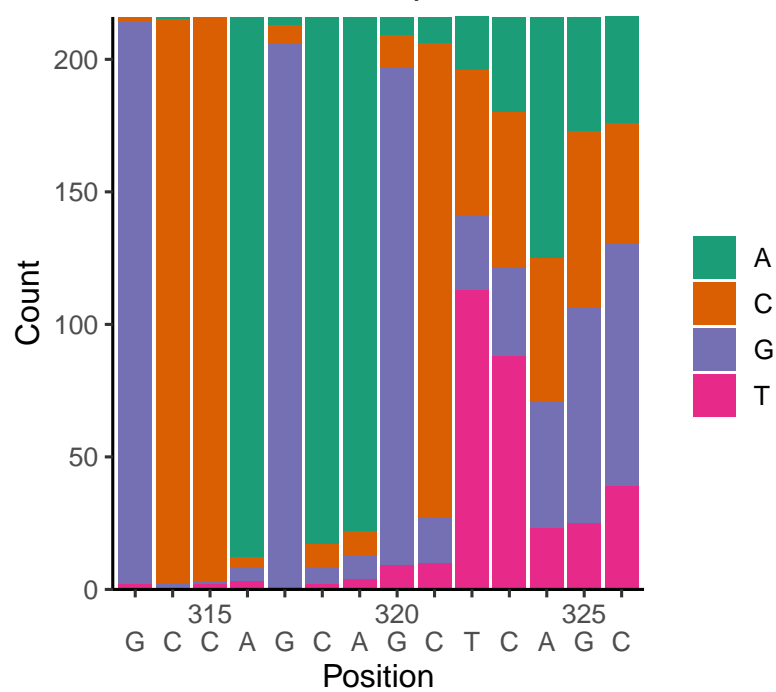
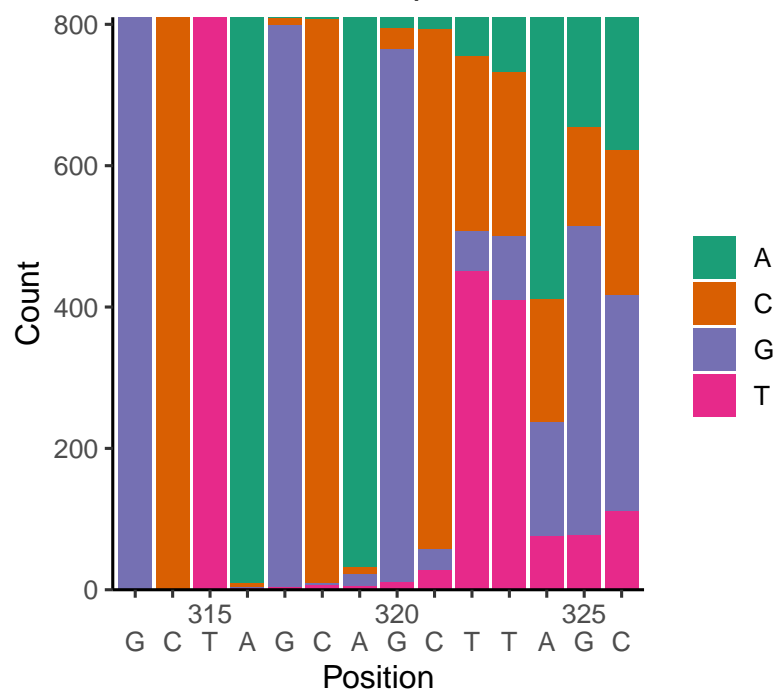


