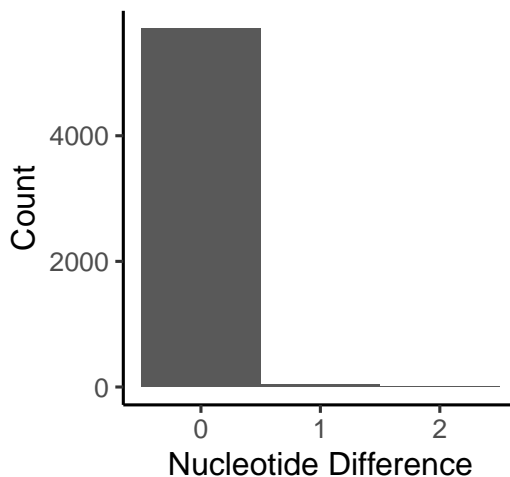
TRBV4–1*ap01

8051 sequences assigned
7952 (98.8%) exact matches, in which:
7699 unique CDR3
13 unique J



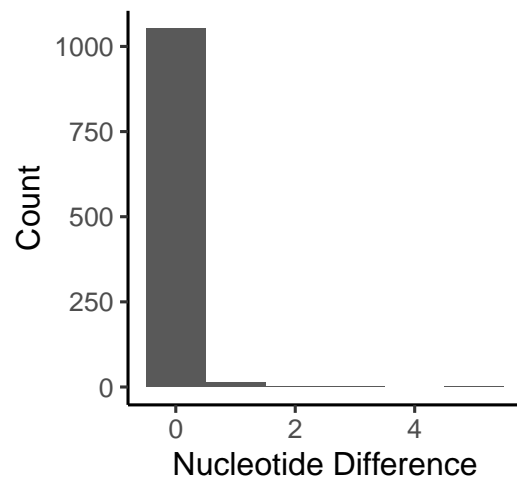
TRBV4–3*ap01

5748 sequences assigned
5704 (99.2%) exact matches, in which:
5528 unique CDR3
13 unique J



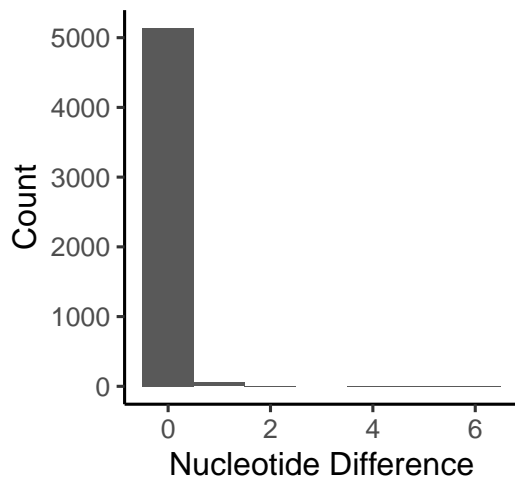
TRBV5–3*ap01

1070 sequences assigned
1052 (98.3%) exact matches, in which:
1027 unique CDR3
13 unique J



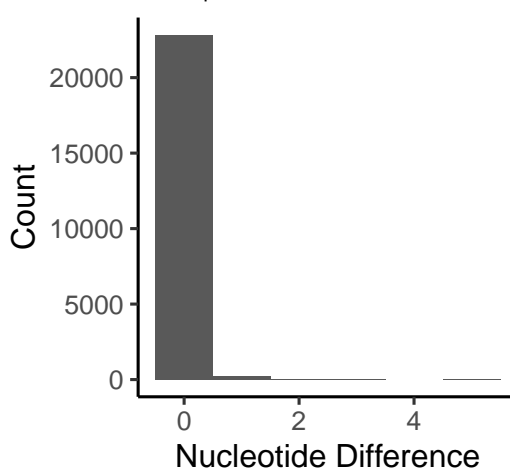
TRBV24–1*ap01

5198 sequences assigned
5138 (98.8%) exact matches, in which:
5008 unique CDR3
13 unique J



