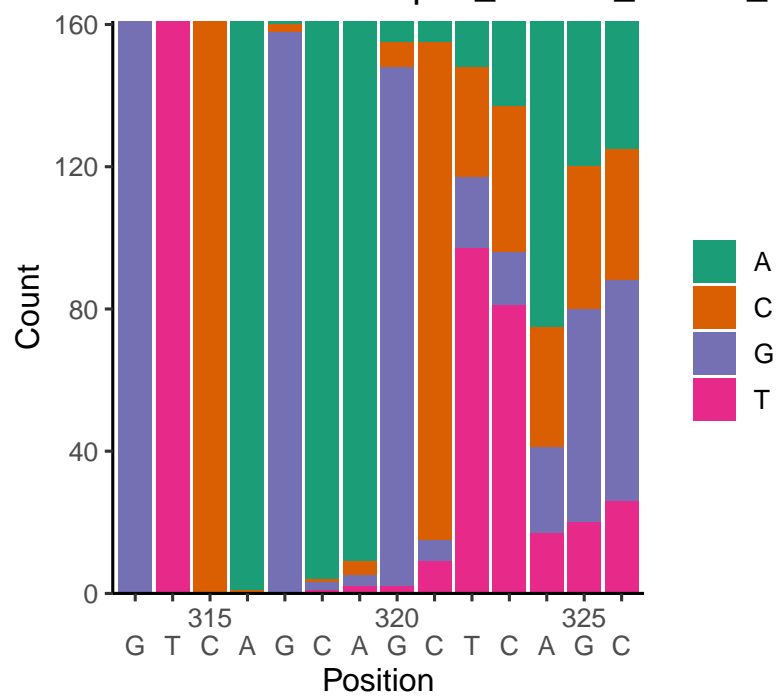
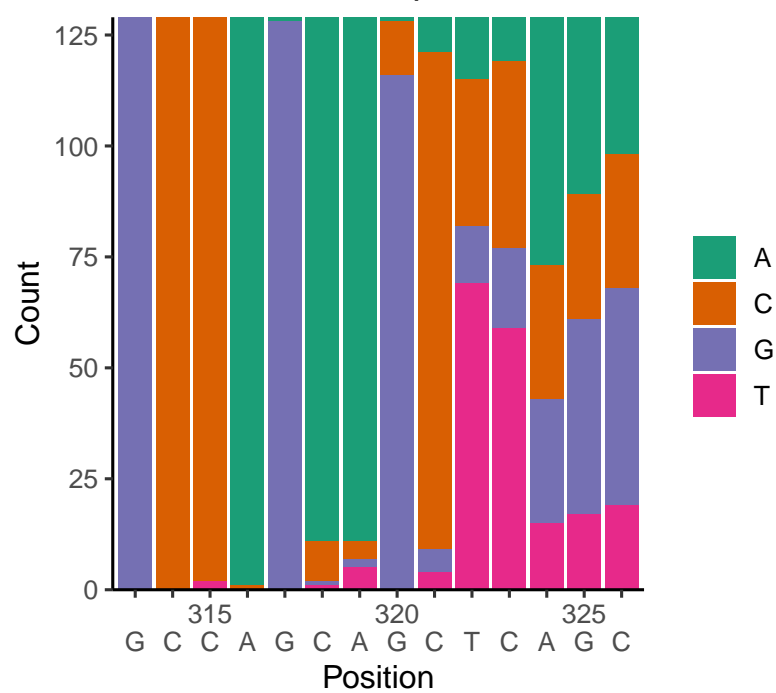