Gene TRBV7-1*ap01_G291C_T296C



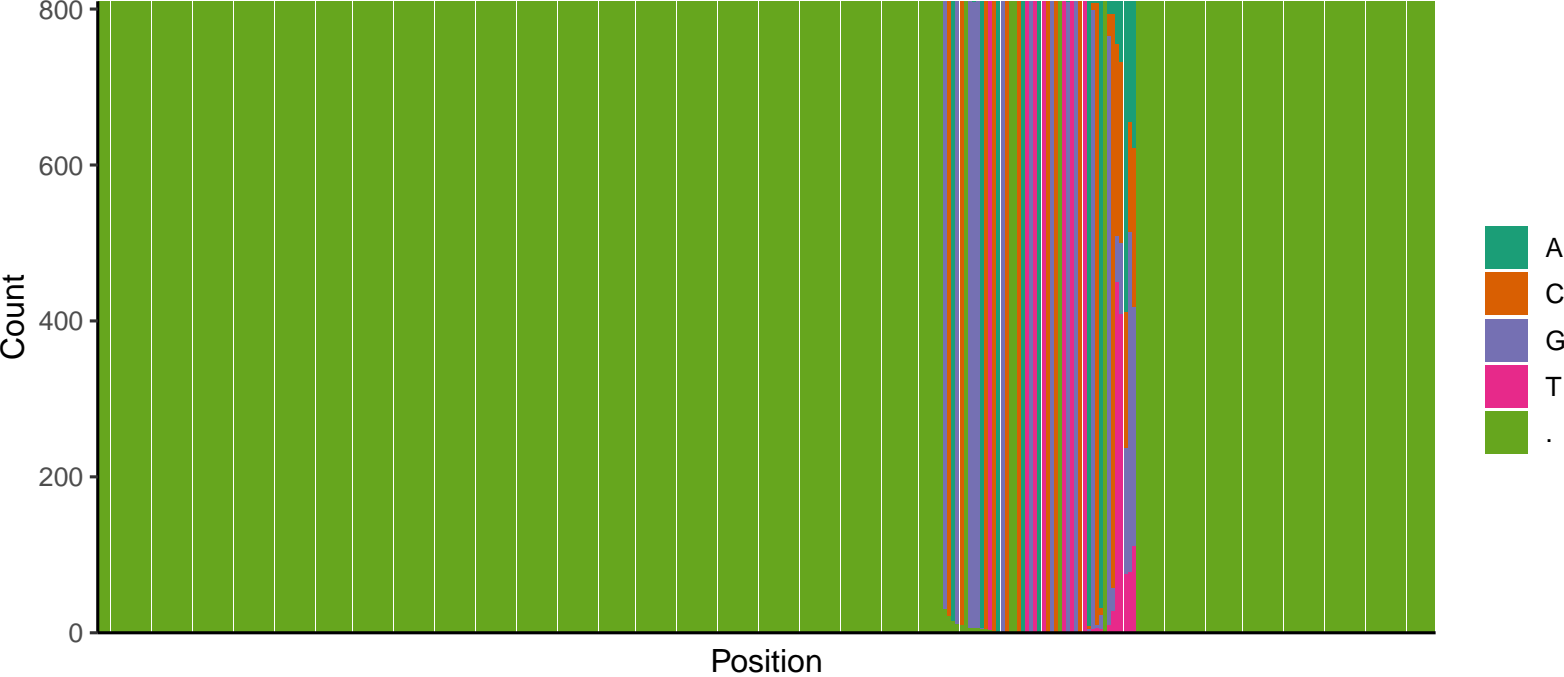
Gene TRBV7-7*ap01_C315T



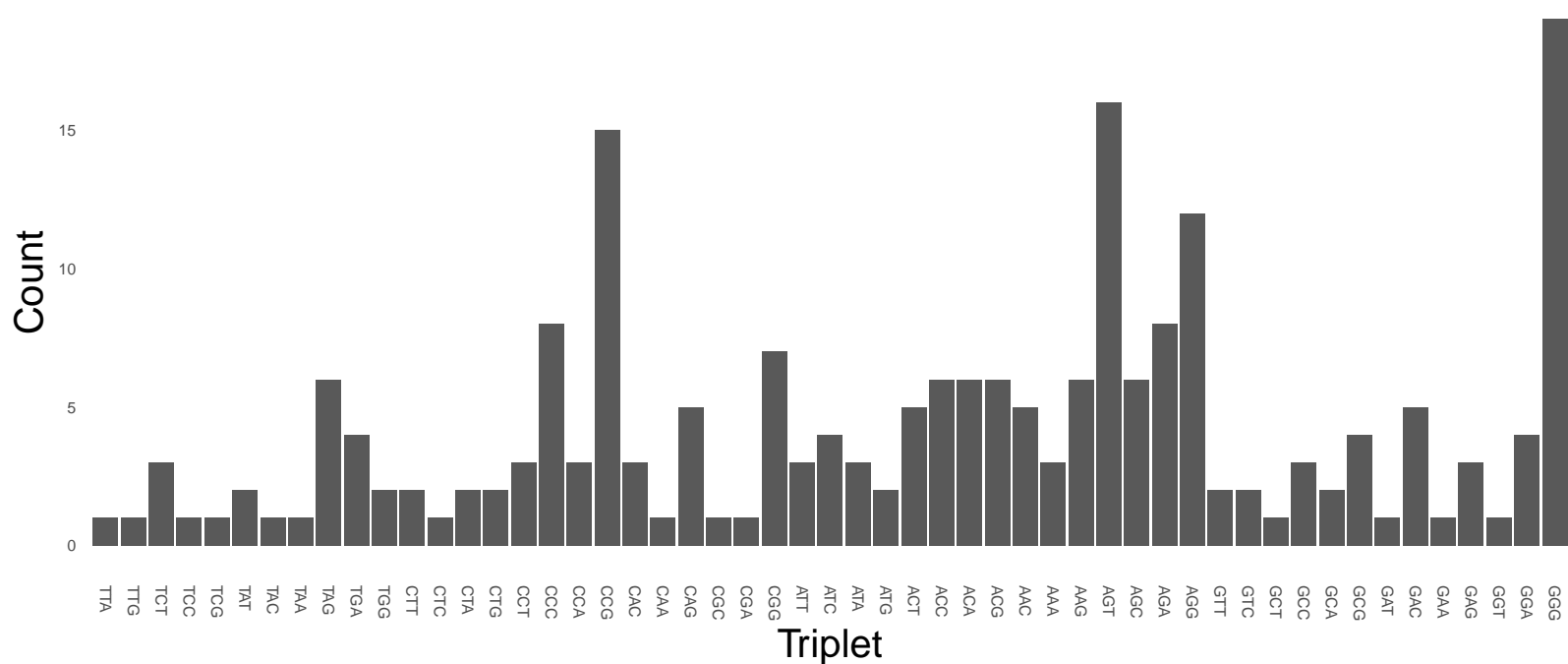
Gene TRBV7-1*ap01_G291C_T296C



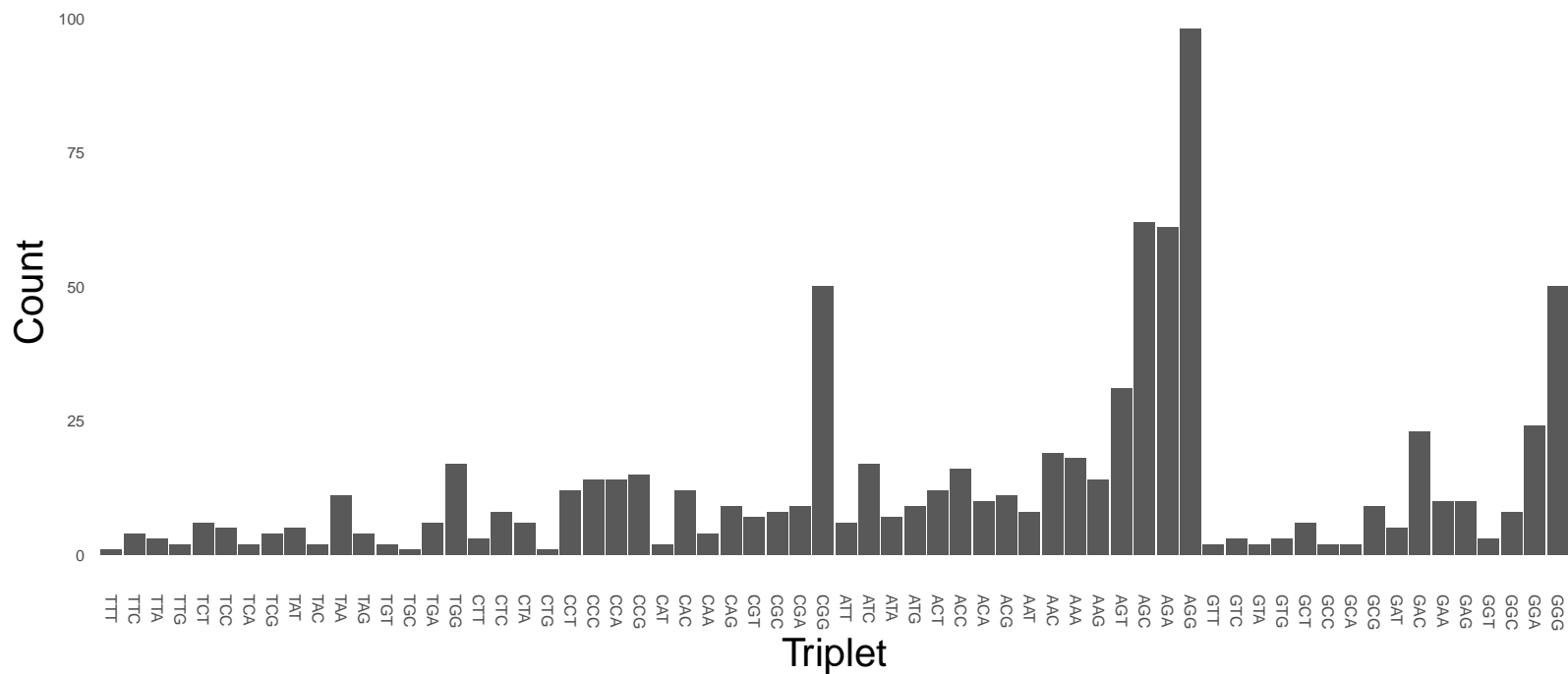
Gene TRBV7-7*ap01_C315T



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

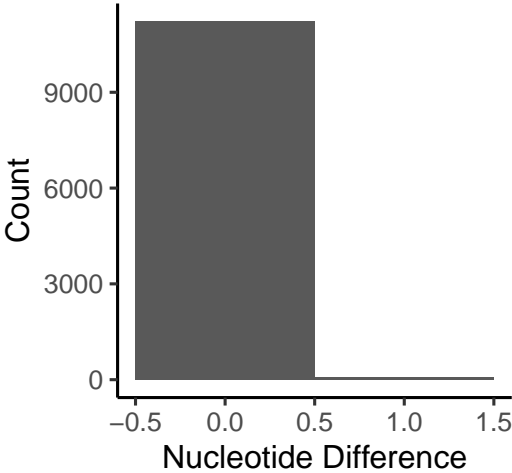


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



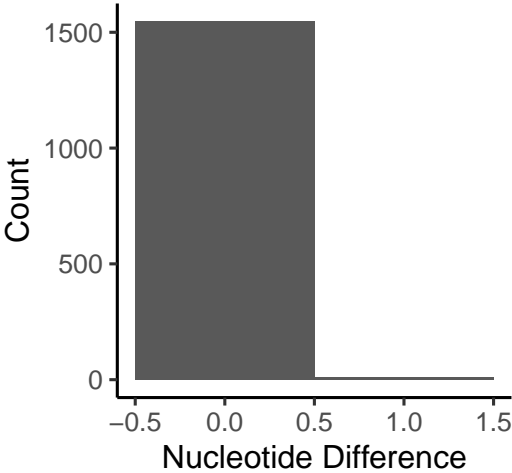
TRBV20-1*ap01

11304 sequences assigned
11220 (99.3%) exact matches, in which:
11149 unique CDR3
13 unique J



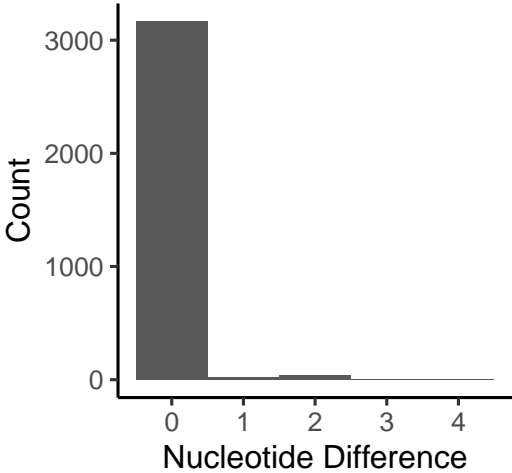
TRBV10-2*ap01

1559 sequences assigned
1547 (99.2%) exact matches, in which:
1527 unique CDR3
13 unique J



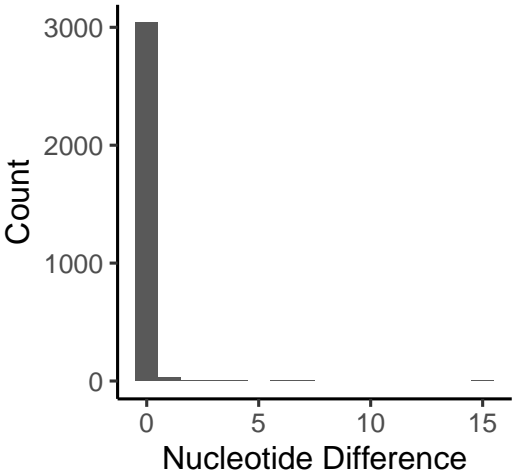
TRBV13*ap01

3229 sequences assigned
3166 (98%) exact matches, in which:
3111 unique CDR3
13 unique J



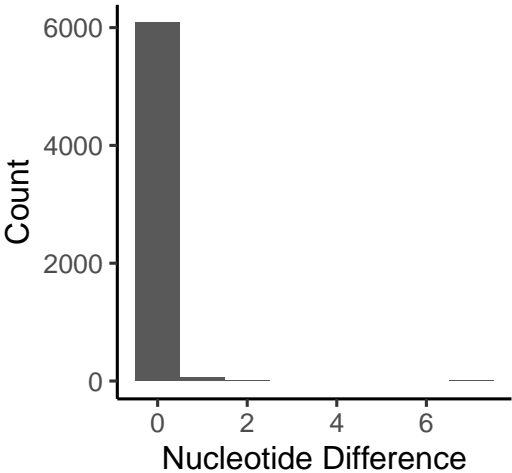
TRBV10-1*ap01

3079 sequences assigned
3039 (98.7%) exact matches, in which:
3004 unique CDR3
13 unique J



