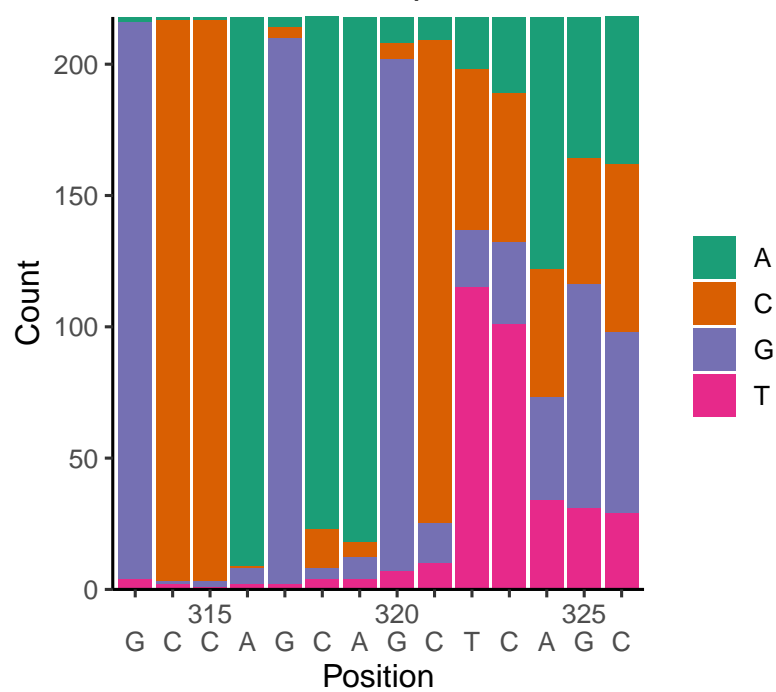
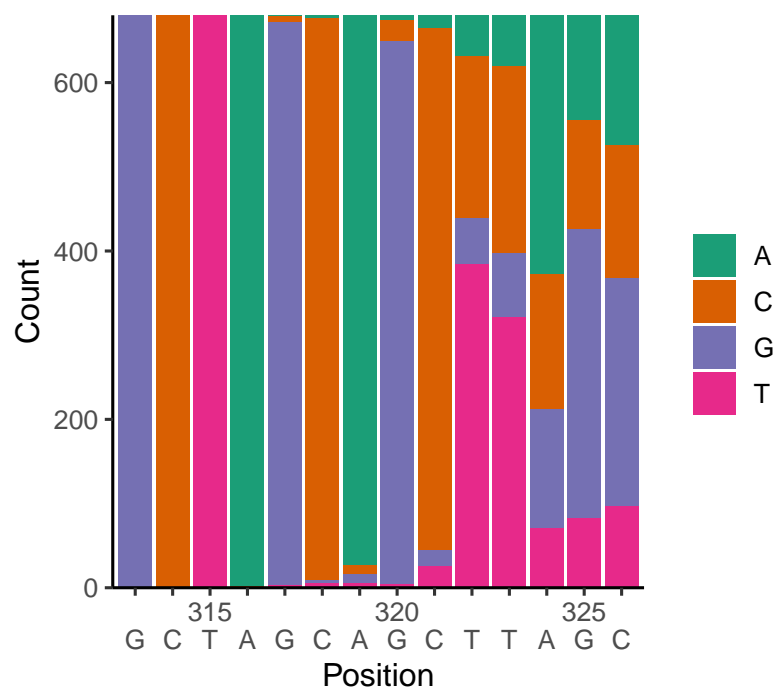


