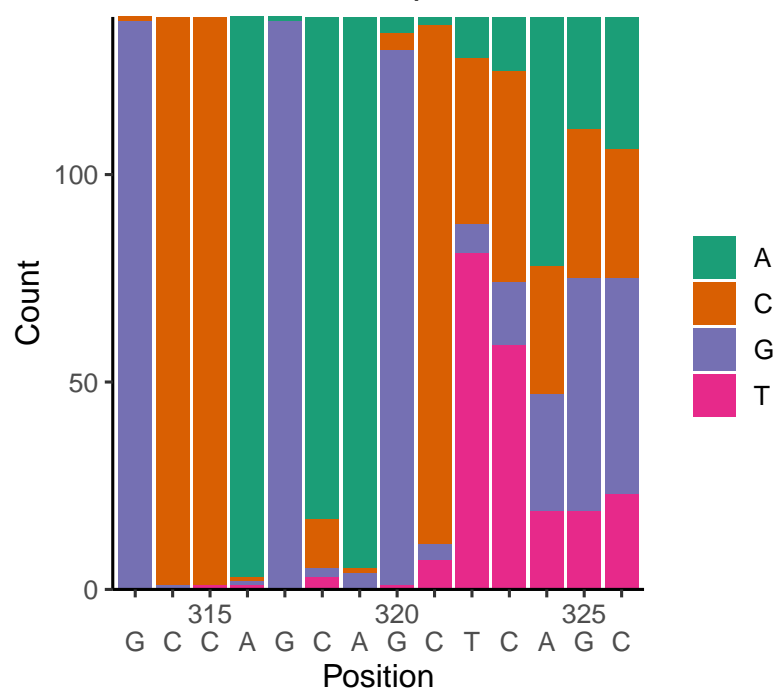
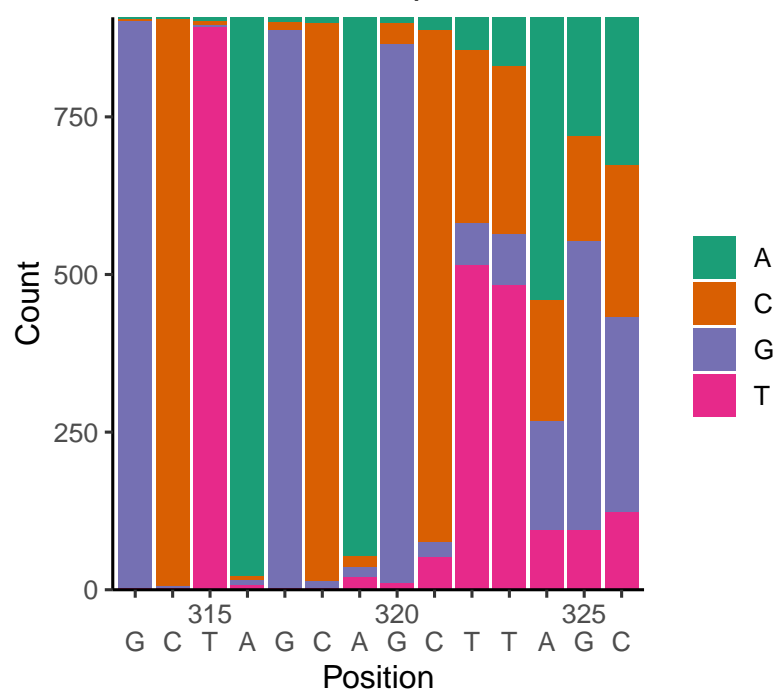