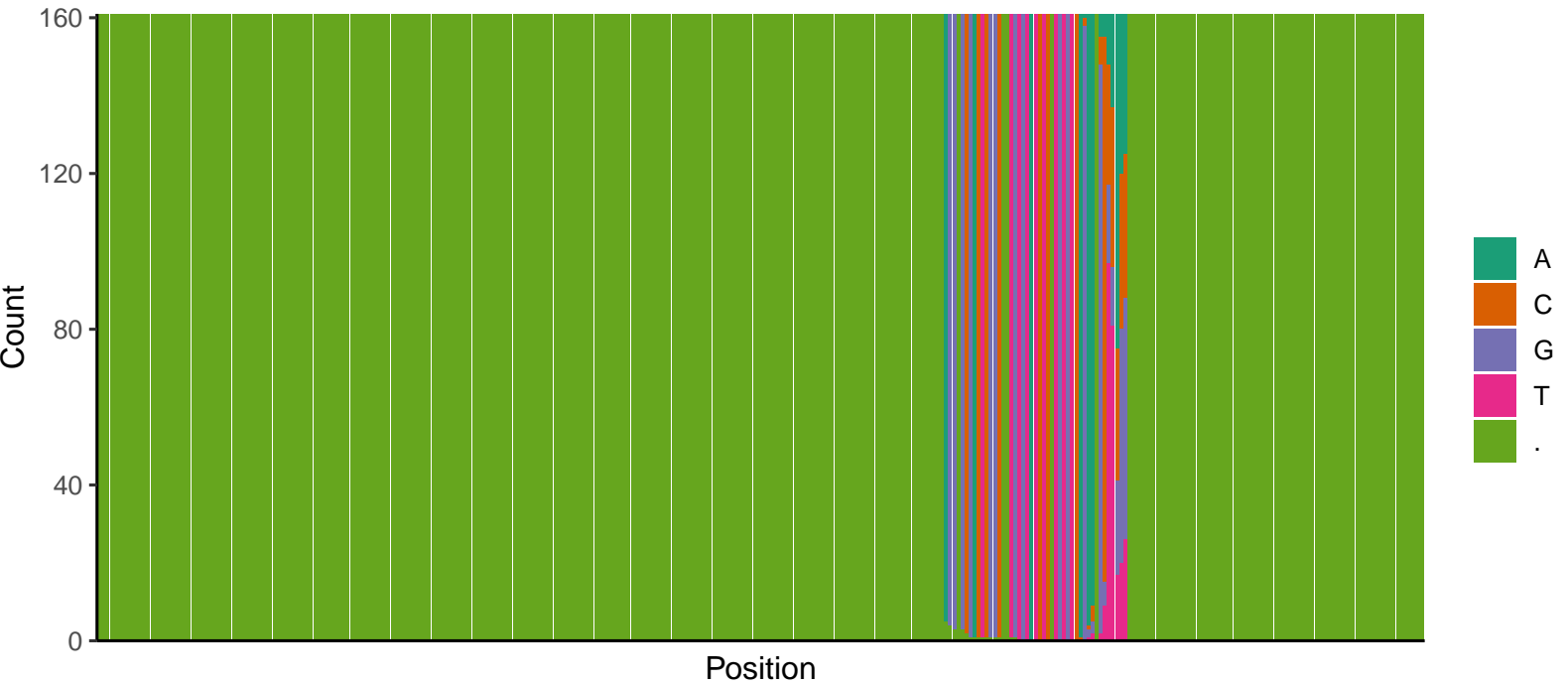
Gene TRBV7-1*ap01_G291C_T296C_C314T



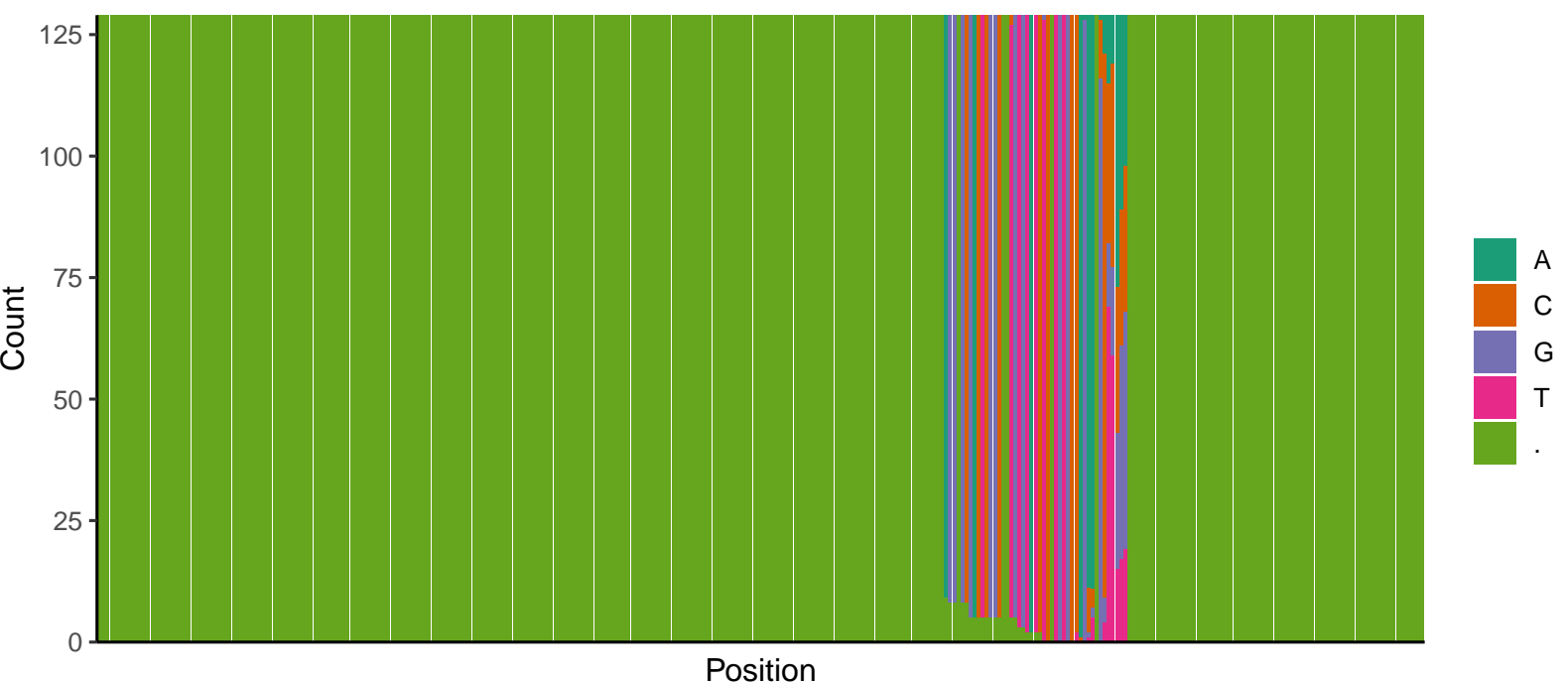
Gene TRBV7-1*ap01_G291C_T296C



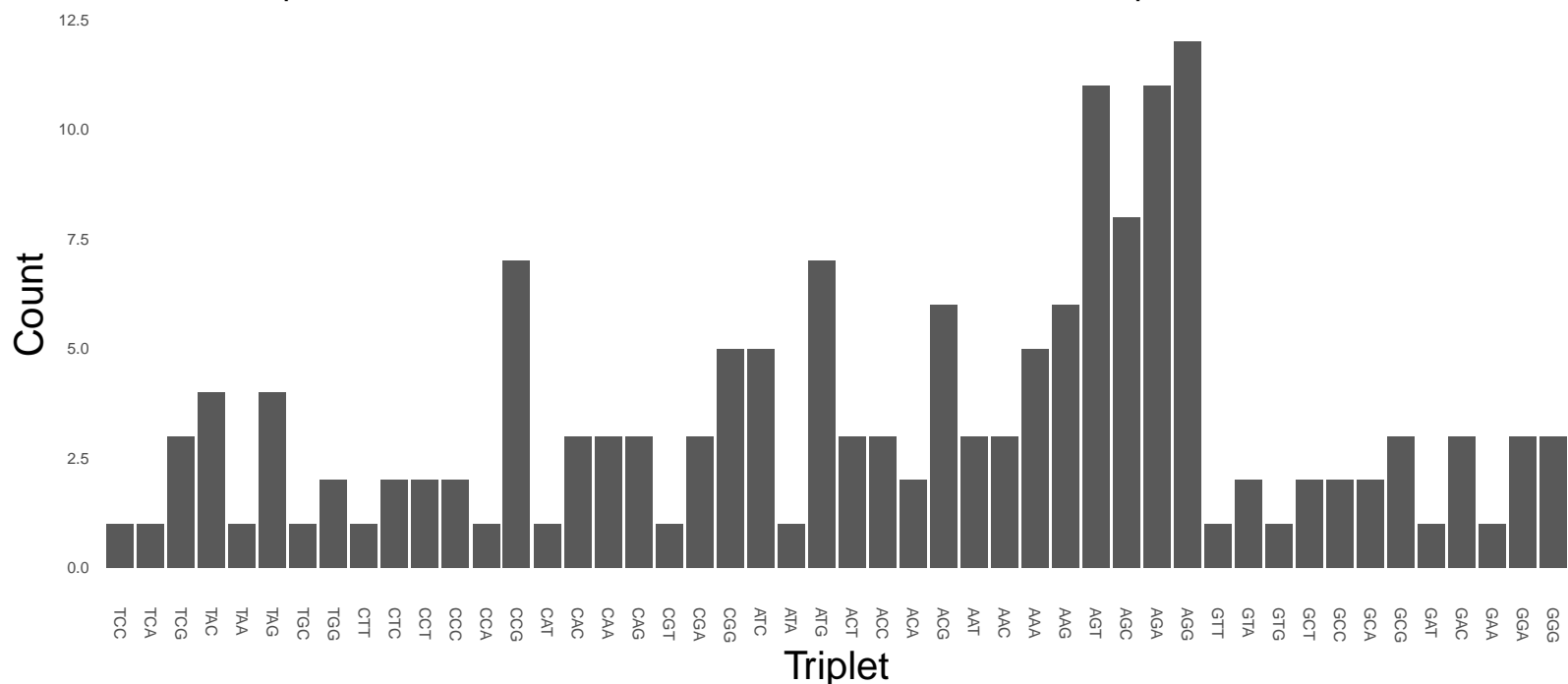
Gene TRBV7-1*ap01_G291C_T296C_C314T



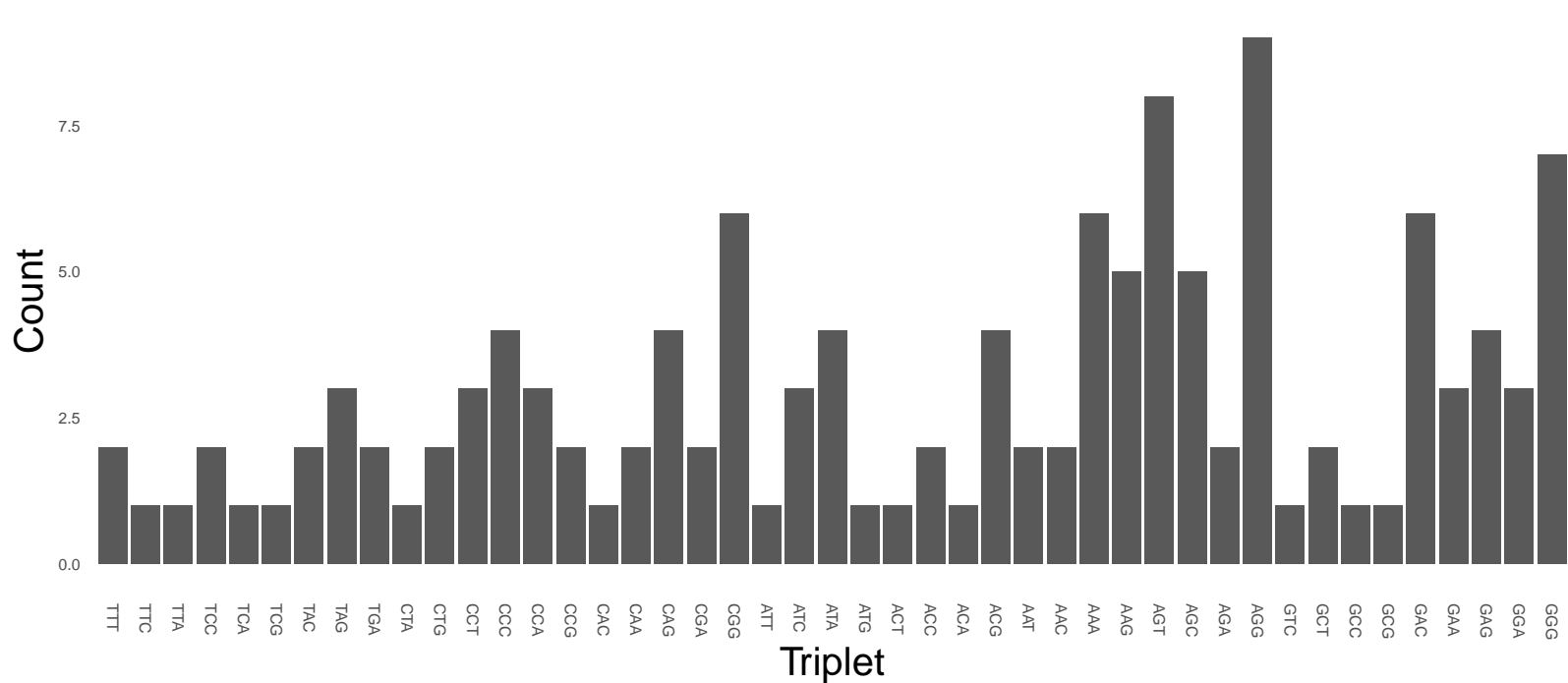
Gene TRBV7-1*ap01_G291C_T296C



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

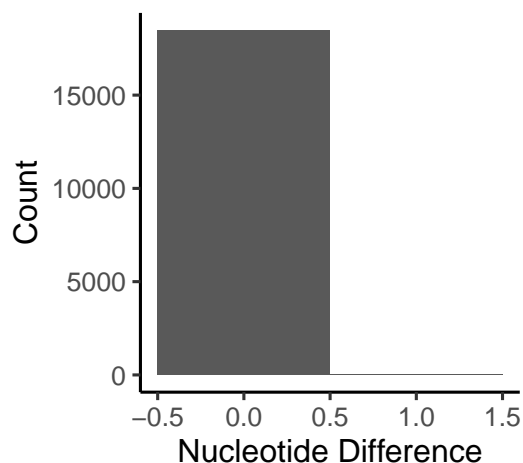


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



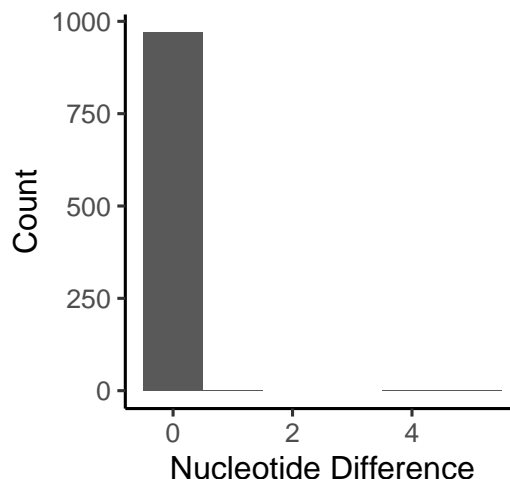
TRBV20-1*ap01

18512 sequences assigned
18483 (99.8%) exact matches, in which:
18482 unique CDR3
13 unique J