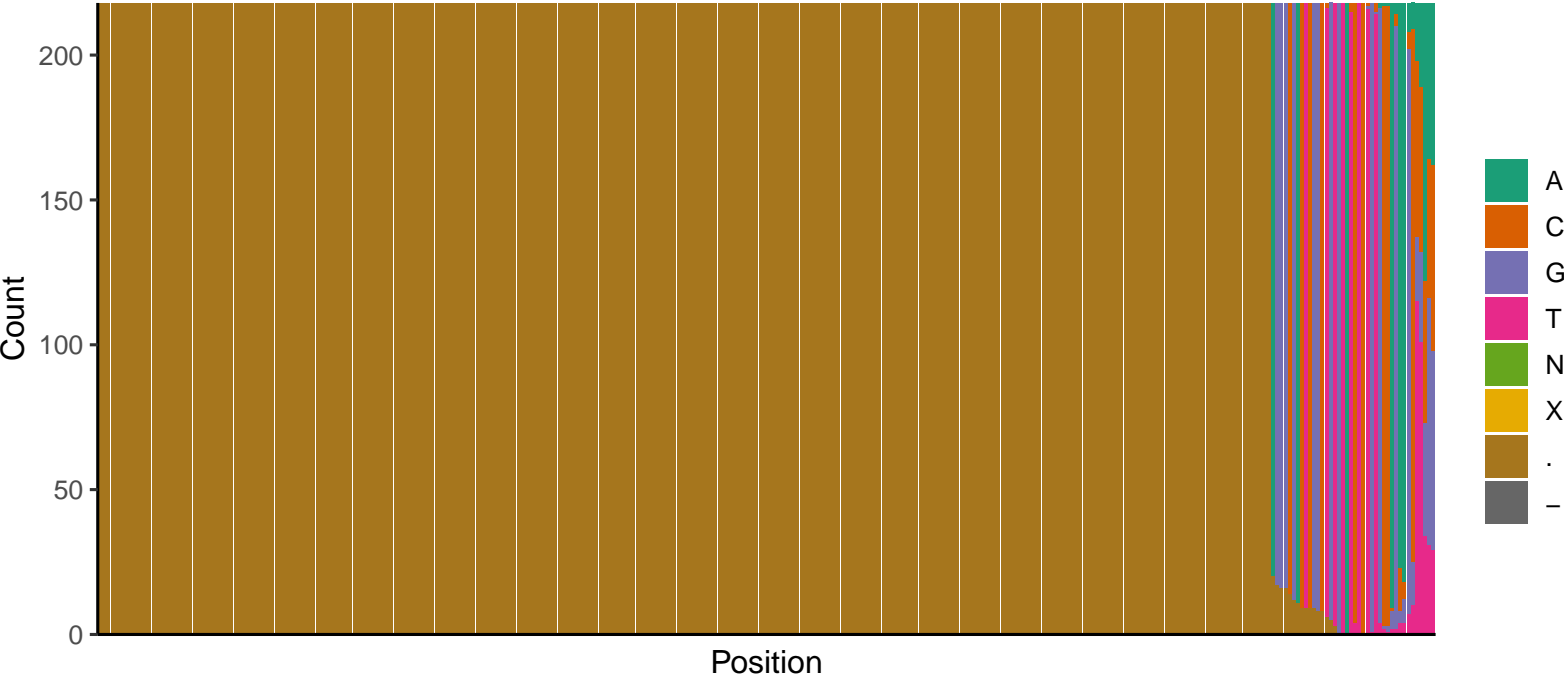
Gene TRBV7-1*ap01_G291C_T296C



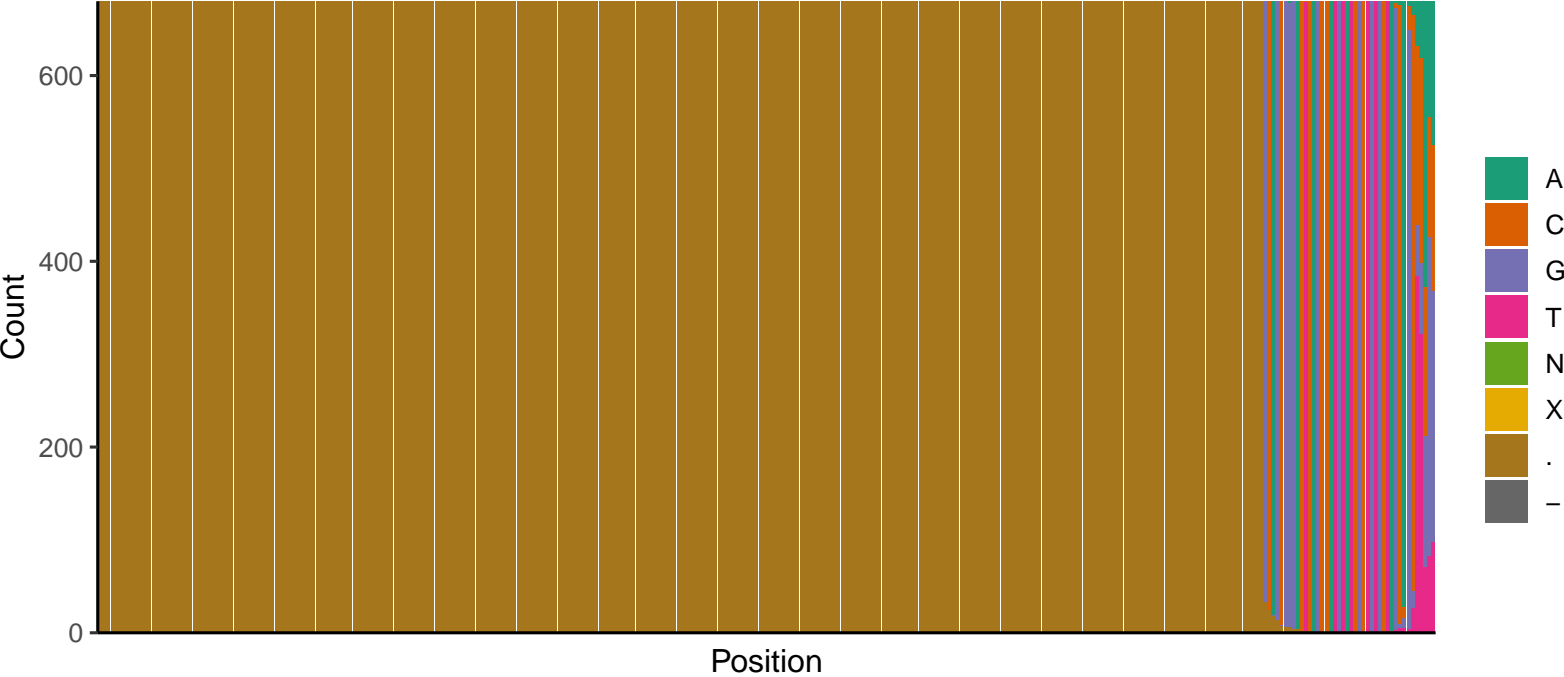
Gene TRBV7-7*ap01_C315T



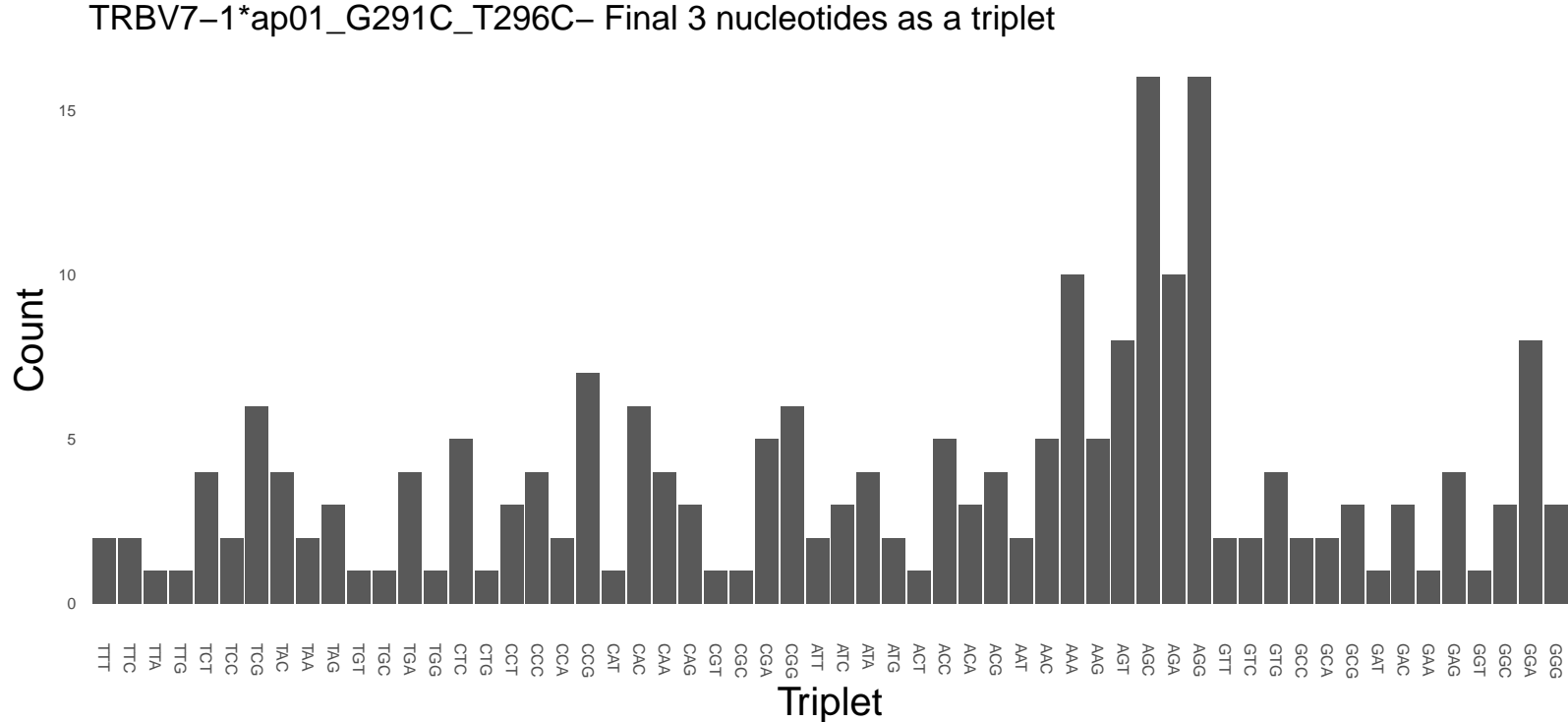
Gene TRBV7-1*ap01_G291C_T296C



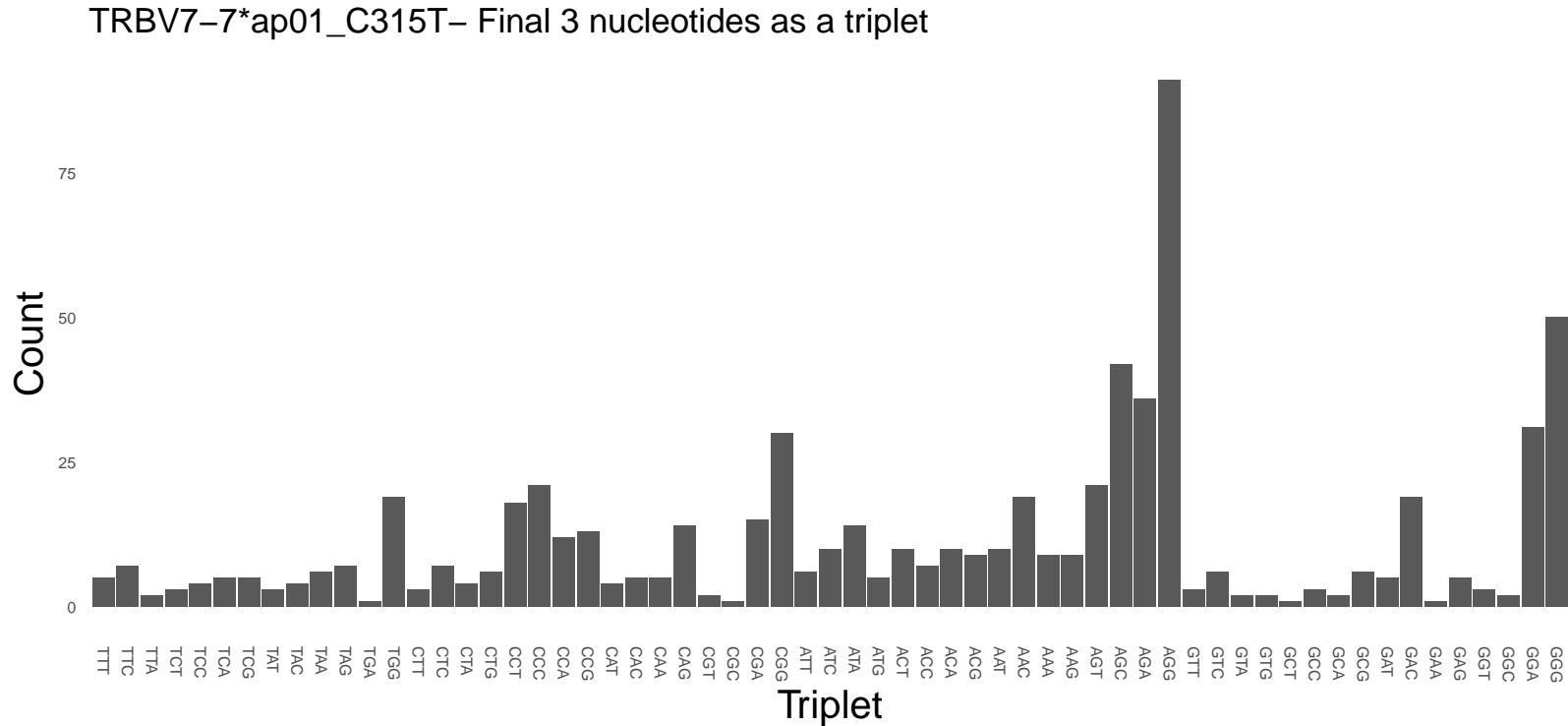
Gene TRBV7-7*ap01_C315T



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

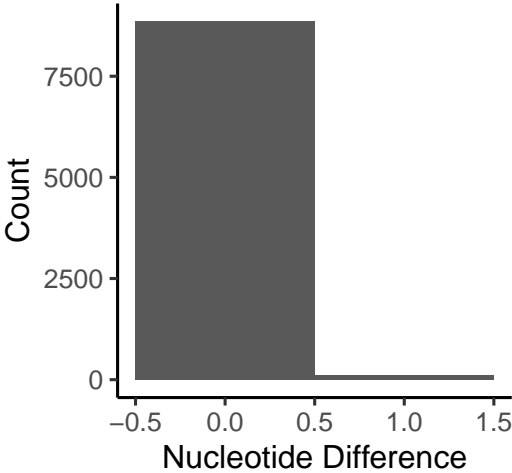


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



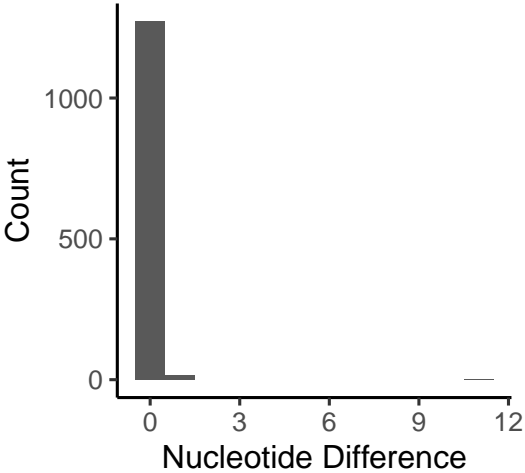
TRBV20-1*ap01

8961 sequences assigned
8855 (98.8%) exact matches, in which:
8647 unique CDR3
13 unique J



