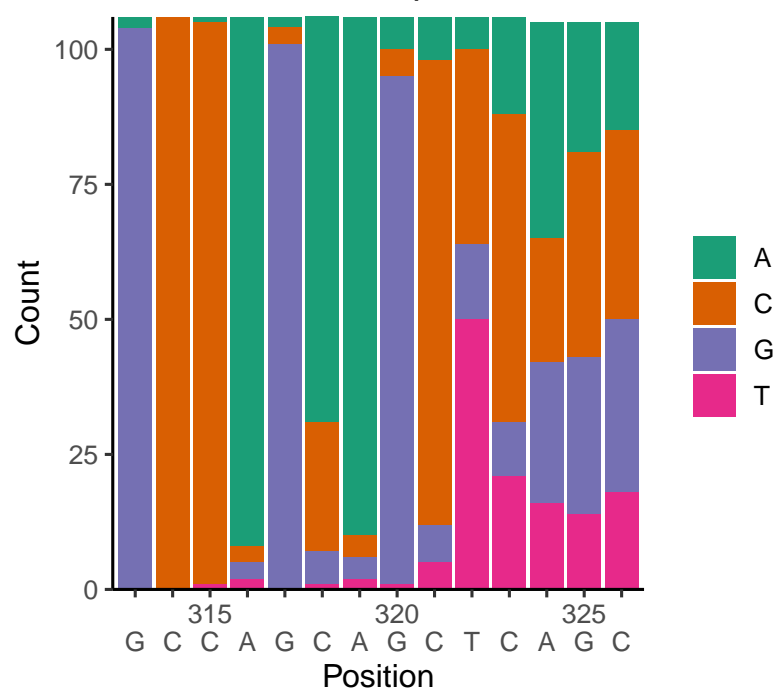
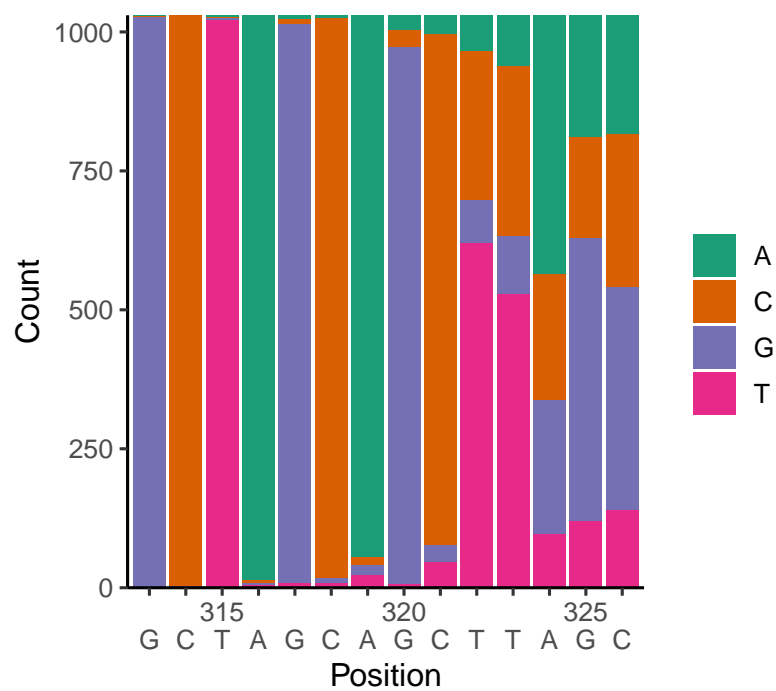