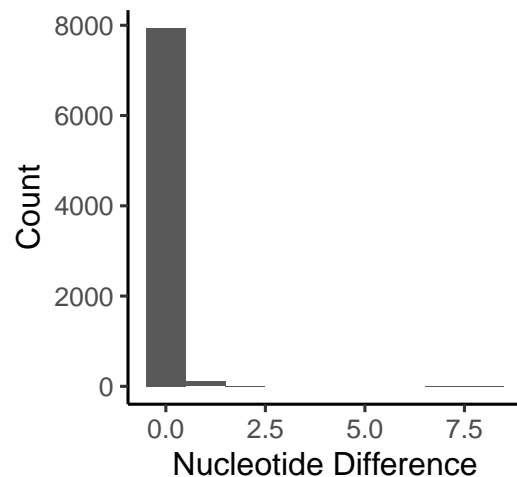
TRBV5–1*ap01

23093 sequences assigned
22838 (98.9%) exact matches, in which:
22208 unique CDR3
13 unique J



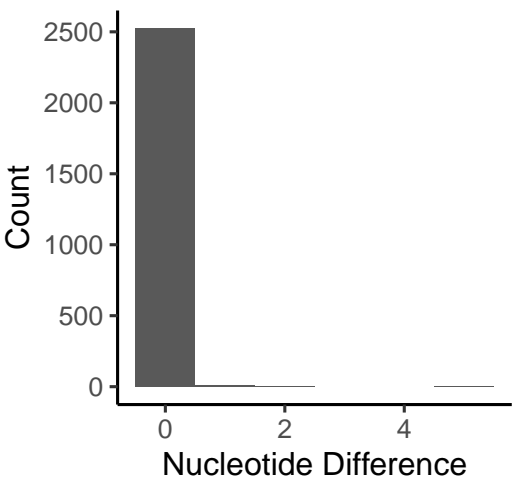
TRBV5–4*ap01

8053 sequences assigned
7939 (98.6%) exact matches, in which:
7715 unique CDR3
13 unique J



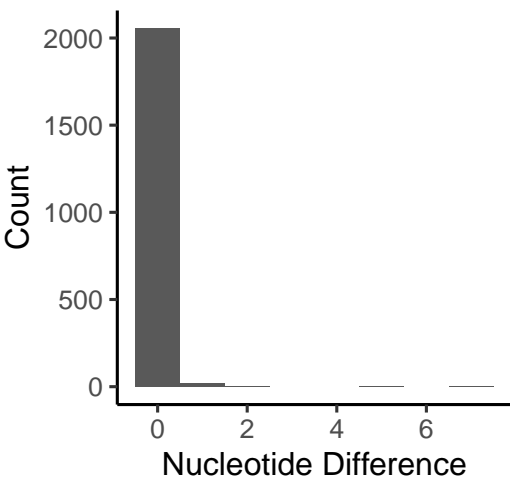
TRBV5-5*ap01

2538 sequences assigned
2524 (99.4%) exact matches, in which:
2508 unique CDR3
13 unique J



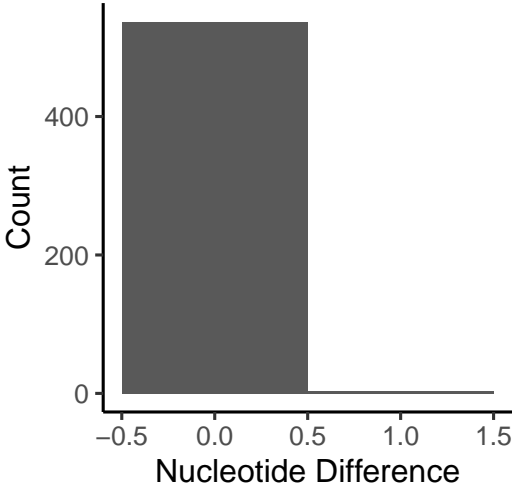
TRBV5-8*ap01

2080 sequences assigned
2055 (98.8%) exact matches, in which:
2019 unique CDR3
13 unique J