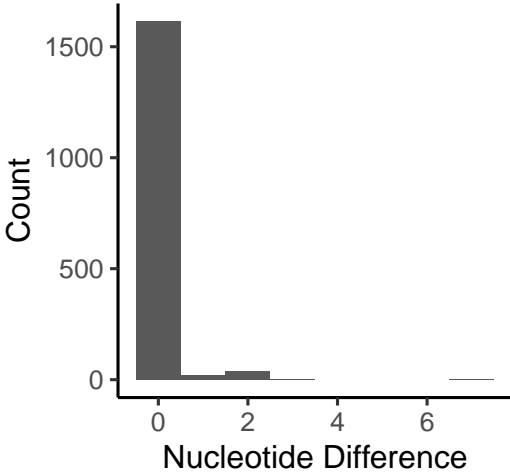
TRBV10-2*ap01

1290 sequences assigned
1272 (98.6%) exact matches, in which:
1234 unique CDR3
13 unique J



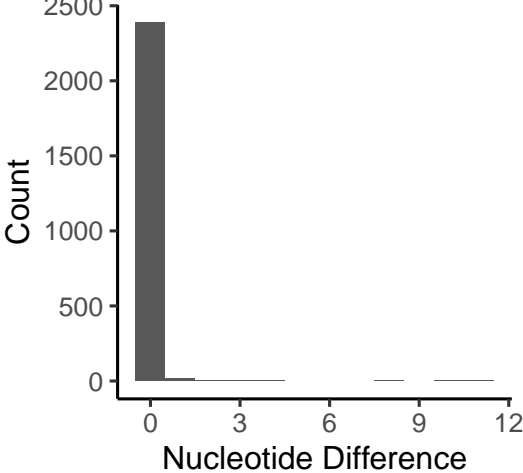
TRBV13*ap01

1672 sequences assigned
1614 (96.5%) exact matches, in which:
1557 unique CDR3
13 unique J



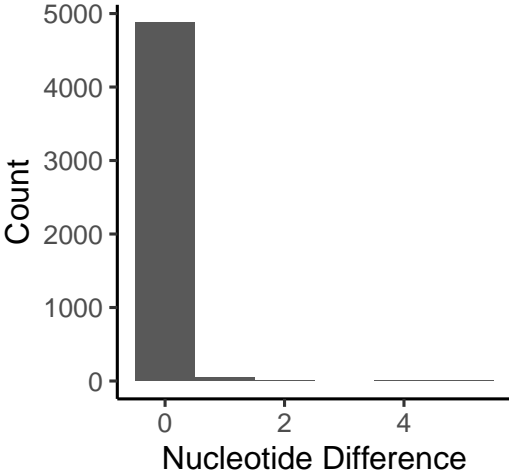
TRBV10-1*ap01

2411 sequences assigned
2387 (99%) exact matches, in which:
2314 unique CDR3
13 unique J



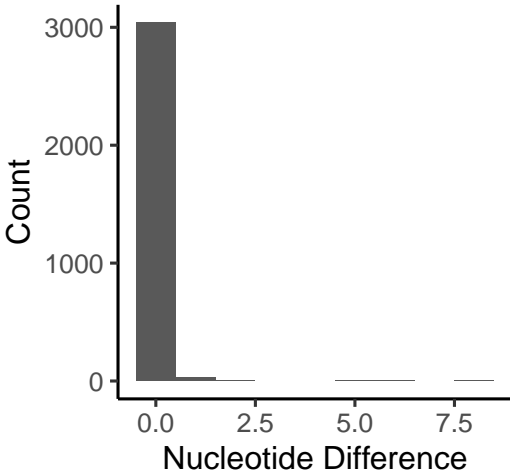
TRBV10-3*ap01

4931 sequences assigned
4875 (98.9%) exact matches, in which:
4758 unique CDR3
13 unique J



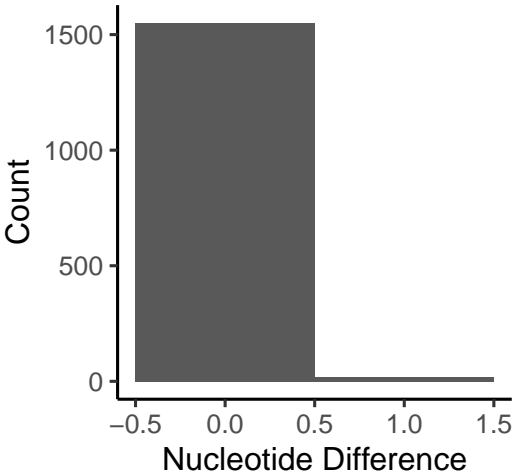
TRBV14*ap01

3071 sequences assigned
3039 (99%) exact matches, in which:
2946 unique CDR3
13 unique J



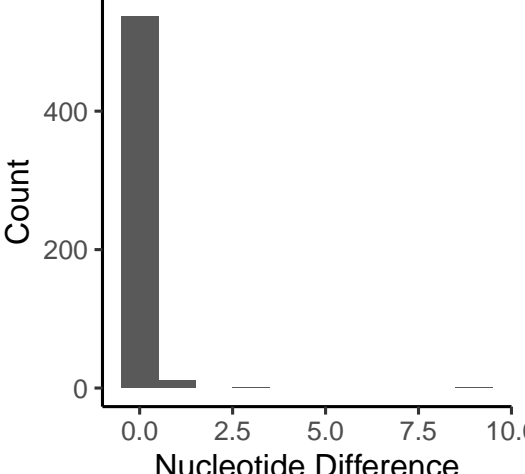
TRBV20-1*ap02

1570 sequences assigned
1550 (98.7%) exact matches, in which:
1507 unique CDR3
13 unique J



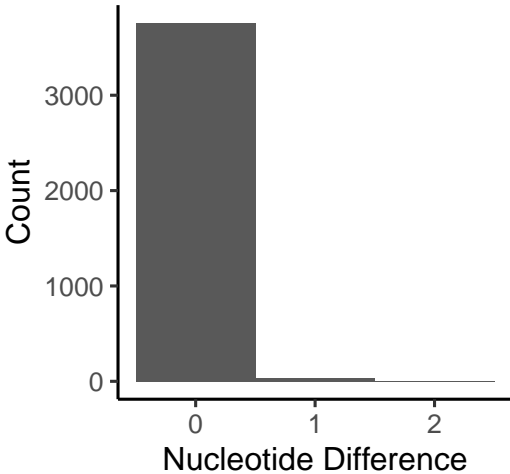
TRBV1*ap01

550 sequences assigned
537 (97.6%) exact matches, in which:
512 unique CDR3
13 unique J



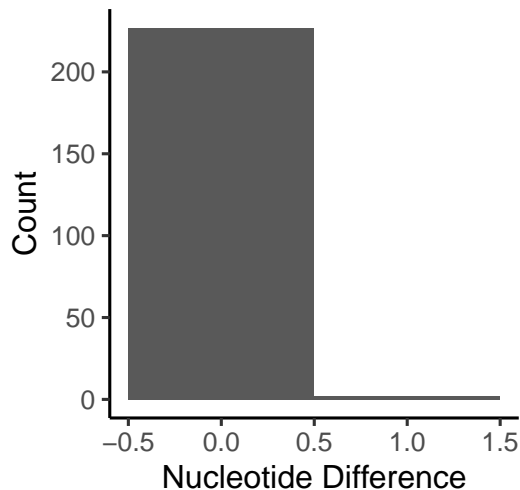
TRBV15*ap02

3793 sequences assigned
3757 (99.1%) exact matches, in which:
3638 unique CDR3
13 unique J



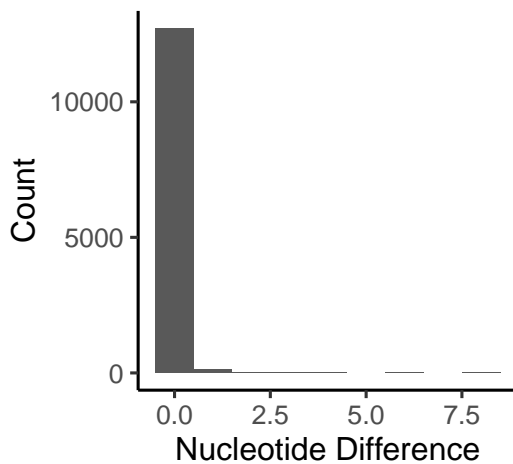
TRBV16*ap01

229 sequences assigned
227 (99.1%) exact matches, in which:
223 unique CDR3
13 unique J



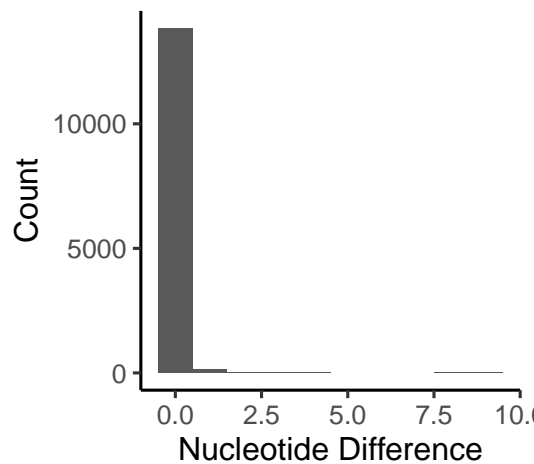
TRBV19*ap01

12863 sequences assigned
12717 (98.9%) exact matches, in which:
12524 unique CDR3
13 unique J



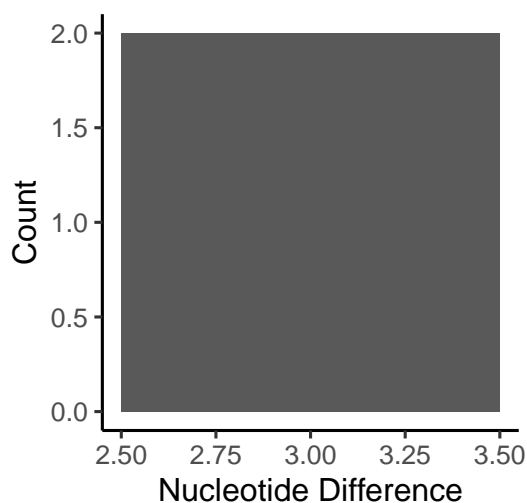
TRBV27*ap01

14014 sequences assigned
13840 (98.8%) exact matches, in which:
13403 unique CDR3
13 unique J



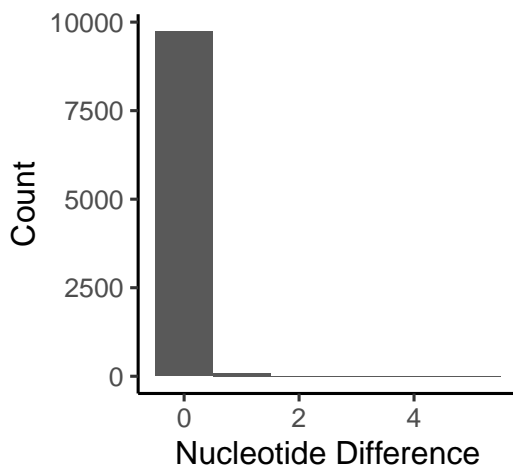
TRBV17*ap01

2 sequences assigned
No exact matches.



