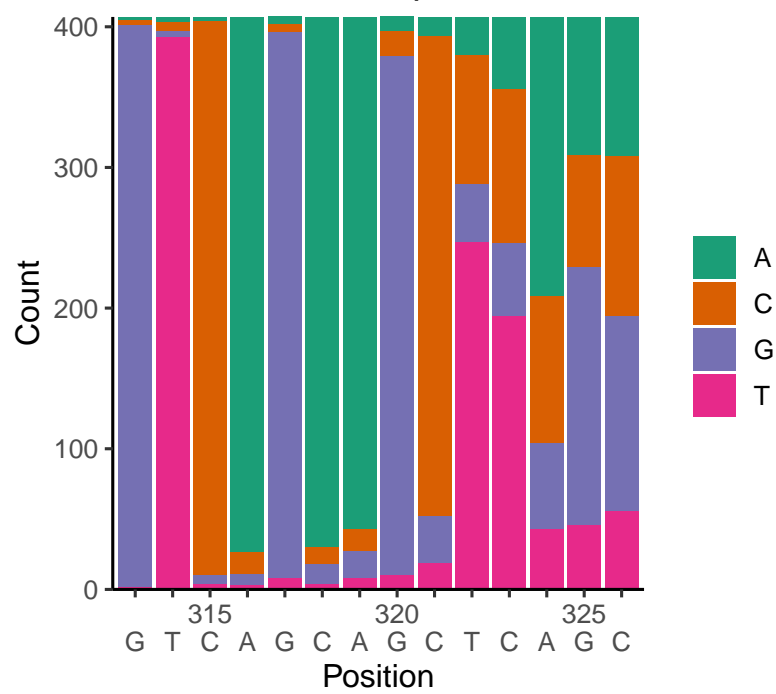
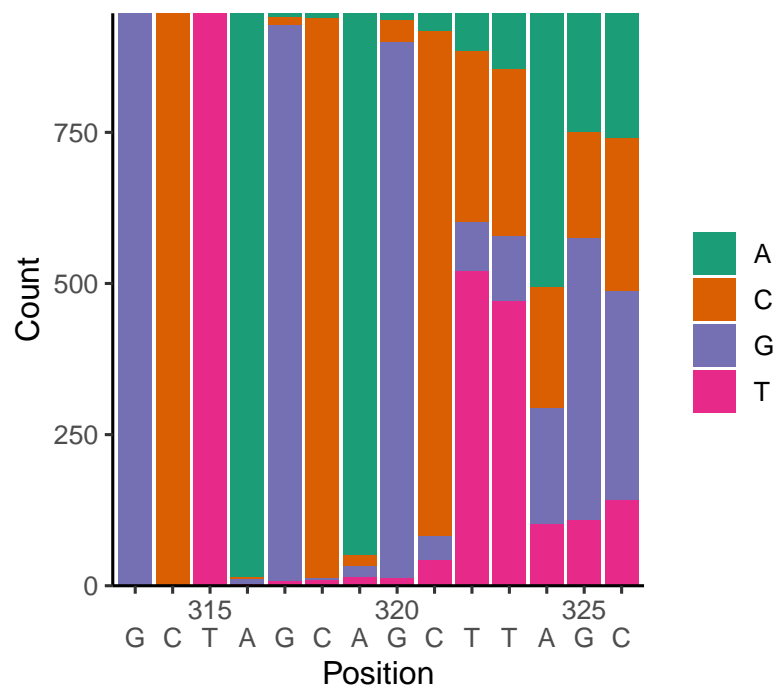


Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-7*ap01_C315T



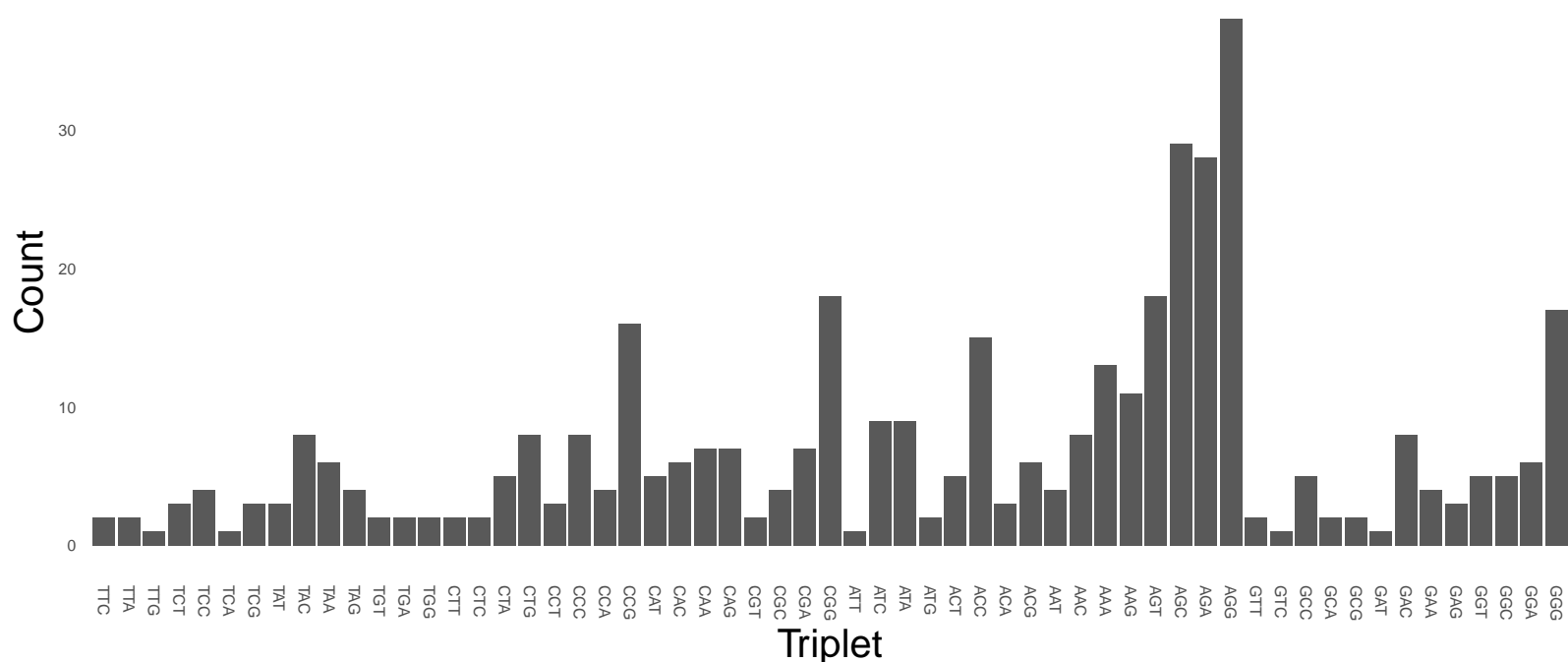
Gene TRBV7-1*ap01_G291C_T296C_C314T



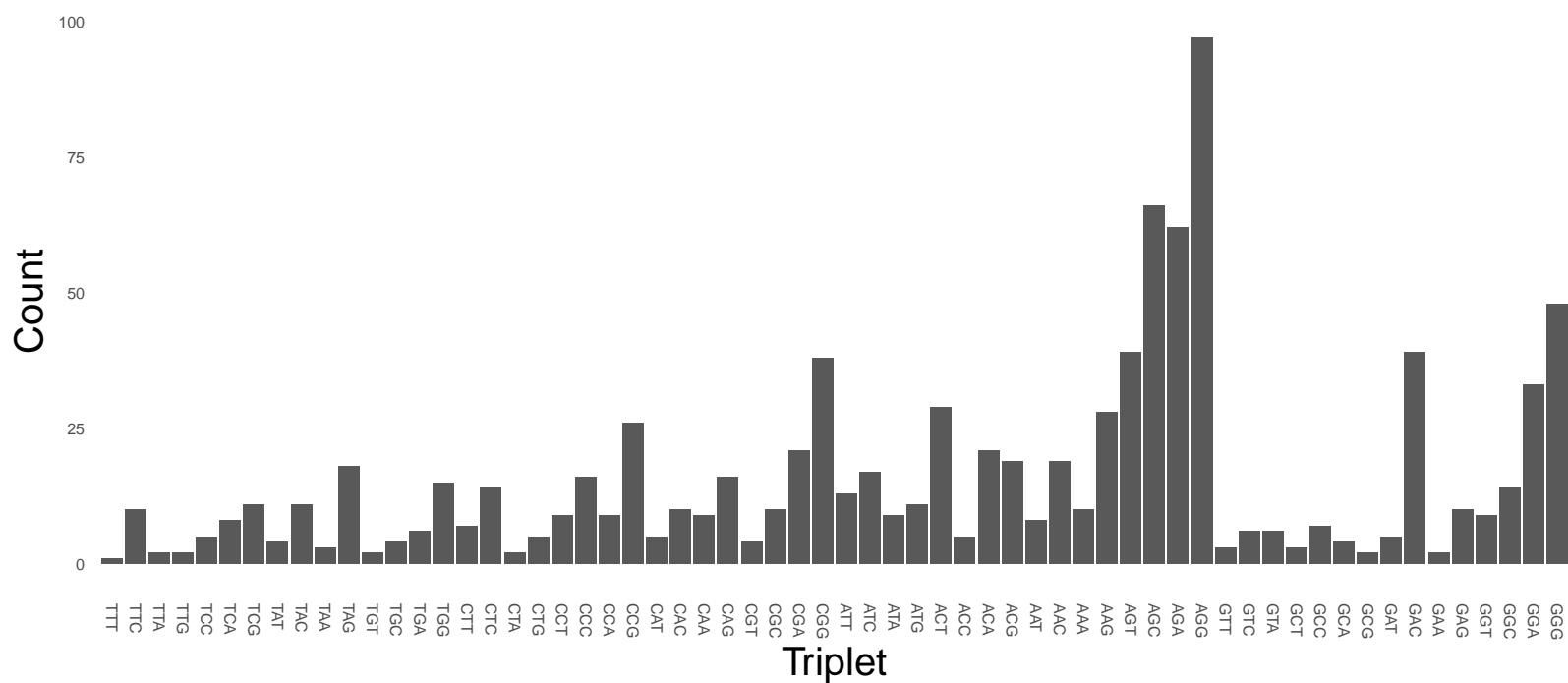
Gene TRBV7-7*ap01_C315T



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

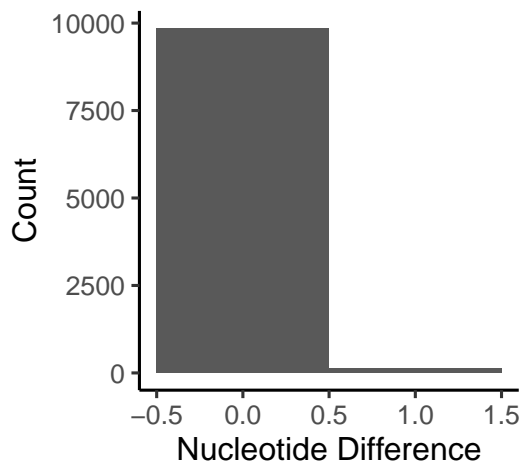


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



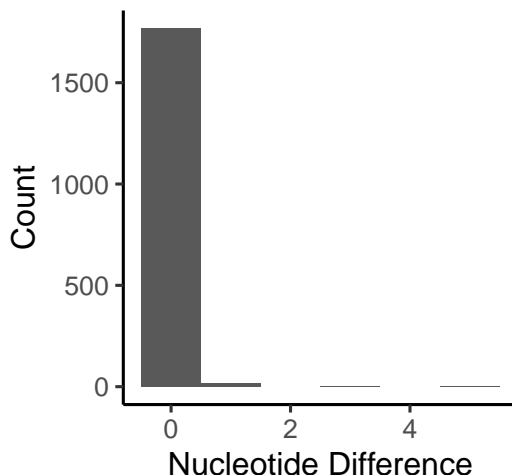
TRBV20-1*ap01

9977 sequences assigned
9855 (98.8%) exact matches, in which:
9749 unique CDR3
14 unique J



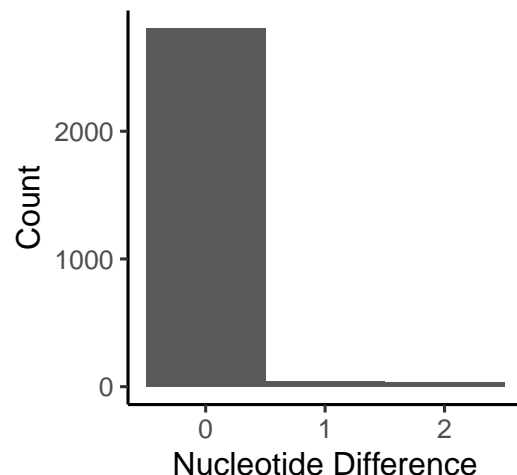
TRBV10-2*ap01

1787 sequences assigned
1768 (98.9%) exact matches, in which:
1743 unique CDR3
14 unique J



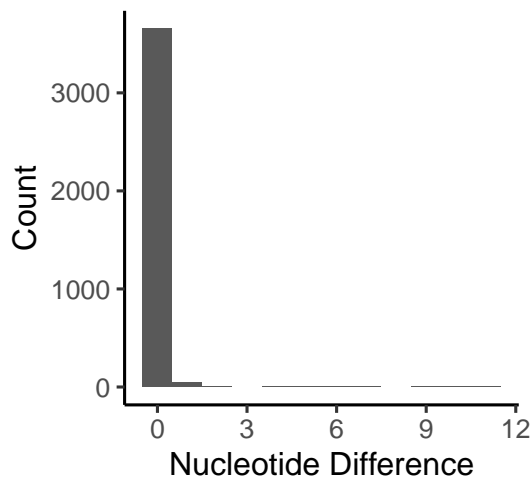
TRBV13*ap01

2884 sequences assigned
2805 (97.3%) exact matches, in which:
2755 unique CDR3
14 unique J



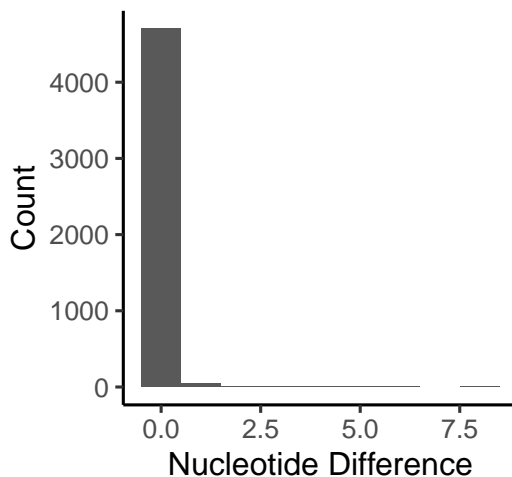
TRBV10-1*ap01

3714 sequences assigned
3654 (98.4%) exact matches, in which:
3581 unique CDR3
14 unique J



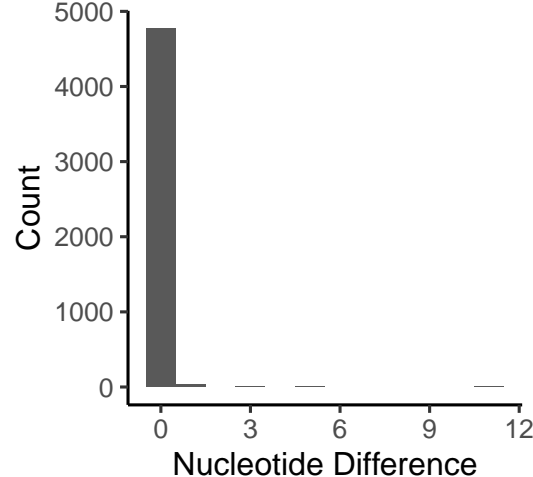
TRBV10-3*ap01

4760 sequences assigned
4702 (98.8%) exact matches, in which:
4623 unique CDR3
14 unique J



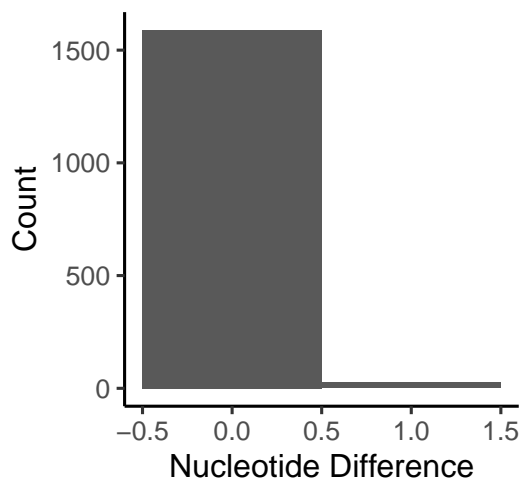
TRBV14*ap01

4808 sequences assigned
4769 (99.2%) exact matches, in which:
4718 unique CDR3
14 unique J



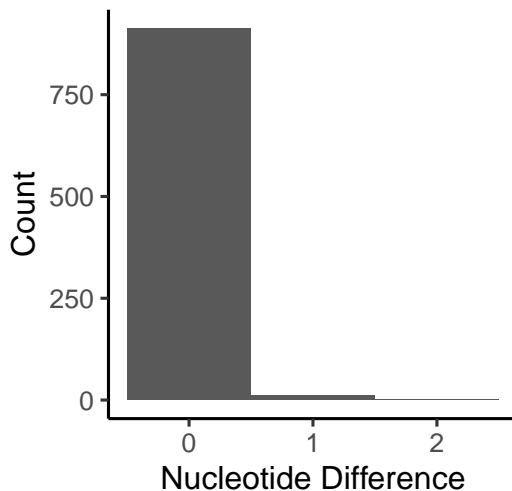
TRBV20-1*ap02

1615 sequences assigned
1589 (98.4%) exact matches, in which:
1563 unique CDR3
14 unique J



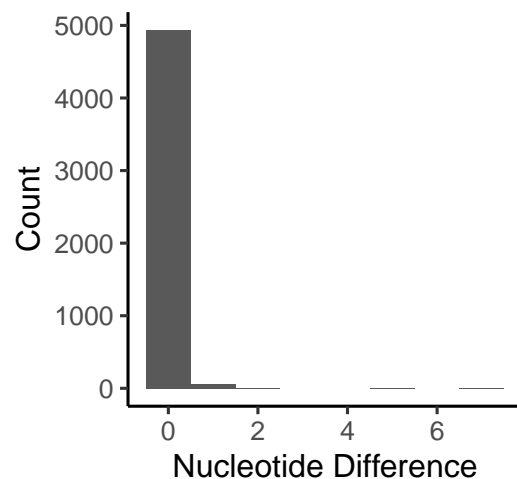
TRBV1*ap01

925 sequences assigned
913 (98.7%) exact matches, in which:
892 unique CDR3
14 unique J



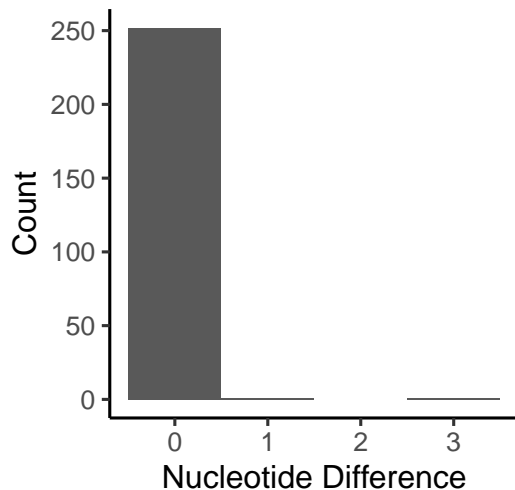
TRBV15*ap02

5000 sequences assigned
4936 (98.7%) exact matches, in which:
4849 unique CDR3
14 unique J