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



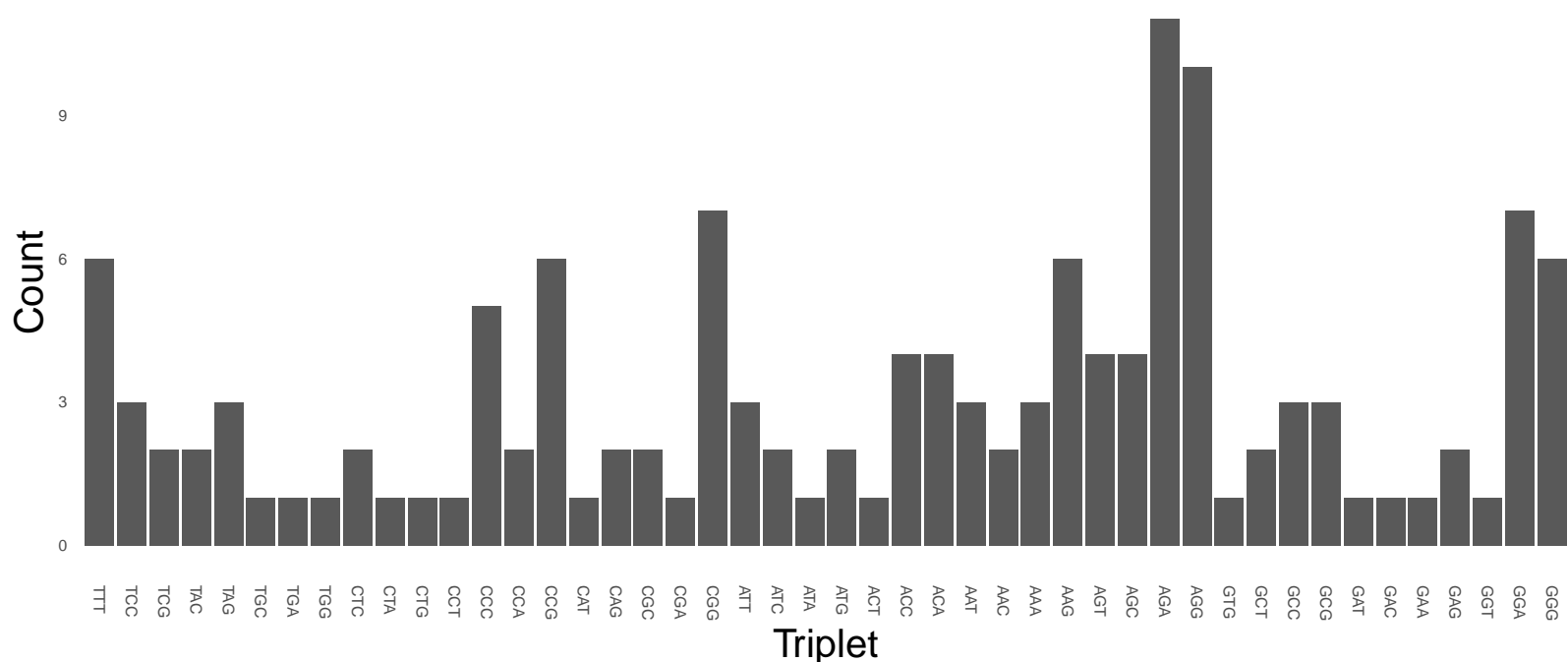
Gene TRBV7-1*ap01_G291C_T296C



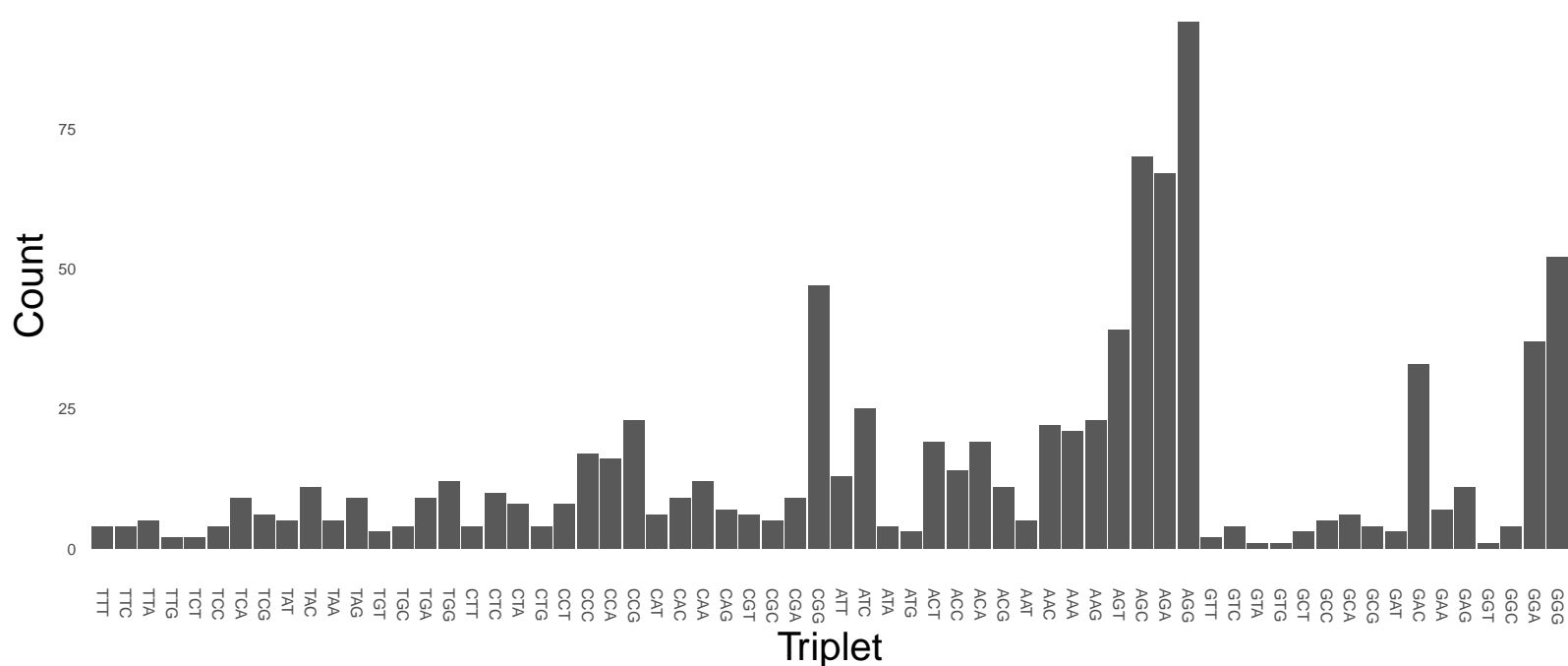
Gene TRBV7-7*ap01_C315T



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

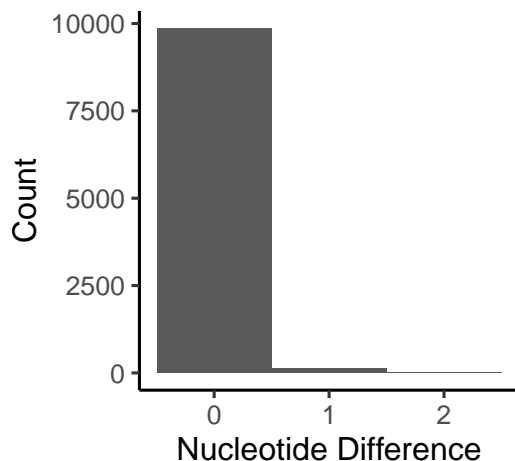


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



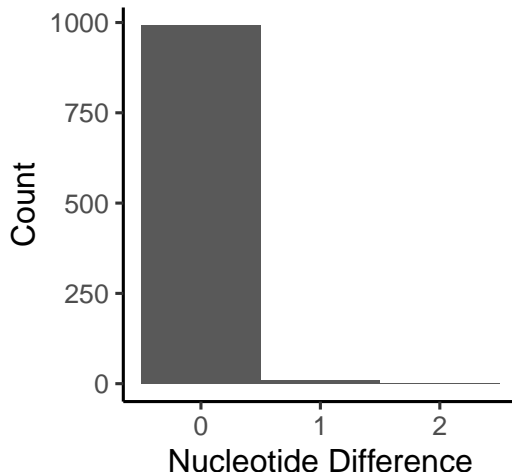
TRBV20-1*ap01

10002 sequences assigned
9867 (98.7%) exact matches, in which:
9696 unique CDR3
13 unique J



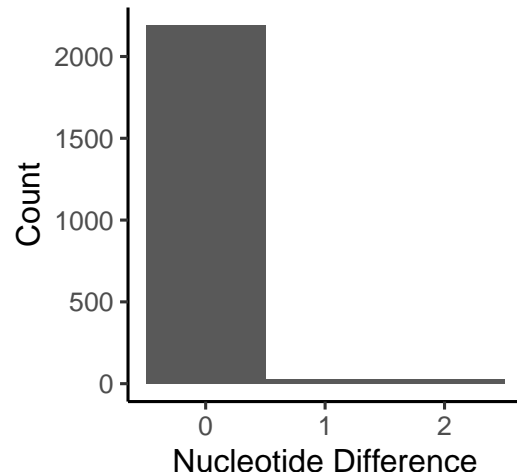
TRBV10-2*ap01

1003 sequences assigned
992 (98.9%) exact matches, in which:
968 unique CDR3
13 unique J



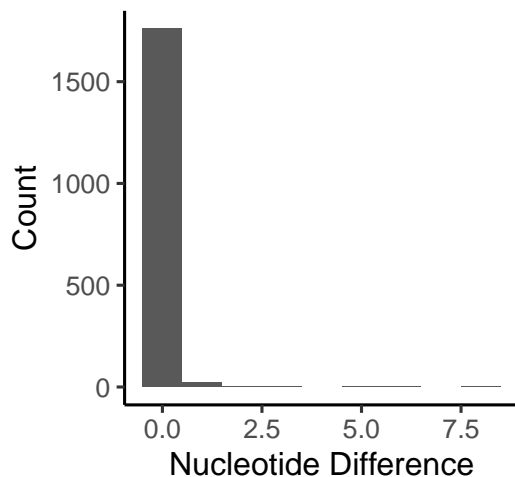
TRBV13*ap01

2249 sequences assigned
2190 (97.4%) exact matches, in which:
2125 unique CDR3
13 unique J



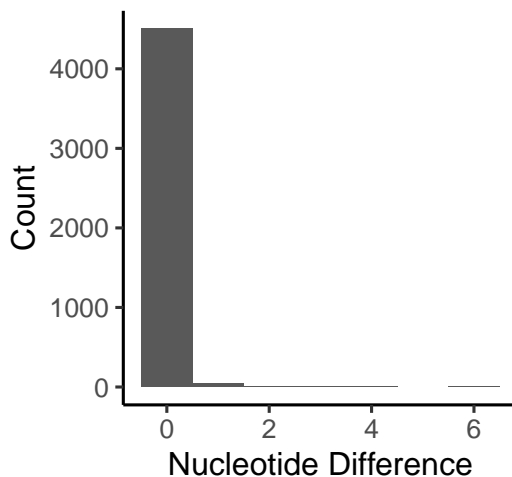
TRBV10-1*ap01

1787 sequences assigned
1760 (98.5%) exact matches, in which:
1724 unique CDR3
13 unique J



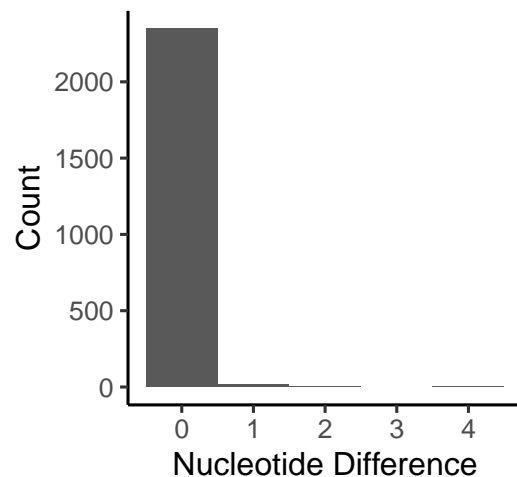
TRBV10-3*ap01

4560 sequences assigned
4504 (98.8%) exact matches, in which:
4416 unique CDR3
13 unique J



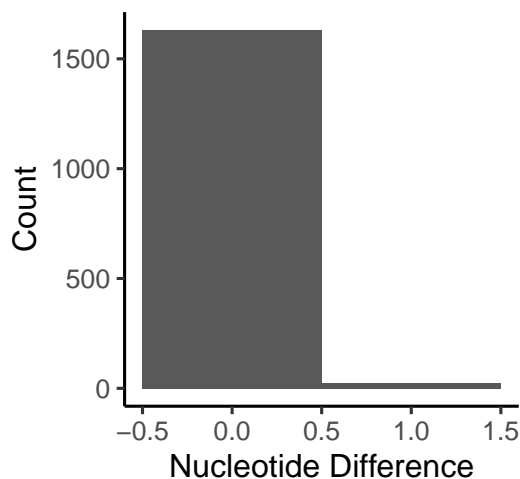
TRBV14*ap01

2368 sequences assigned
2348 (99.2%) exact matches, in which:
2302 unique CDR3
13 unique J