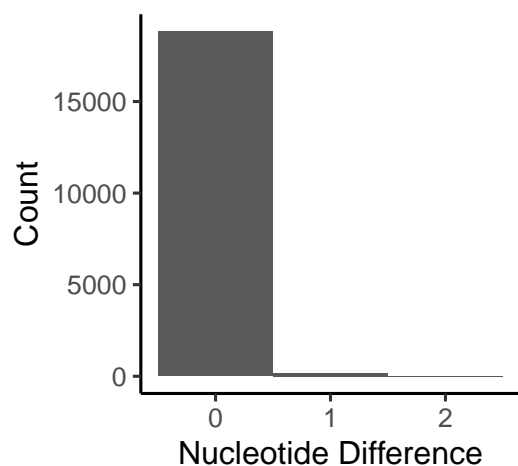
TRBV2*ap01

9838 sequences assigned
9736 (99%) exact matches, in which:
9477 unique CDR3
13 unique J



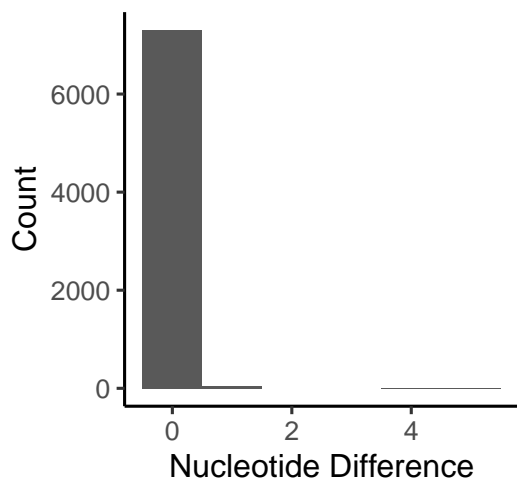
TRBV28*ap01

18998 sequences assigned
18825 (99.1%) exact matches, in which:
18358 unique CDR3
13 unique J



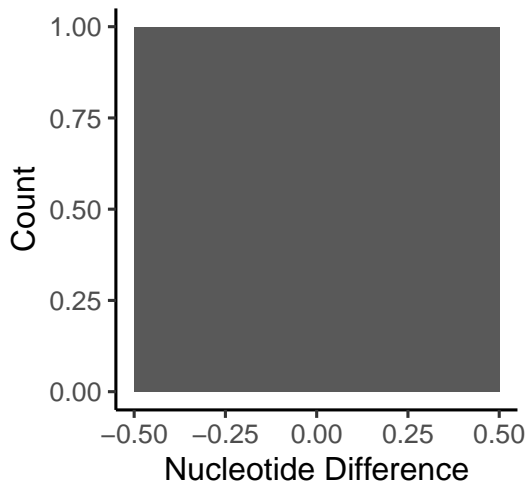
TRBV18*ap01

7359 sequences assigned
7305 (99.3%) exact matches, in which:
7149 unique CDR3
13 unique J



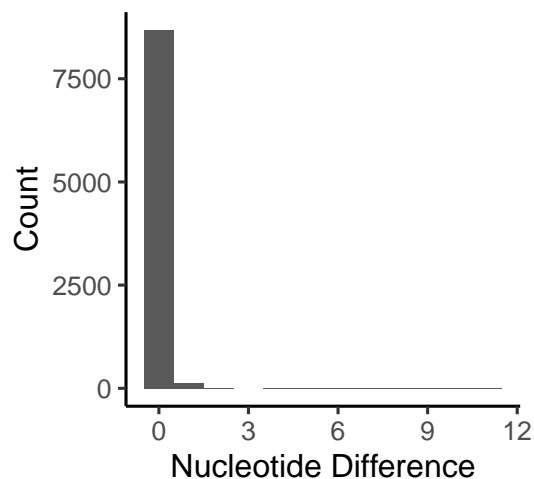
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



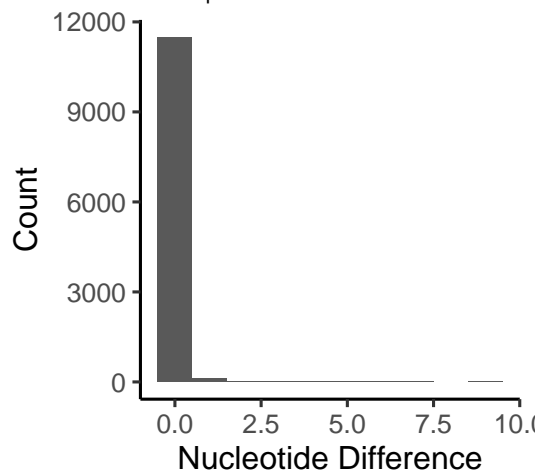
TRBV30*ap01

8823 sequences assigned
8680 (98.4%) exact matches, in which:
8439 unique CDR3
13 unique J



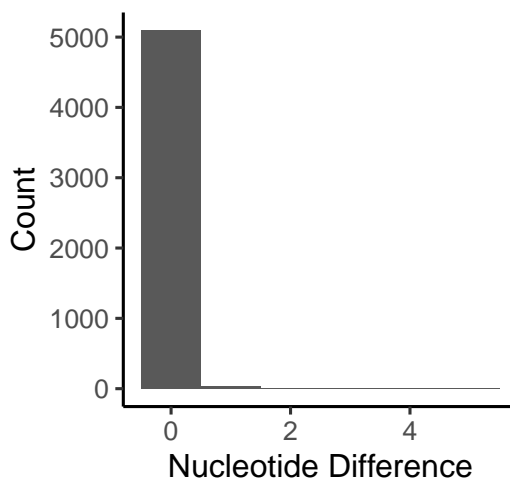
TRBV9*ap01

11605 sequences assigned
11492 (99%) exact matches, in which:
11255 unique CDR3
13 unique J



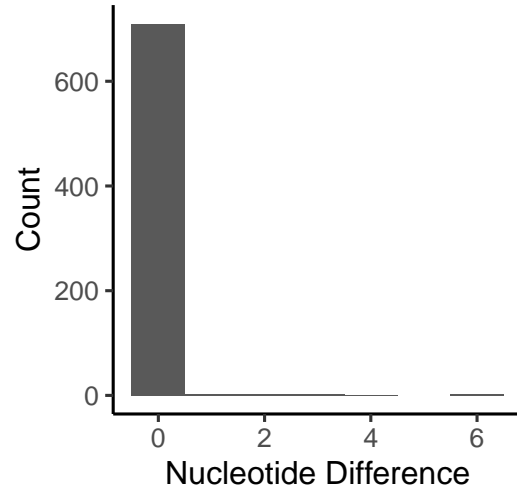
TRBV11-2*ap01

5128 sequences assigned
5095 (99.4%) exact matches, in which:
5032 unique CDR3
13 unique J



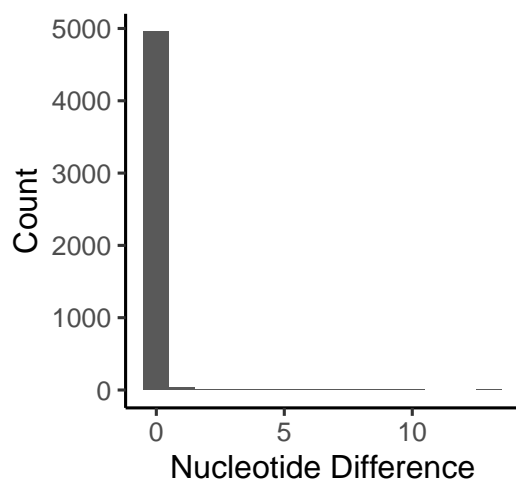
TRBV12-2*ap01

720 sequences assigned
710 (98.6%) exact matches, in which:
688 unique CDR3
13 unique J



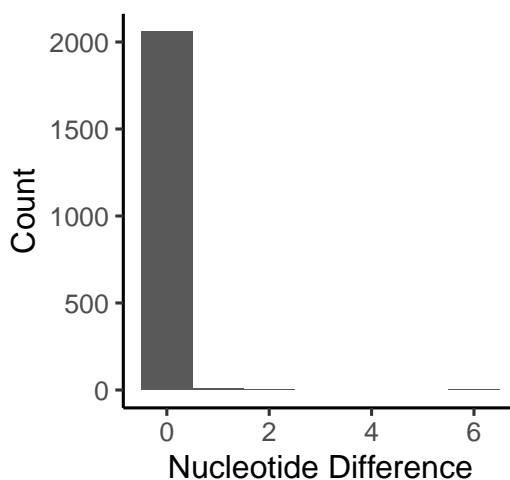
TRBV21-1*ap01

5014 sequences assigned
4955 (98.8%) exact matches, in which:
4861 unique CDR3
13 unique J