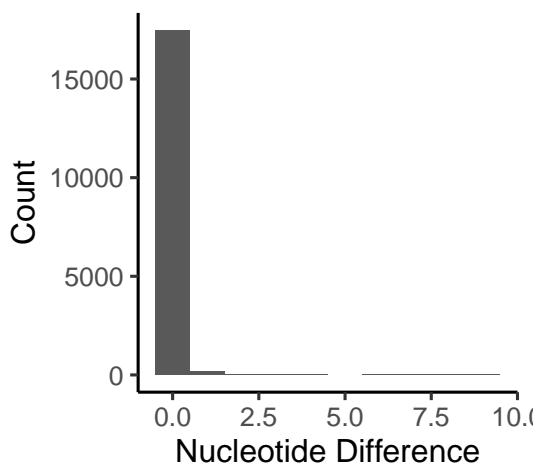
TRBV16*ap01

254 sequences assigned
252 (99.2%) exact matches, in which:
250 unique CDR3
14 unique J



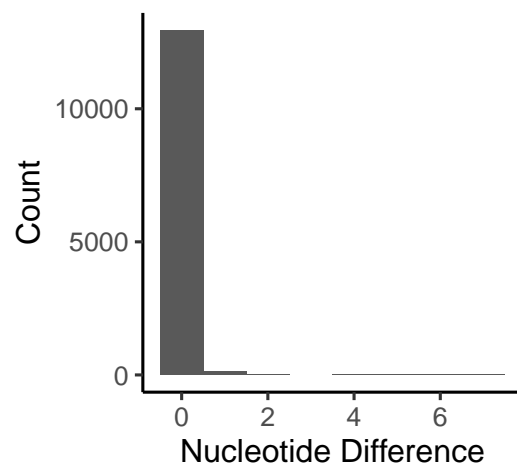
TRBV19*ap01

17671 sequences assigned
17476 (98.9%) exact matches, in which:
17324 unique CDR3
14 unique J



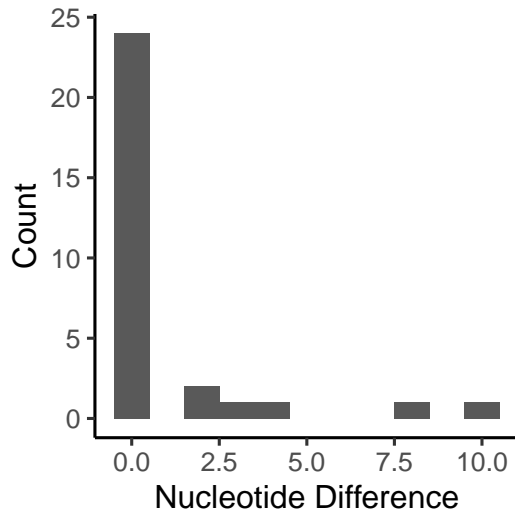
TRBV28*ap01

13096 sequences assigned
12954 (98.9%) exact matches, in which:
12748 unique CDR3
14 unique J



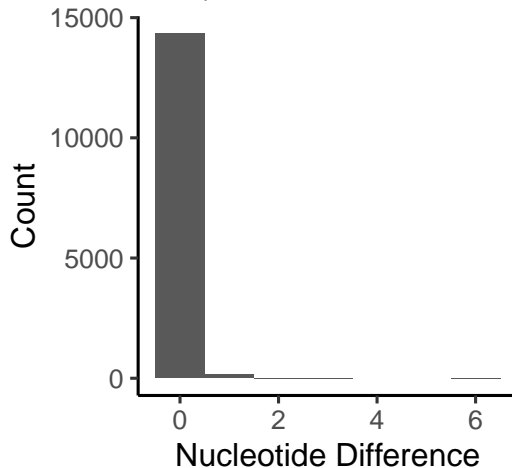
TRBV17*ap01

30 sequences assigned
24 (80%) exact matches, in which:
24 unique CDR3
11 unique J



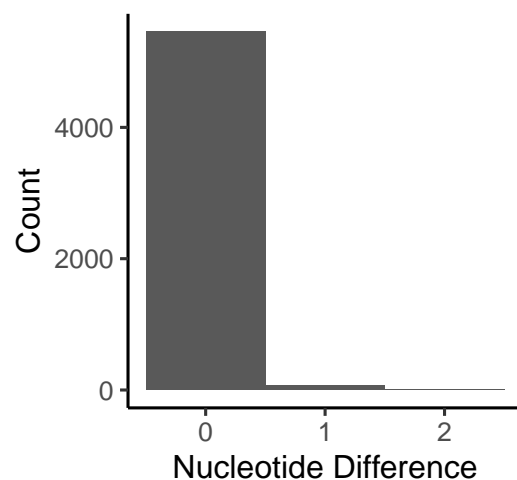
TRBV2*ap01

14517 sequences assigned
14341 (98.8%) exact matches, in which:
14100 unique CDR3
14 unique J



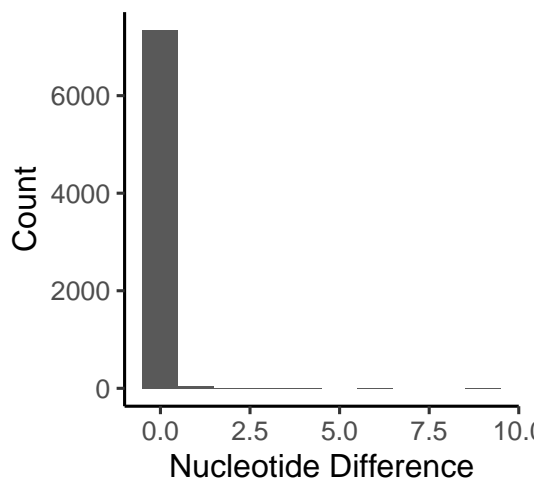
TRBV30*ap01

5530 sequences assigned
5457 (98.7%) exact matches, in which:
5379 unique CDR3
14 unique J



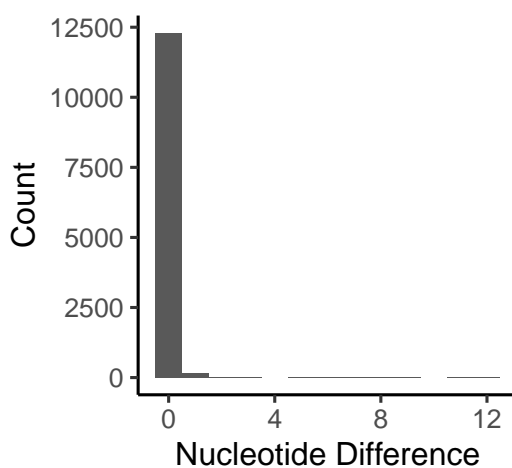
TRBV18*ap01

7403 sequences assigned
7345 (99.2%) exact matches, in which:
7289 unique CDR3
14 unique J



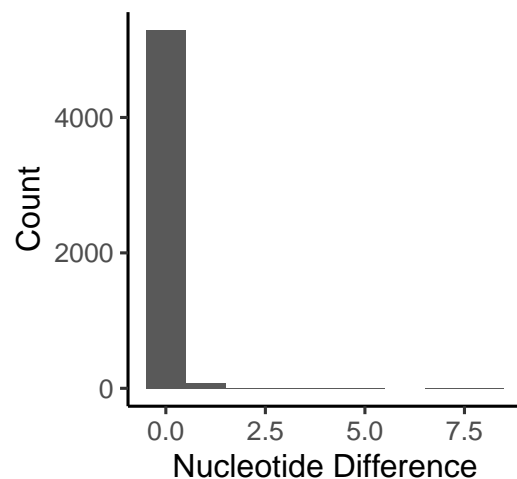
TRBV27*ap01

12489 sequences assigned
12301 (98.5%) exact matches, in which:
12096 unique CDR3
14 unique J



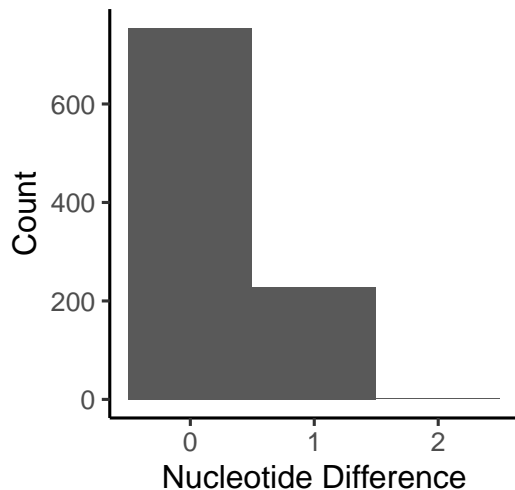
TRBV30*ap02

5381 sequences assigned
5291 (98.3%) exact matches, in which:
5255 unique CDR3
13 unique J



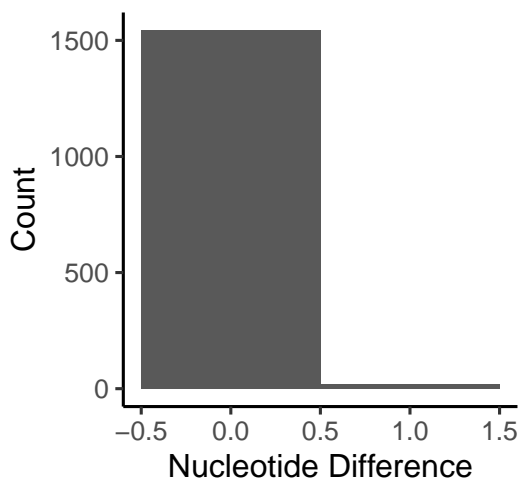
TRBV30*ap03

986 sequences assigned
755 (76.6%) exact matches, in which:
746 unique CDR3
13 unique J