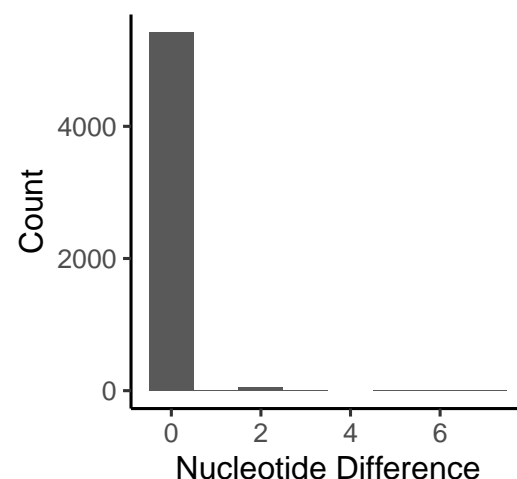
TRBV10-2*ap01

974 sequences assigned
970 (99.6%) exact matches, in which:
970 unique CDR3
13 unique J



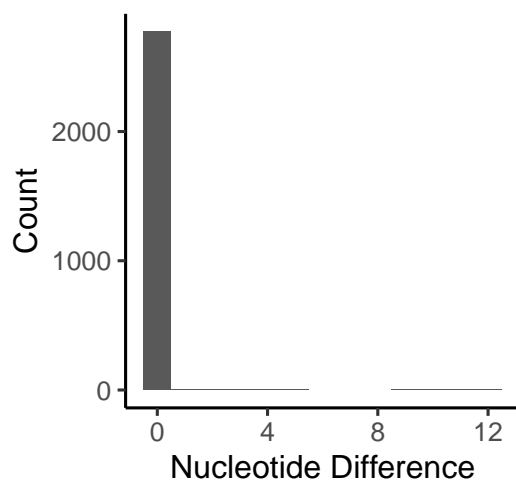
TRBV13*ap01

5490 sequences assigned
5421 (98.7%) exact matches, in which:
5419 unique CDR3
13 unique J



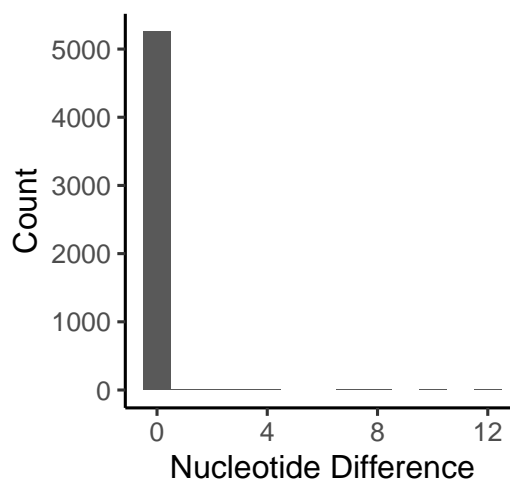
TRBV10-1*ap01

2787 sequences assigned
2772 (99.5%) exact matches, in which:
2772 unique CDR3
13 unique J



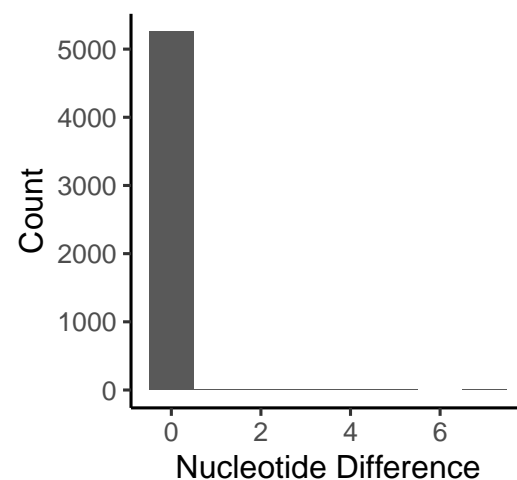
TRBV10-3*ap01

5274 sequences assigned
5254 (99.6%) exact matches, in which:
5253 unique CDR3
13 unique J



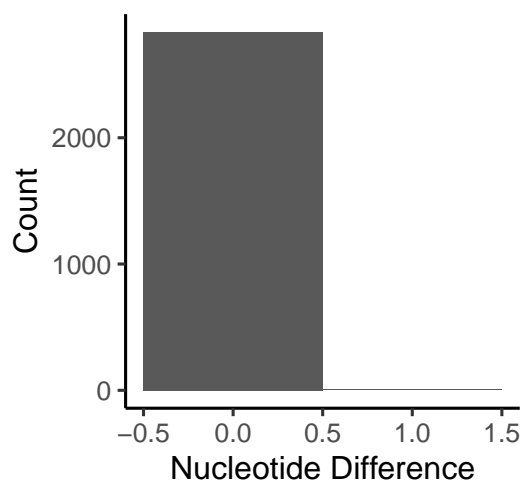
TRBV14*ap01

5270 sequences assigned
5255 (99.7%) exact matches, in which:
5255 unique CDR3
13 unique J



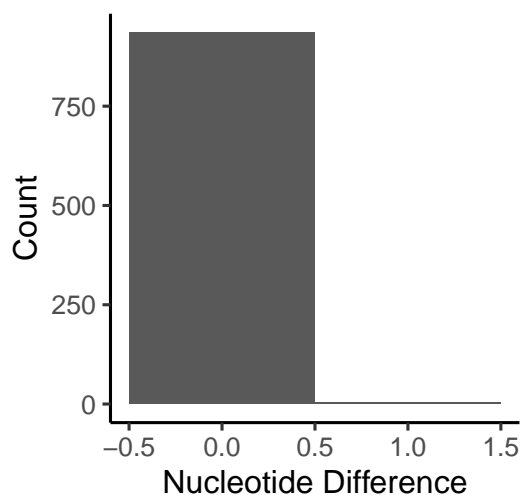
TRBV20-1*ap02

2842 sequences assigned
2837 (99.8%) exact matches, in which:
2835 unique CDR3
13 unique J



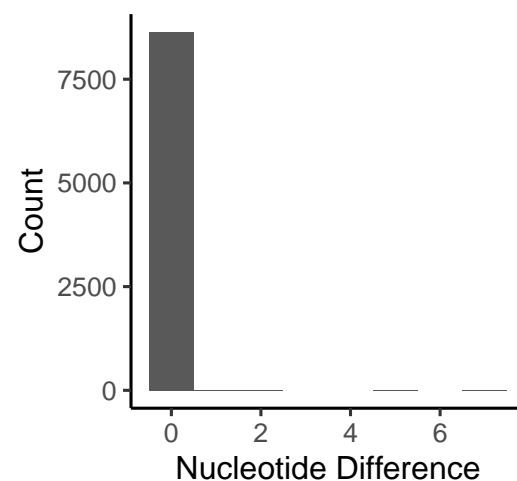
TRBV1*ap01

939 sequences assigned
936 (99.7%) exact matches, in which:
936 unique CDR3
13 unique J



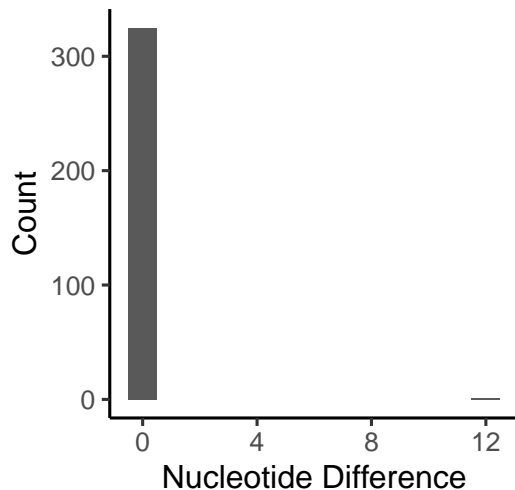
TRBV15*ap02

8644 sequences assigned
8637 (99.9%) exact matches, in which:
8633 unique CDR3
13 unique J



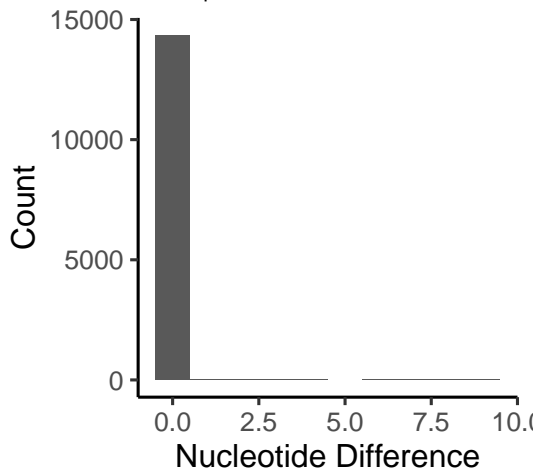
TRBV16*ap01

326 sequences assigned
325 (99.7%) exact matches, in which:
325 unique CDR3
13 unique J



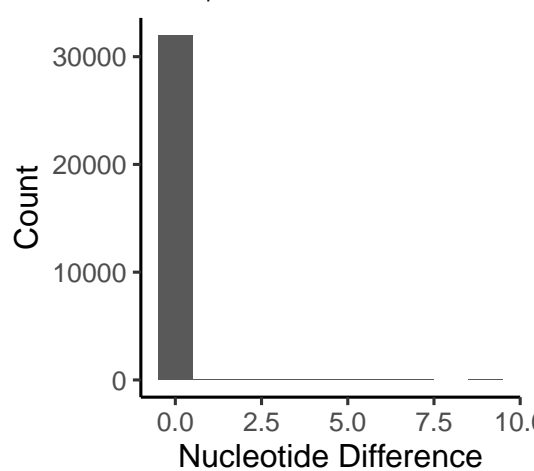
TRBV19*ap01

14393 sequences assigned
14349 (99.7%) exact matches, in which:
14349 unique CDR3
13 unique J