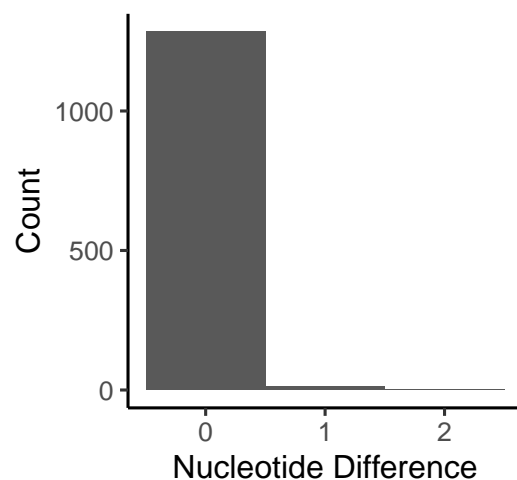
TRBV11-3*ap01

2071 sequences assigned
2059 (99.4%) exact matches, in which:
2044 unique CDR3
13 unique J



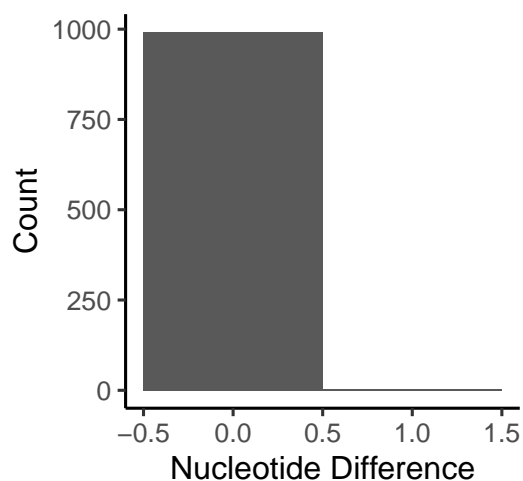
TRBV12-5*ap01

1298 sequences assigned
1284 (98.9%) exact matches, in which:
1252 unique CDR3
13 unique J



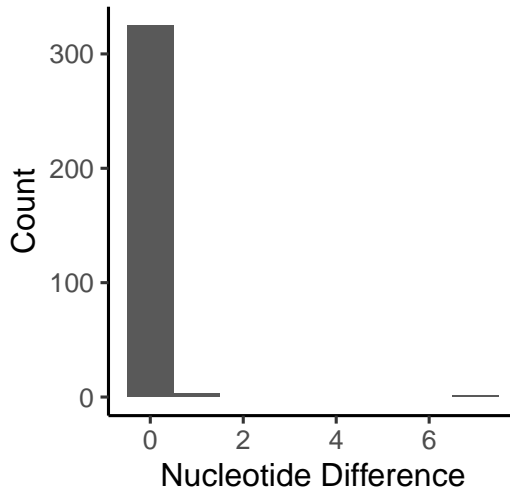
TRBV11-1*ap01

996 sequences assigned
992 (99.6%) exact matches, in which:
976 unique CDR3
13 unique J



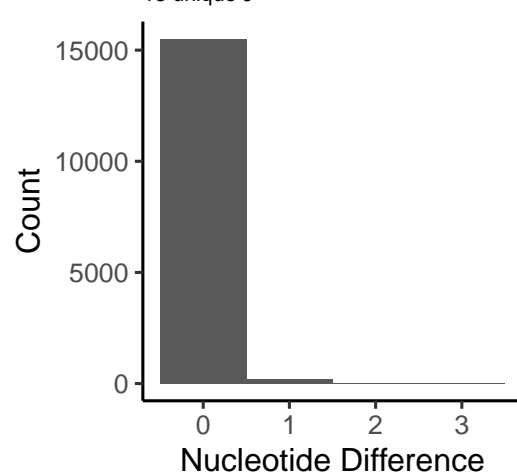
TRBV12-1*ap01

329 sequences assigned
325 (98.8%) exact matches, in which:
315 unique CDR3
13 unique J



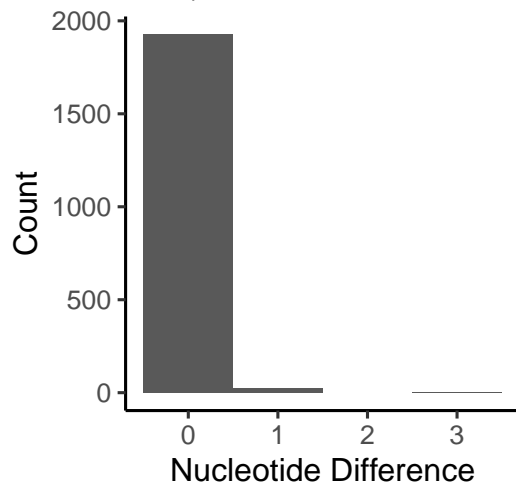
TRBV12-34*ap01

15703 sequences assigned
15511 (98.8%) exact matches, in which:
15096 unique CDR3
13 unique J



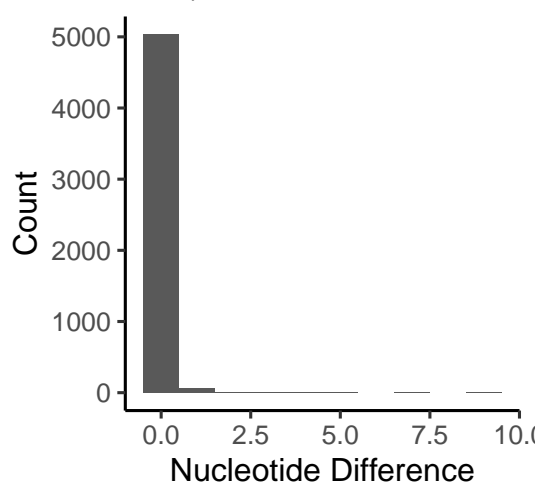
TRBV23-1*ap01

1951 sequences assigned
1927 (98.8%) exact matches, in which:
1867 unique CDR3
13 unique J



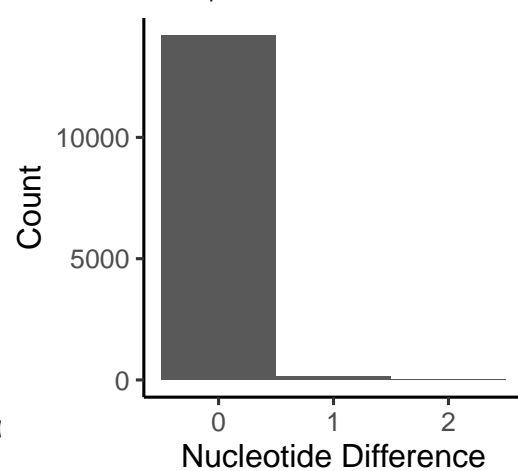
TRBV24-1*ap01

5104 sequences assigned
5034 (98.6%) exact matches, in which:
4907 unique CDR3
13 unique J



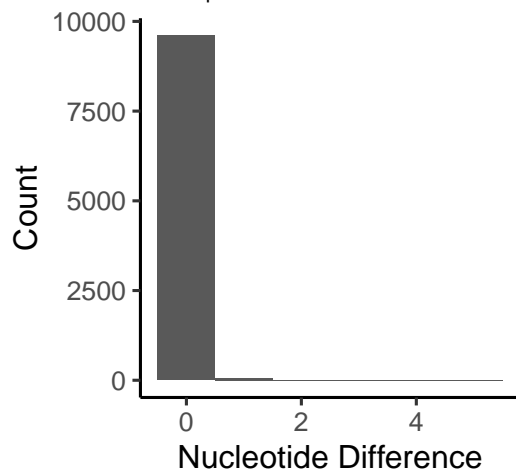
TRBV5-1*ap01

14367 sequences assigned
14216 (98.9%) exact matches, in which:
13755 unique CDR3
13 unique J



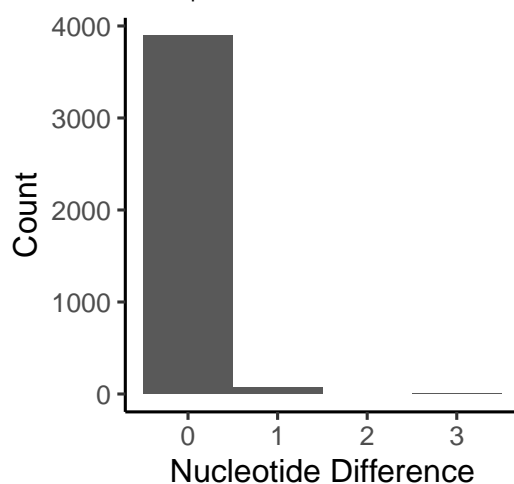
TRBV3-12*ap01

9681 sequences assigned
9608 (99.2%) exact matches, in which:
9434 unique CDR3
13 unique J



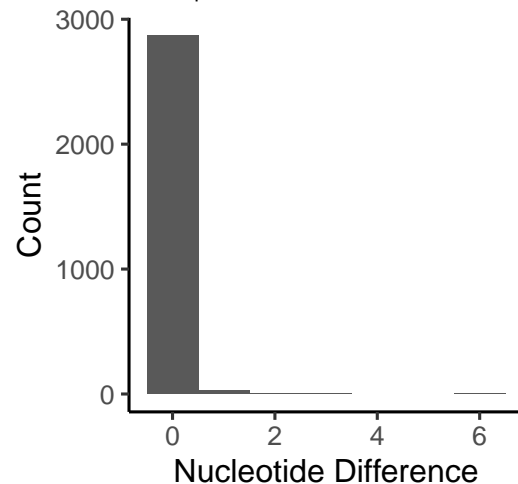
TRBV4-2*ap01

3961 sequences assigned
3894 (98.3%) exact matches, in which:
3795 unique CDR3
13 unique J