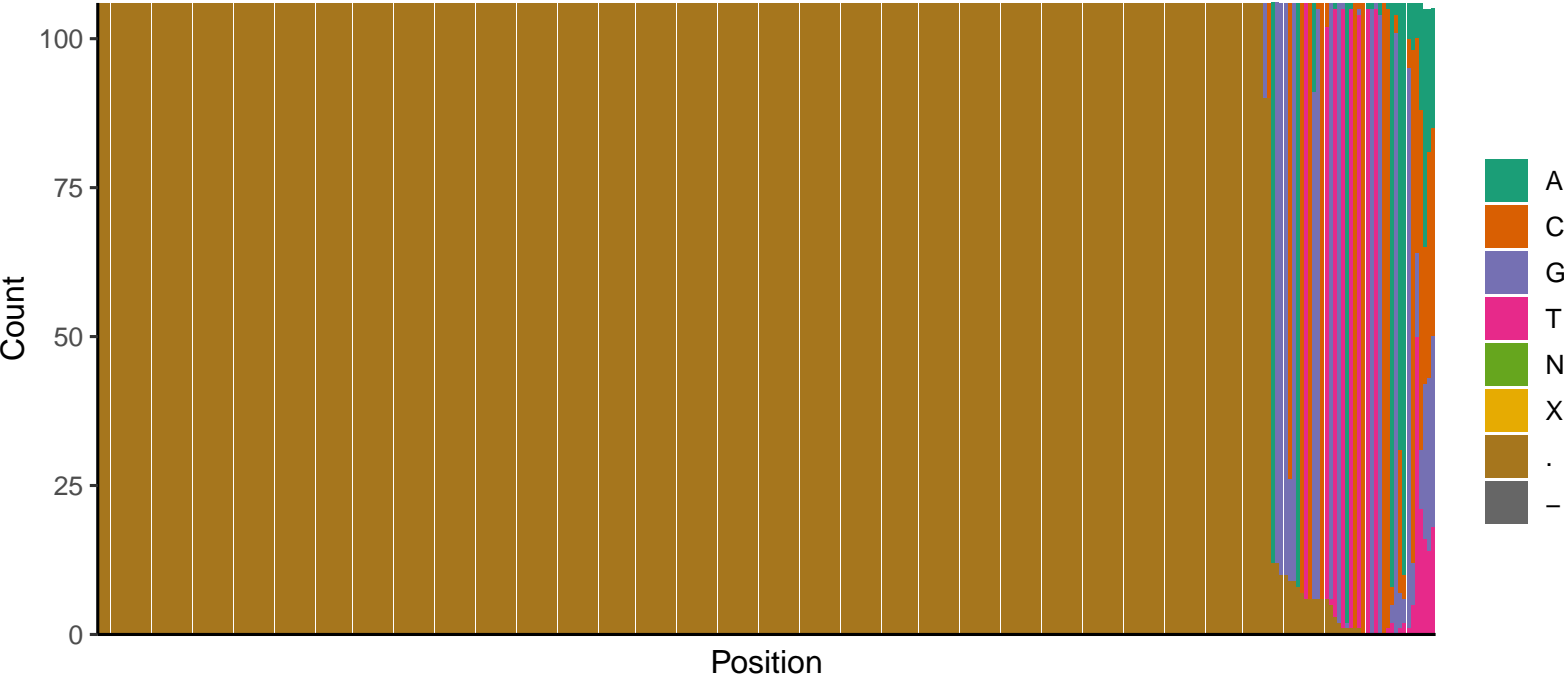
Gene TRBV7-1*ap01_T296C



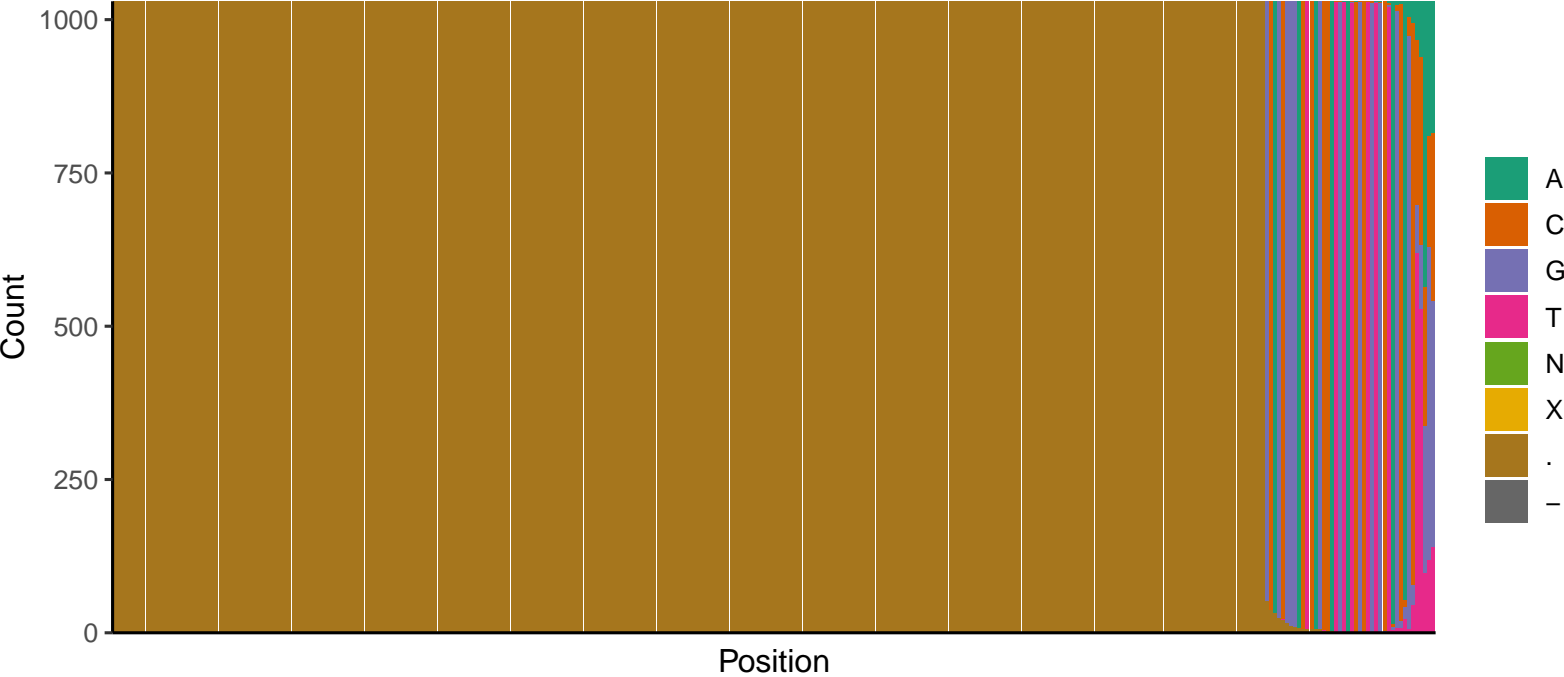
Gene TRBV7-7*ap01_C315T



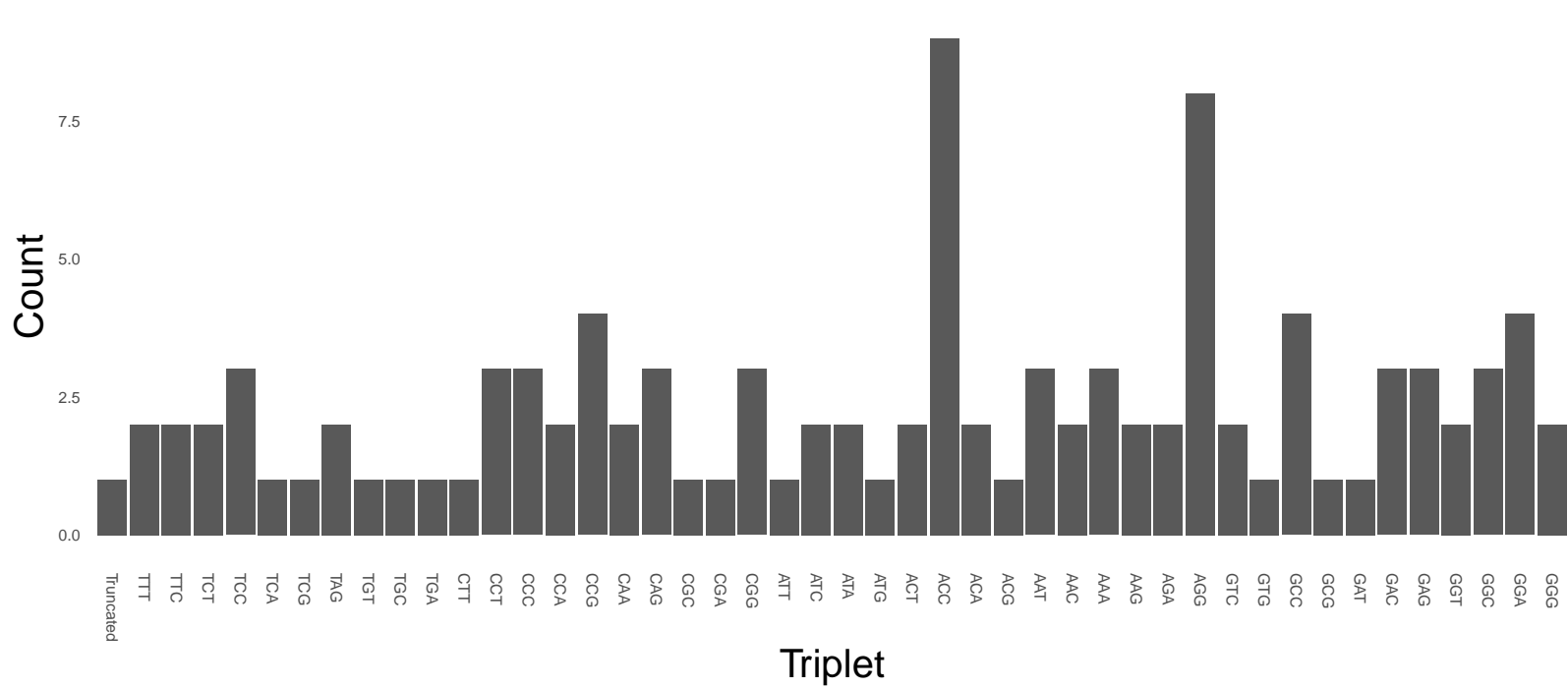