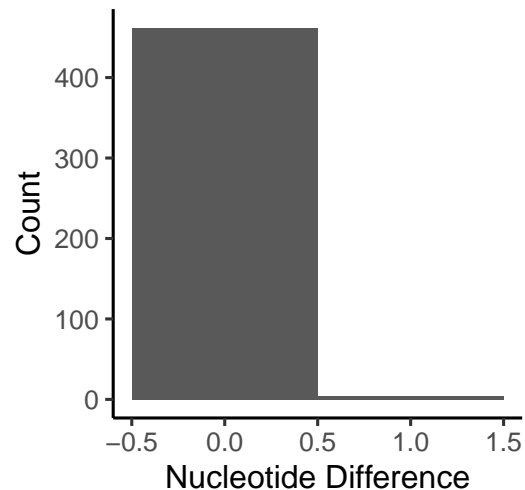
TRBV11-1*ap01

1561 sequences assigned
1543 (98.8%) exact matches, in which:
1524 unique CDR3
14 unique J



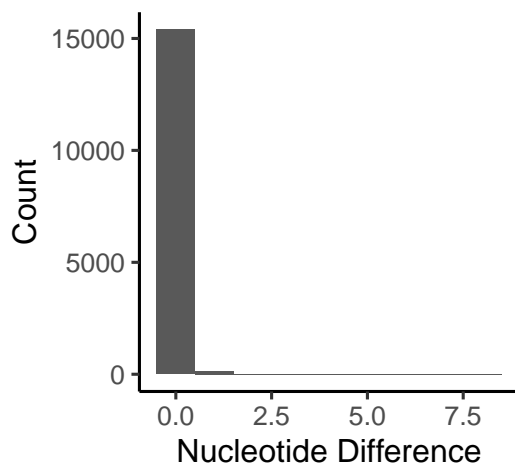
TRBV12-1*ap01

466 sequences assigned
462 (99.1%) exact matches, in which:
451 unique CDR3
14 unique J



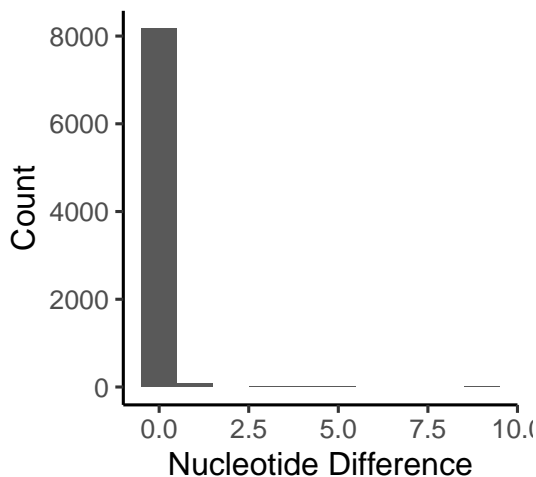
TRBV9*ap01

15564 sequences assigned
15402 (99%) exact matches, in which:
15219 unique CDR3
14 unique J



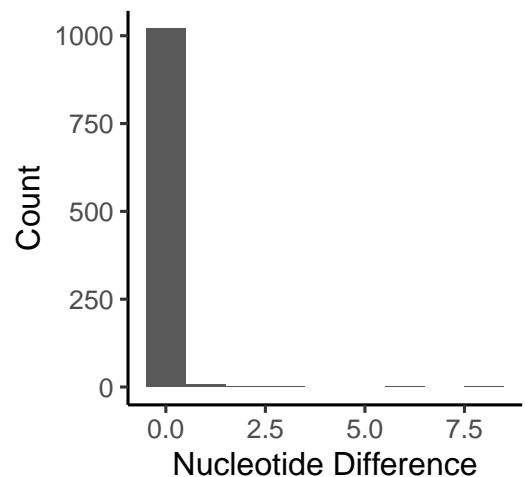
TRBV11-2*ap01

8243 sequences assigned
8167 (99.1%) exact matches, in which:
8036 unique CDR3
14 unique J



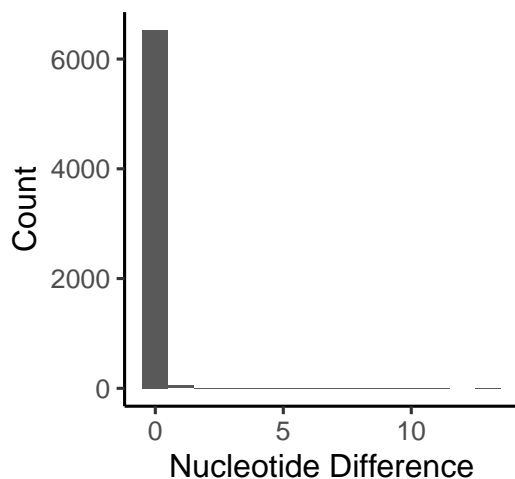
TRBV12-2*ap01

1030 sequences assigned
1020 (99%) exact matches, in which:
1005 unique CDR3
14 unique J



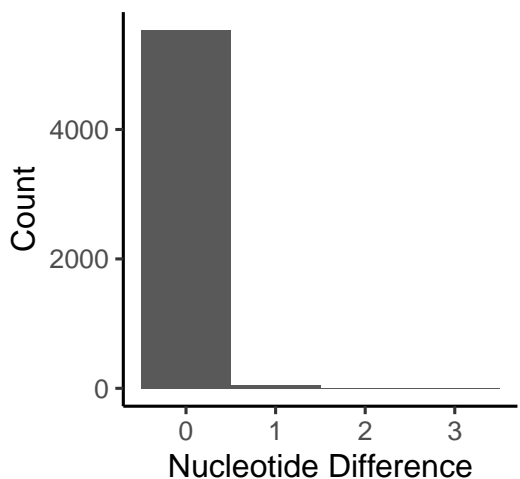
TRBV21-1*ap01

6610 sequences assigned
6528 (98.8%) exact matches, in which:
6446 unique CDR3
14 unique J



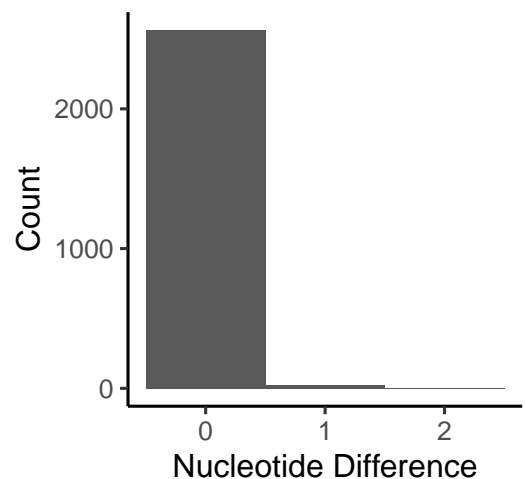
TRBV11-3*ap01

5589 sequences assigned
5537 (99.1%) exact matches, in which:
5484 unique CDR3
14 unique J



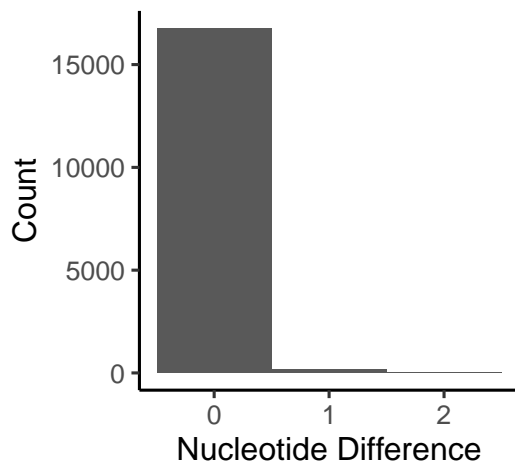
TRBV12-5*ap01

2592 sequences assigned
2564 (98.9%) exact matches, in which:
2516 unique CDR3
14 unique J



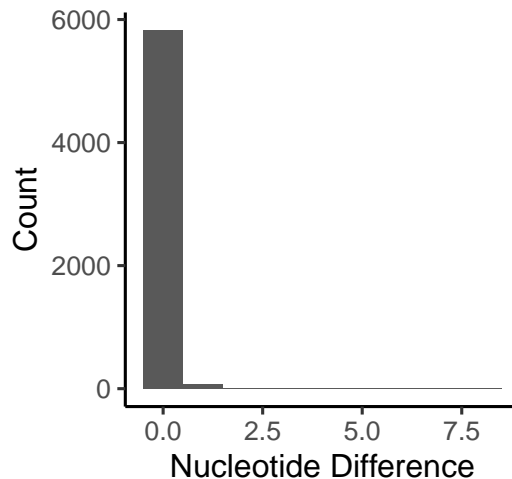
TRBV12-34*ap01

16953 sequences assigned
16773 (98.9%) exact matches, in which:
16549 unique CDR3
14 unique J



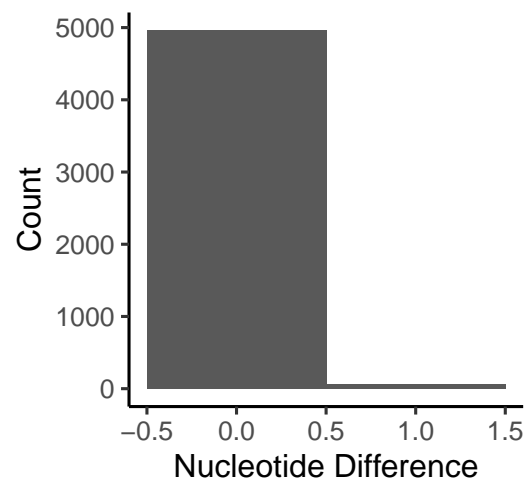
TRBV24-1*ap01

5905 sequences assigned
5823 (98.6%) exact matches, in which:
5751 unique CDR3
14 unique J



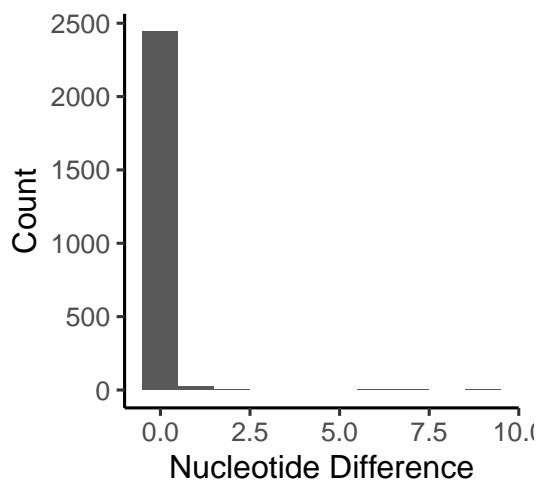
TRBV4-3*ap01

5018 sequences assigned
4961 (98.9%) exact matches, in which:
4921 unique CDR3
14 unique J