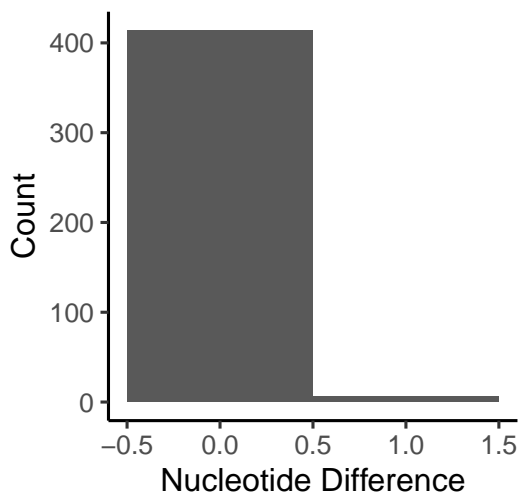
TRBV20-1*ap02

1654 sequences assigned
1631 (98.6%) exact matches, in which:
1605 unique CDR3
13 unique J



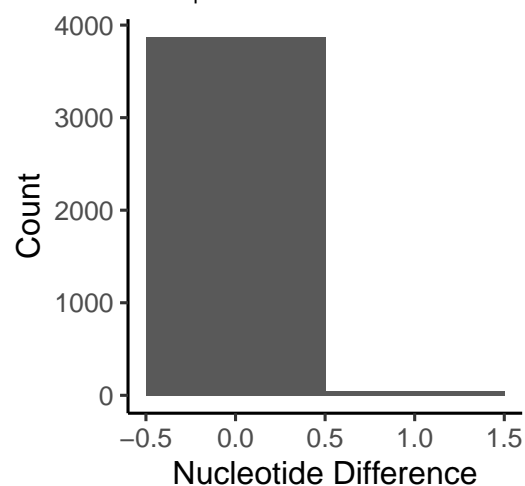
TRBV1*ap01

420 sequences assigned
414 (98.6%) exact matches, in which:
407 unique CDR3
13 unique J



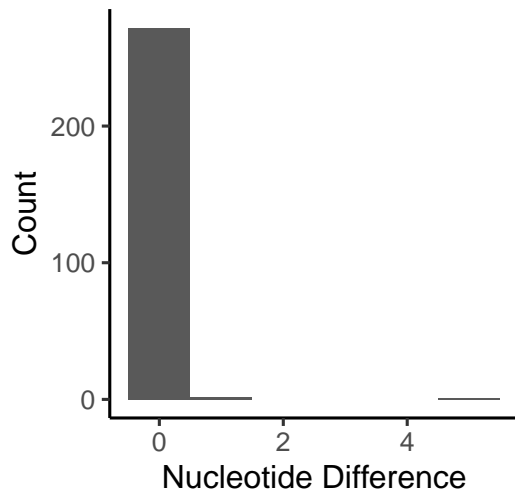
TRBV15*ap02

3916 sequences assigned
3871 (98.9%) exact matches, in which:
3798 unique CDR3
13 unique J



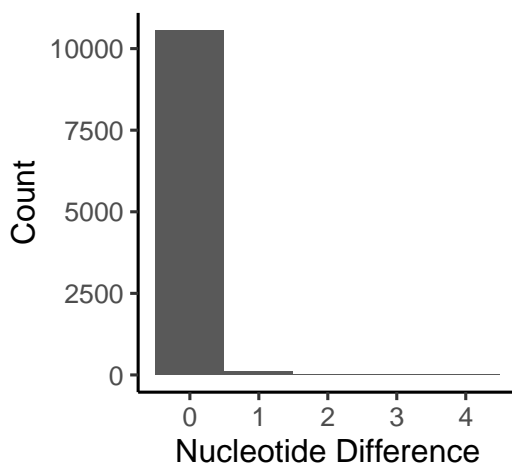
TRBV16*ap01

275 sequences assigned
272 (98.9%) exact matches, in which:
269 unique CDR3
13 unique J



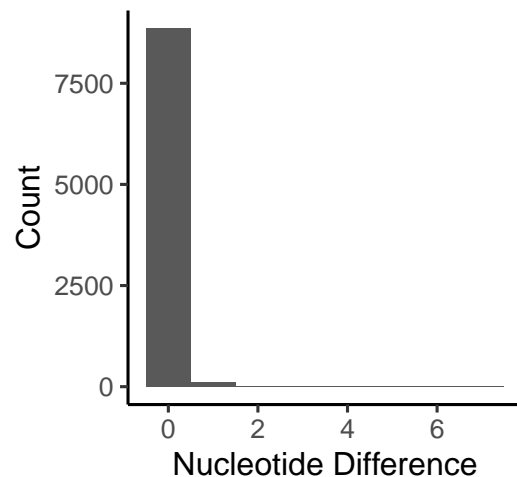
TRBV19*ap01

10690 sequences assigned
10566 (98.8%) exact matches, in which:
10443 unique CDR3
13 unique J



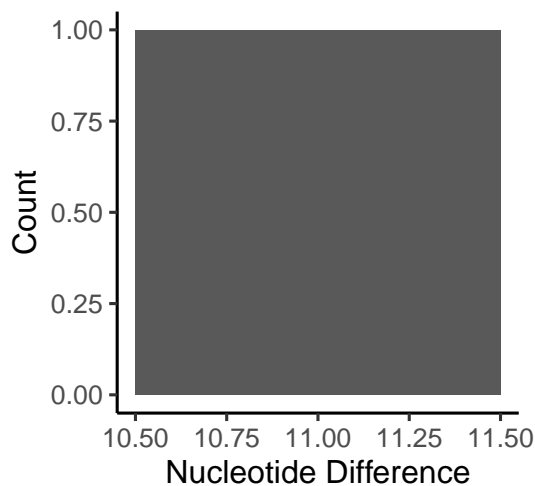
TRBV27*ap01

8974 sequences assigned
8857 (98.7%) exact matches, in which:
8654 unique CDR3
13 unique J



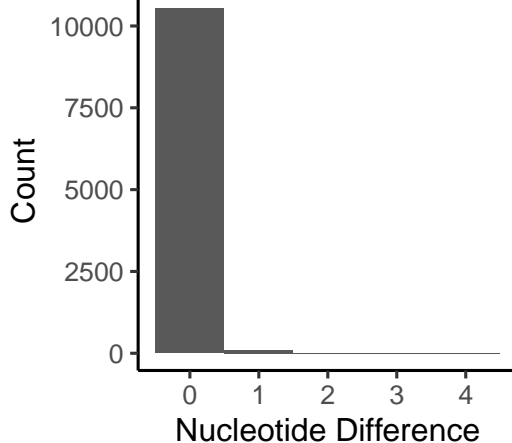
TRBV17*ap01

1 sequences assigned
No exact matches.



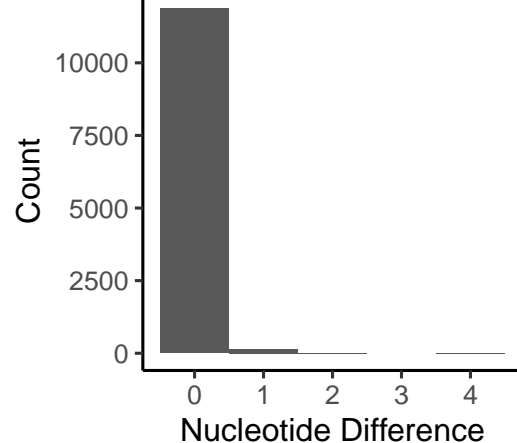
TRBV2*ap01

10649 sequences assigned
10535 (98.9%) exact matches, in which:
10339 unique CDR3
13 unique J



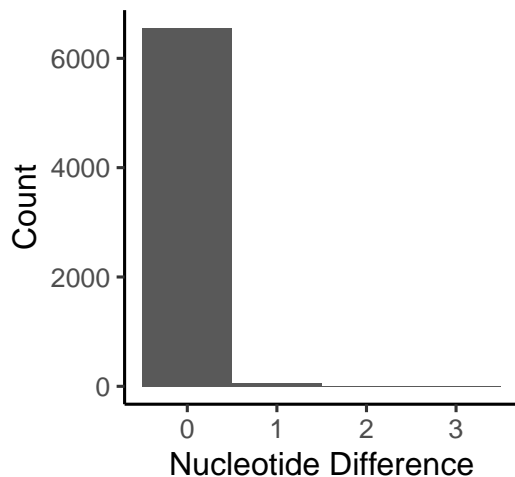
TRBV28*ap01

12026 sequences assigned
11872 (98.7%) exact matches, in which:
11635 unique CDR3
13 unique J



TRBV18*ap01

6618 sequences assigned
6554 (99%) exact matches, in which:
6466 unique CDR3
13 unique J



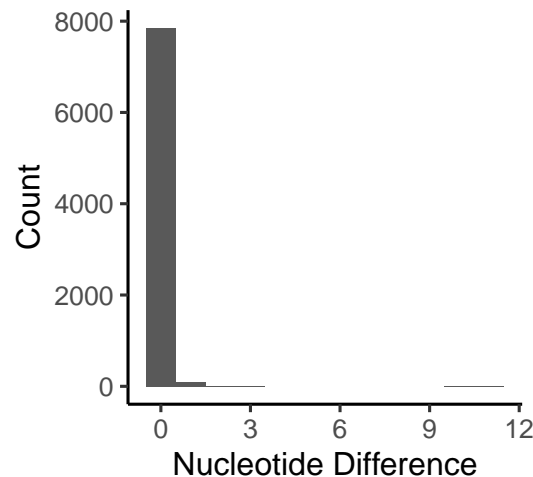
TRBV26*ap01

1 sequences assigned
No exact matches.