Gene TRBV7-1*ap01_T296C



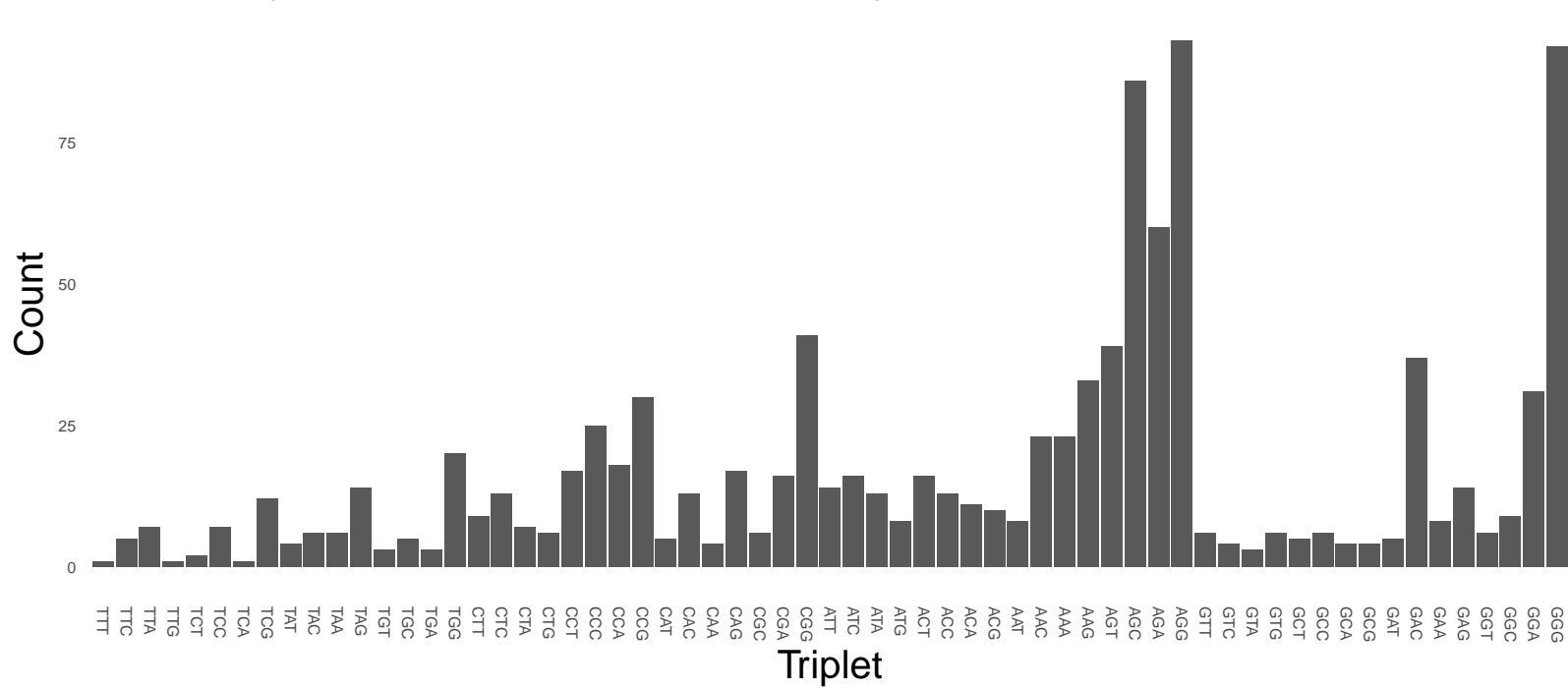
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

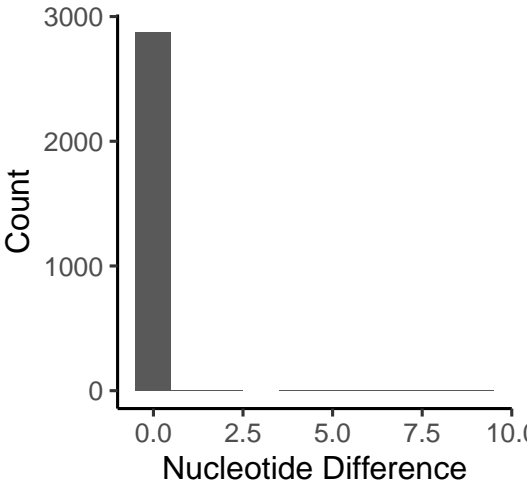


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



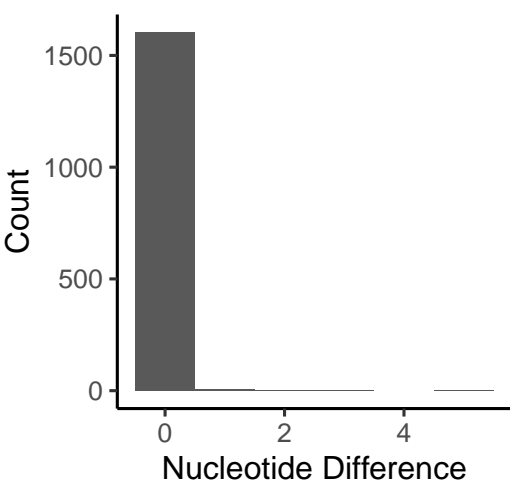
TRBV10-1*ap01

2895 sequences assigned
2873 (99.2%) exact matches, in which:
2852 unique CDR3
13 unique J