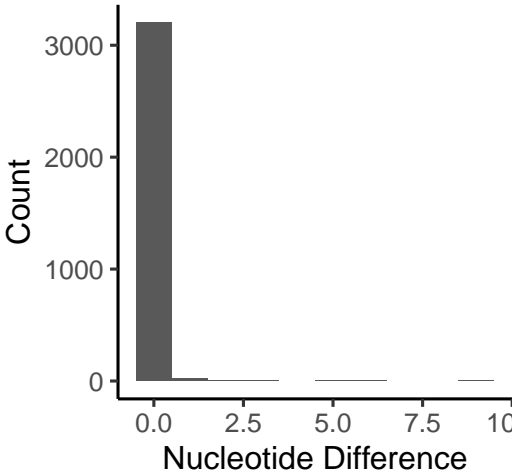
TRBV10-3*ap01

6148 sequences assigned
6083 (98.9%) exact matches, in which:
6021 unique CDR3
13 unique J



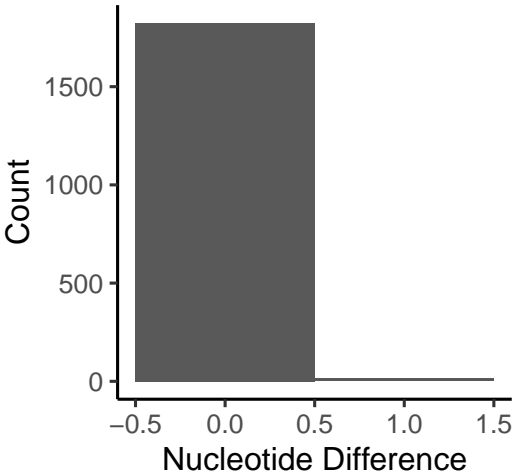
TRBV14*ap01

3226 sequences assigned
3201 (99.2%) exact matches, in which:
3185 unique CDR3
13 unique J



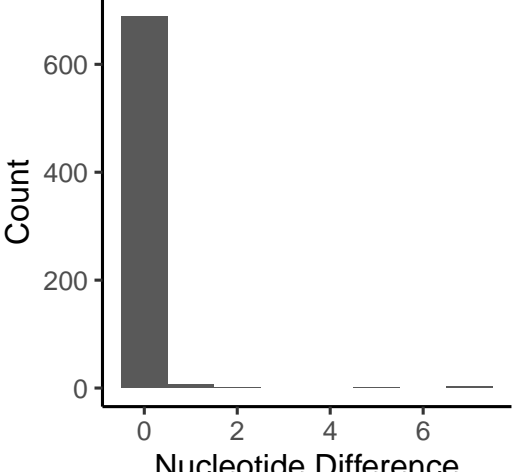
TRBV20-1*ap02

1838 sequences assigned
1824 (99.2%) exact matches, in which:
1810 unique CDR3
13 unique J



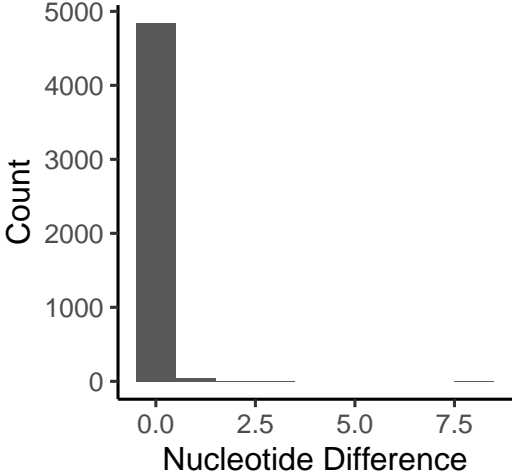
TRBV1*ap01

701 sequences assigned
689 (98.3%) exact matches, in which:
673 unique CDR3
13 unique J



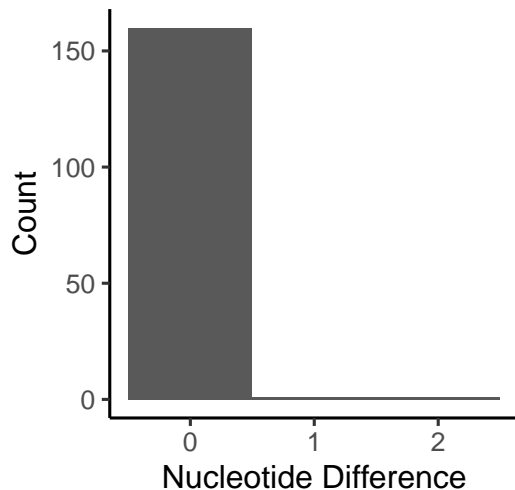
TRBV15*ap02

4890 sequences assigned
4842 (99%) exact matches, in which:
4780 unique CDR3
13 unique J



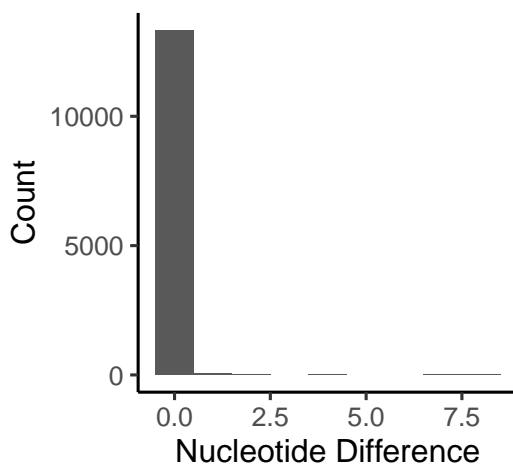
TRBV16*ap01

162 sequences assigned
160 (98.8%) exact matches, in which:
160 unique CDR3
12 unique J



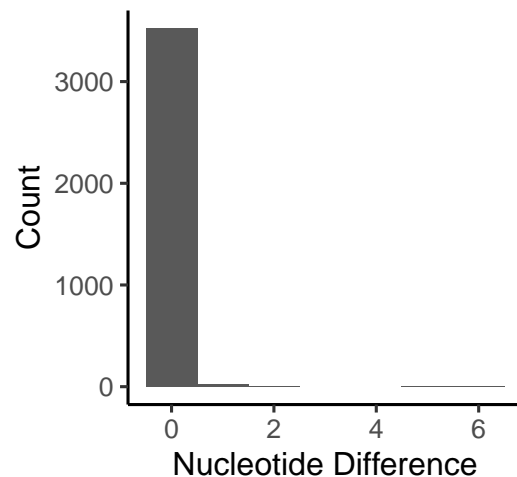
TRBV19*ap01

13413 sequences assigned
13331 (99.4%) exact matches, in which:
13275 unique CDR3
13 unique J



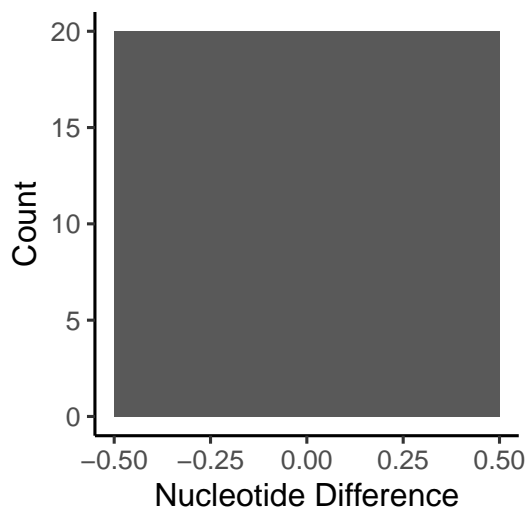
TRBV28*ap01

3551 sequences assigned
3523 (99.2%) exact matches, in which:
3509 unique CDR3
13 unique J



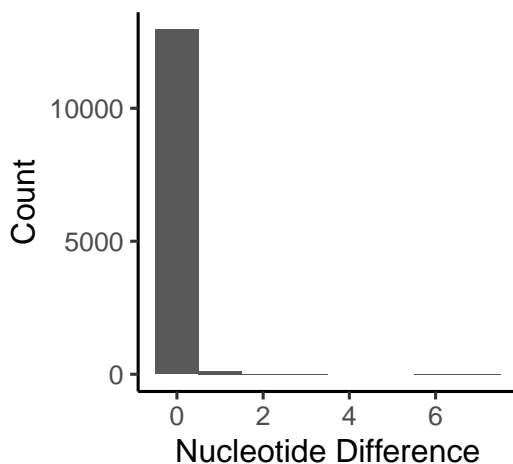
TRBV17*ap01

20 sequences assigned
20 (100%) exact matches, in which:
20 unique CDR3
8 unique J



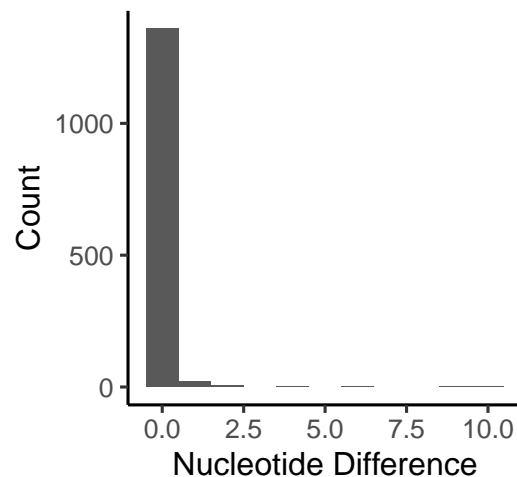
TRBV2*ap01

13102 sequences assigned
12963 (98.9%) exact matches, in which:
12771 unique CDR3
13 unique J