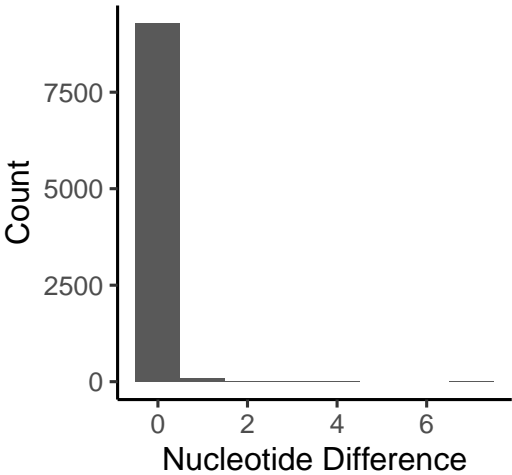
TRBV30*ap01

7955 sequences assigned
7849 (98.7%) exact matches, in which:
7777 unique CDR3
13 unique J



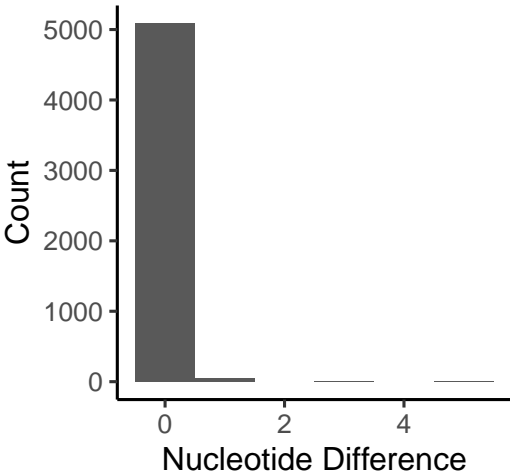
TRBV9*ap01

9372 sequences assigned
9283 (99.1%) exact matches, in which:
9134 unique CDR3
13 unique J



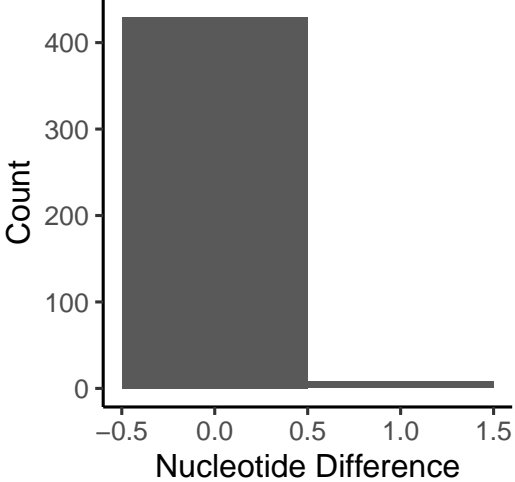
TRBV11-2*ap01

5141 sequences assigned
5087 (98.9%) exact matches, in which:
4980 unique CDR3
13 unique J



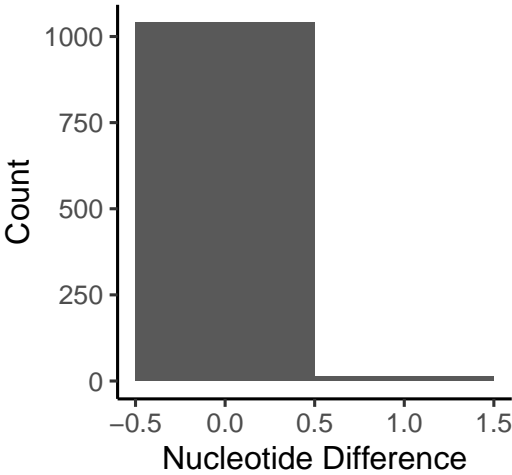
TRBV12-2*ap01

438 sequences assigned
430 (98.2%) exact matches, in which:
426 unique CDR3
13 unique J



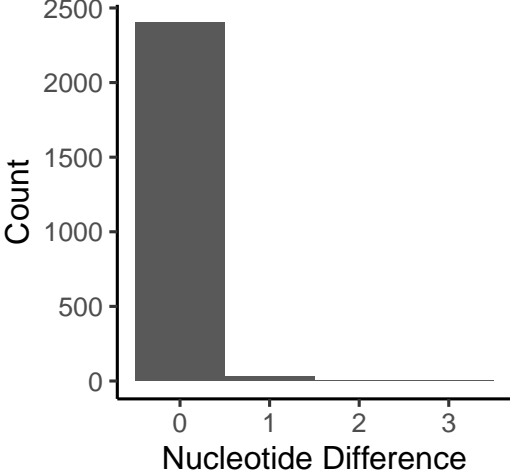
TRBV11-1*ap01

1053 sequences assigned
1040 (98.8%) exact matches, in which:
1019 unique CDR3
13 unique J



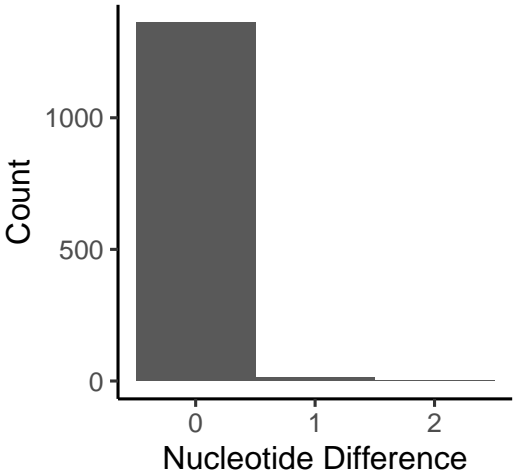
TRBV11-3*ap01

2436 sequences assigned
2401 (98.6%) exact matches, in which:
2351 unique CDR3
13 unique J



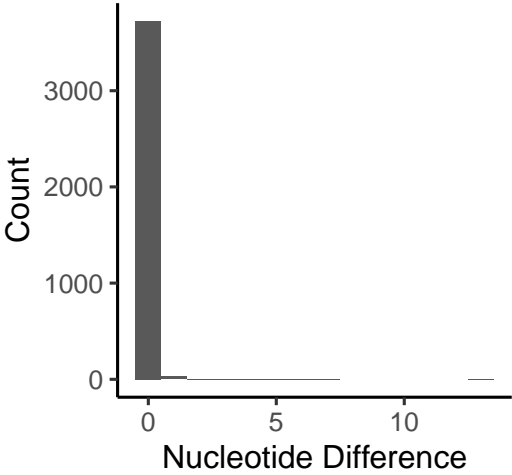
TRBV12-5*ap01

1375 sequences assigned
1361 (99%) exact matches, in which:
1329 unique CDR3
13 unique J



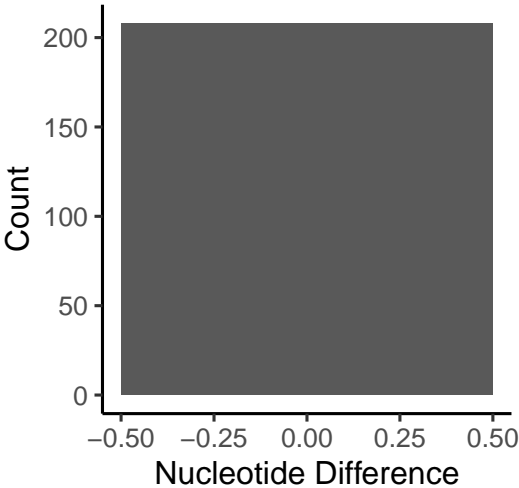
TRBV21-1*ap01

3772 sequences assigned
3724 (98.7%) exact matches, in which:
3673 unique CDR3
13 unique J



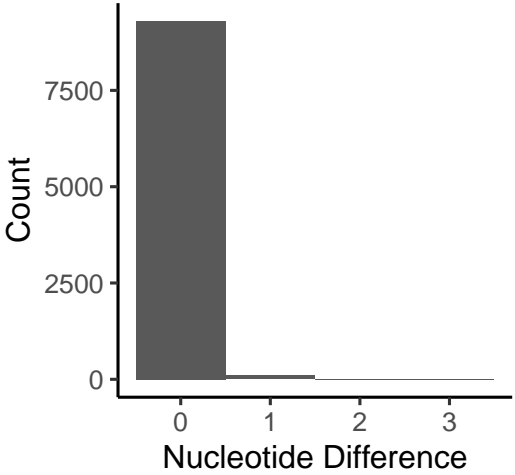
TRBV12-1*ap01

208 sequences assigned
208 (100%) exact matches, in which:
205 unique CDR3
13 unique J