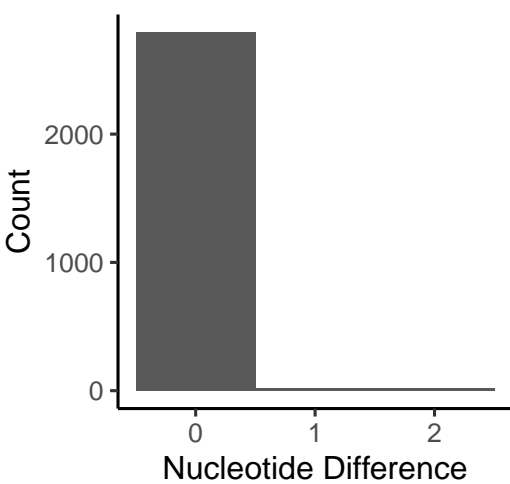
TRBV10-2*ap01

1617 sequences assigned
1603 (99.1%) exact matches, in which:
1591 unique CDR3
13 unique J



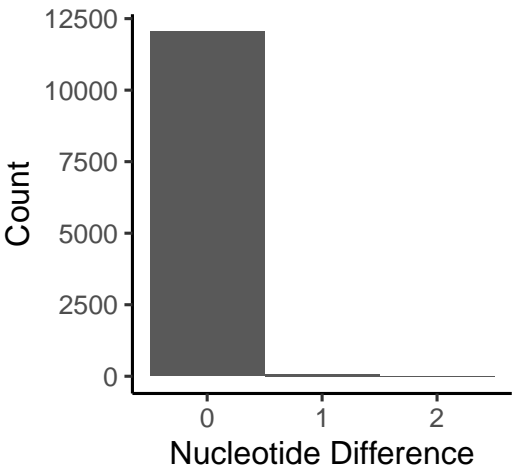
TRBV13*ap01

2833 sequences assigned
2793 (98.6%) exact matches, in which:
2760 unique CDR3
13 unique J



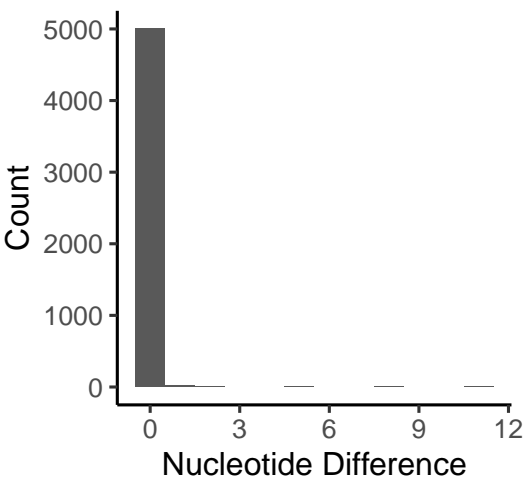
TRBV20-1*ap01

12124 sequences assigned
12051 (99.4%) exact matches, in which:
12002 unique CDR3
13 unique J



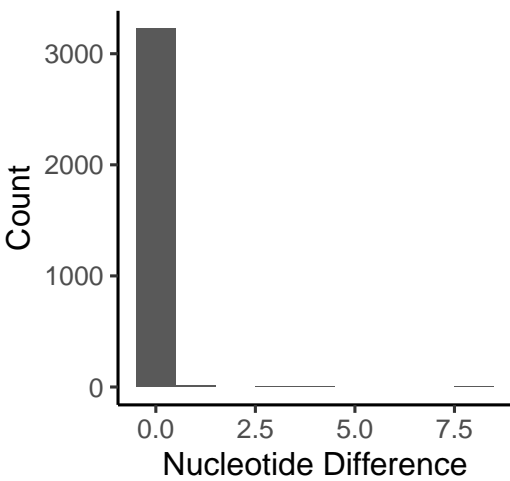
TRBV10-3*ap01

5033 sequences assigned
5003 (99.4%) exact matches, in which:
4972 unique CDR3
13 unique J