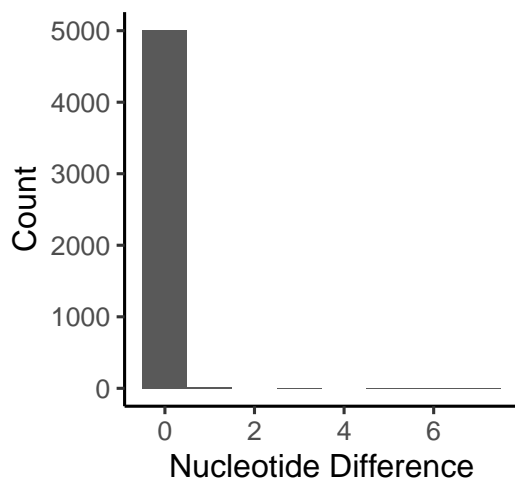
TRBV30*ap02

1387 sequences assigned
1359 (98%) exact matches, in which:
1336 unique CDR3
13 unique J



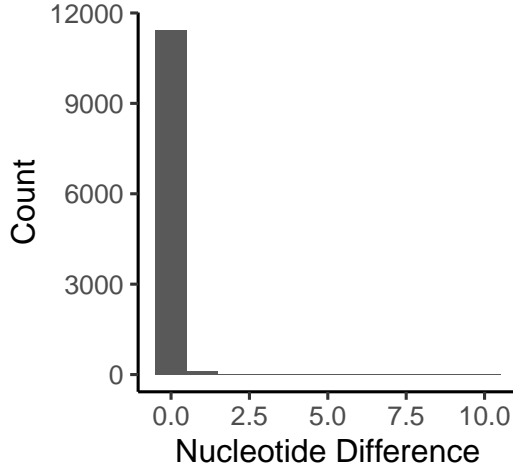
TRBV18*ap01

5027 sequences assigned
5009 (99.6%) exact matches, in which:
4993 unique CDR3
13 unique J



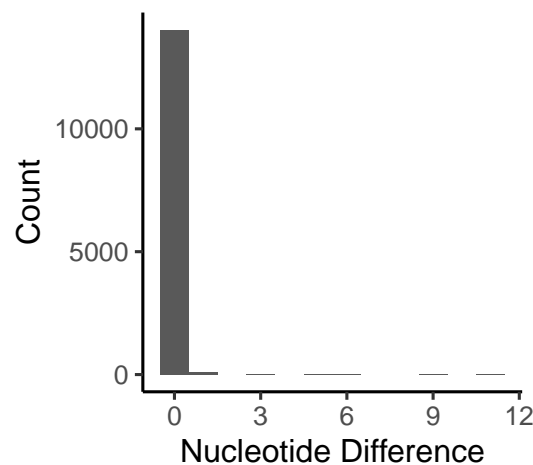
TRBV27*ap01

11574 sequences assigned
11442 (98.9%) exact matches, in which:
11301 unique CDR3
13 unique J



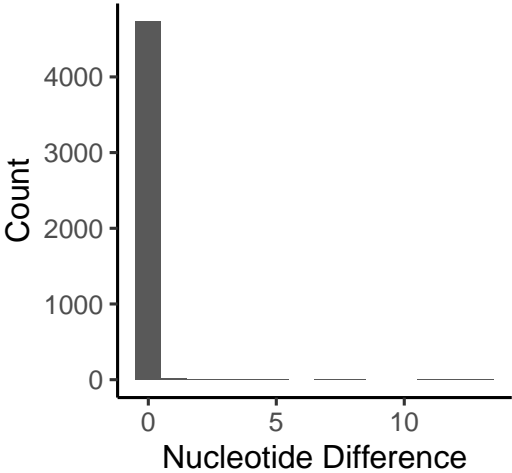
TRBV9*ap01

14126 sequences assigned
14030 (99.3%) exact matches, in which:
13934 unique CDR3
13 unique J



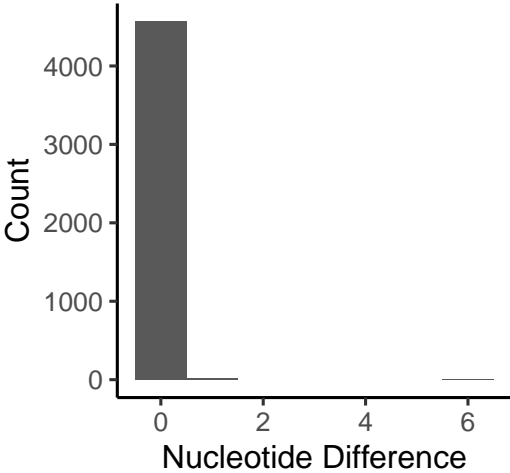
TRBV21-1*ap01

4785 sequences assigned
4733 (98.9%) exact matches, in which:
4713 unique CDR3
13 unique J



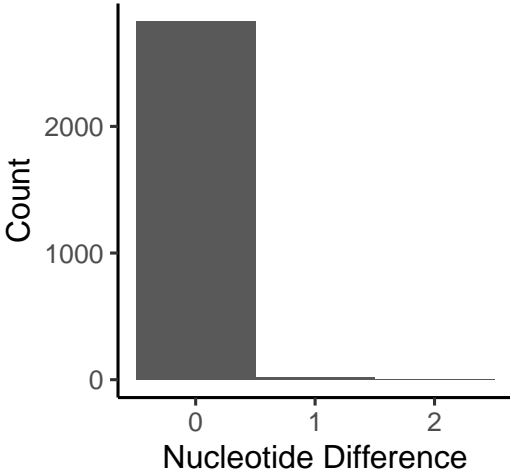
TRBV11-3*ap01

4594 sequences assigned
4568 (99.4%) exact matches, in which:
4547 unique CDR3
13 unique J



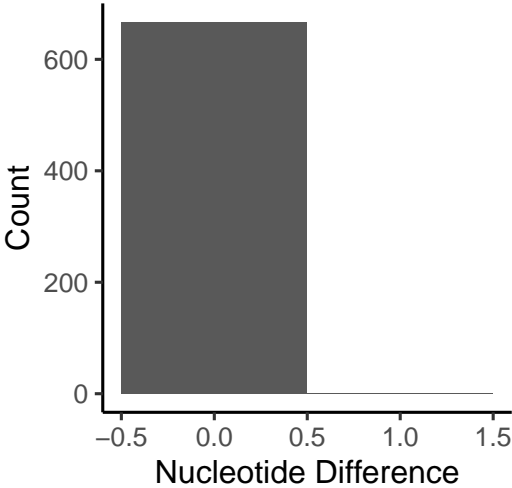
TRBV12-5*ap01

2847 sequences assigned
2829 (99.4%) exact matches, in which:
2802 unique CDR3
13 unique J



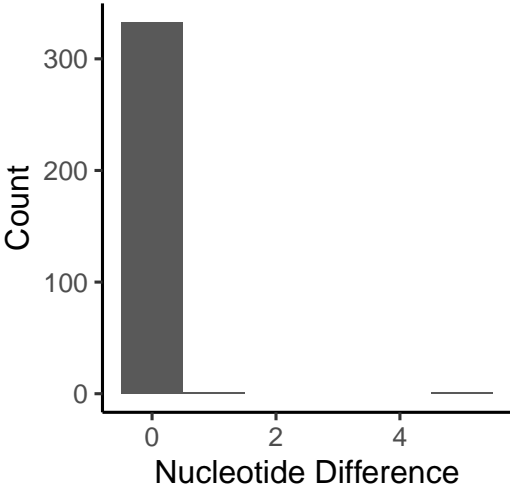
TRBV11-1*ap01

668 sequences assigned
667 (99.9%) exact matches, in which:
664 unique CDR3
13 unique J



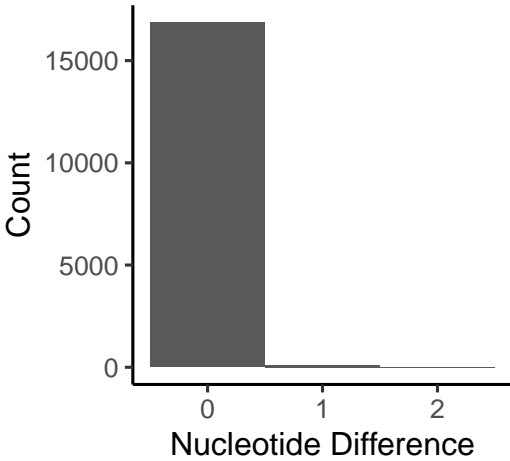
TRBV12-1*ap01

335 sequences assigned
333 (99.4%) exact matches, in which:
329 unique CDR3
13 unique J



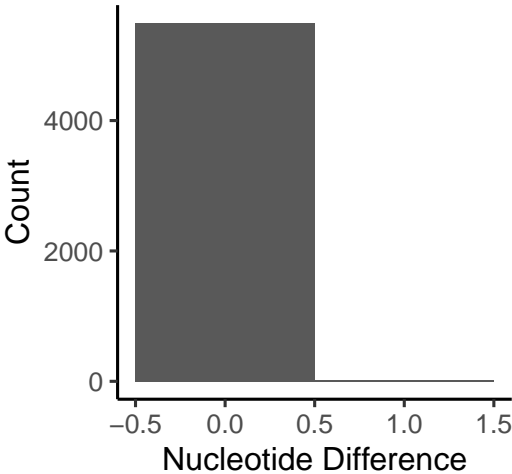
TRBV12-34*ap01

16991 sequences assigned
16867 (99.3%) exact matches, in which:
16696 unique CDR3
14 unique J