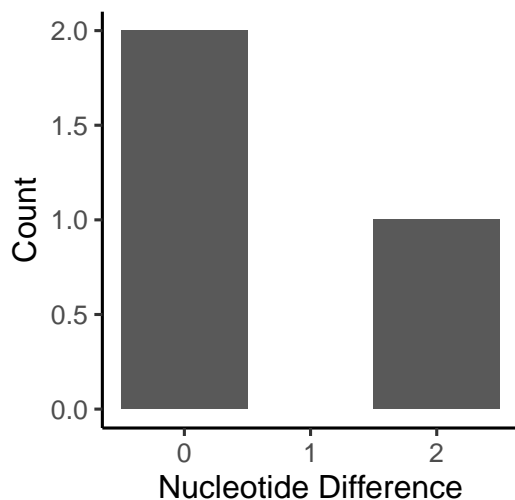
TRBV27*ap01

32092 sequences assigned
31997 (99.7%) exact matches, in which:
31962 unique CDR3
13 unique J



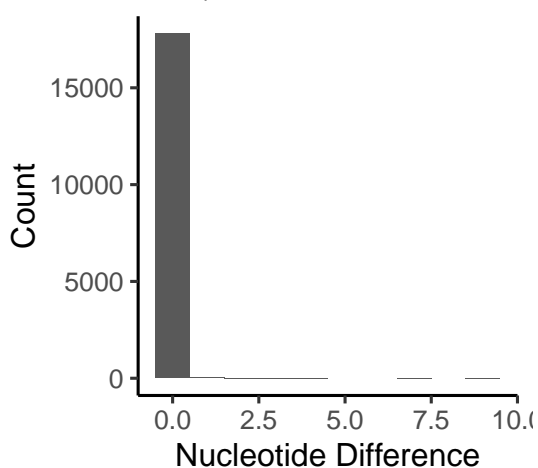
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



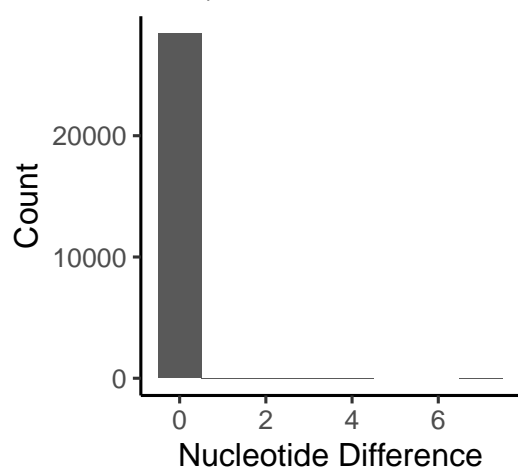
TRBV2*ap01

17847 sequences assigned
17806 (99.8%) exact matches, in which:
17794 unique CDR3
13 unique J



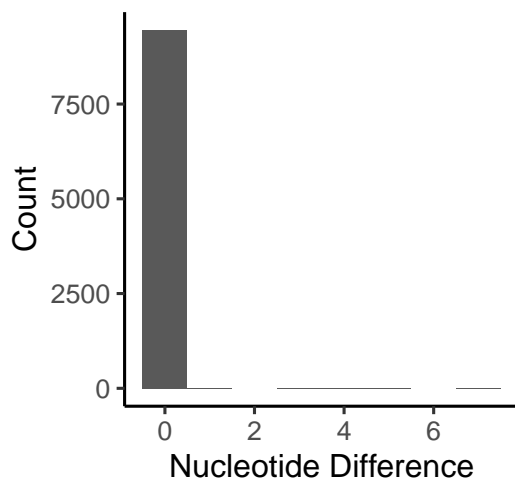
TRBV28*ap01

28491 sequences assigned
28432 (99.8%) exact matches, in which:
28431 unique CDR3
13 unique J



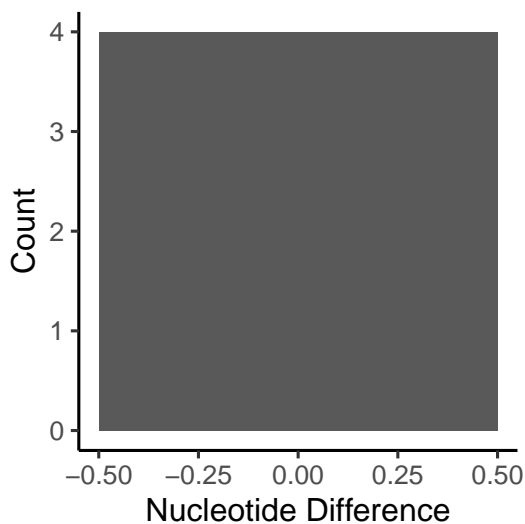
TRBV18*ap01

9463 sequences assigned
9452 (99.9%) exact matches, in which:
9451 unique CDR3
13 unique J



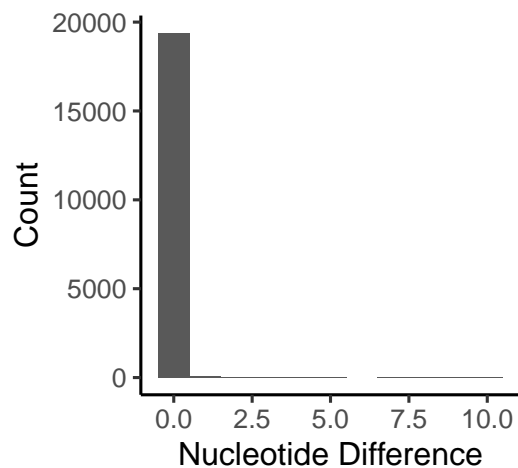
TRBV26*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
4 unique J



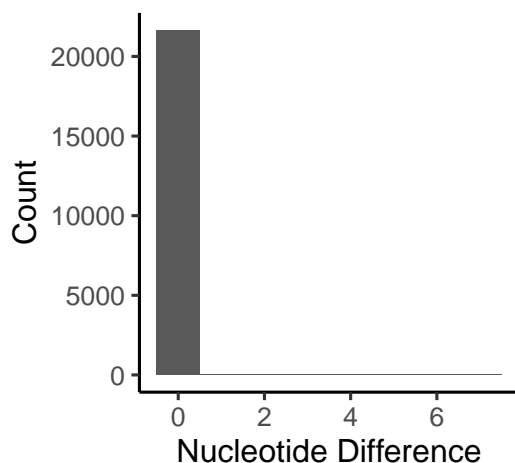
TRBV30*ap01

19484 sequences assigned
19398 (99.6%) exact matches, in which:
19374 unique CDR3
13 unique J



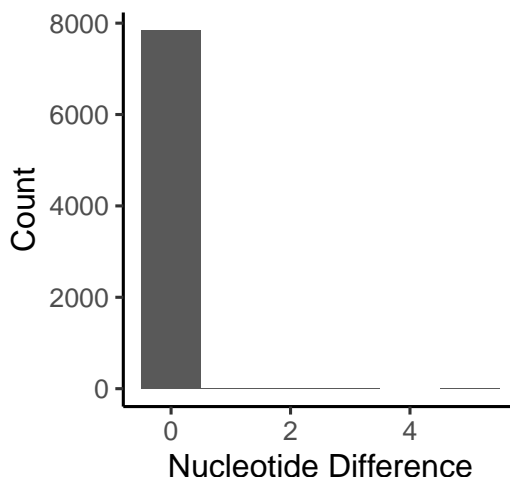
TRBV9*ap01

21686 sequences assigned
21649 (99.8%) exact matches, in which:
21644 unique CDR3
13 unique J



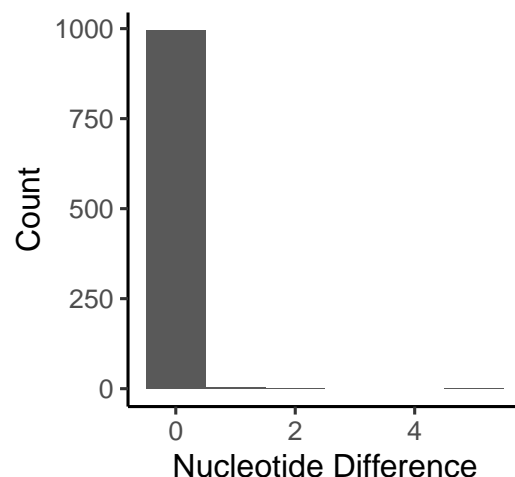
TRBV11-2*ap01

7855 sequences assigned
7841 (99.8%) exact matches, in which:
7840 unique CDR3
13 unique J



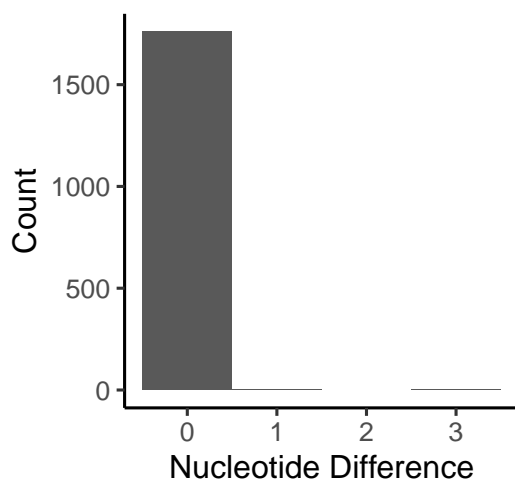
TRBV12-2*ap01

1001 sequences assigned
995 (99.4%) exact matches, in which:
994 unique CDR3
13 unique J