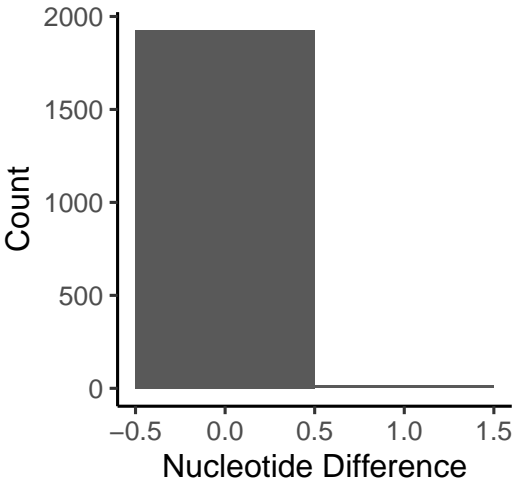
TRBV14*ap01

3239 sequences assigned
3225 (99.6%) exact matches, in which:
3209 unique CDR3
13 unique J



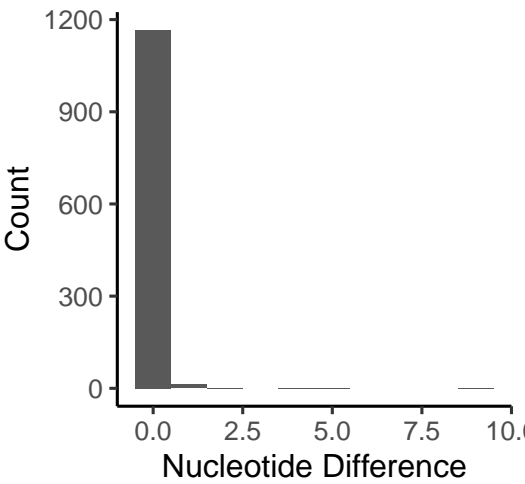
TRBV20-1*ap02

1942 sequences assigned
1927 (99.2%) exact matches, in which:
1919 unique CDR3
13 unique J



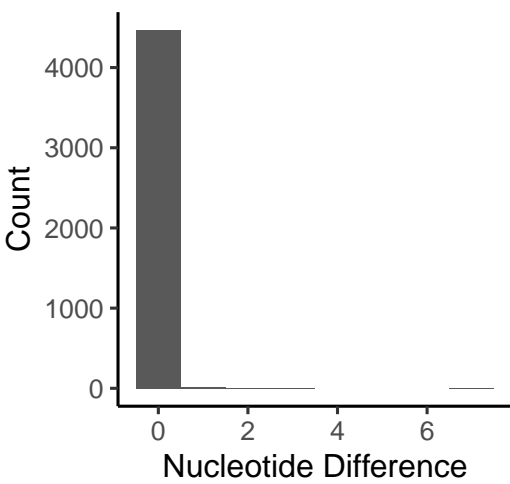
TRBV1*ap01

1184 sequences assigned
1166 (98.5%) exact matches, in which:
1154 unique CDR3
13 unique J



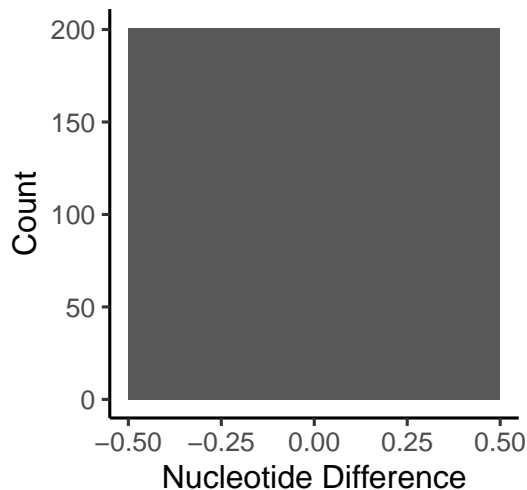
TRBV15*ap02

4490 sequences assigned
4468 (99.5%) exact matches, in which:
4436 unique CDR3
13 unique J



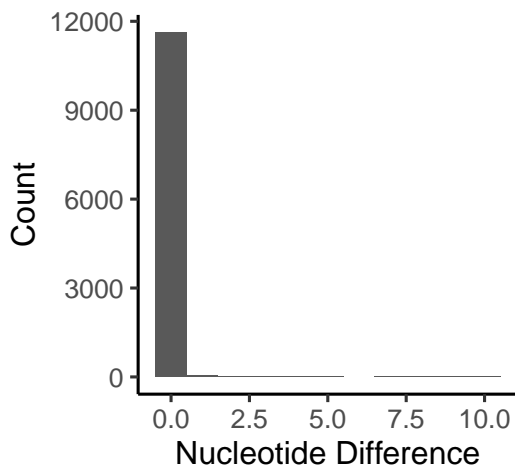
TRBV16*ap01

201 sequences assigned
201 (100%) exact matches, in which:
201 unique CDR3
12 unique J