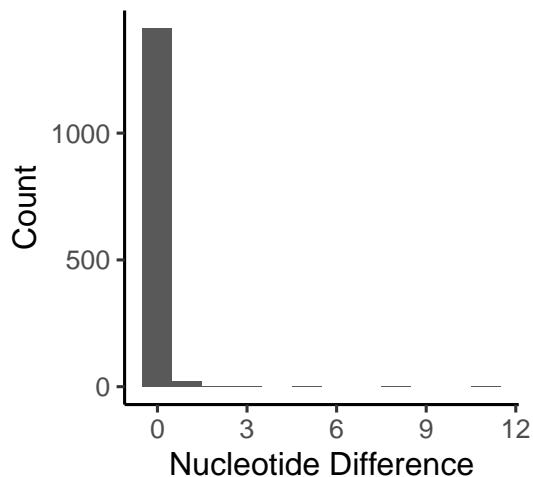
TRBV12-34*ap01

9404 sequences assigned
9300 (98.9%) exact matches, in which:
9140 unique CDR3
13 unique J



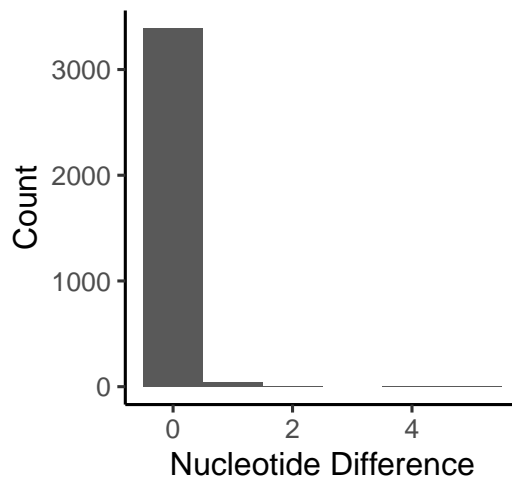
TRBV23-1*ap01

1441 sequences assigned
1413 (98.1%) exact matches, in which:
1391 unique CDR3
13 unique J



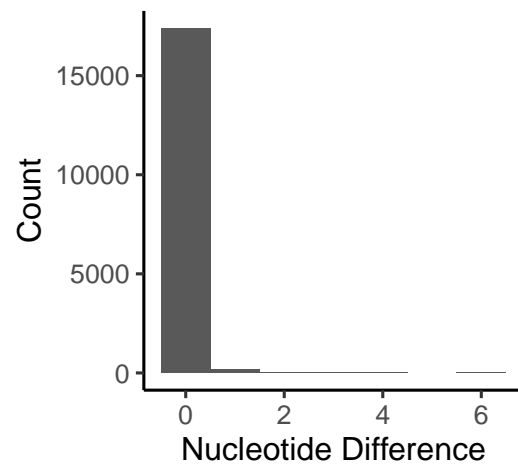
TRBV24-1*ap01

3441 sequences assigned
3389 (98.5%) exact matches, in which:
3341 unique CDR3
13 unique J



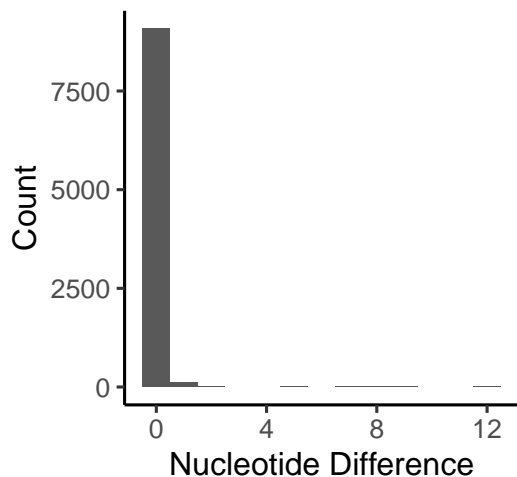
TRBV5-1*ap01

17583 sequences assigned
17397 (98.9%) exact matches, in which:
17035 unique CDR3
13 unique J



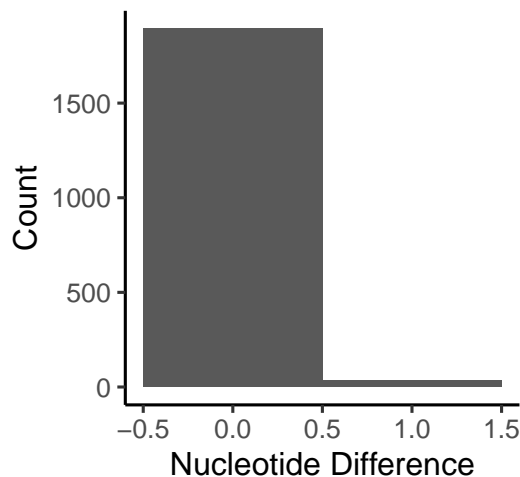
TRBV3-12*ap01

9198 sequences assigned
9078 (98.7%) exact matches, in which:
8927 unique CDR3
13 unique J



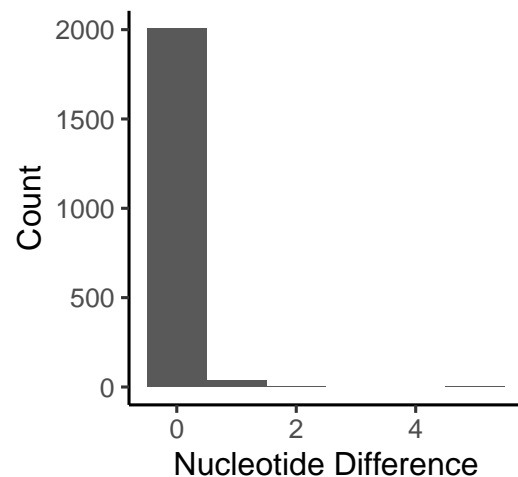
TRBV4-2*ap01

1926 sequences assigned
1893 (98.3%) exact matches, in which:
1860 unique CDR3
13 unique J



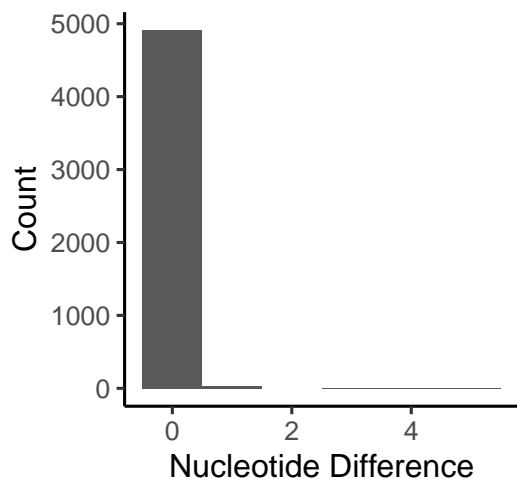
TRBV25-1*ap01

2042 sequences assigned
2005 (98.2%) exact matches, in which:
1985 unique CDR3
13 unique J



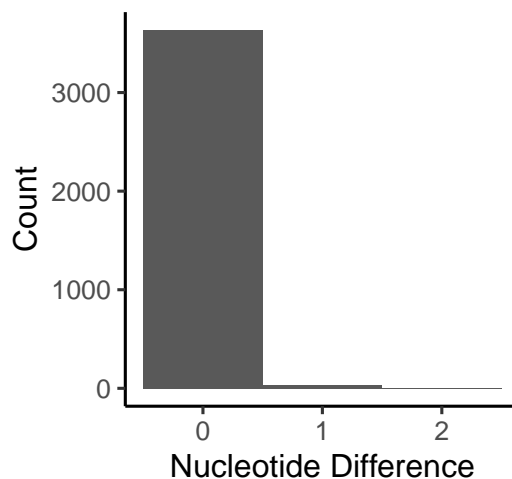
TRBV4-1*ap01

4949 sequences assigned
4913 (99.3%) exact matches, in which:
4835 unique CDR3
13 unique J