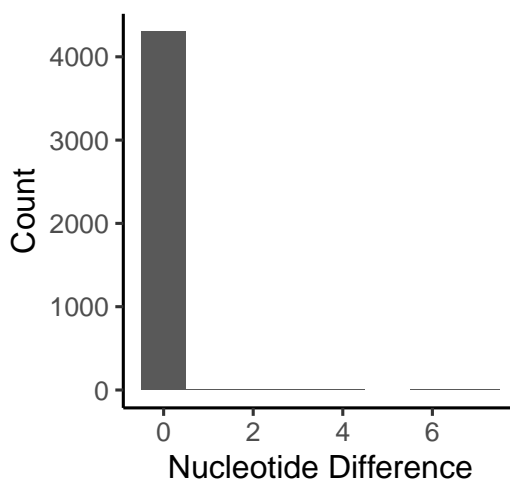
TRBV11-1*ap01

1765 sequences assigned
1760 (99.7%) exact matches, in which:
1760 unique CDR3
13 unique J



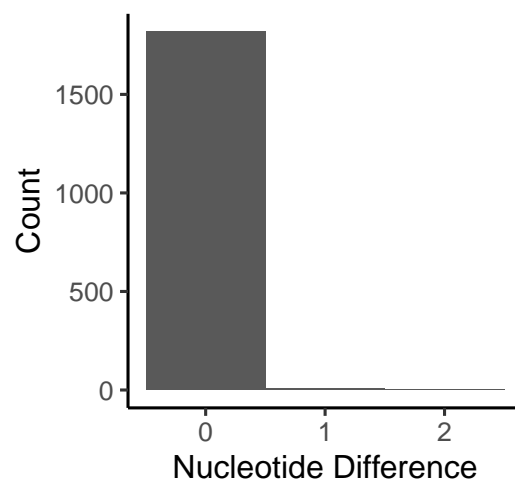
TRBV11-3*ap01

4318 sequences assigned
4301 (99.6%) exact matches, in which:
4301 unique CDR3
13 unique J



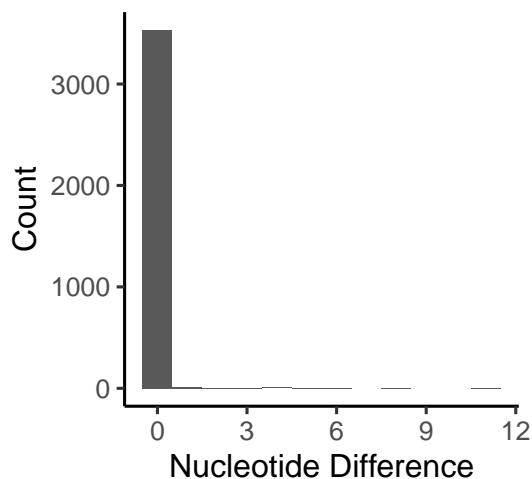
TRBV12-5*ap01

1827 sequences assigned
1818 (99.5%) exact matches, in which:
1818 unique CDR3
13 unique J



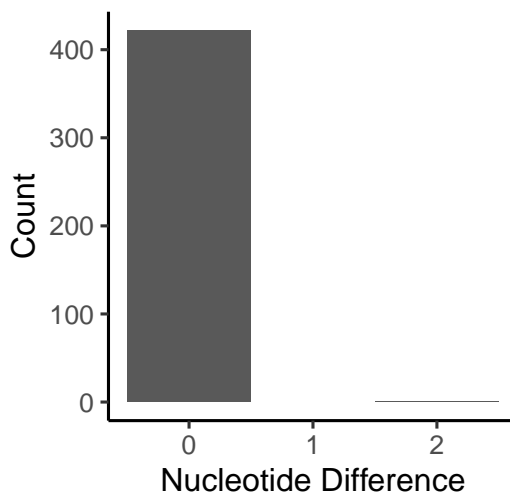
TRBV21-1*ap01

3569 sequences assigned
3532 (99%) exact matches, in which:
3531 unique CDR3
13 unique J



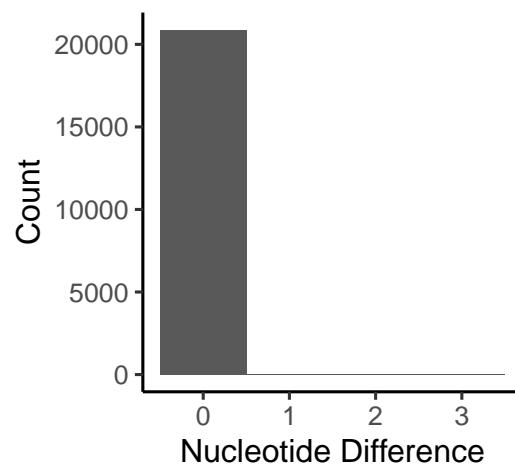
TRBV12-1*ap01

423 sequences assigned
422 (99.8%) exact matches, in which:
422 unique CDR3
13 unique J



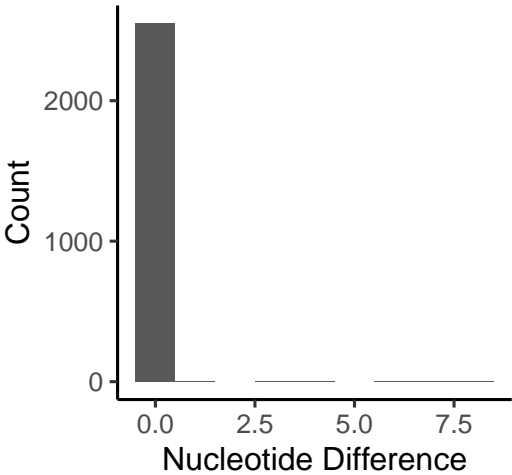
TRBV12-34*ap01

20912 sequences assigned
20882 (99.9%) exact matches, in which:
20879 unique CDR3
13 unique J



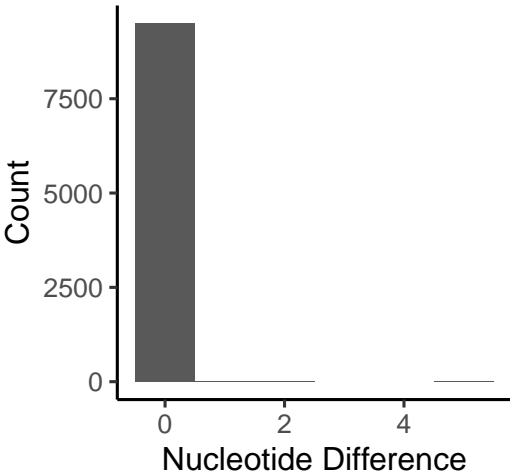
TRBV23-1*ap01

2560 sequences assigned
2550 (99.6%) exact matches, in which:
2550 unique CDR3
13 unique J



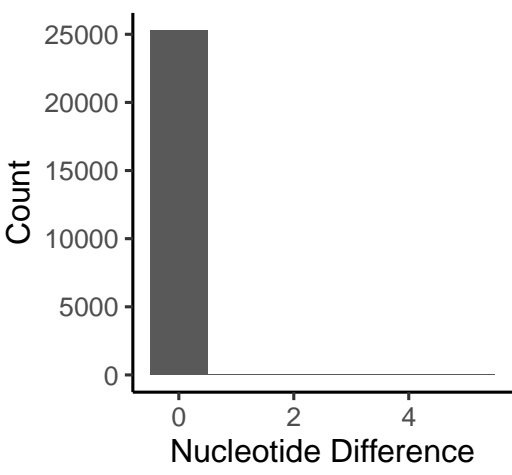
TRBV4-1*ap01

9511 sequences assigned
9496 (99.8%) exact matches, in which:
9495 unique CDR3
13 unique J



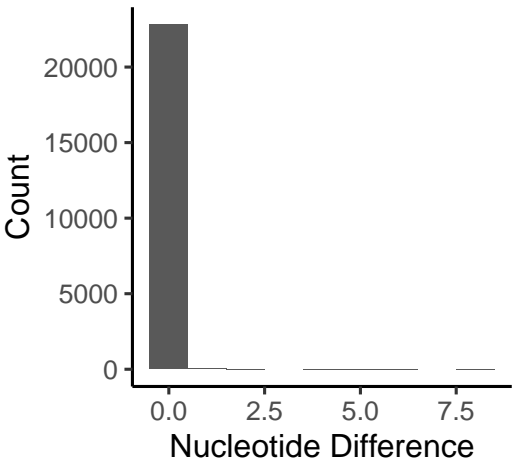
TRBV5-1*ap01

25340 sequences assigned
25304 (99.9%) exact matches, in which:
25289 unique CDR3
13 unique J



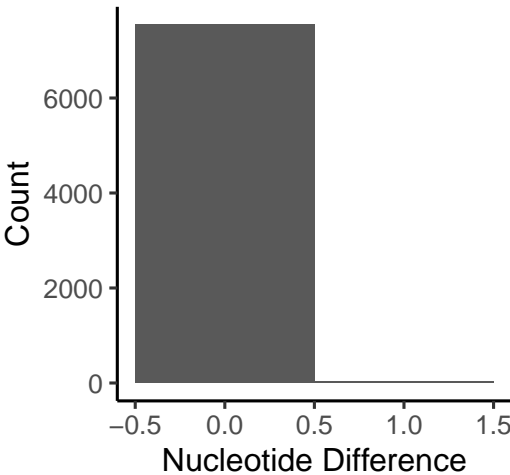
TRBV3-12*ap01

22896 sequences assigned
22818 (99.7%) exact matches, in which:
22790 unique CDR3
13 unique J