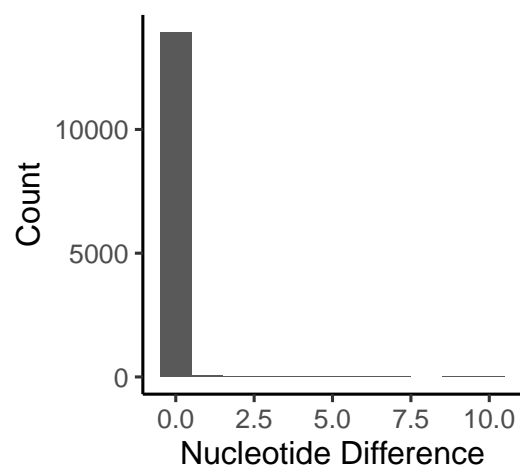
TRBV19*ap01

11708 sequences assigned
11634 (99.4%) exact matches, in which:
11614 unique CDR3
13 unique J



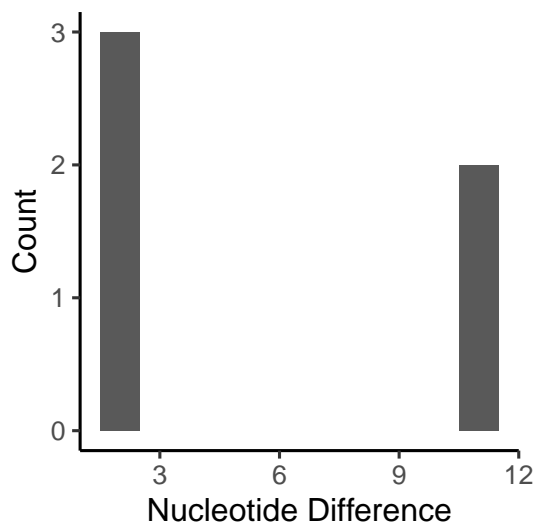
TRBV27*ap01

14031 sequences assigned
13932 (99.3%) exact matches, in which:
13840 unique CDR3
13 unique J



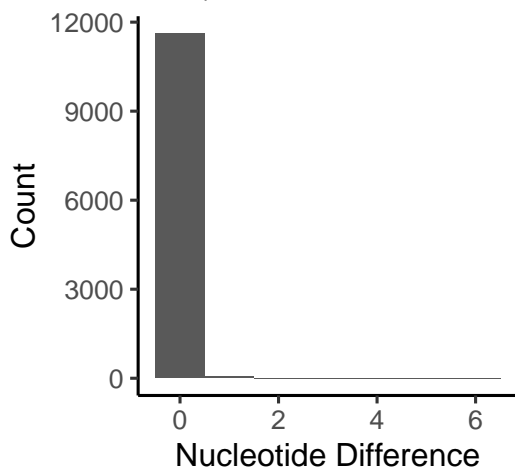
TRBV17*ap01

5 sequences assigned
No exact matches.



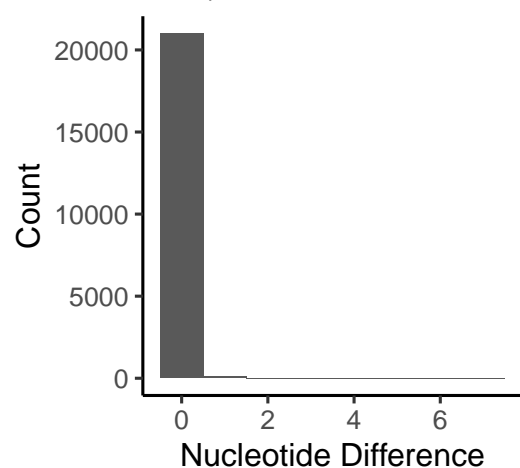
TRBV2*ap01

11686 sequences assigned
11618 (99.4%) exact matches, in which:
11543 unique CDR3
13 unique J



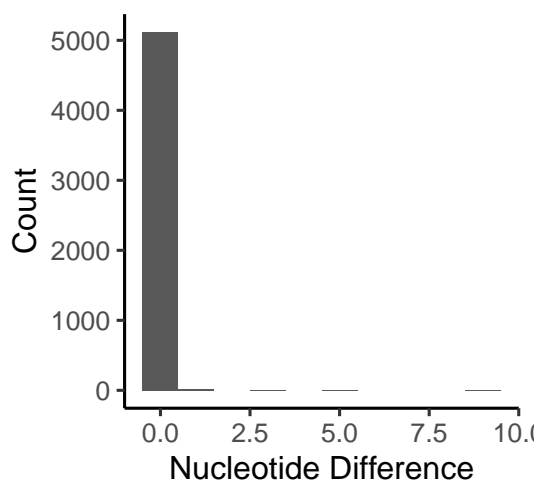
TRBV28*ap01

21123 sequences assigned
21003 (99.4%) exact matches, in which:
20917 unique CDR3
13 unique J