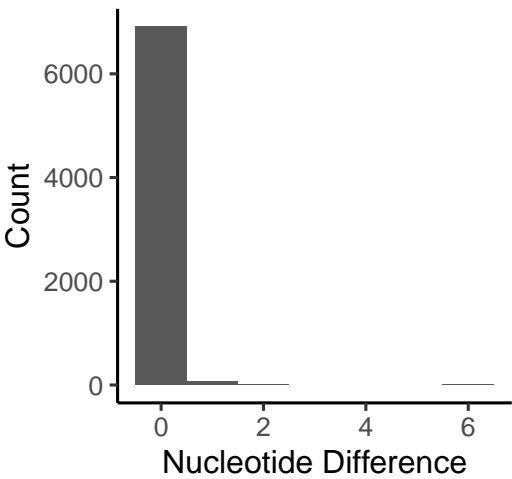
TRBV6-7*ap01

541 sequences assigned
537 (99.3%) exact matches, in which:
515 unique CDR3
13 unique J



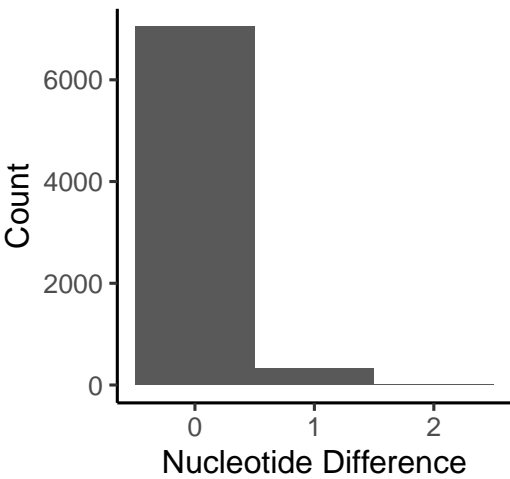
TRBV5-6*ap01

6986 sequences assigned
6908 (98.9%) exact matches, in which:
6660 unique CDR3
13 unique J



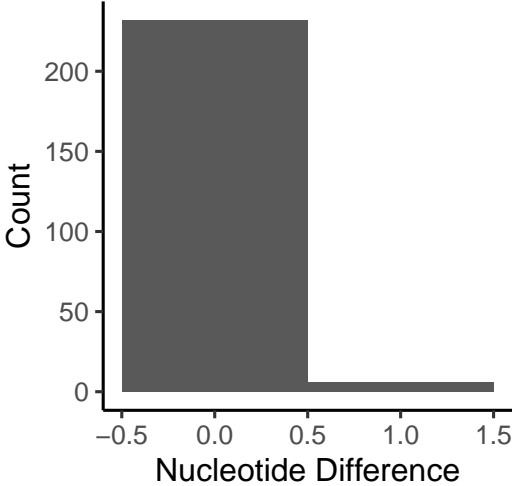
TRBV6-1*ap01

7360 sequences assigned
7043 (95.7%) exact matches, in which:
6860 unique CDR3
13 unique J



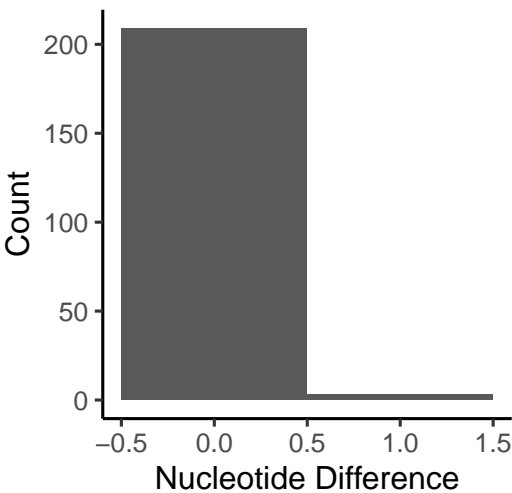
TRBV6-8*ap01

238 sequences assigned
232 (97.5%) exact matches, in which:
225 unique CDR3
13 unique J