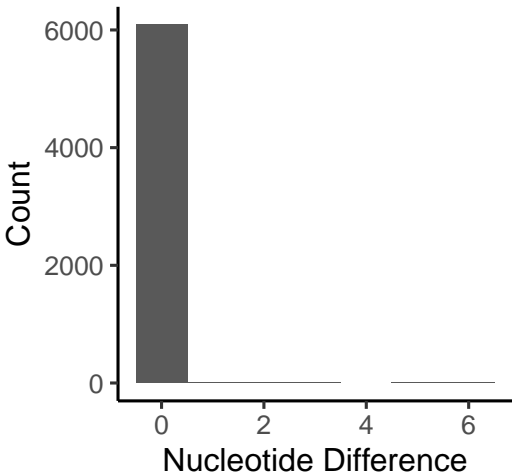
TRBV4-2*ap01

7569 sequences assigned
7543 (99.7%) exact matches, in which:
7543 unique CDR3
13 unique J



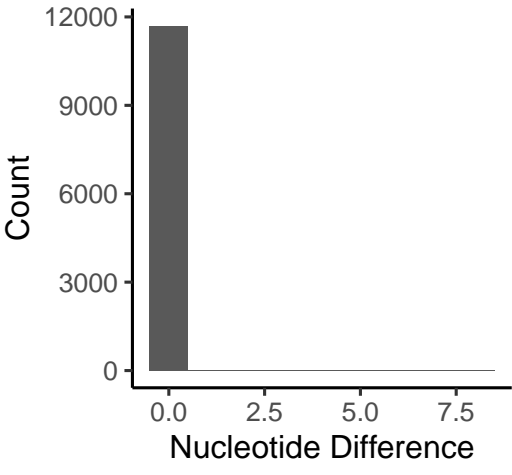
TRBV25-1*ap01

6112 sequences assigned
6089 (99.6%) exact matches, in which:
6081 unique CDR3
13 unique J



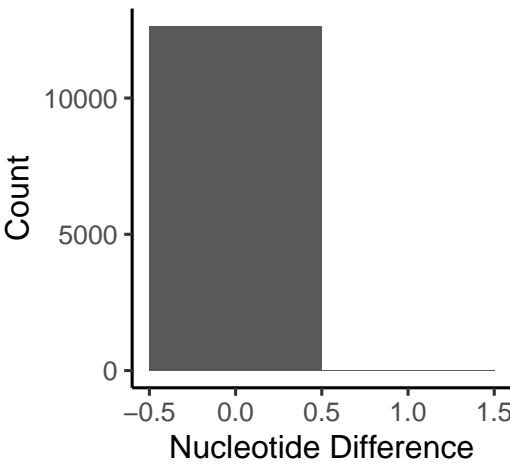
TRBV24-1*ap01

11746 sequences assigned
11699 (99.6%) exact matches, in which:
11683 unique CDR3
13 unique J



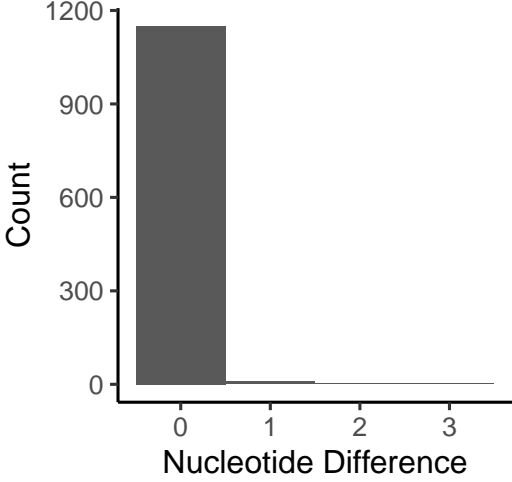
TRBV4-3*ap01

12671 sequences assigned
12651 (99.8%) exact matches, in which:
12650 unique CDR3
13 unique J



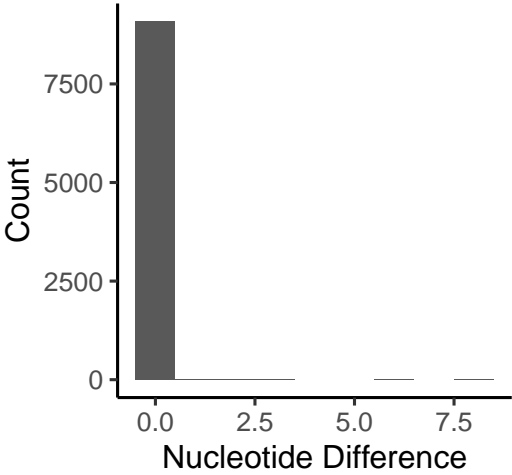
TRBV5-3*ap01

1165 sequences assigned
1150 (98.7%) exact matches, in which:
1150 unique CDR3
13 unique J



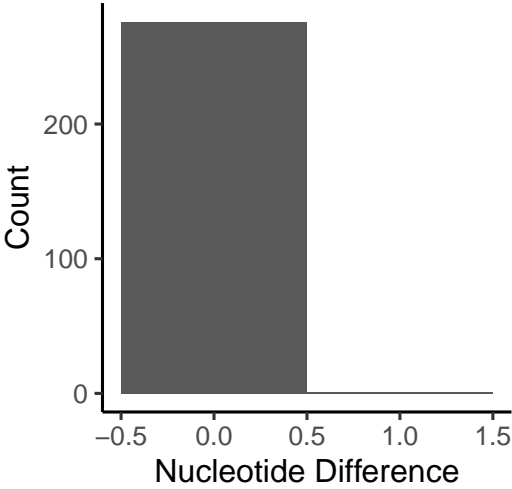
TRBV5-4*ap01

9101 sequences assigned
9085 (99.8%) exact matches, in which:
9085 unique CDR3
13 unique J



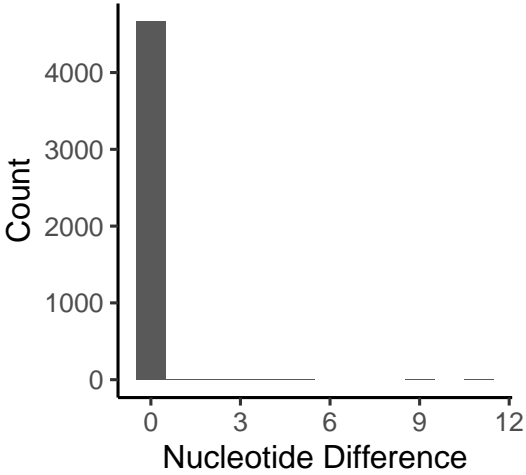
TRBV5-7*ap01

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



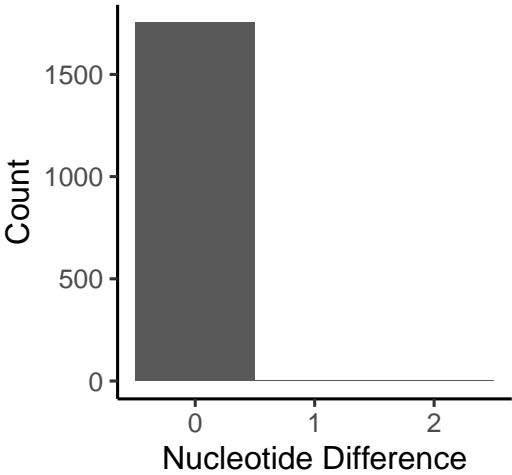
TRBV6-4*ap01

4693 sequences assigned
4666 (99.4%) exact matches, in which:
4665 unique CDR3
13 unique J



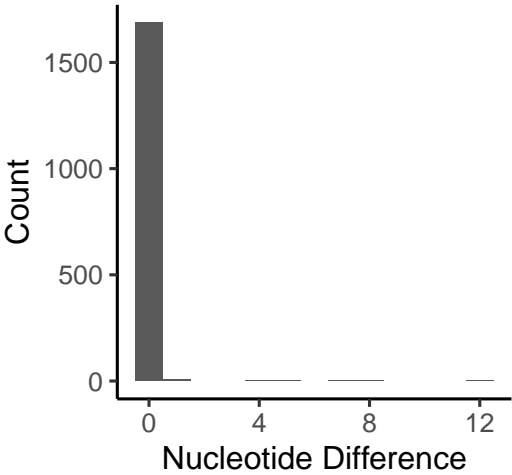
TRBV5-5*ap01

1758 sequences assigned
1753 (99.7%) exact matches, in which:
1752 unique CDR3
13 unique J



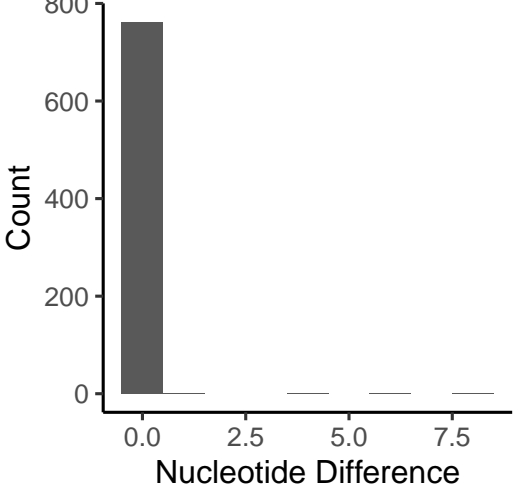
TRBV5-8*ap01

1701 sequences assigned
1687 (99.2%) exact matches, in which:
1687 unique CDR3
13 unique J