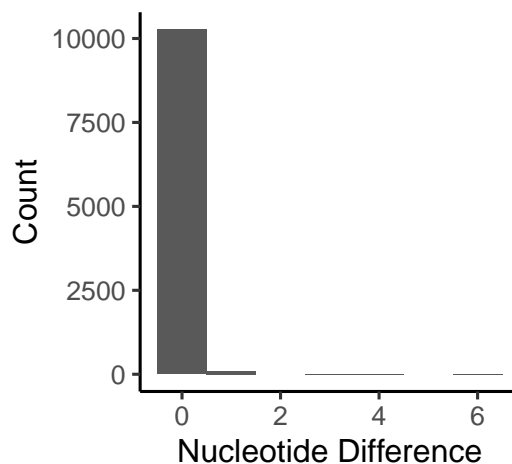
TRBV23-1*ap01

2474 sequences assigned
2442 (98.7%) exact matches, in which:
2404 unique CDR3
14 unique J



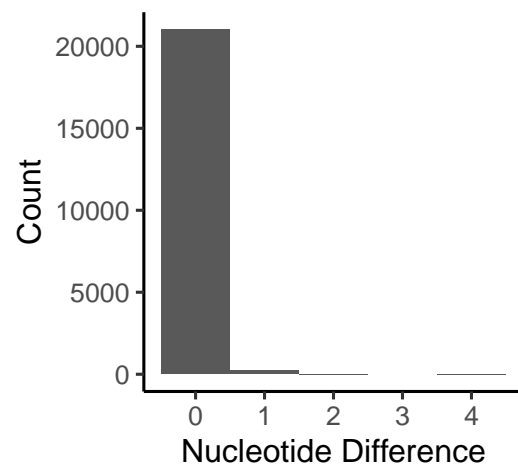
TRBV4-1*ap01

10370 sequences assigned
10269 (99%) exact matches, in which:
10096 unique CDR3
14 unique J



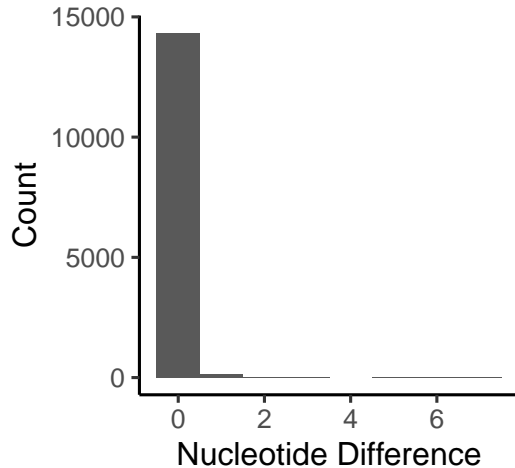
TRBV5-1*ap01

21272 sequences assigned
21027 (98.8%) exact matches, in which:
20621 unique CDR3
15 unique J



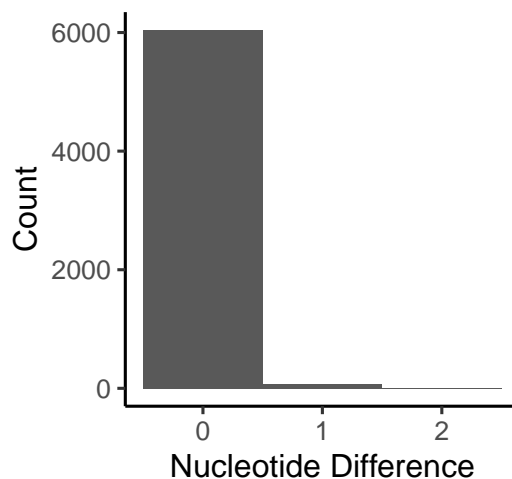
TRBV3-12*ap01

14519 sequences assigned
14339 (98.8%) exact matches, in which:
14111 unique CDR3
14 unique J



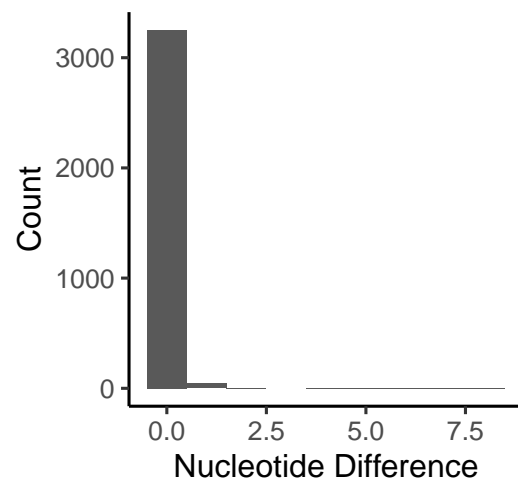
TRBV4-2*ap01

6113 sequences assigned
6042 (98.8%) exact matches, in which:
5986 unique CDR3
14 unique J



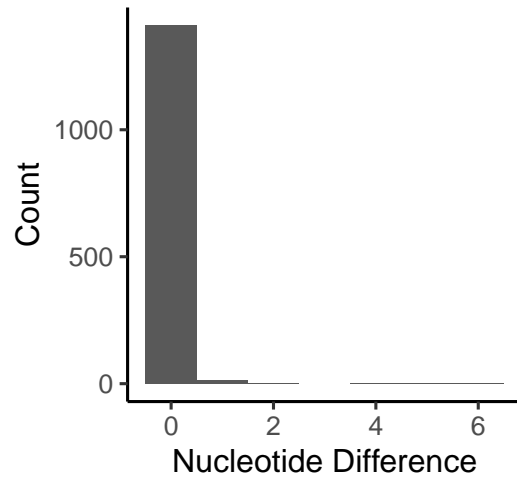
TRBV25-1*ap01

3306 sequences assigned
3251 (98.3%) exact matches, in which:
3206 unique CDR3
14 unique J



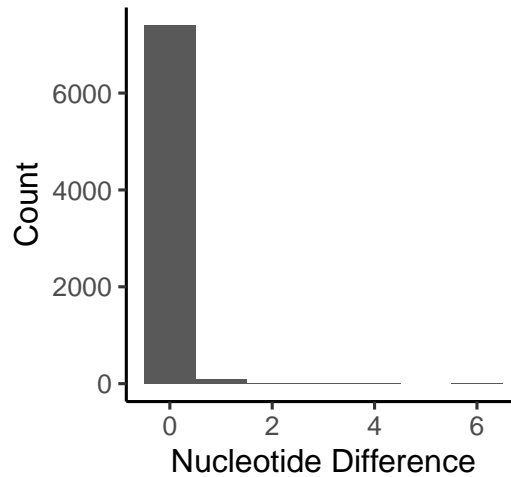
TRBV5-3*ap01

1431 sequences assigned
1411 (98.6%) exact matches, in which:
1398 unique CDR3
14 unique J



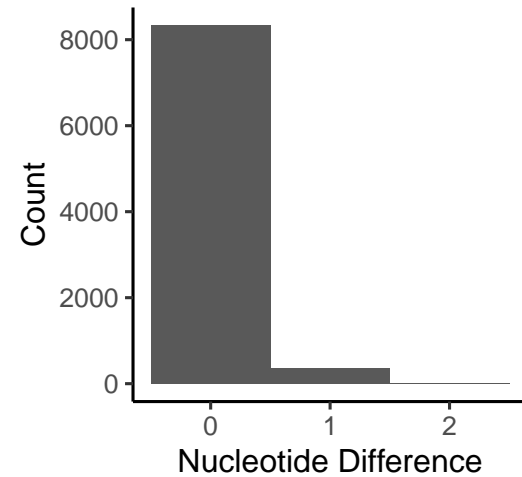
TRBV5-6*ap01

7496 sequences assigned
7397 (98.7%) exact matches, in which:
7268 unique CDR3
14 unique J



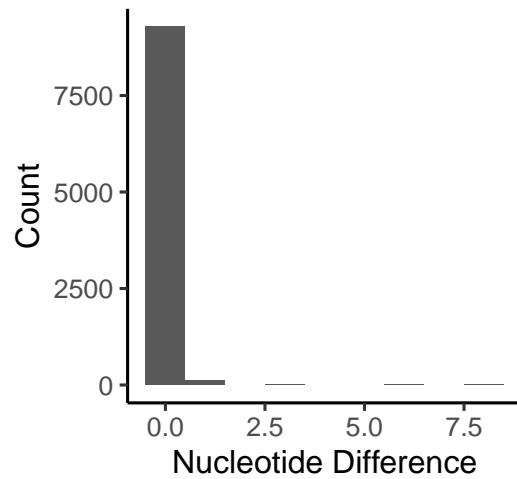
TRBV6-1*ap01

8703 sequences assigned
8332 (95.7%) exact matches, in which:
8195 unique CDR3
14 unique J



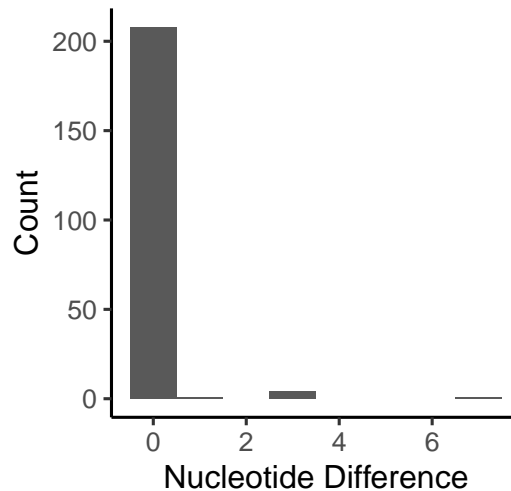
TRBV5-4*ap01

9394 sequences assigned
9283 (98.8%) exact matches, in which:
9126 unique CDR3
14 unique J