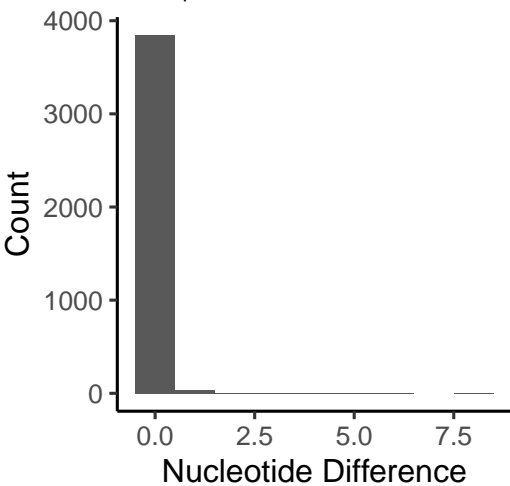
TRBV5-7*ap01

212 sequences assigned
209 (98.6%) exact matches, in which:
201 unique CDR3
13 unique J



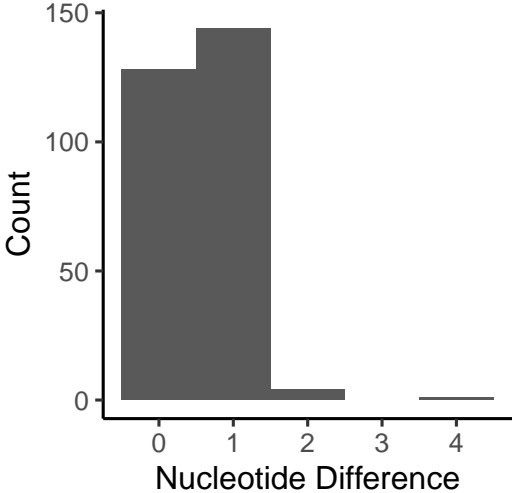
TRBV6-4*ap01

3899 sequences assigned
3846 (98.6%) exact matches, in which:
3759 unique CDR3
13 unique J



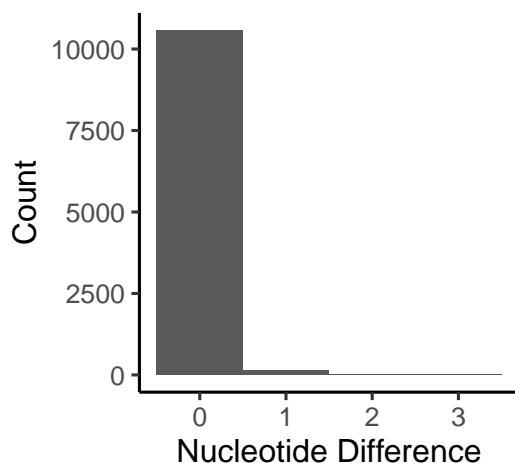
TRBV6-9*ap01

277 sequences assigned
128 (46.2%) exact matches, in which:
124 unique CDR3
13 unique J



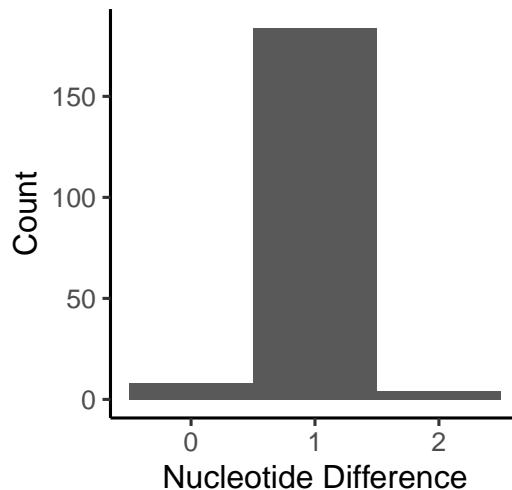
TRBV6-23*ap01

10710 sequences assigned
10579 (98.8%) exact matches, in which:
10230 unique CDR3
13 unique J