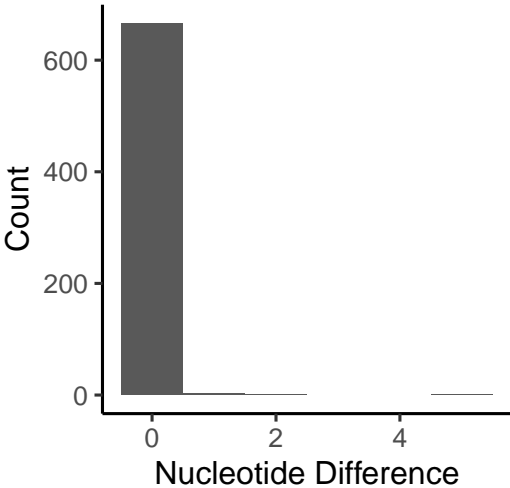
TRBV11-2*ap01

5521 sequences assigned
5496 (99.5%) exact matches, in which:
5473 unique CDR3
13 unique J



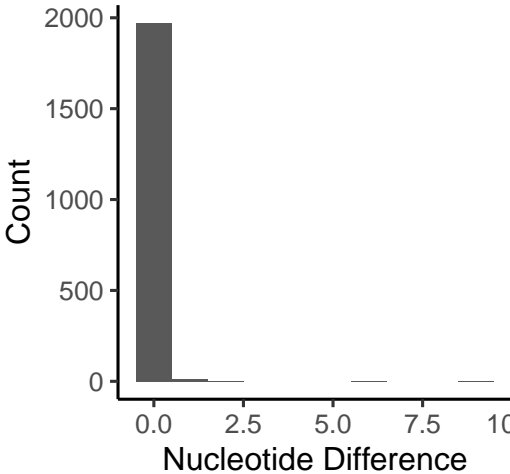
TRBV12-2*ap01

670 sequences assigned
666 (99.4%) exact matches, in which:
658 unique CDR3
13 unique J



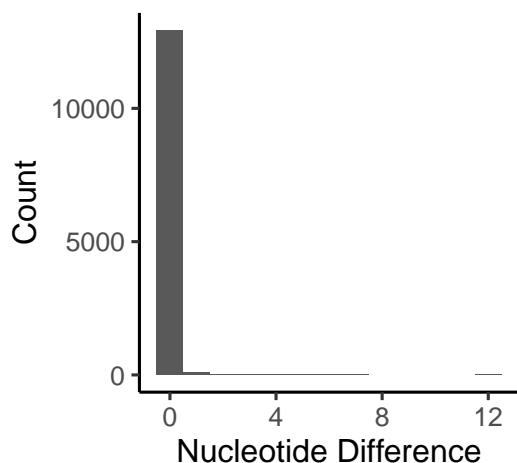
TRBV23-1*ap01

1988 sequences assigned
1971 (99.1%) exact matches, in which:
1962 unique CDR3
13 unique J



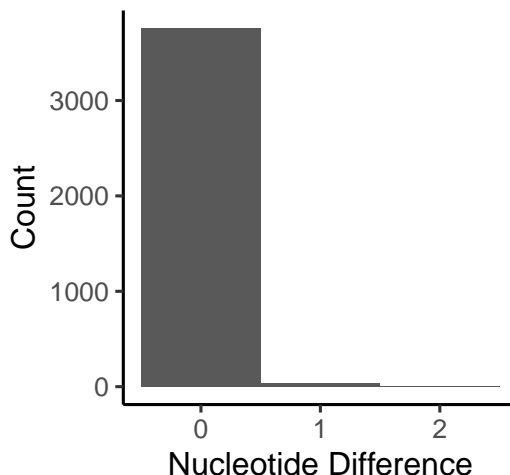
TRBV3-12*ap01

13035 sequences assigned
12935 (99.2%) exact matches, in which:
12777 unique CDR3
13 unique J



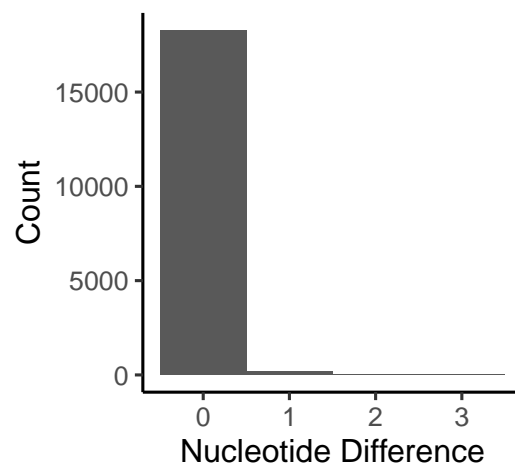
TRBV4-2*ap01

3793 sequences assigned
3756 (99%) exact matches, in which:
3701 unique CDR3
13 unique J



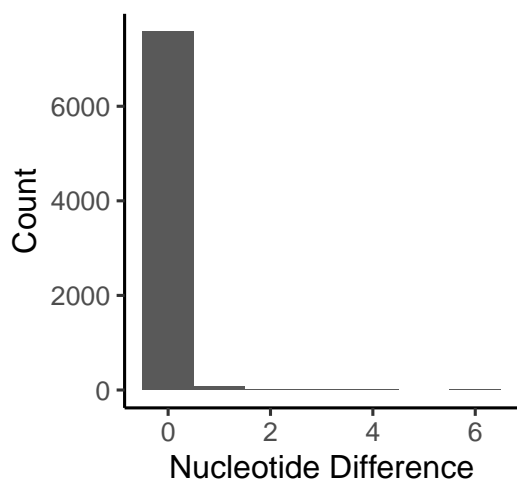
TRBV5-1*ap01

18450 sequences assigned
18282 (99.1%) exact matches, in which:
17959 unique CDR3
13 unique J



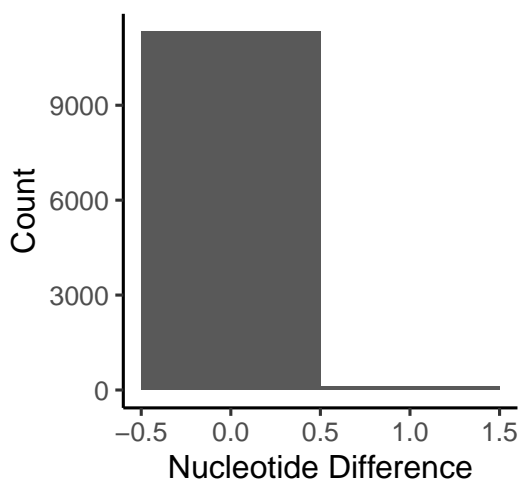
TRBV24-1*ap01

7657 sequences assigned
7576 (98.9%) exact matches, in which:
7468 unique CDR3
13 unique J



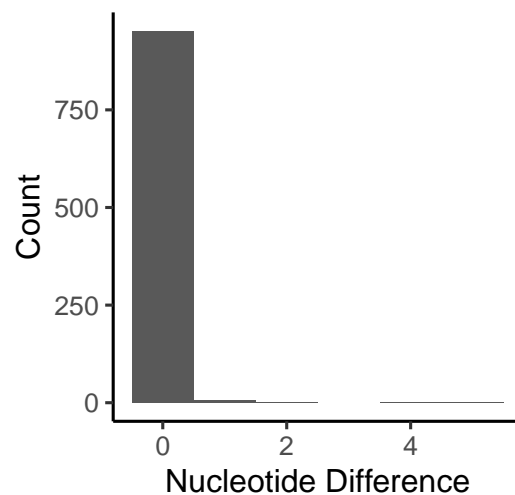
TRBV4-3*ap01

11433 sequences assigned
11324 (99%) exact matches, in which:
11174 unique CDR3
13 unique J



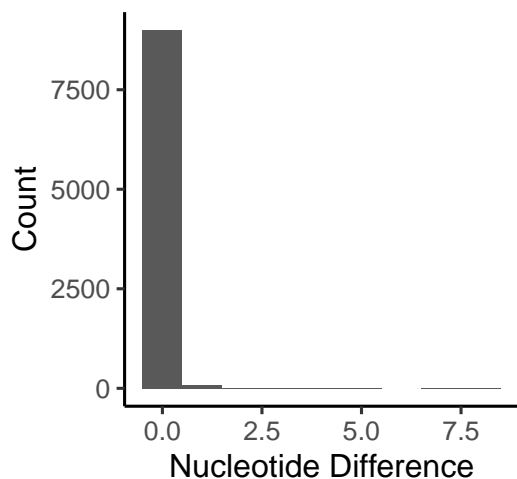
TRBV5-3*ap01

962 sequences assigned
952 (99%) exact matches, in which:
944 unique CDR3
13 unique J