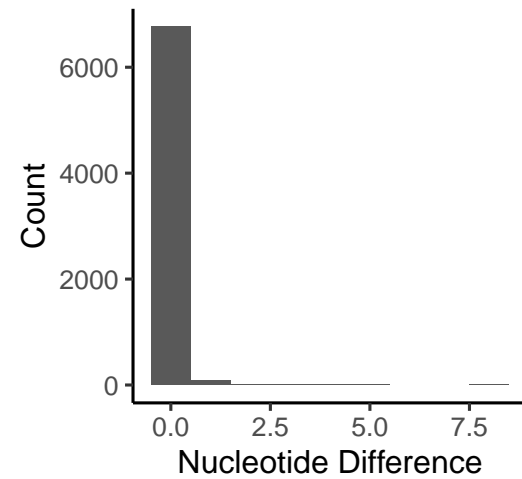
TRBV5-7*ap01

214 sequences assigned
208 (97.2%) exact matches, in which:
205 unique CDR3
14 unique J



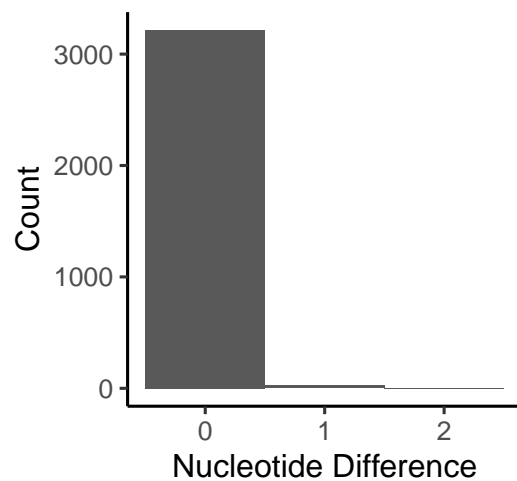
TRBV6-4*ap01

6862 sequences assigned
6765 (98.6%) exact matches, in which:
6679 unique CDR3
14 unique J



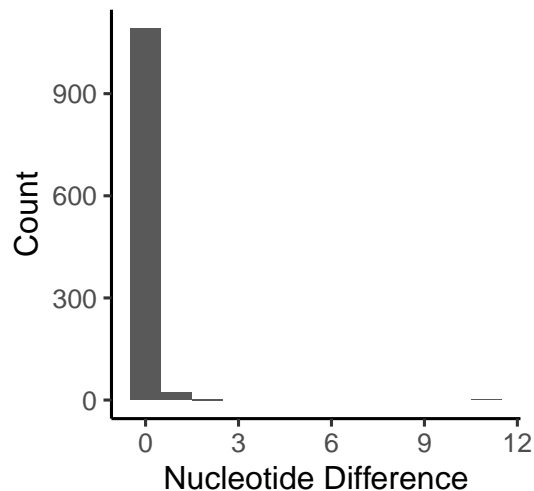
TRBV5-5*ap01

3242 sequences assigned
3216 (99.2%) exact matches, in which:
3191 unique CDR3
14 unique J



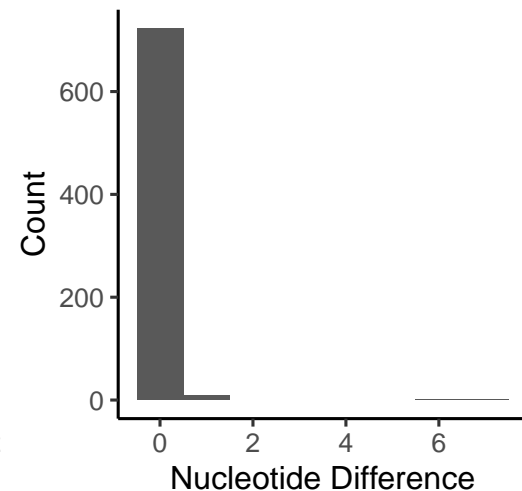
TRBV5-8*ap01

1119 sequences assigned
1092 (97.6%) exact matches, in which:
1082 unique CDR3
13 unique J



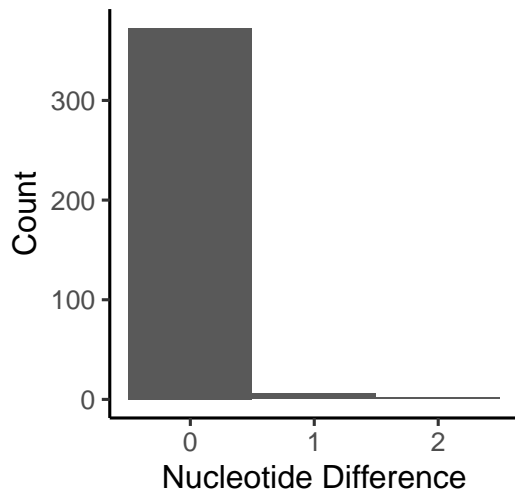
TRBV6-7*ap01

734 sequences assigned
723 (98.5%) exact matches, in which:
712 unique CDR3
14 unique J



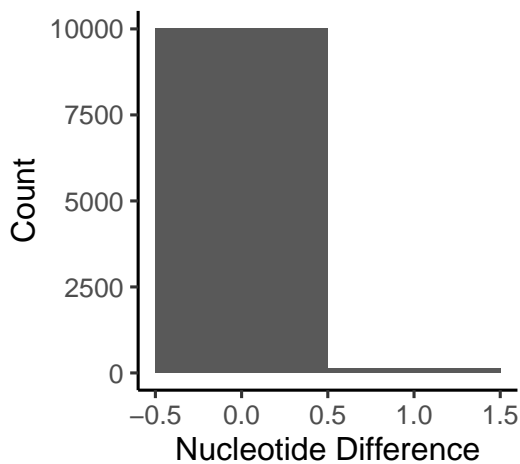
TRBV6-8*ap01

381 sequences assigned
373 (97.9%) exact matches, in which:
366 unique CDR3
14 unique J



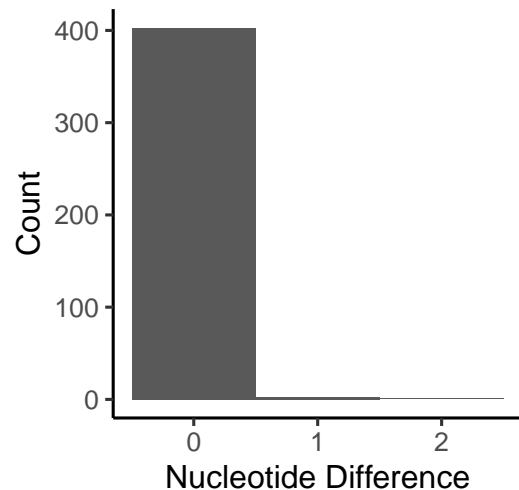
TRBV6-56*ap01

10147 sequences assigned
10022 (98.8%) exact matches, in which:
9846 unique CDR3
14 unique J



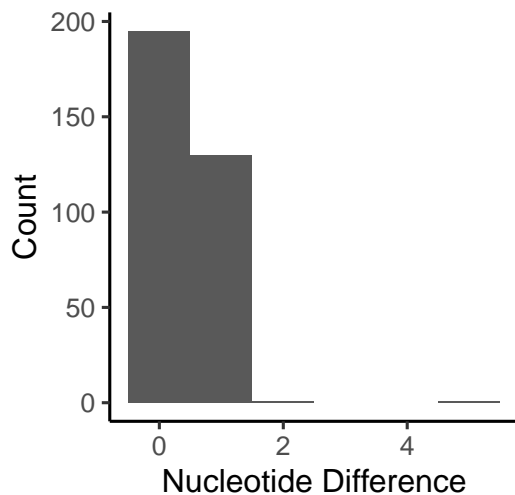
TRBV7-1*ap01_G291C_

407 sequences assigned
403 (99%) exact matches, in which:
395 unique CDR3
14 unique J



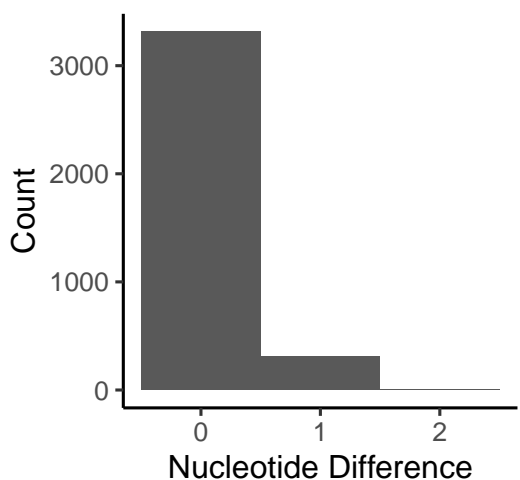
TRBV6-9*ap01

327 sequences assigned
195 (59.6%) exact matches, in which:
192 unique CDR3
14 unique J



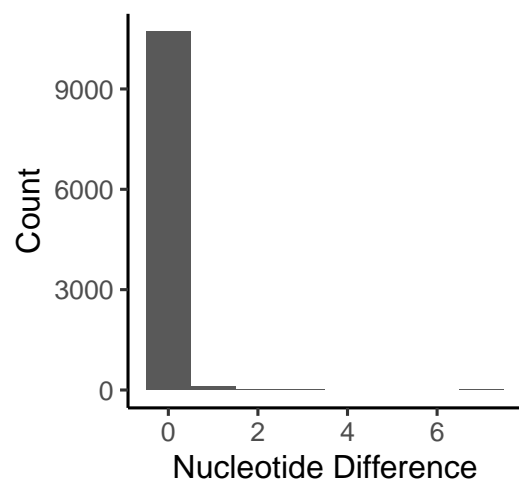
TRBV6-56*ap02

3632 sequences assigned
3314 (91.2%) exact matches, in which:
3256 unique CDR3
14 unique J