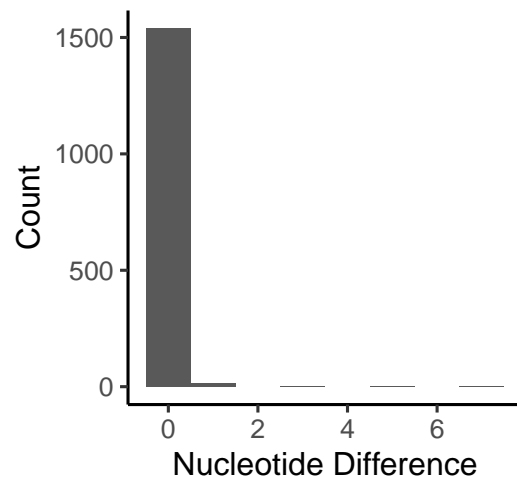
TRBV7-1*ap01_T296C

196 sequences assigned
8 (4.1%) exact matches, in which:
8 unique CDR3
6 unique J



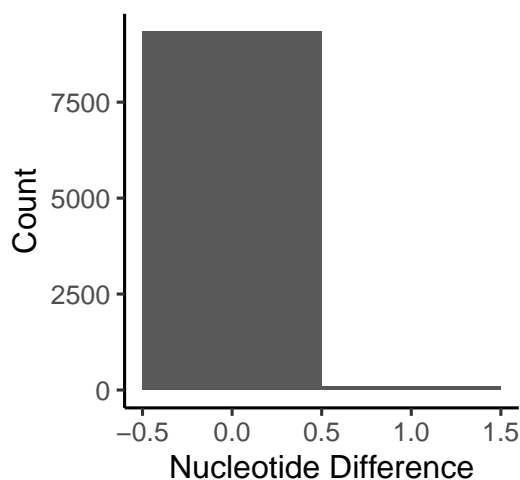
TRBV7-3*ap02

1557 sequences assigned
1539 (98.8%) exact matches, in which:
1513 unique CDR3
13 unique J



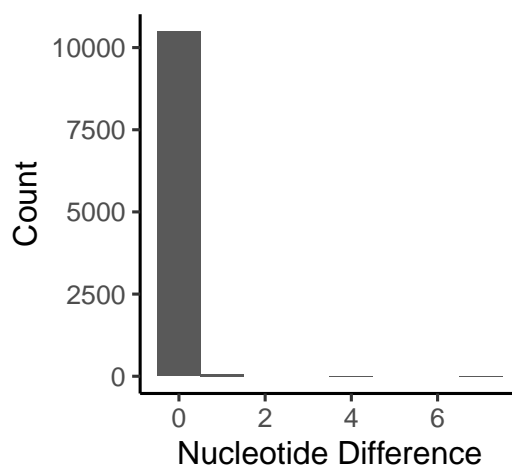
TRBV6-56*ap01

9437 sequences assigned
9336 (98.9%) exact matches, in which:
9057 unique CDR3
13 unique J



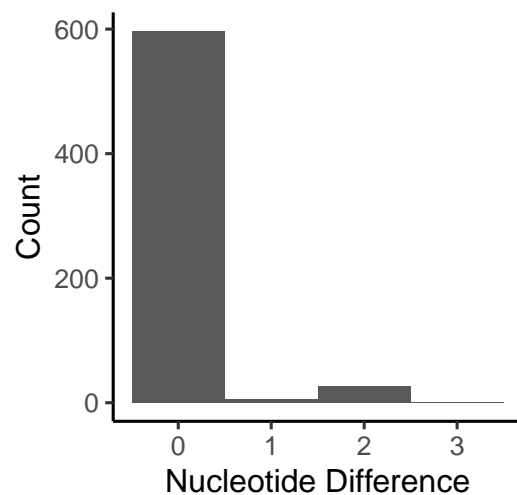
TRBV7-2*ap01

10557 sequences assigned
10490 (99.4%) exact matches, in which:
10238 unique CDR3
13 unique J