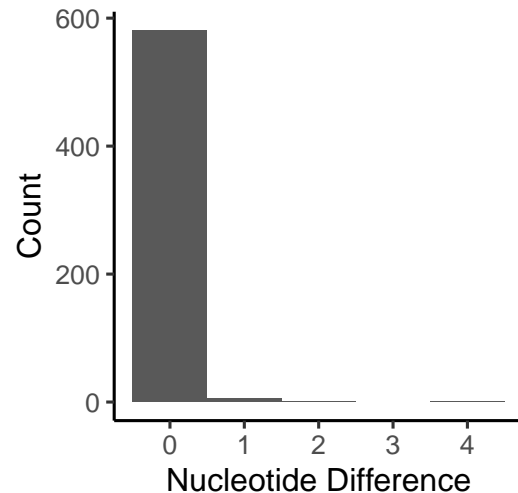
TRBV4-3*ap01

3668 sequences assigned
3634 (99.1%) exact matches, in which:
3580 unique CDR3
13 unique J



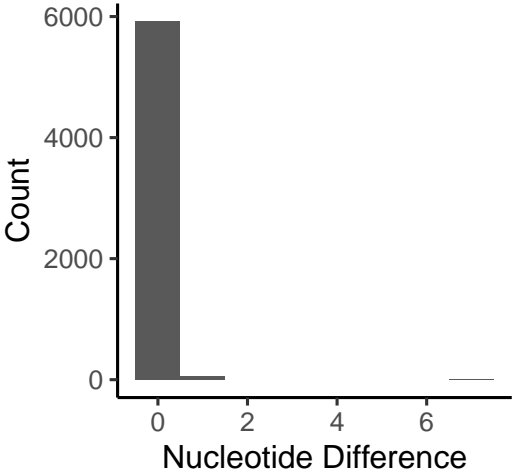
TRBV5-3*ap01

588 sequences assigned
581 (98.8%) exact matches, in which:
573 unique CDR3
13 unique J



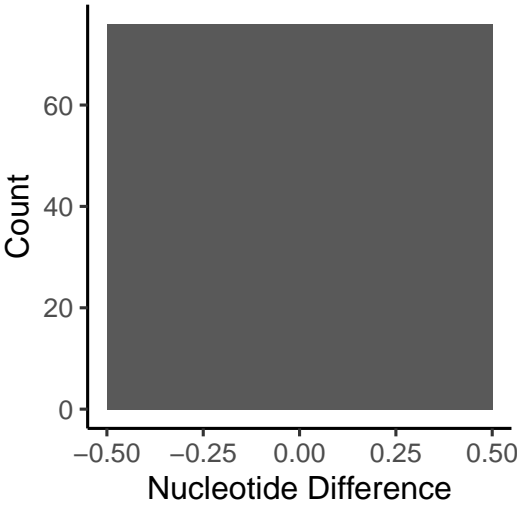
TRBV5-4*ap01

5986 sequences assigned
5920 (98.9%) exact matches, in which:
5821 unique CDR3
13 unique J



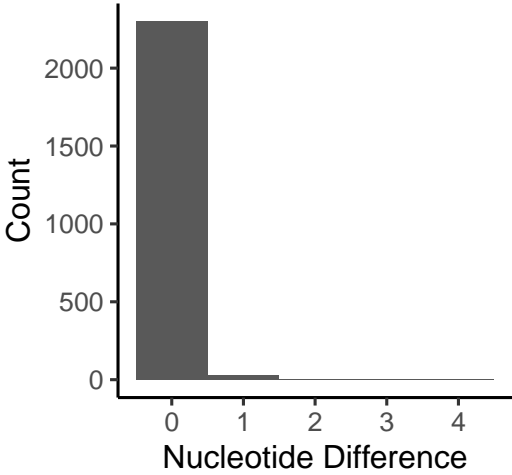
TRBV5-7*ap01

76 sequences assigned
76 (100%) exact matches, in which:
75 unique CDR3
12 unique J



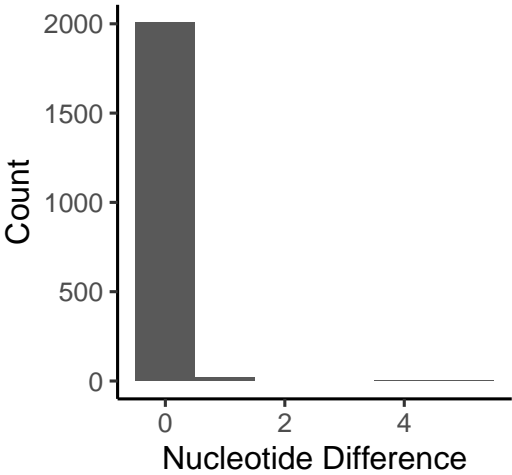
TRBV6-4*ap01

2337 sequences assigned
2300 (98.4%) exact matches, in which:
2263 unique CDR3
13 unique J



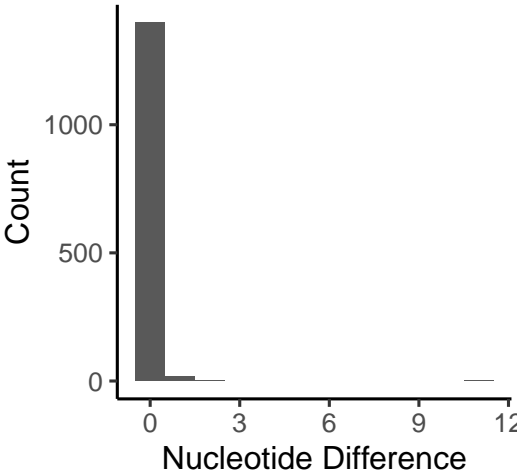
TRBV5-5*ap01

2029 sequences assigned
2006 (98.9%) exact matches, in which:
1982 unique CDR3
13 unique J



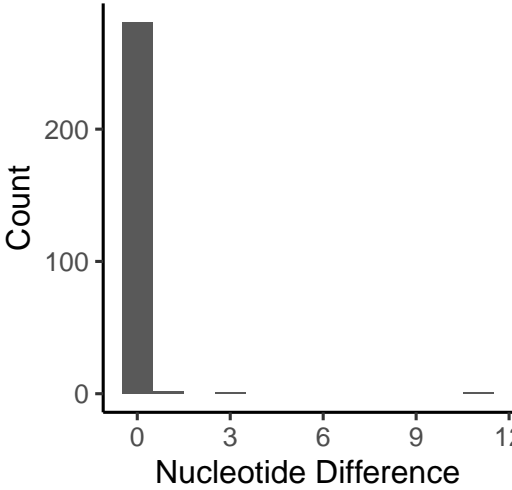
TRBV5-8*ap01

1419 sequences assigned
1398 (98.5%) exact matches, in which:
1372 unique CDR3
13 unique J



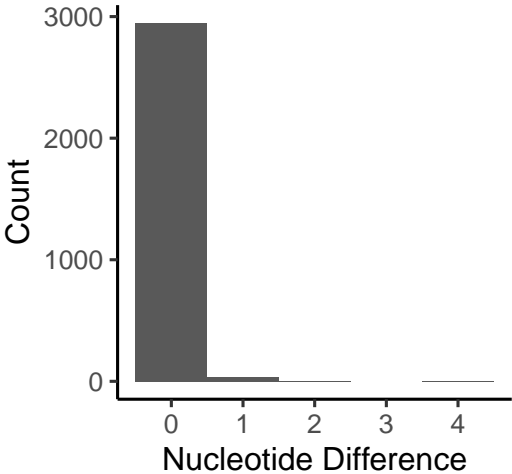
TRBV6-7*ap01

285 sequences assigned
281 (98.6%) exact matches, in which:
274 unique CDR3
13 unique J



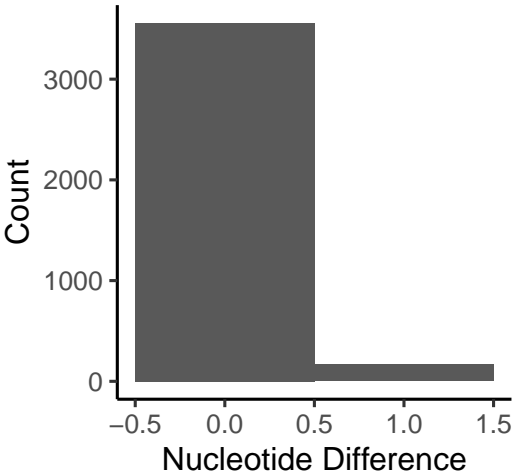
TRBV5-6*ap01

2984 sequences assigned
2947 (98.8%) exact matches, in which:
2898 unique CDR3
13 unique J