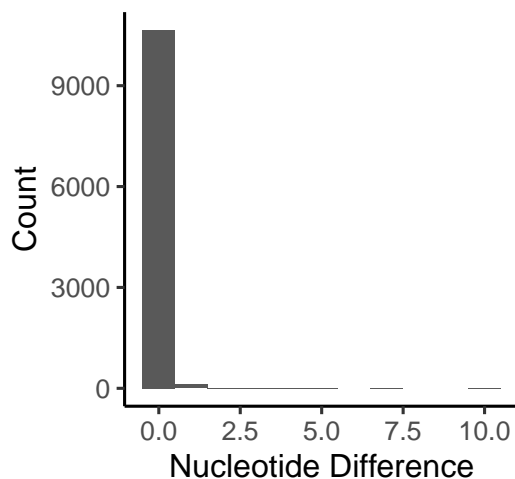
TRBV7-2*ap01

10818 sequences assigned
10711 (99%) exact matches, in which:
10614 unique CDR3
14 unique J



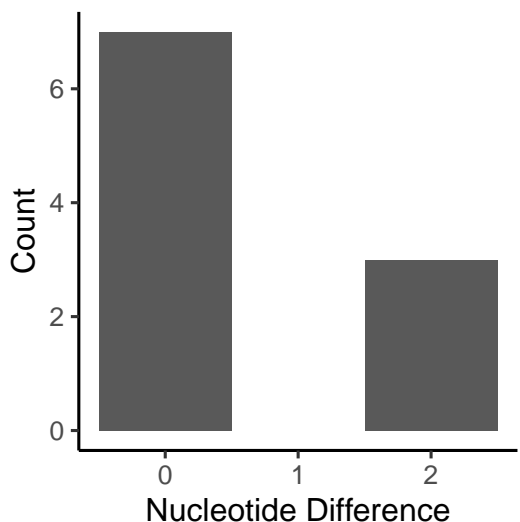
TRBV6-23*ap01

10789 sequences assigned
10654 (98.7%) exact matches, in which:
10469 unique CDR3
14 unique J



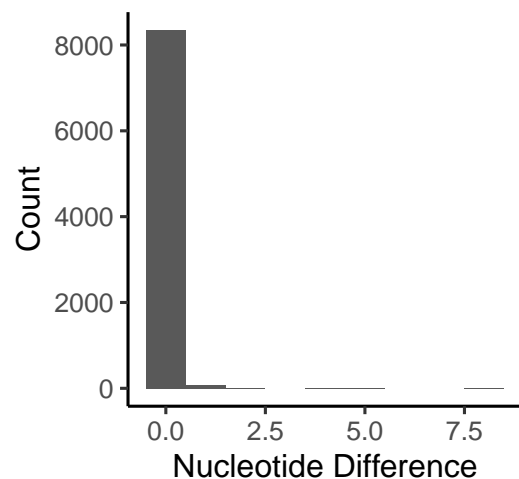
TRBV7-1*ap01

10 sequences assigned
7 (70%) exact matches, in which:
7 unique CDR3
5 unique J



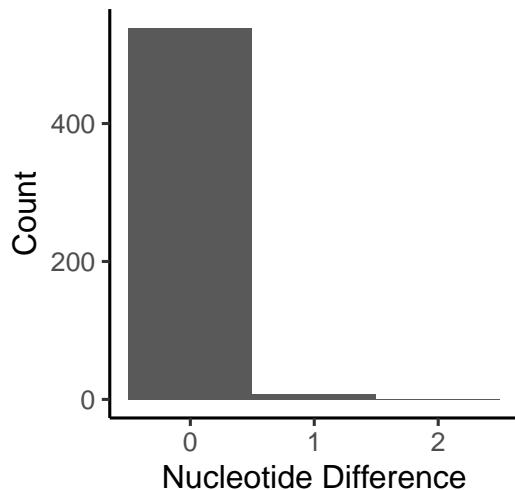
TRBV7-3*ap01

8431 sequences assigned
8348 (99%) exact matches, in which:
8264 unique CDR3
14 unique J



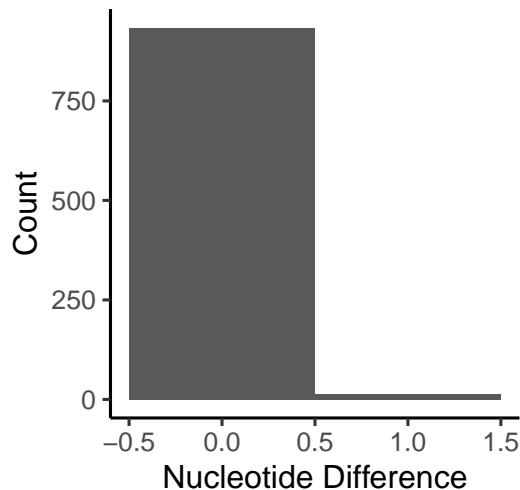
TRBV7-4*ap01

548 sequences assigned
539 (98.4%) exact matches, in which:
534 unique CDR3
14 unique J



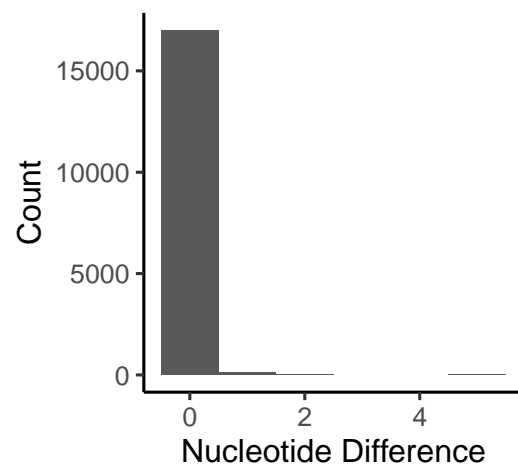
TRBV7-7*ap01_C315T

947 sequences assigned
934 (98.6%) exact matches, in which:
924 unique CDR3
14 unique J



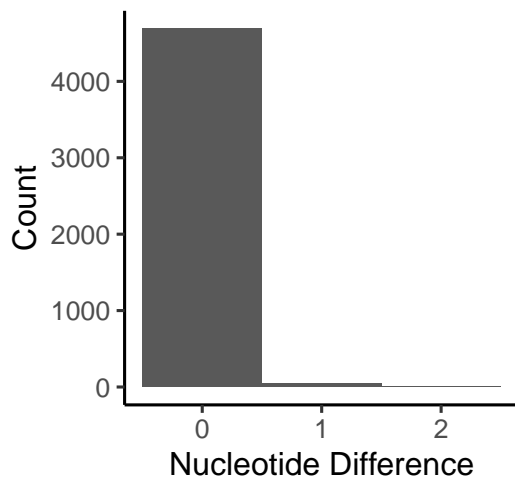
TRBV7-9*ap01

17141 sequences assigned
17009 (99.2%) exact matches, in which:
16808 unique CDR3
14 unique J



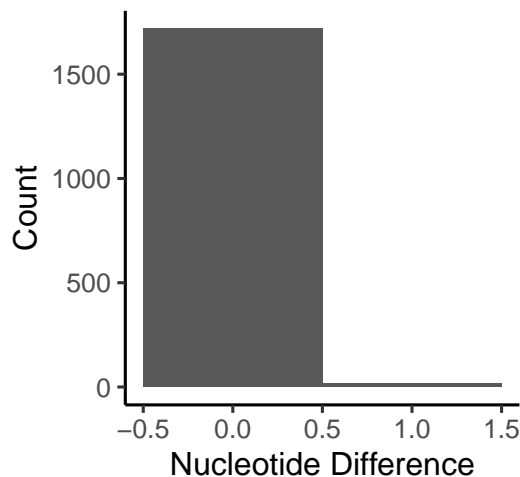
TRBV7-6*ap01

4740 sequences assigned
4689 (98.9%) exact matches, in which:
4614 unique CDR3
14 unique J



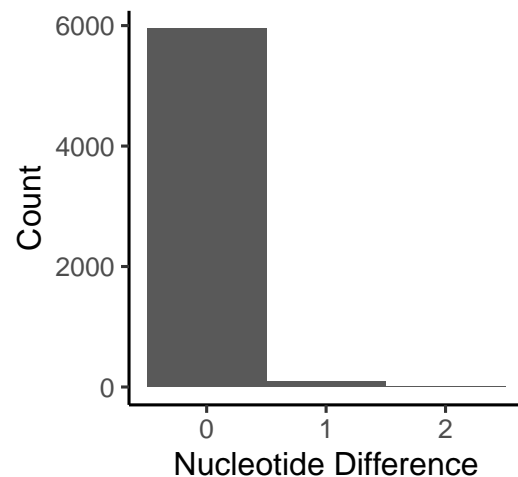
TRBV7-8*ap01

1733 sequences assigned
1718 (99.1%) exact matches, in which:
1699 unique CDR3
14 unique J



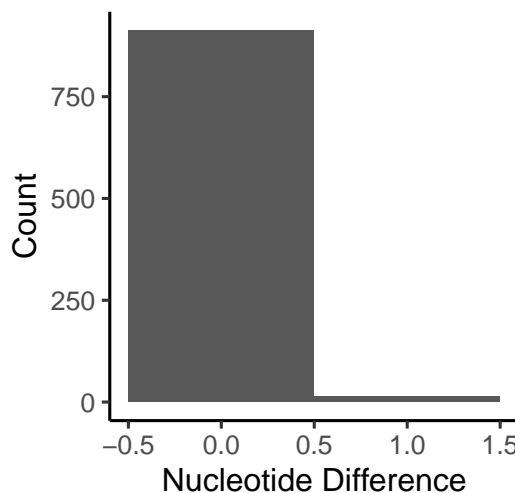
TRBV29-1*ap01

6046 sequences assigned
5948 (98.4%) exact matches, in which:
5839 unique CDR3
14 unique J