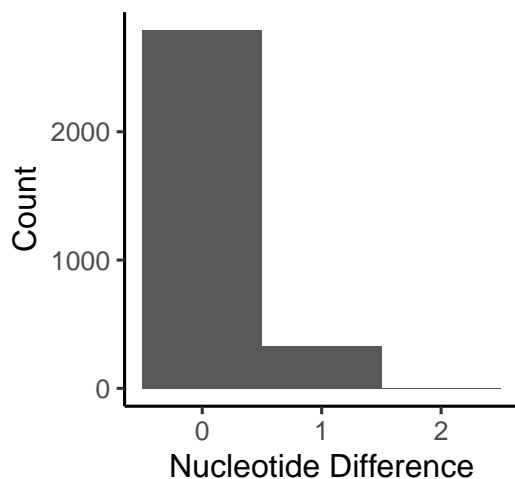
TRBV7-4*ap01

629 sequences assigned
597 (94.9%) exact matches, in which:
584 unique CDR3
13 unique J



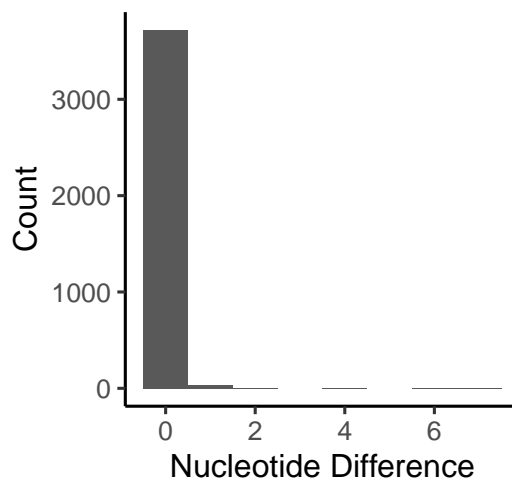
TRBV6-56*ap02

3123 sequences assigned
2793 (89.4%) exact matches, in which:
2700 unique CDR3
13 unique J



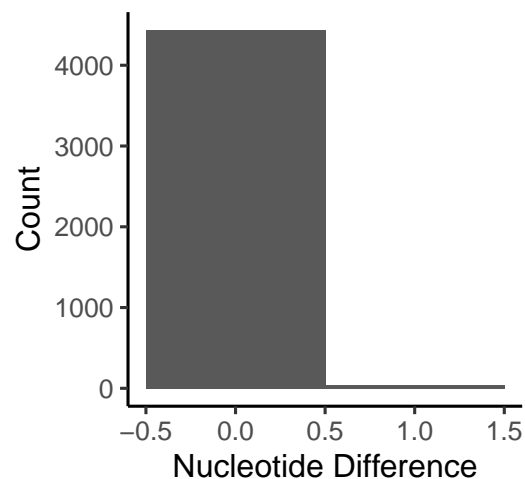
TRBV7-3*ap01

3761 sequences assigned
3719 (98.9%) exact matches, in which:
3657 unique CDR3
13 unique J



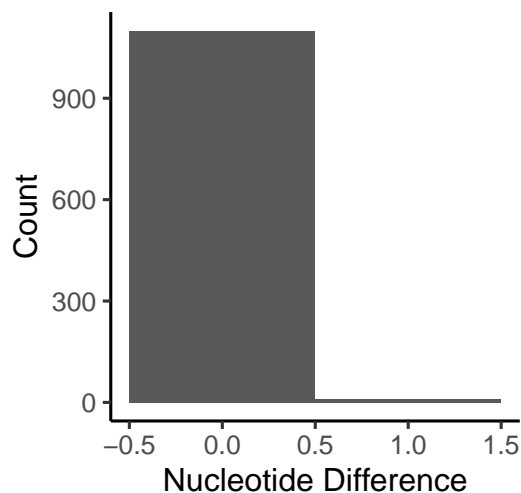
TRBV7-6*ap01

4481 sequences assigned
4436 (99%) exact matches, in which:
4314 unique CDR3
13 unique J