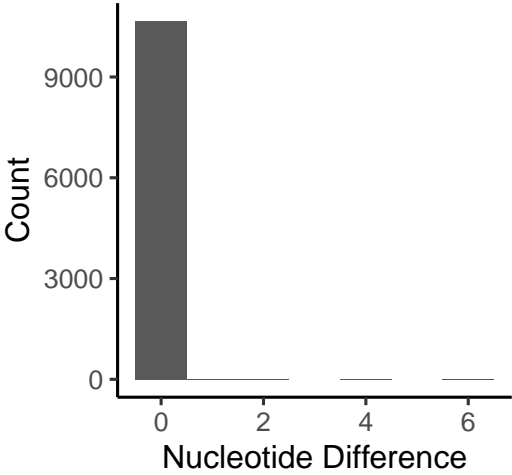
TRBV6-7*ap01

766 sequences assigned
762 (99.5%) exact matches, in which:
762 unique CDR3
13 unique J



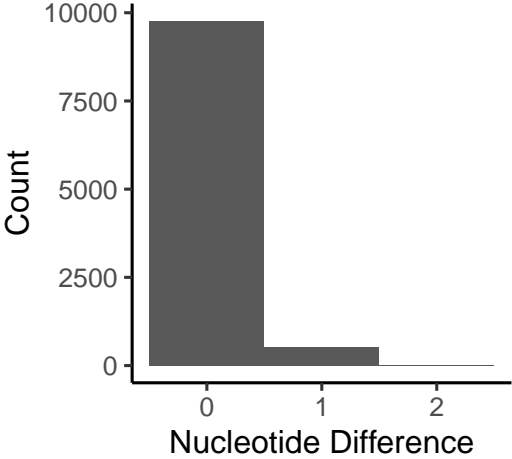
TRBV5-6*ap01

10676 sequences assigned
10665 (99.9%) exact matches, in which:
10657 unique CDR3
13 unique J



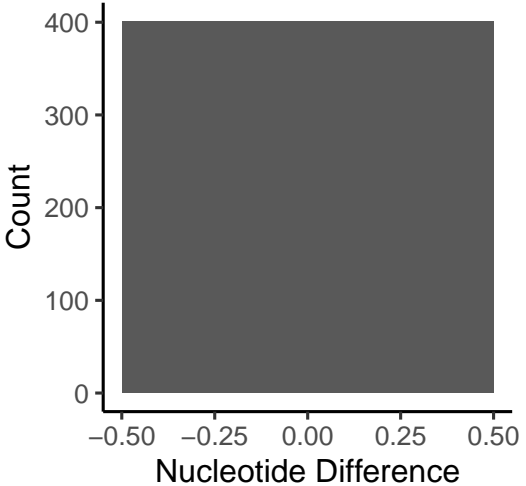
TRBV6-1*ap01

10294 sequences assigned
9772 (94.9%) exact matches, in which:
9770 unique CDR3
13 unique J



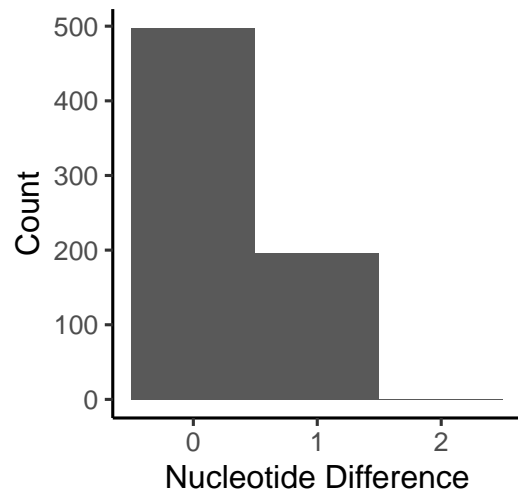
TRBV6-8*ap01

401 sequences assigned
401 (100%) exact matches, in which:
401 unique CDR3
13 unique J



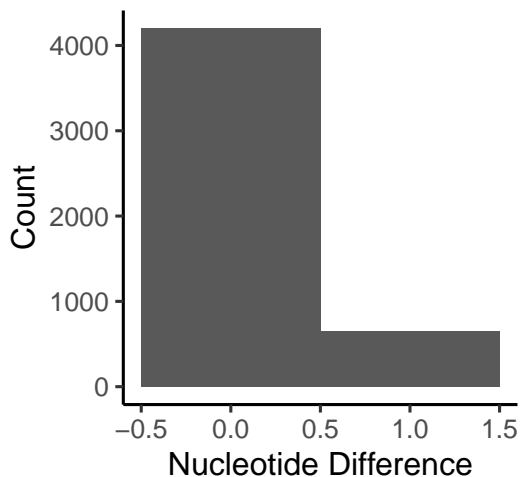
TRBV6–9*ap01

695 sequences assigned
498 (71.7%) exact matches, in which:
498 unique CDR3
13 unique J



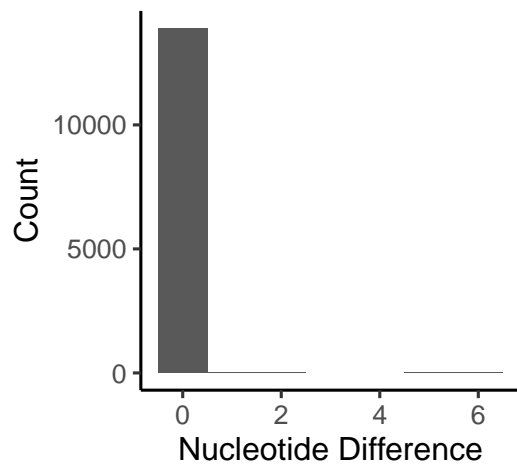
TRBV6–56*ap02

4847 sequences assigned
4200 (86.7%) exact matches, in which:
4200 unique CDR3
13 unique J



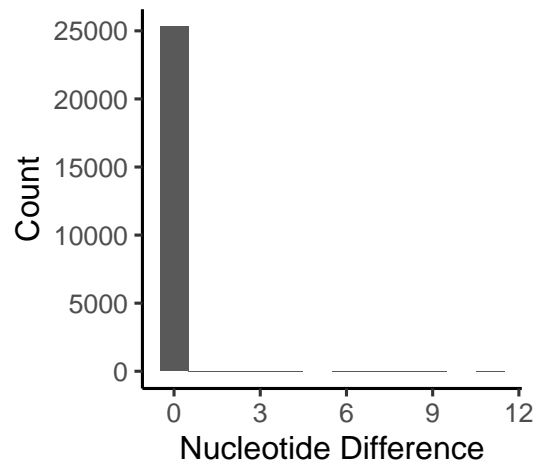
TRBV7–2*ap01

13923 sequences assigned
13901 (99.8%) exact matches, in which:
13900 unique CDR3
13 unique J



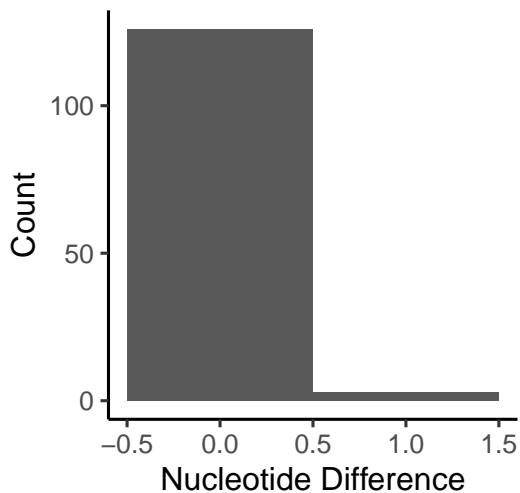
TRBV6–23*ap01

25381 sequences assigned
25321 (99.8%) exact matches, in which:
25302 unique CDR3
13 unique J



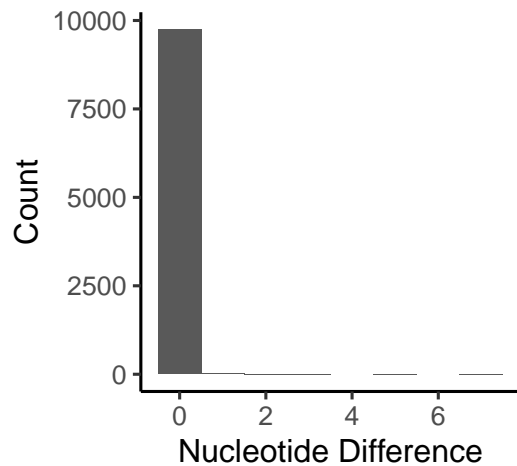
TRBV7–1*ap01_G291C_

129 sequences assigned
126 (97.7%) exact matches, in which:
126 unique CDR3
12 unique J



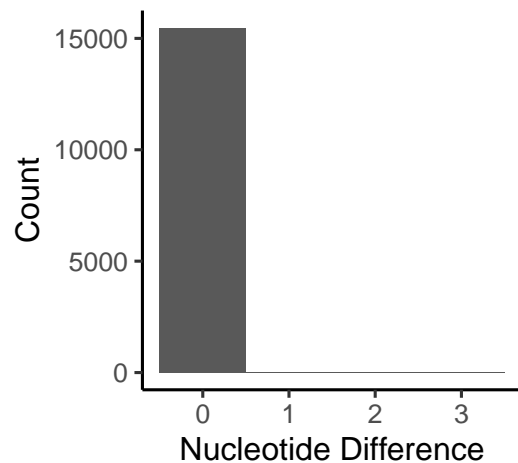
TRBV7–3*ap01

9771 sequences assigned
9746 (99.7%) exact matches, in which:
9739 unique CDR3
13 unique J