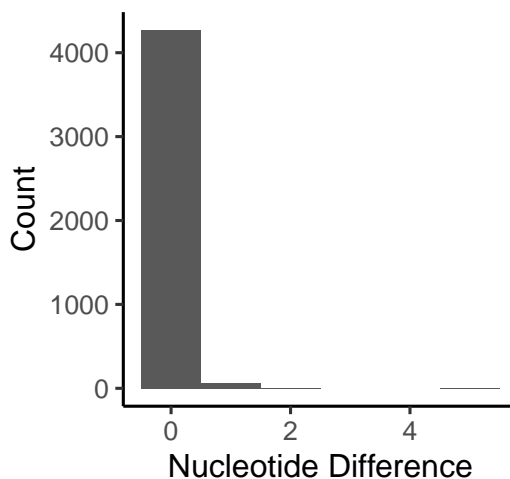
TRBV4-1*ap01

9085 sequences assigned
8999 (99.1%) exact matches, in which:
8846 unique CDR3
13 unique J



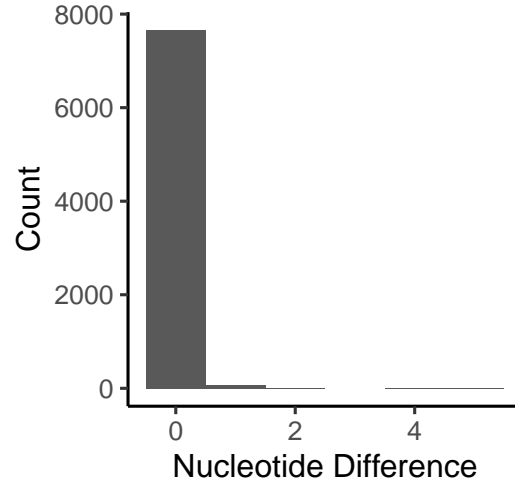
TRBV25-1*ap01

4335 sequences assigned
4270 (98.5%) exact matches, in which:
4193 unique CDR3
13 unique J



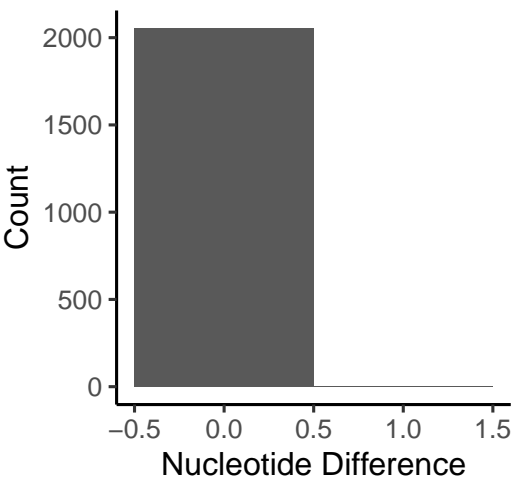
TRBV5-4*ap01

7735 sequences assigned
7659 (99%) exact matches, in which:
7545 unique CDR3
13 unique J



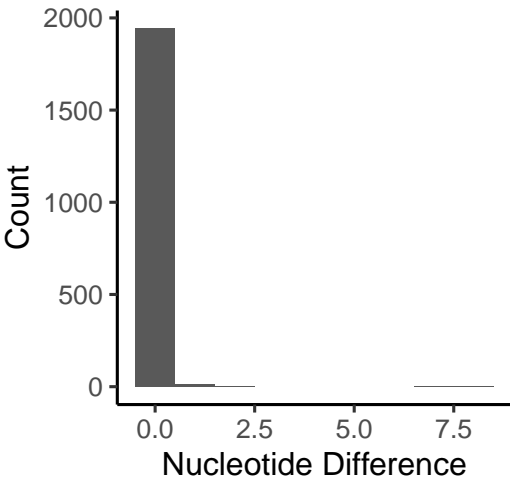
TRBV5-5*ap01

2057 sequences assigned
2053 (99.8%) exact matches, in which:
2047 unique CDR3
13 unique J



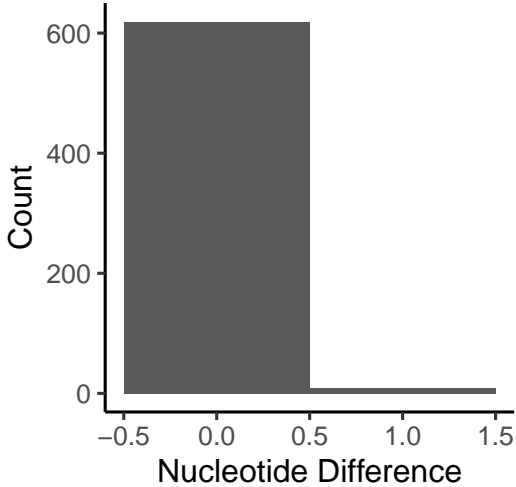
TRBV5-8*ap01

1959 sequences assigned
1943 (99.2%) exact matches, in which:
1931 unique CDR3
13 unique J



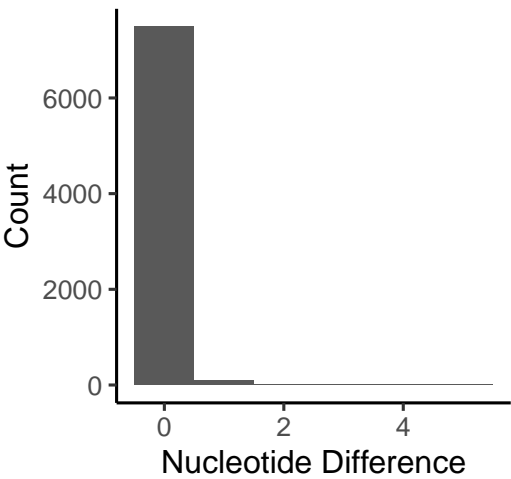
TRBV6-7*ap01

628 sequences assigned
619 (98.6%) exact matches, in which:
610 unique CDR3
13 unique J



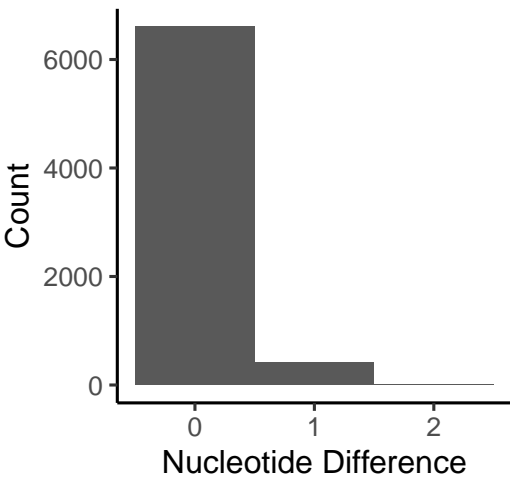
TRBV5-6*ap01

7581 sequences assigned
7489 (98.8%) exact matches, in which:
7331 unique CDR3
13 unique J



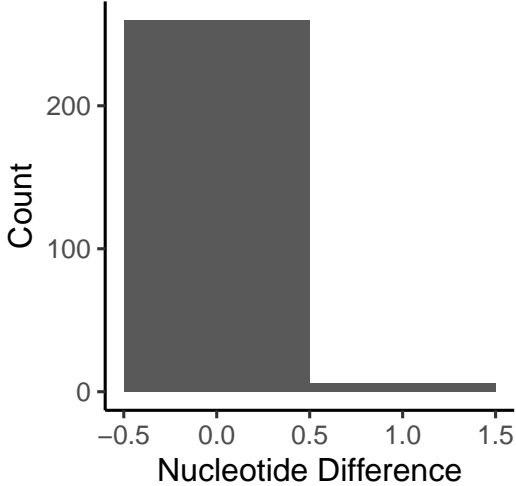
TRBV6-1*ap01

7022 sequences assigned
6604 (94%) exact matches, in which:
6486 unique CDR3
13 unique J



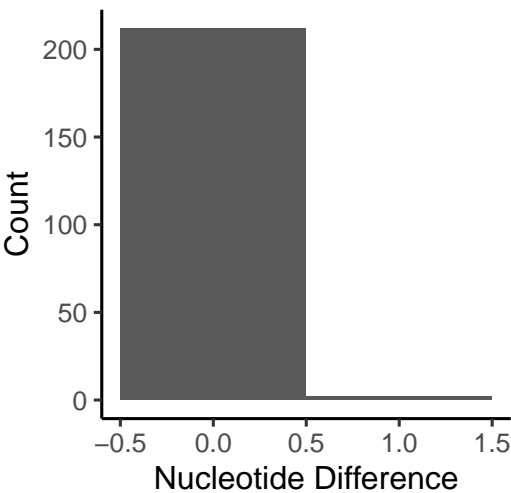
TRBV6-8*ap01

266 sequences assigned
260 (97.7%) exact matches, in which:
254 unique CDR3
13 unique J



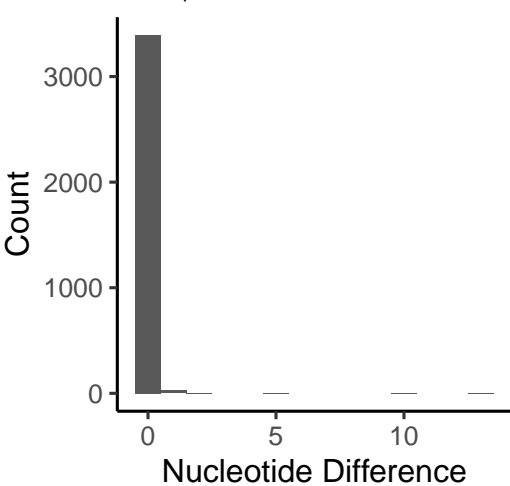
TRBV5-7*ap01

214 sequences assigned
212 (99.1%) exact matches, in which:
203 unique CDR3
13 unique J