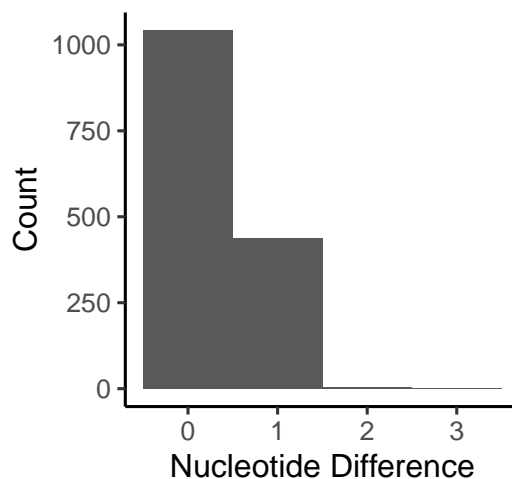
TRBV7-7*ap01

1109 sequences assigned
1100 (99.2%) exact matches, in which:
1066 unique CDR3
13 unique J



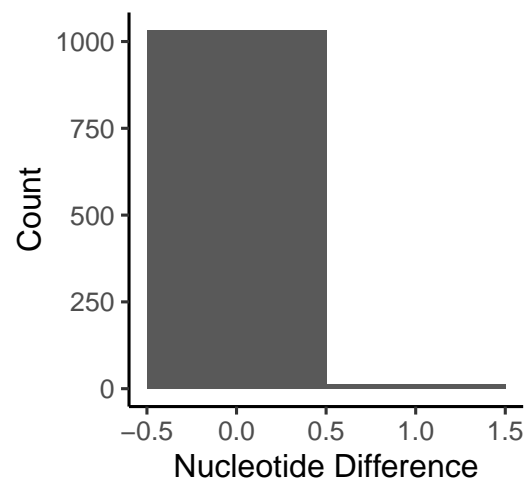
TRBV7-8*ap03

1485 sequences assigned
1042 (70.2%) exact matches, in which:
1020 unique CDR3
13 unique J



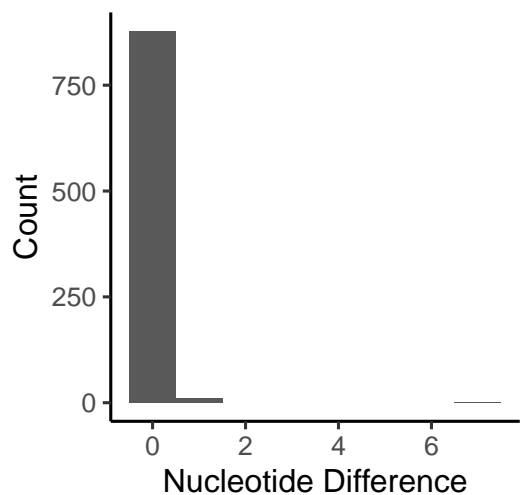
TRBV29-1*ap02

1046 sequences assigned
1032 (98.7%) exact matches, in which:
994 unique CDR3
13 unique J



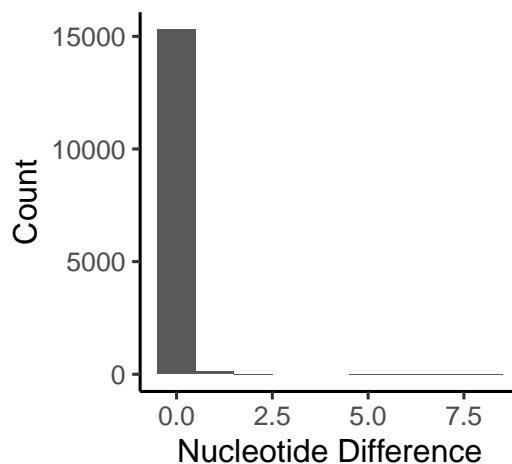
TRBV7-7*ap01_C315T

890 sequences assigned
878 (98.7%) exact matches, in which:
856 unique CDR3
13 unique J