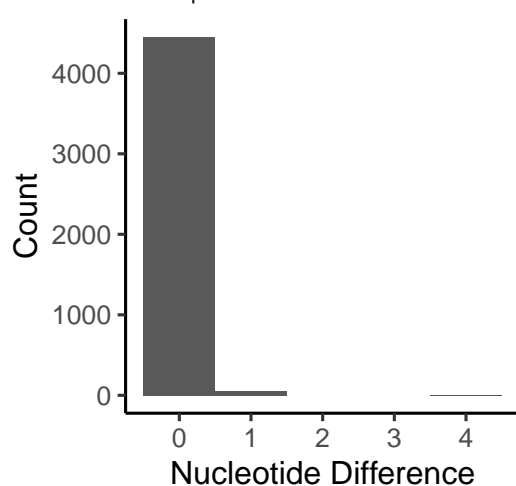
TRBV25-1*ap01

2899 sequences assigned
2868 (98.9%) exact matches, in which:
2781 unique CDR3
13 unique J



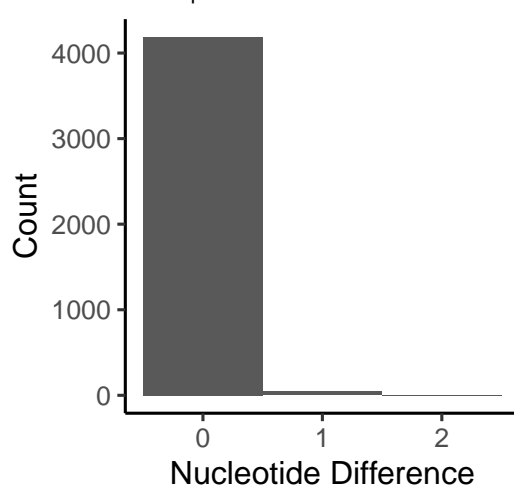
TRBV4-1*ap01

4504 sequences assigned
4450 (98.8%) exact matches, in which:
4286 unique CDR3
13 unique J



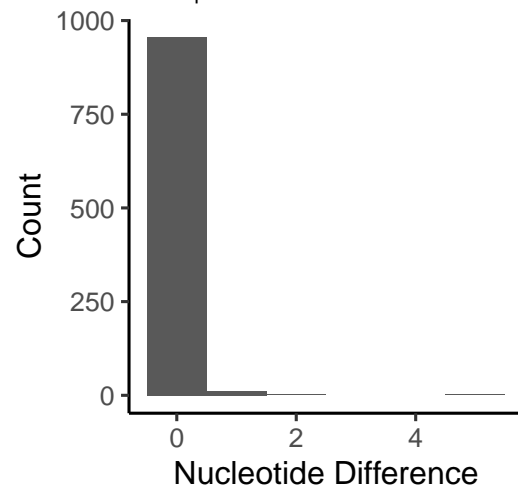
TRBV4-3*ap01

4235 sequences assigned
4187 (98.9%) exact matches, in which:
4072 unique CDR3
13 unique J



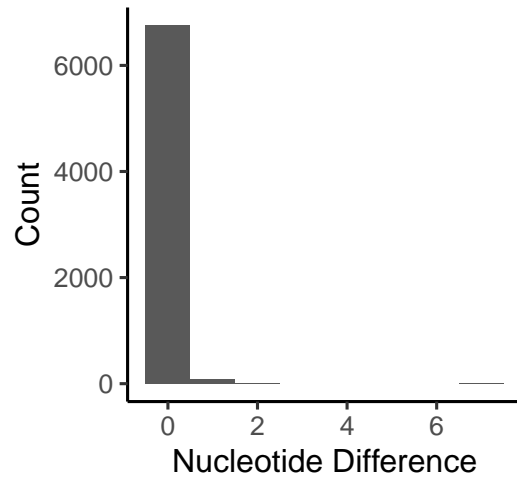
TRBV5-3*ap01

971 sequences assigned
956 (98.5%) exact matches, in which:
924 unique CDR3
13 unique J



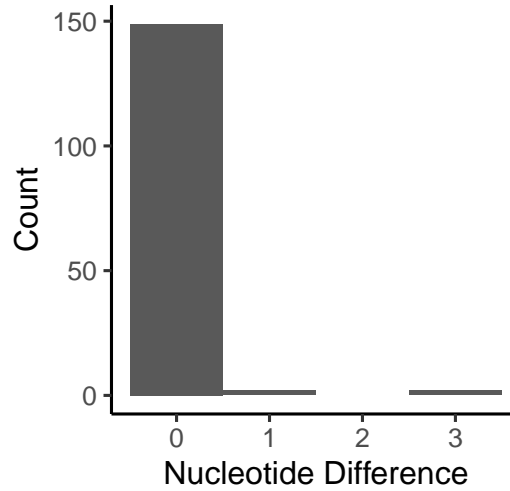
TRBV5-4*ap01

6842 sequences assigned
6754 (98.7%) exact matches, in which:
6527 unique CDR3
13 unique J



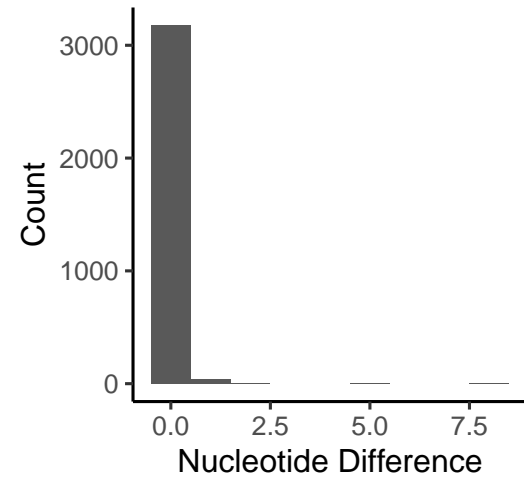
TRBV5-7*ap01

153 sequences assigned
149 (97.4%) exact matches, in which:
141 unique CDR3
13 unique J



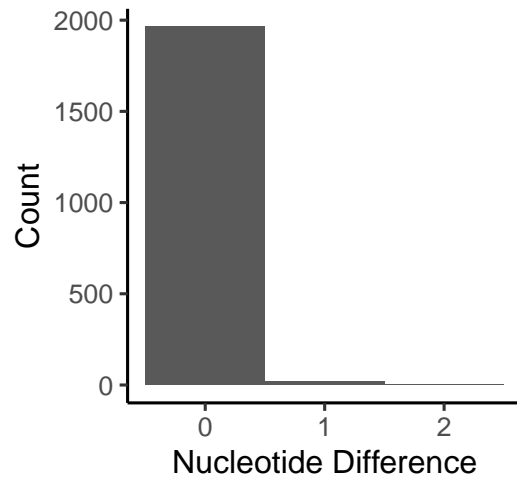
TRBV6-4*ap01

3225 sequences assigned
3176 (98.5%) exact matches, in which:
3089 unique CDR3
13 unique J



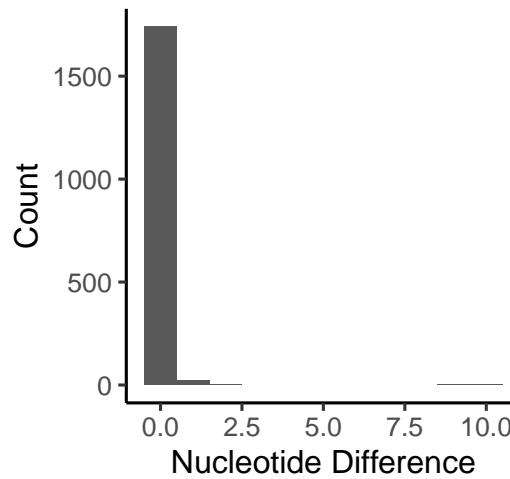
TRBV5-5*ap01

1982 sequences assigned
1964 (99.1%) exact matches, in which:
1947 unique CDR3
13 unique J



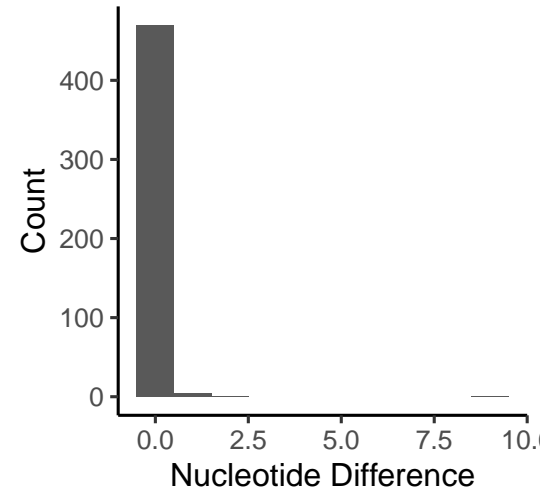
TRBV5-8*ap01

1768 sequences assigned
1740 (98.4%) exact matches, in which:
1701 unique CDR3
13 unique J



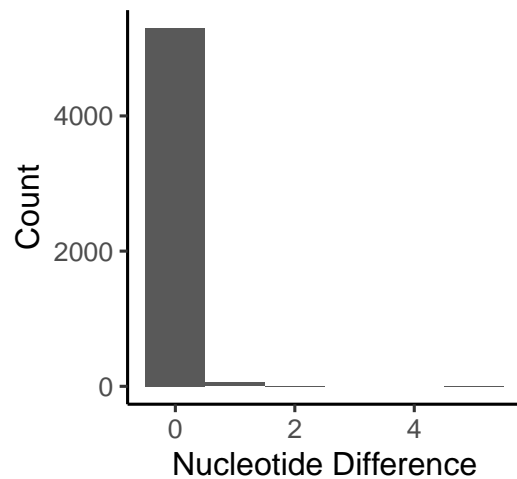
TRBV6-7*ap01

476 sequences assigned
470 (98.7%) exact matches, in which:
450 unique CDR3
13 unique J