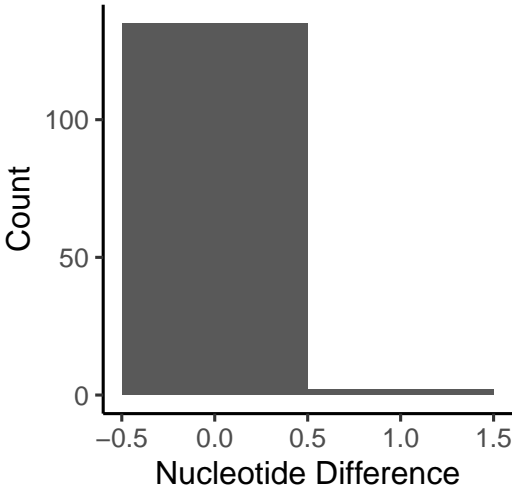
TRBV6-1*ap01

3723 sequences assigned
3557 (95.5%) exact matches, in which:
3483 unique CDR3
13 unique J



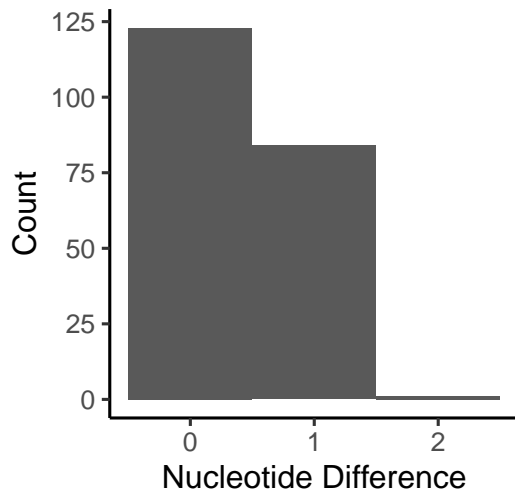
TRBV6-8*ap01

137 sequences assigned
135 (98.5%) exact matches, in which:
133 unique CDR3
11 unique J



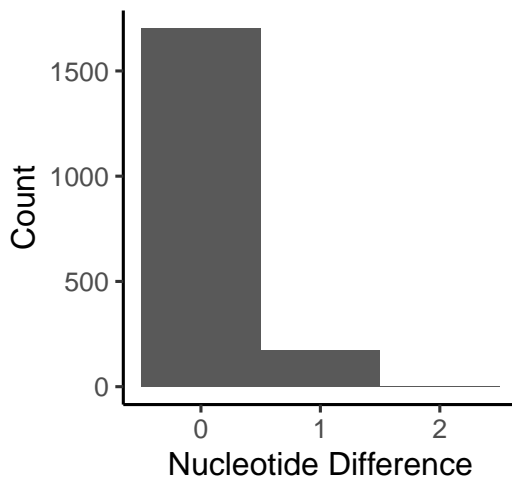
TRBV6-9*ap01

208 sequences assigned
123 (59.1%) exact matches, in which:
122 unique CDR3
13 unique J



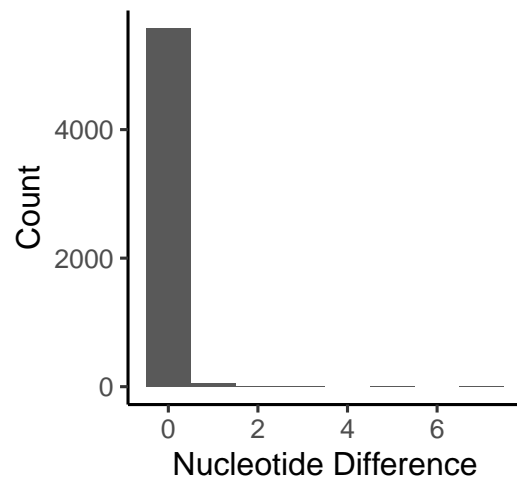
TRBV6-56*ap02

1880 sequences assigned
1702 (90.5%) exact matches, in which:
1659 unique CDR3
13 unique J



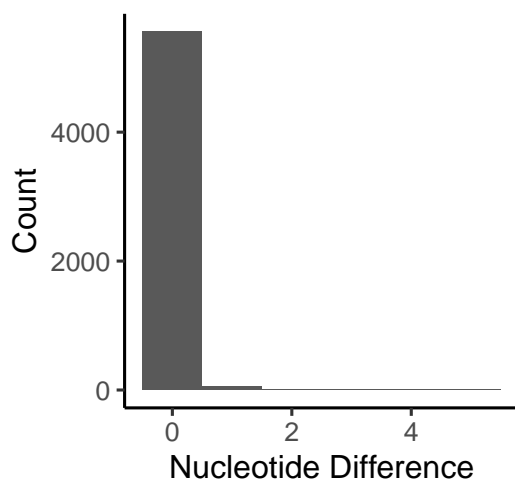
TRBV7-3*ap01

5631 sequences assigned
5575 (99%) exact matches, in which:
5505 unique CDR3
13 unique J



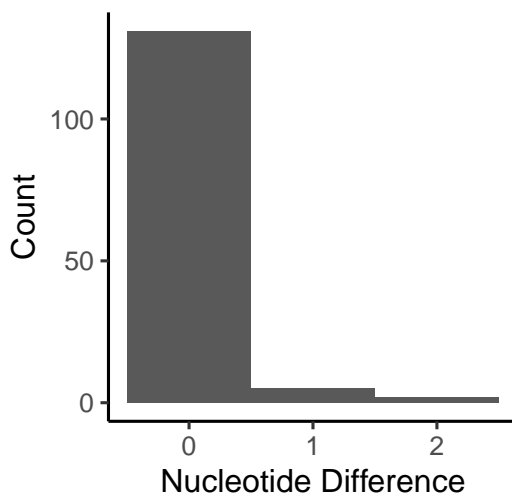
TRBV6-23*ap01

5622 sequences assigned
5558 (98.9%) exact matches, in which:
5477 unique CDR3
13 unique J



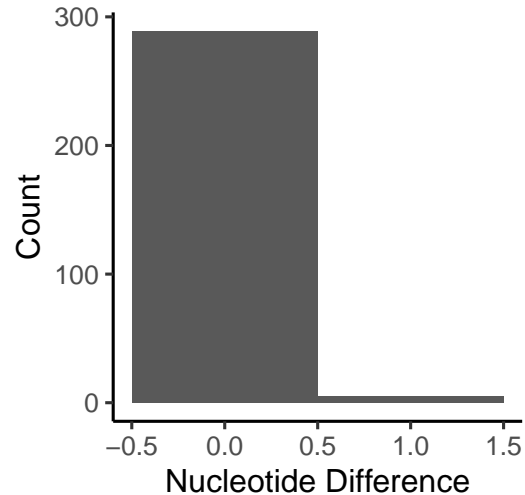
TRBV7-1*ap01_G291C_

138 sequences assigned
131 (94.9%) exact matches, in which:
127 unique CDR3
13 unique J



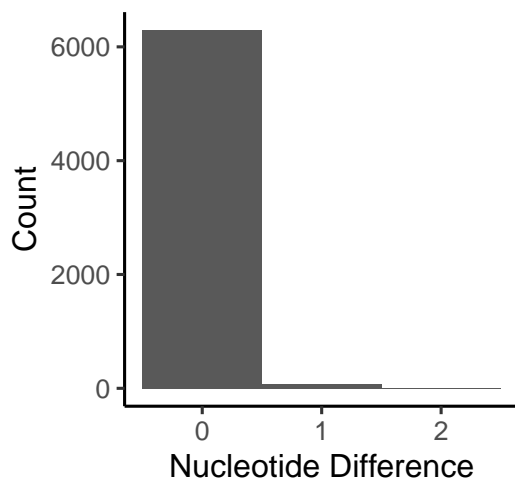
TRBV7-4*ap01

294 sequences assigned
289 (98.3%) exact matches, in which:
285 unique CDR3
13 unique J



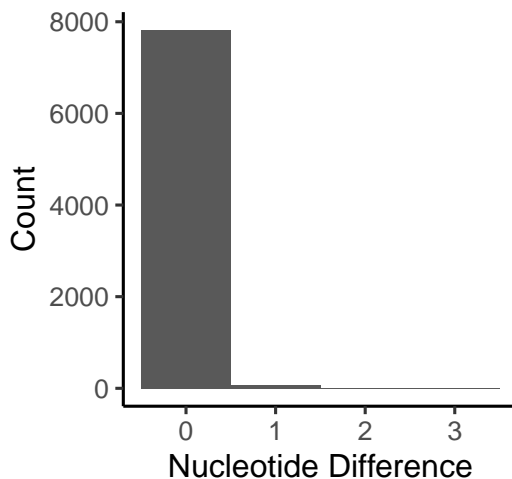
TRBV6-56*ap01

6375 sequences assigned
6295 (98.7%) exact matches, in which:
6194 unique CDR3
14 unique J