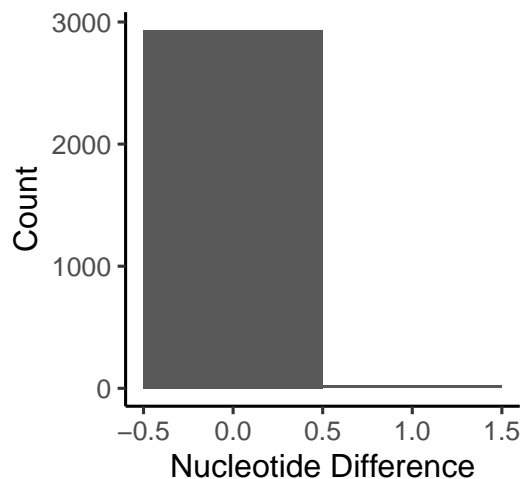
TRBV7-9*ap01

15436 sequences assigned
15304 (99.1%) exact matches, in which:
14937 unique CDR3
13 unique J



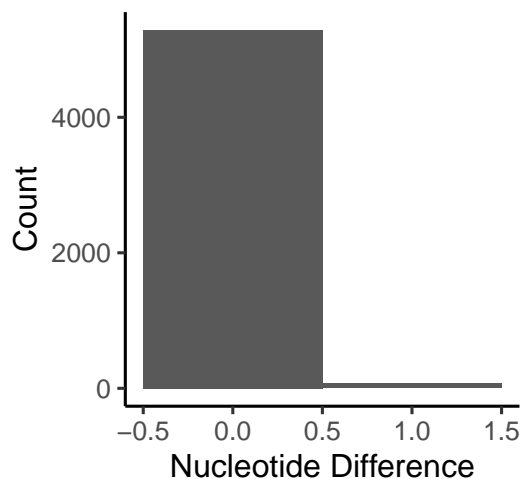
TRBV7-8*ap01

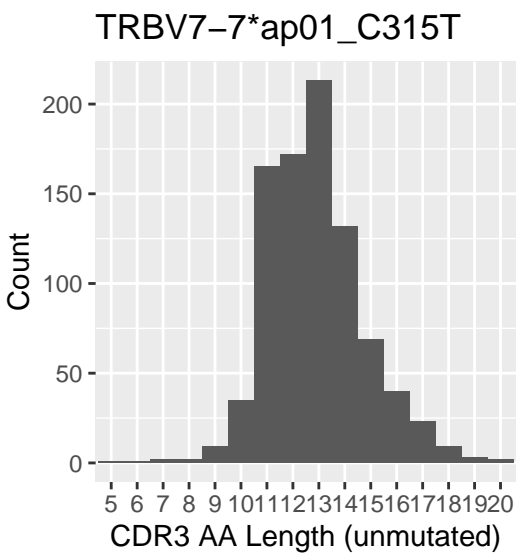
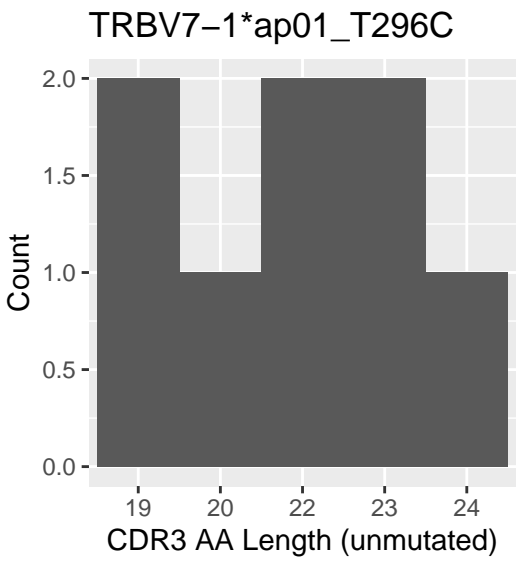
2956 sequences assigned
2934 (99.3%) exact matches, in which:
2852 unique CDR3
13 unique J



TRBV29-1*ap01

5358 sequences assigned
5288 (98.7%) exact matches, in which:
5108 unique CDR3
13 unique J







Warning – no inferred sequences found.

Warning – no inferred sequences found.