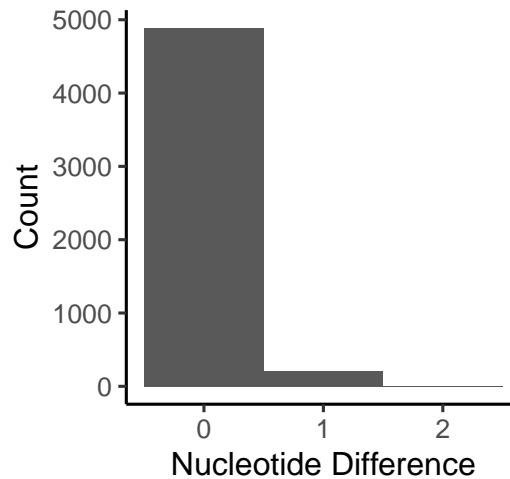
TRBV5-6*ap01

5359 sequences assigned
5300 (98.9%) exact matches, in which:
5097 unique CDR3
13 unique J



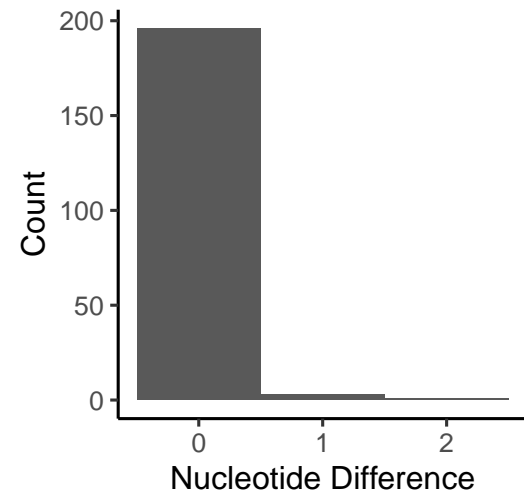
TRBV6-1*ap01

5102 sequences assigned
4887 (95.8%) exact matches, in which:
4738 unique CDR3
14 unique J



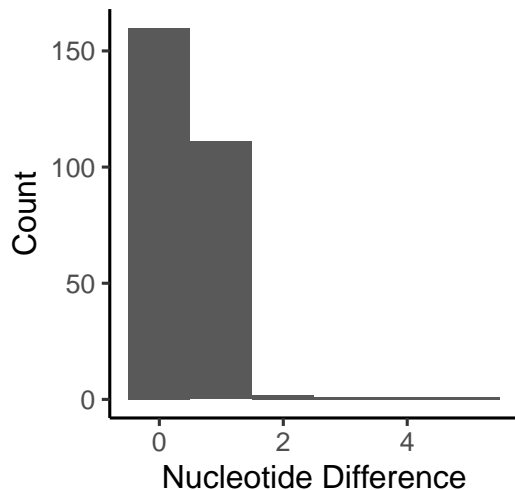
TRBV6-8*ap01

200 sequences assigned
196 (98%) exact matches, in which:
185 unique CDR3
13 unique J



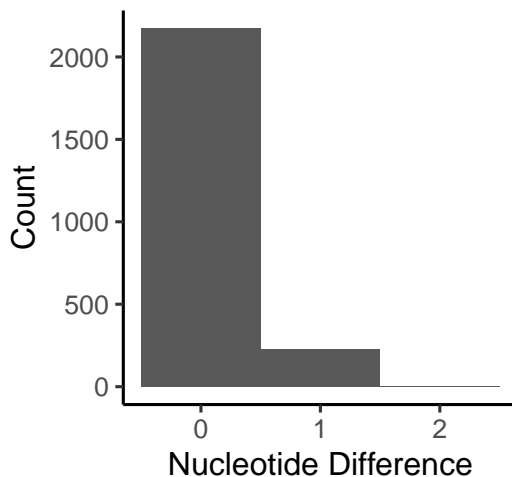
TRBV6–9*ap01

276 sequences assigned
160 (58%) exact matches, in which:
155 unique CDR3
11 unique J



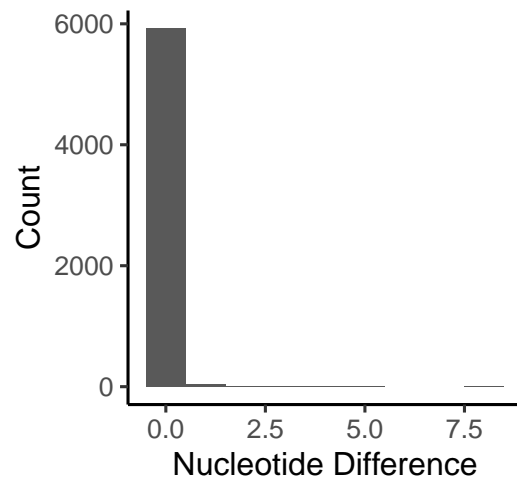
TRBV6–56*ap02

2401 sequences assigned
2173 (90.5%) exact matches, in which:
2104 unique CDR3
13 unique J



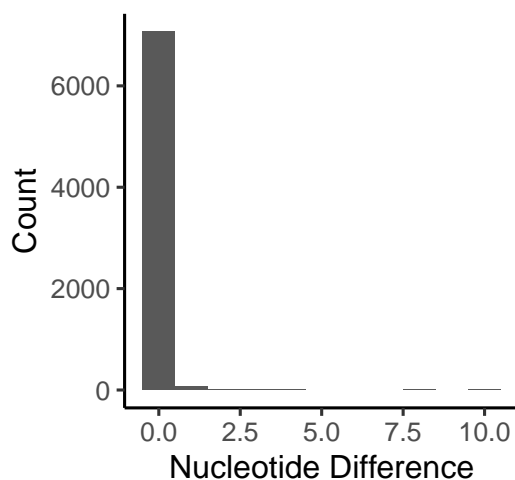
TRBV7–3*ap01

5977 sequences assigned
5924 (99.1%) exact matches, in which:
5818 unique CDR3
13 unique J



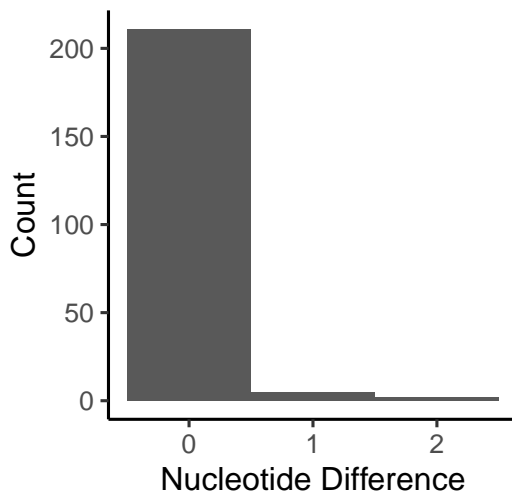
TRBV6–23*ap01

7143 sequences assigned
7068 (99%) exact matches, in which:
6823 unique CDR3
13 unique J



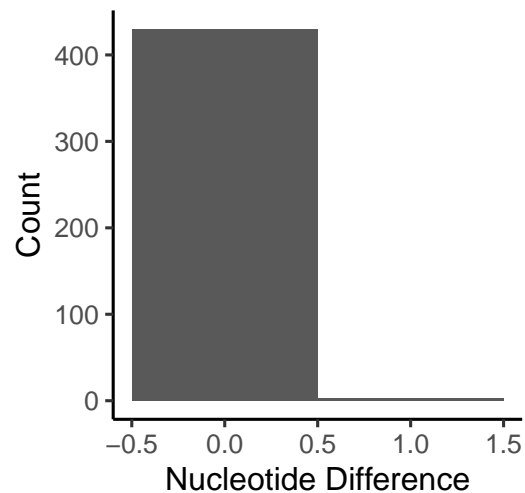
TRBV7–1*ap01_G291C_

218 sequences assigned
211 (96.8%) exact matches, in which:
206 unique CDR3
13 unique J



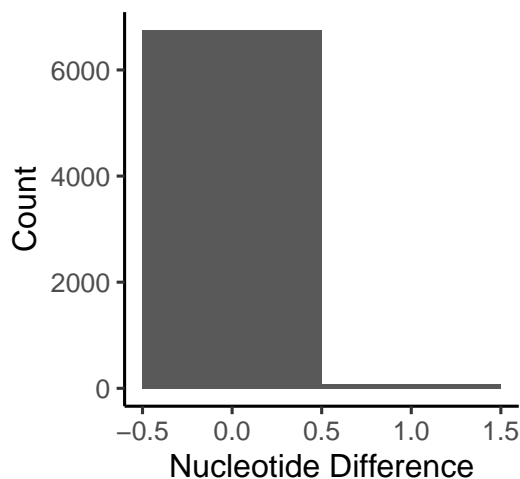
TRBV7–4*ap01

433 sequences assigned
430 (99.3%) exact matches, in which:
422 unique CDR3
13 unique J



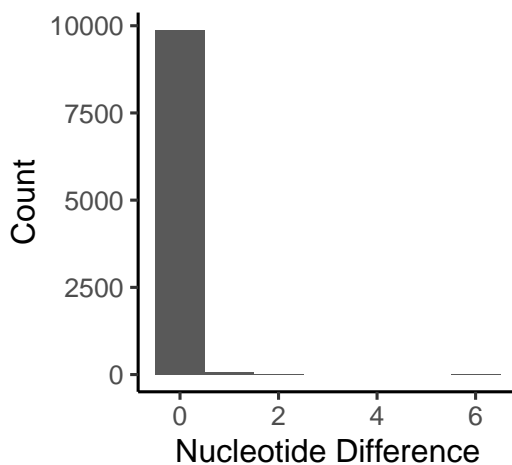
TRBV6–56*ap01

6836 sequences assigned
6752 (98.8%) exact matches, in which:
6522 unique CDR3
14 unique J