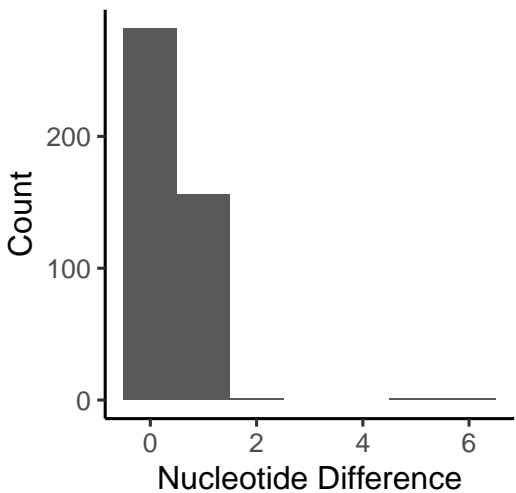
TRBV6-4*ap01

3425 sequences assigned
3393 (99.1%) exact matches, in which:
3362 unique CDR3
13 unique J



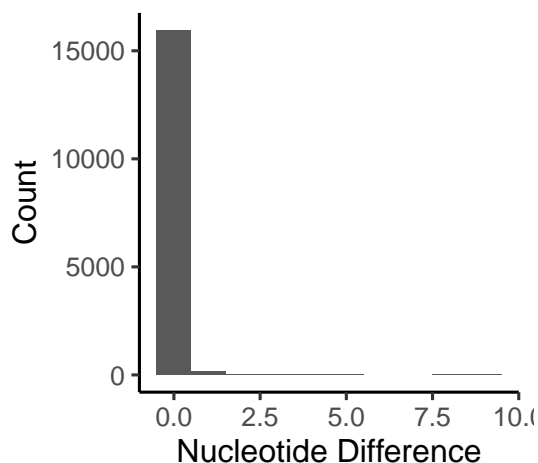
TRBV6-9*ap01

441 sequences assigned
282 (63.9%) exact matches, in which:
275 unique CDR3
13 unique J



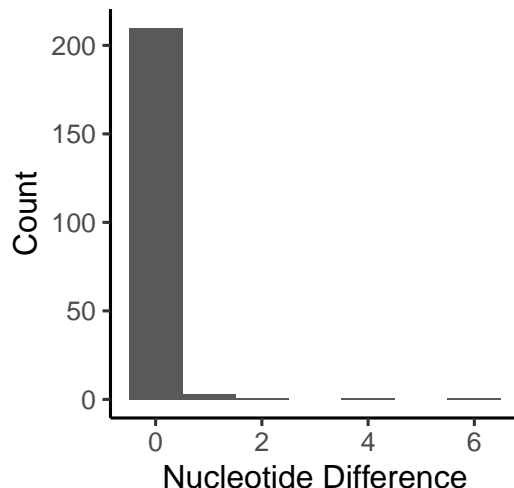
TRBV6-23*ap01

16151 sequences assigned
15955 (98.8%) exact matches, in which:
15607 unique CDR3
13 unique J



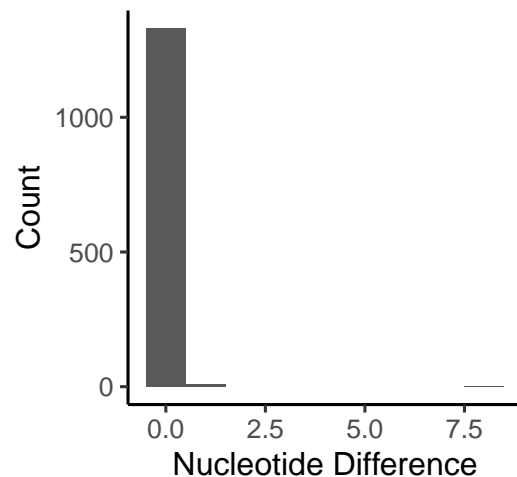
TRBV7-1*ap01_G291C_

216 sequences assigned
210 (97.2%) exact matches, in which:
208 unique CDR3
13 unique J



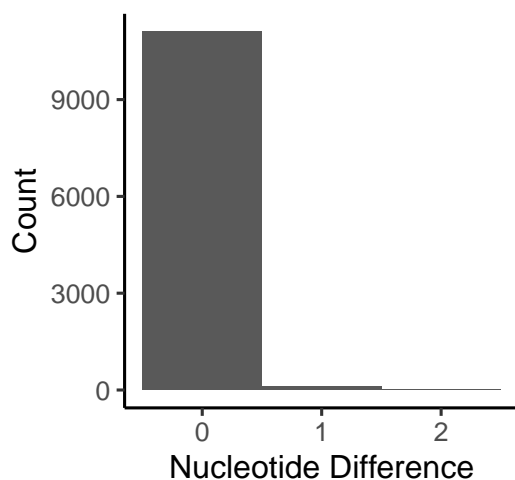
TRBV7-3*ap02

1339 sequences assigned
1330 (99.3%) exact matches, in which:
1325 unique CDR3
13 unique J



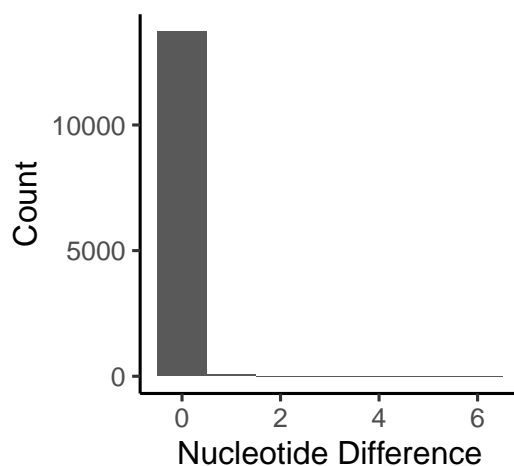
TRBV6-56*ap01

11230 sequences assigned
11103 (98.9%) exact matches, in which:
10876 unique CDR3
13 unique J



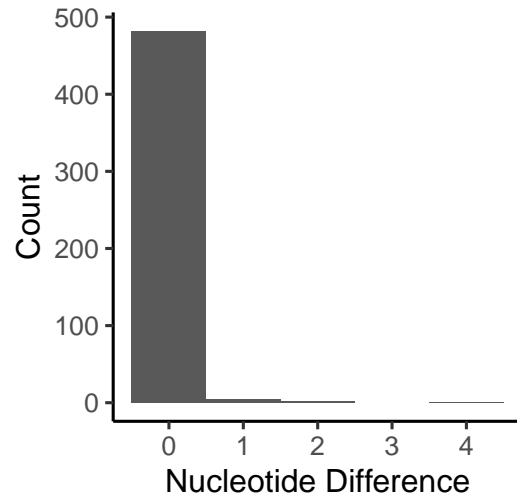
TRBV7-2*ap01

13801 sequences assigned
13721 (99.4%) exact matches, in which:
13620 unique CDR3
13 unique J



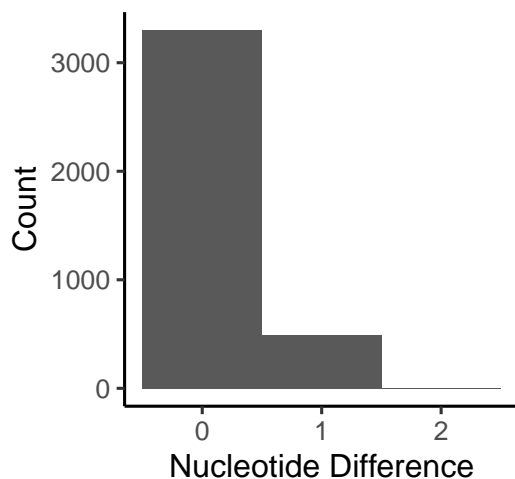
TRBV7-4*ap01

490 sequences assigned
482 (98.4%) exact matches, in which:
479 unique CDR3
13 unique J



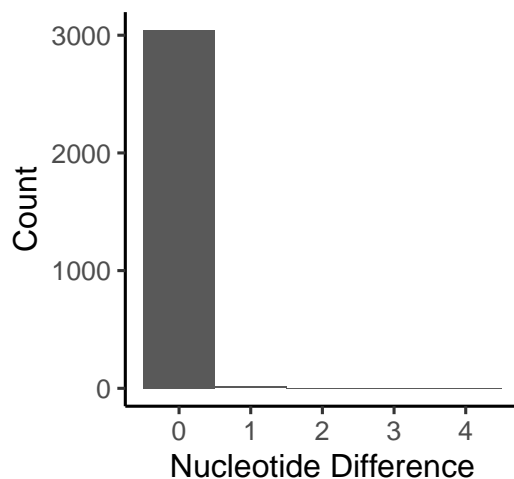
TRBV6-56*ap02

3796 sequences assigned
3301 (87%) exact matches, in which:
3245 unique CDR3
13 unique J