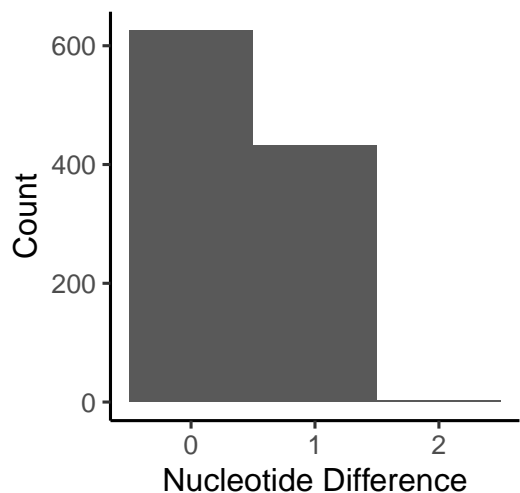
TRBV7-7*ap01

927 sequences assigned
913 (98.5%) exact matches, in which:
903 unique CDR3
14 unique J



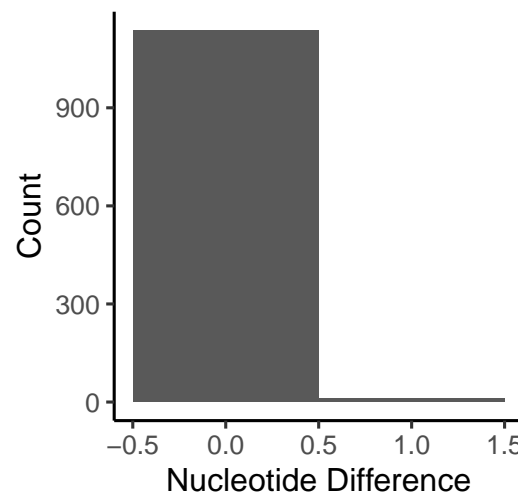
TRBV7-8*ap03

1061 sequences assigned
626 (59%) exact matches, in which:
625 unique CDR3
13 unique J

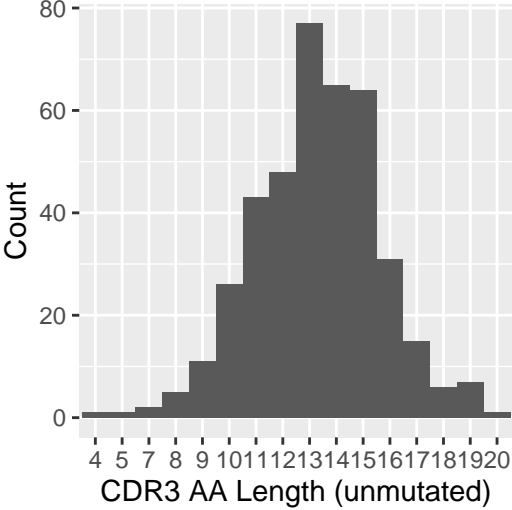


TRBV29-1*ap02

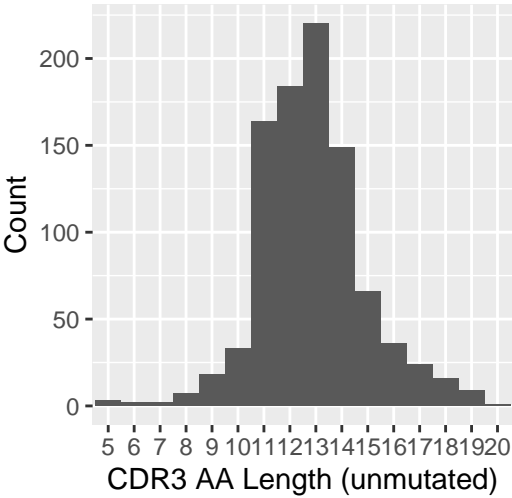
1147 sequences assigned
1137 (99.1%) exact matches, in which:
1120 unique CDR3
14 unique J

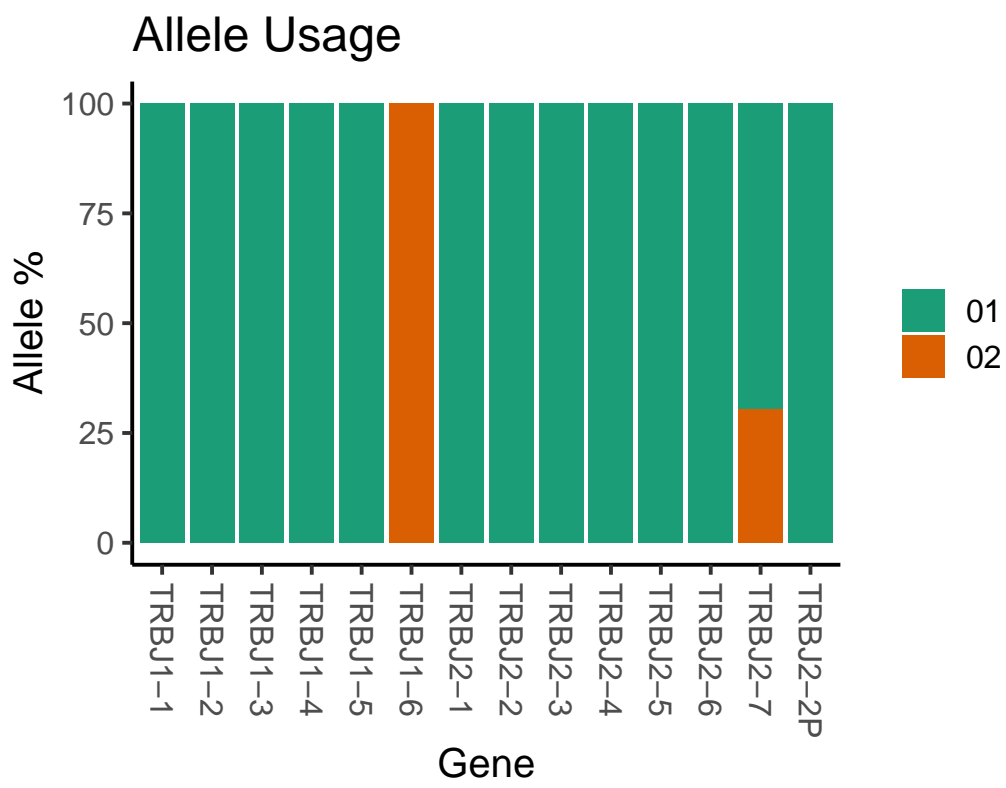


TRBV7-1*ap01_G291C_T296C_C314T

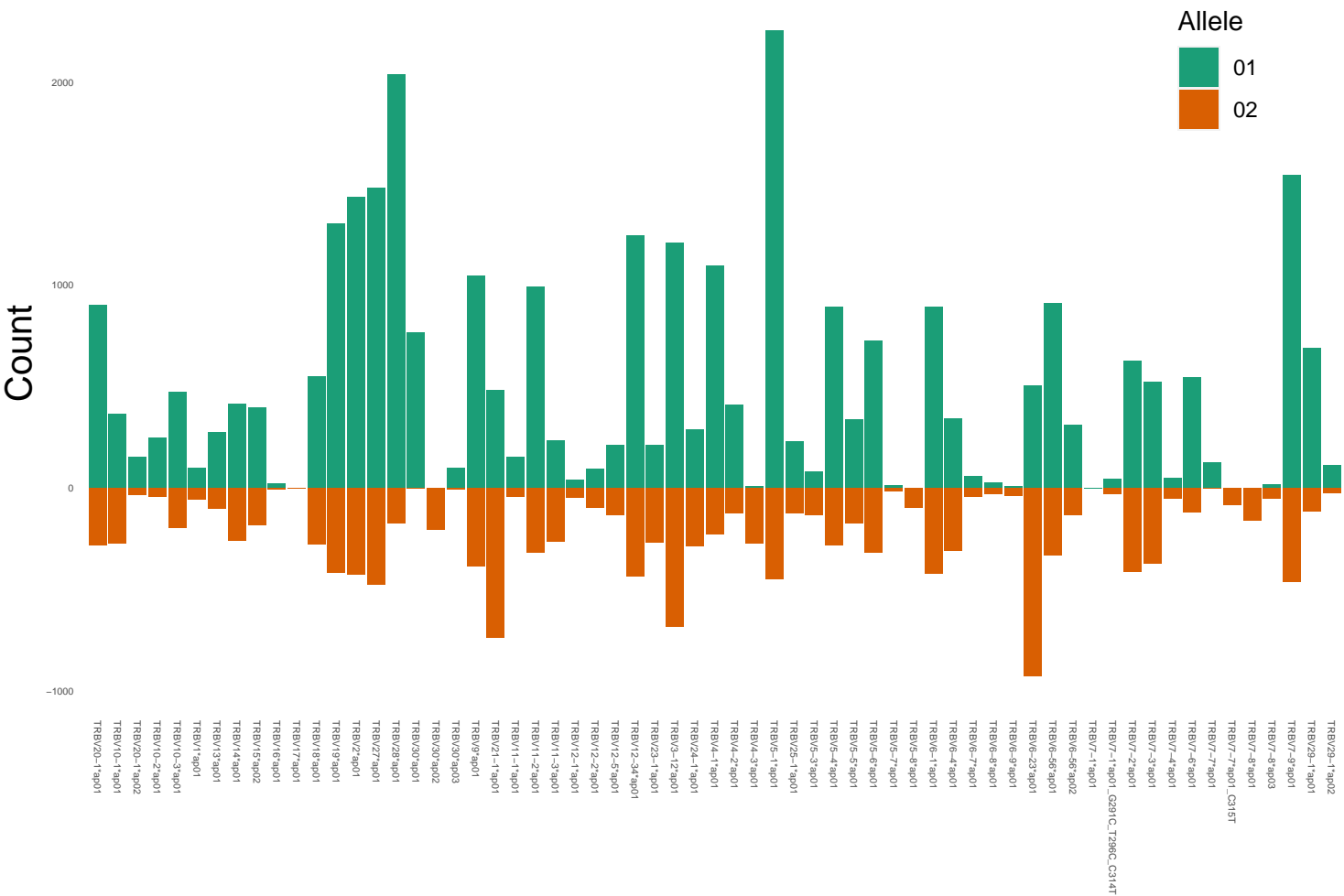


TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage



[illegible]