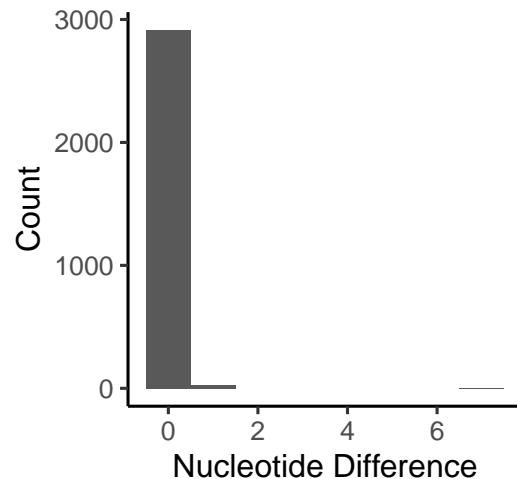
TRBV7–2*ap01

9963 sequences assigned
9884 (99.2%) exact matches, in which:
9654 unique CDR3
13 unique J



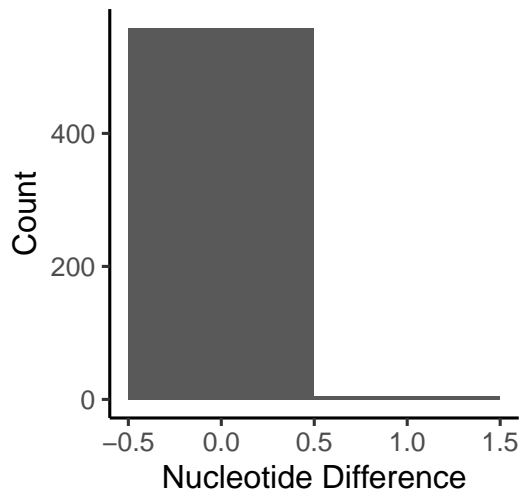
TRBV7–6*ap01

2940 sequences assigned
2914 (99.1%) exact matches, in which:
2823 unique CDR3
13 unique J



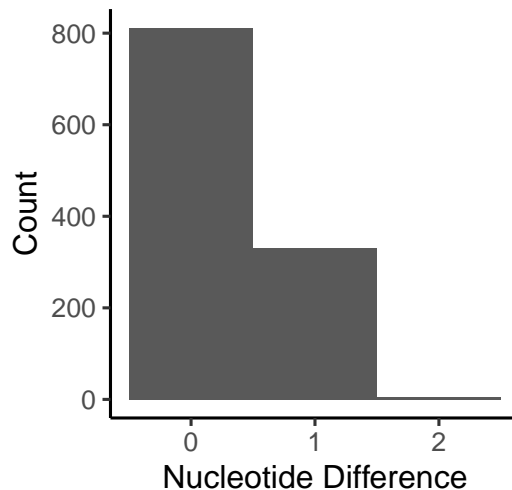
TRBV7-7*ap01

564 sequences assigned
559 (99.1%) exact matches, in which:
546 unique CDR3
13 unique J



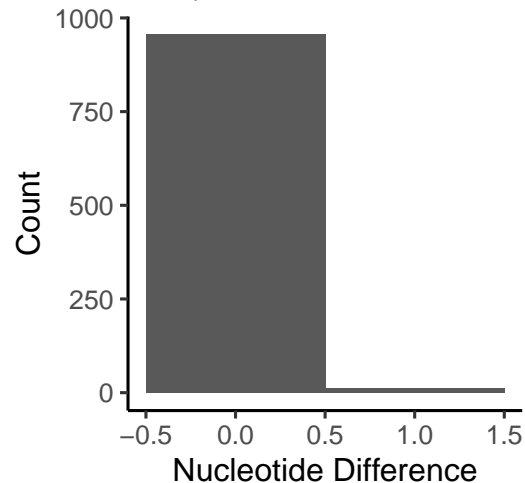
TRBV7-8*ap03

1148 sequences assigned
812 (70.7%) exact matches, in which:
791 unique CDR3
13 unique J



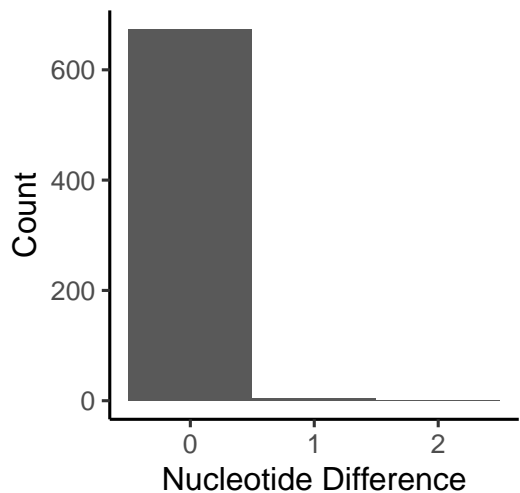
TRBV29-1*ap02

968 sequences assigned
956 (98.8%) exact matches, in which:
921 unique CDR3
13 unique J



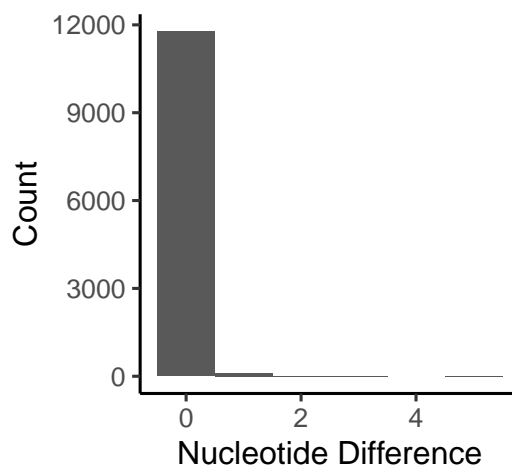
TRBV7-7*ap01_C315T

680 sequences assigned
674 (99.1%) exact matches, in which:
650 unique CDR3
13 unique J



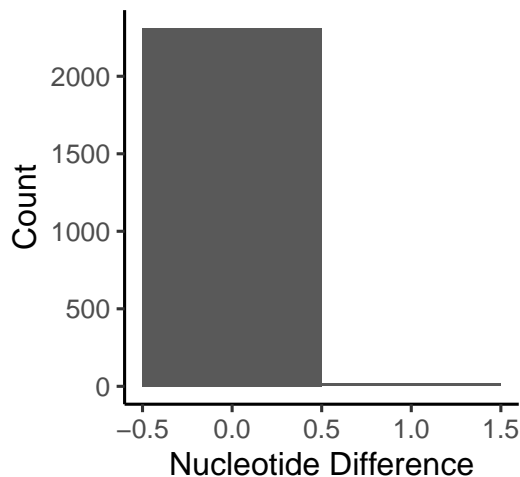
TRBV7-9*ap01

11882 sequences assigned
11774 (99.1%) exact matches, in which:
11503 unique CDR3
13 unique J



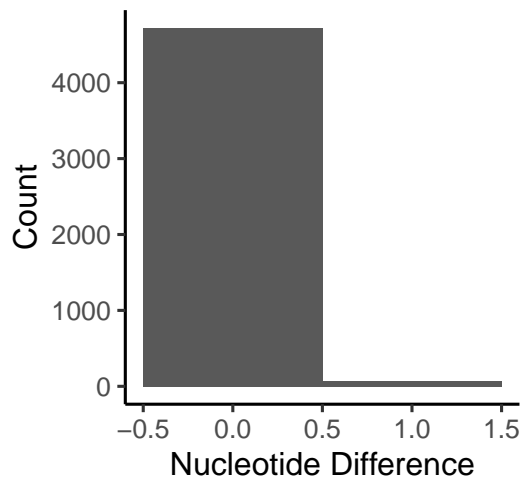
TRBV7-8*ap01

2330 sequences assigned
2311 (99.2%) exact matches, in which:
2236 unique CDR3
13 unique J

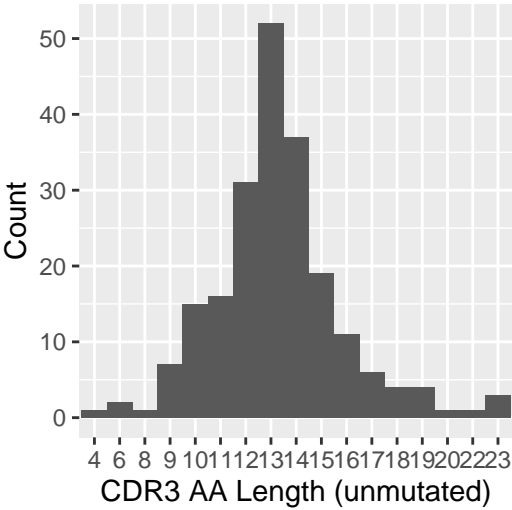


TRBV29-1*ap01

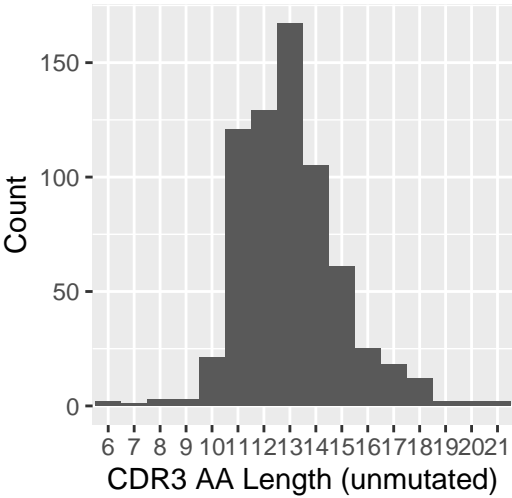
4786 sequences assigned
4720 (98.6%) exact matches, in which:
4575 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]