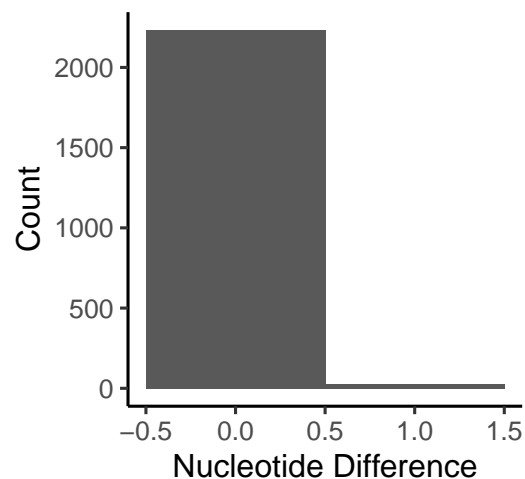
TRBV7-2*ap01

7893 sequences assigned
7819 (99.1%) exact matches, in which:
7685 unique CDR3
13 unique J



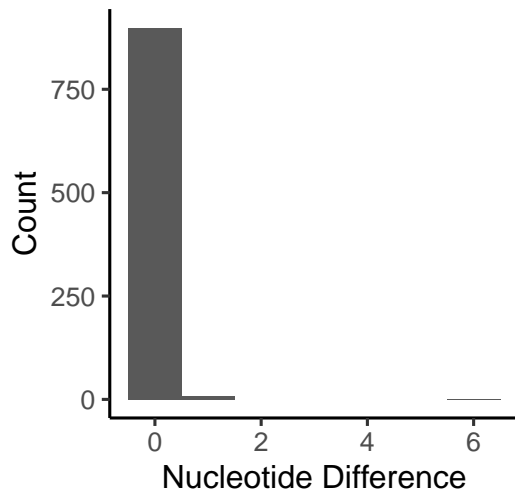
TRBV7-6*ap01

2259 sequences assigned
2233 (98.8%) exact matches, in which:
2196 unique CDR3
13 unique J



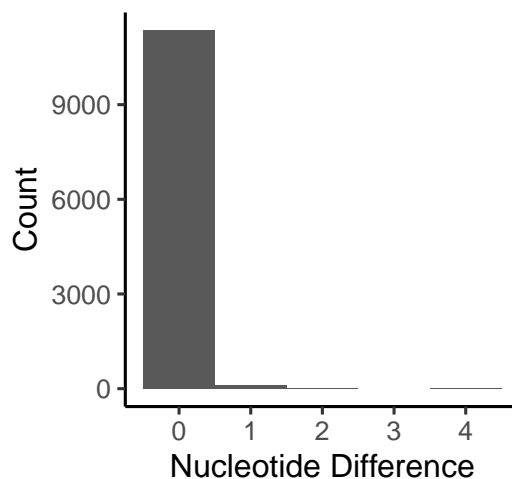
TRBV7-7*ap01_C315T

908 sequences assigned
899 (99%) exact matches, in which:
886 unique CDR3
13 unique J



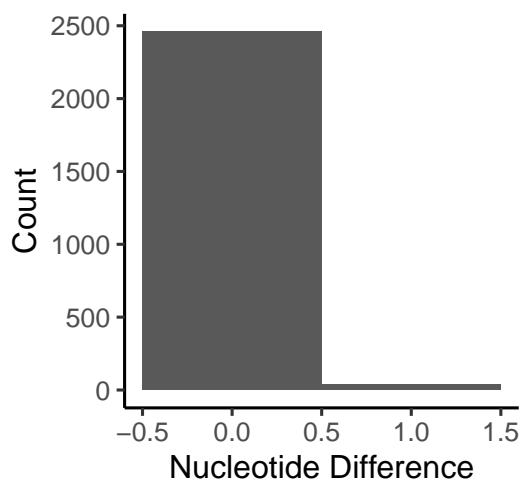
TRBV7-9*ap01

11450 sequences assigned
11352 (99.1%) exact matches, in which:
11181 unique CDR3
13 unique J



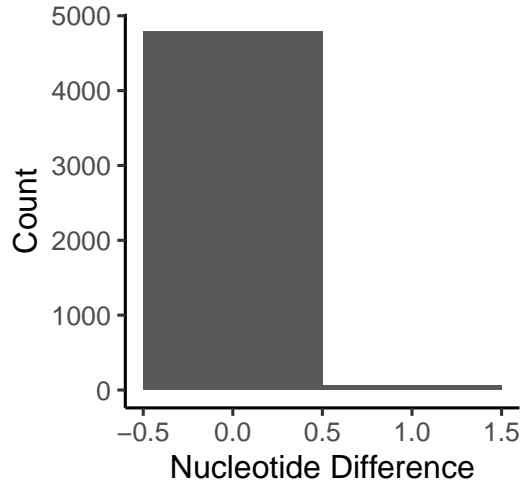
TRBV7-8*ap01

2500 sequences assigned
2459 (98.4%) exact matches, in which:
2410 unique CDR3
13 unique J



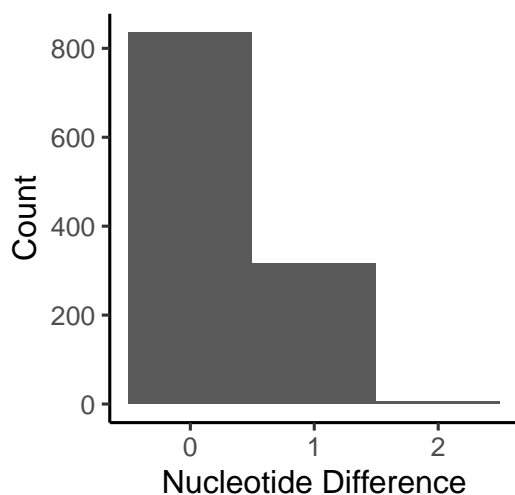
TRBV29-1*ap01

4845 sequences assigned
4787 (98.8%) exact matches, in which:
4737 unique CDR3
13 unique J



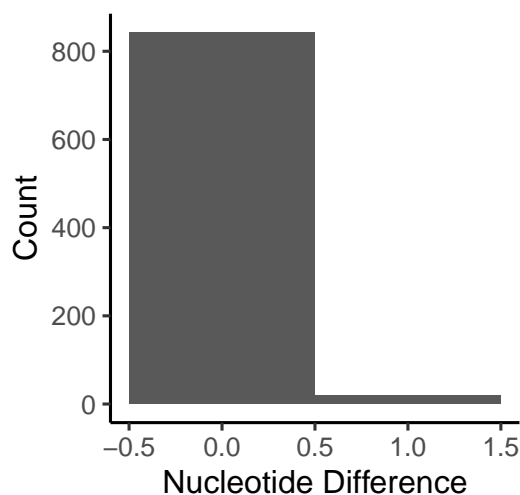
TRBV7-8*ap03

1159 sequences assigned
836 (72.1%) exact matches, in which:
820 unique CDR3
13 unique J

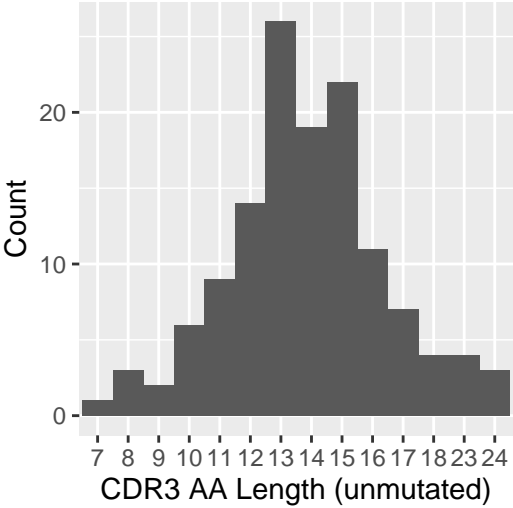


TRBV29-1*ap02

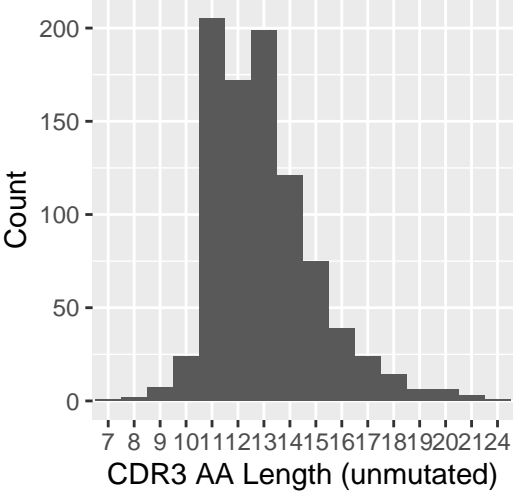
863 sequences assigned
843 (97.7%) exact matches, in which:
835 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]