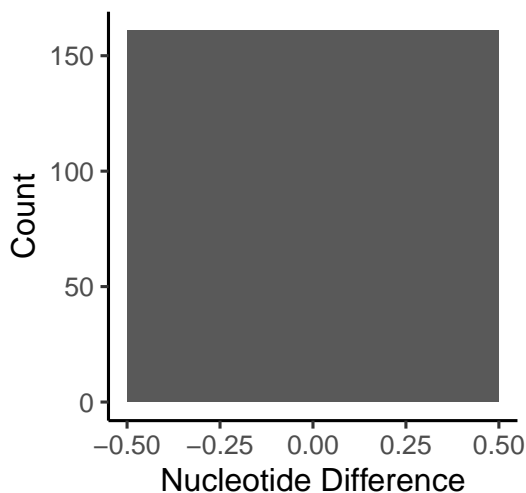
TRBV6–56*ap01

15497 sequences assigned
15475 (99.9%) exact matches, in which:
15468 unique CDR3
13 unique J



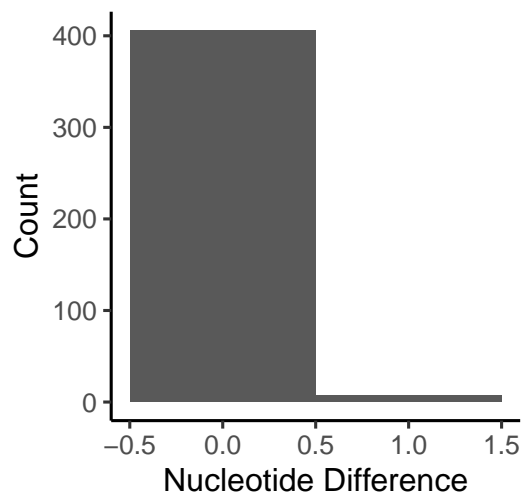
TRBV7–1*ap01_G291C_

161 sequences assigned
161 (100%) exact matches, in which:
161 unique CDR3
13 unique J



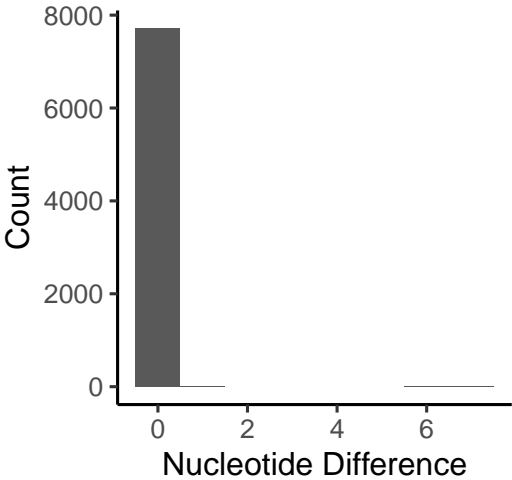
TRBV7–4*ap01

413 sequences assigned
406 (98.3%) exact matches, in which:
406 unique CDR3
13 unique J



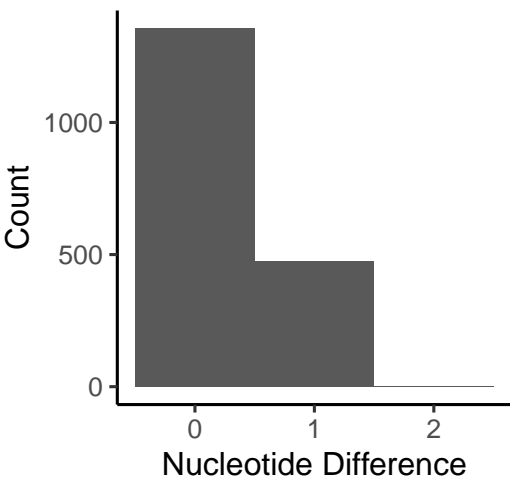
TRBV7-6*ap01

7724 sequences assigned
7714 (99.9%) exact matches, in which:
7714 unique CDR3
13 unique J



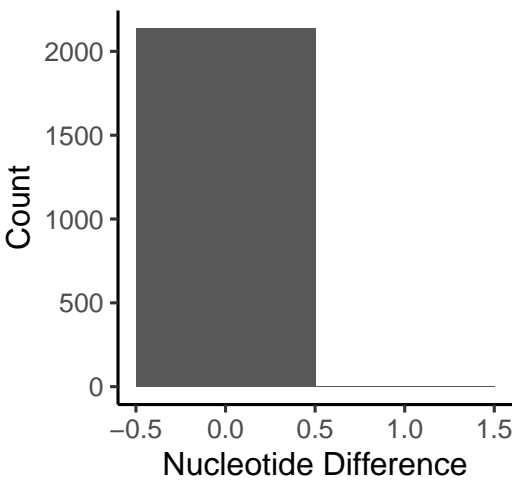
TRBV7-8*ap03

1833 sequences assigned
1356 (74%) exact matches, in which:
1356 unique CDR3
13 unique J



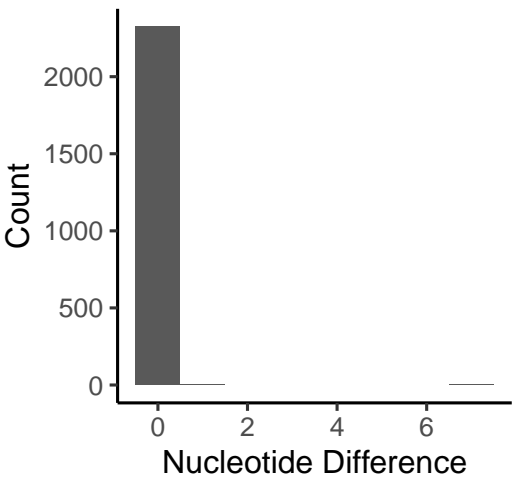
TRBV29-1*ap02

2140 sequences assigned
2137 (99.9%) exact matches, in which:
2129 unique CDR3
13 unique J



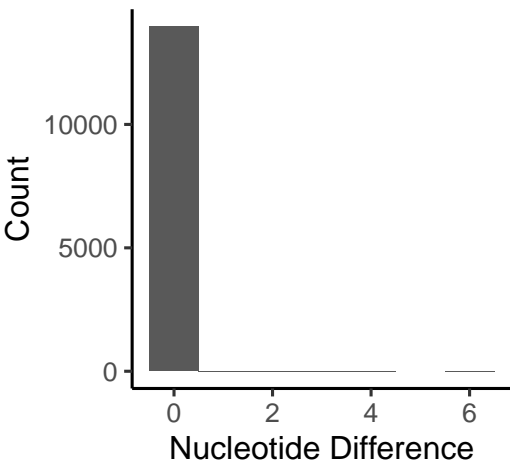
TRBV7-7*ap01

2328 sequences assigned
2324 (99.8%) exact matches, in which:
2324 unique CDR3
13 unique J



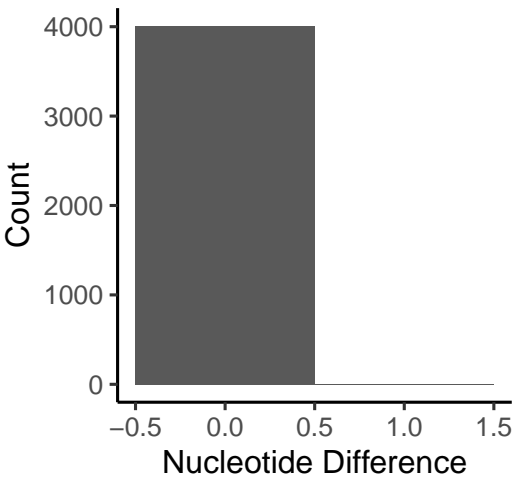
TRBV7-9*ap01

13992 sequences assigned
13968 (99.8%) exact matches, in which:
13968 unique CDR3
13 unique J



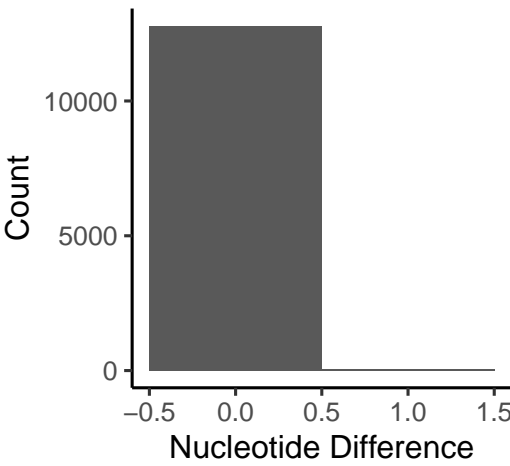
TRBV7-8*ap01

4011 sequences assigned
4007 (99.9%) exact matches, in which:
4006 unique CDR3
13 unique J

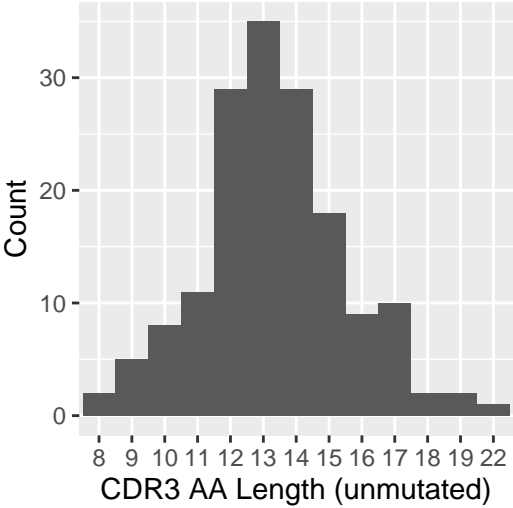


TRBV29-1*ap01

12832 sequences assigned
12788 (99.7%) exact matches, in which:
12751 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C