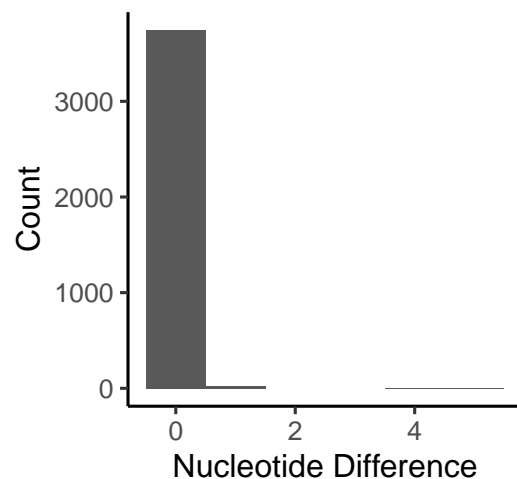
TRBV7-3*ap01

3061 sequences assigned
3044 (99.4%) exact matches, in which:
3030 unique CDR3
13 unique J



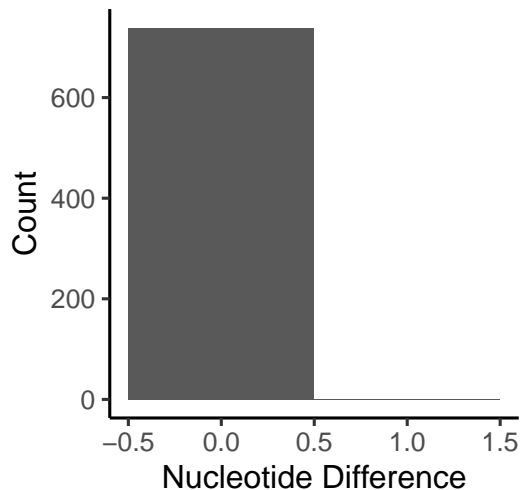
TRBV7-6*ap01

3773 sequences assigned
3745 (99.3%) exact matches, in which:
3716 unique CDR3
13 unique J



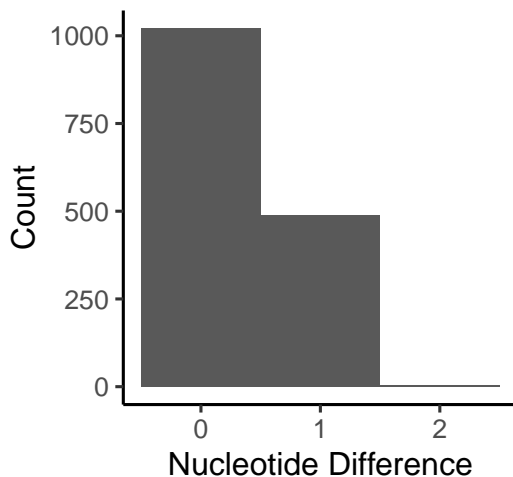
TRBV7-7*ap01

740 sequences assigned
739 (99.9%) exact matches, in which:
728 unique CDR3
13 unique J



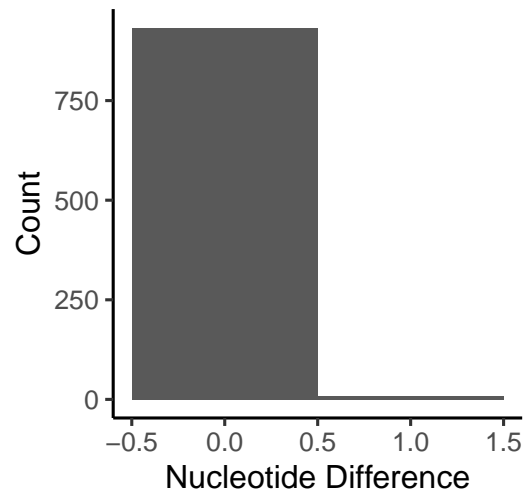
TRBV7-8*ap03

1515 sequences assigned
1021 (67.4%) exact matches, in which:
1008 unique CDR3
13 unique J



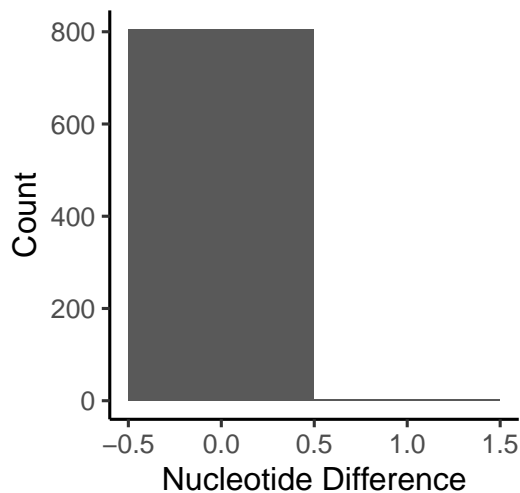
TRBV29-1*ap02

941 sequences assigned
933 (99.1%) exact matches, in which:
906 unique CDR3
13 unique J



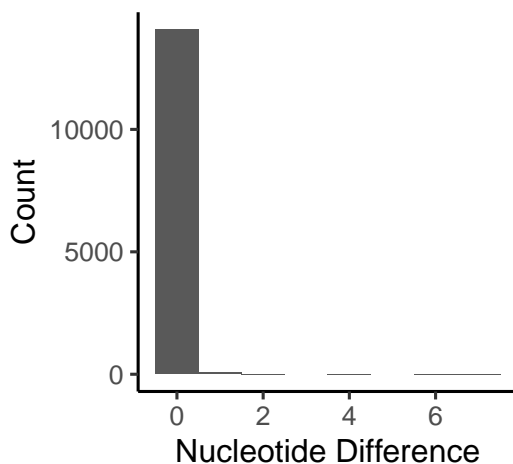
TRBV7-7*ap01_C315T

810 sequences assigned
806 (99.5%) exact matches, in which:
799 unique CDR3
13 unique J



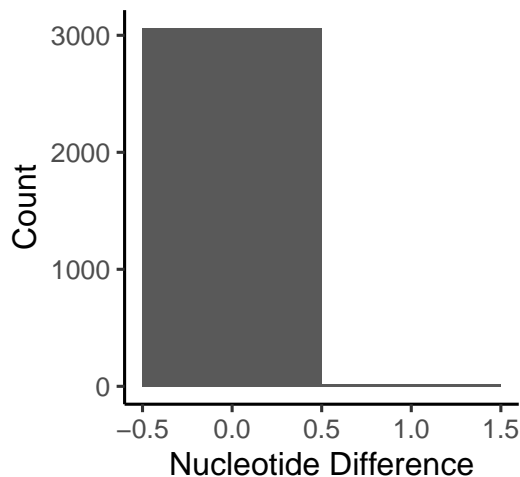
TRBV7-9*ap01

14169 sequences assigned
14081 (99.4%) exact matches, in which:
13970 unique CDR3
13 unique J



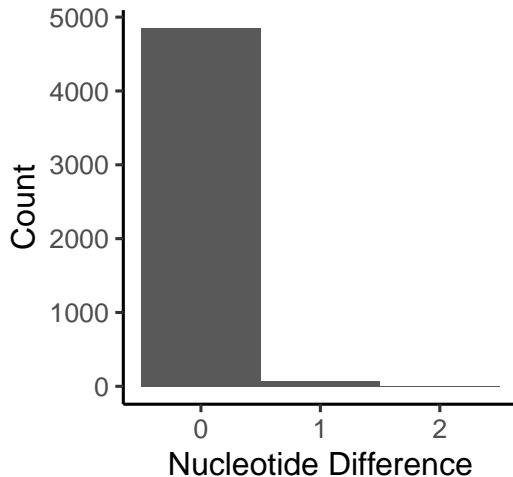
TRBV7-8*ap01

3083 sequences assigned
3062 (99.3%) exact matches, in which:
3025 unique CDR3
13 unique J

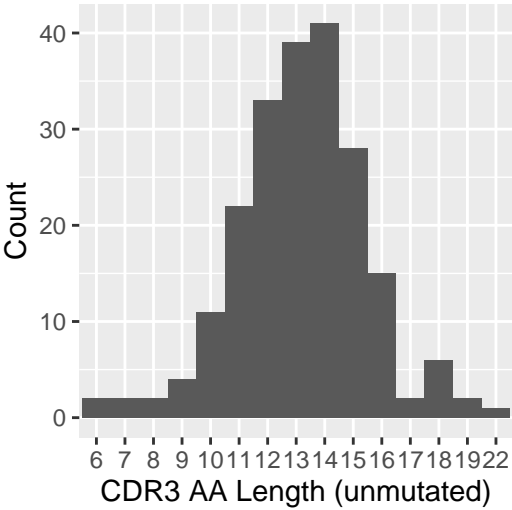


TRBV29-1*ap01

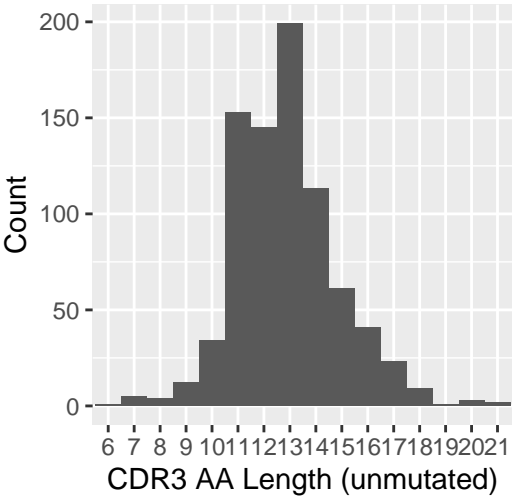
4929 sequences assigned
4852 (98.4%) exact matches, in which:
4729 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.