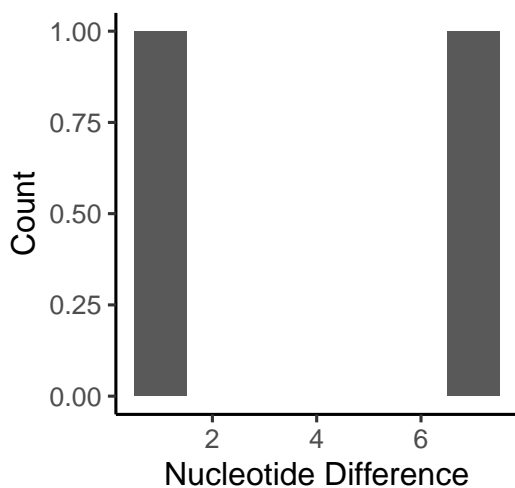
TRBV18*ap01

5136 sequences assigned
5118 (99.6%) exact matches, in which:
5101 unique CDR3
13 unique J



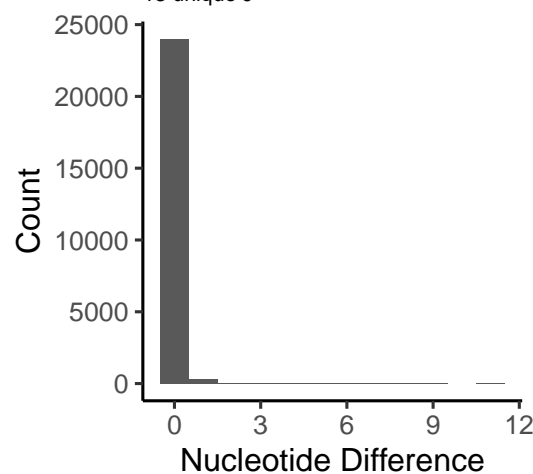
TRBV26*ap01

2 sequences assigned
No exact matches.



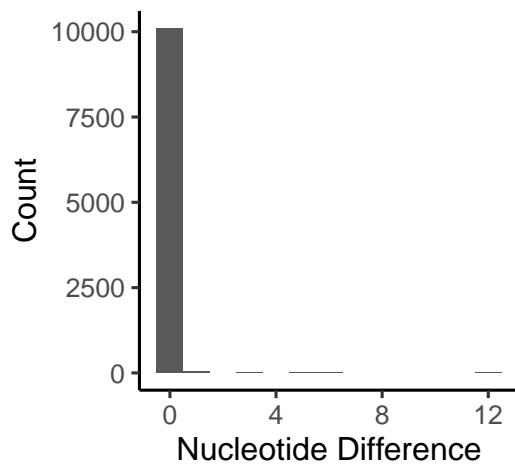
TRBV30*ap01

24367 sequences assigned
24012 (98.5%) exact matches, in which:
23643 unique CDR3
13 unique J



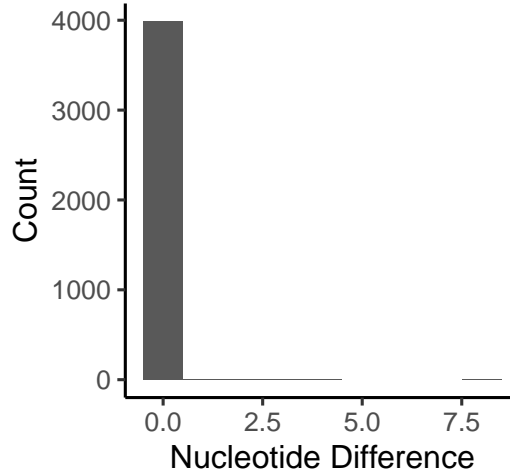
TRBV9*ap01

10145 sequences assigned
10104 (99.6%) exact matches, in which:
10064 unique CDR3
13 unique J



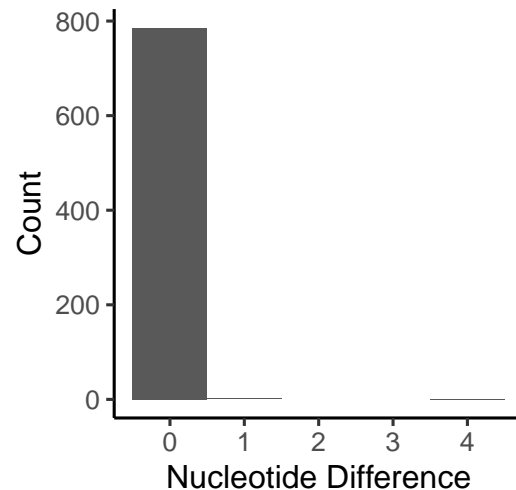
TRBV11-2*ap01

4001 sequences assigned
3987 (99.7%) exact matches, in which:
3980 unique CDR3
13 unique J



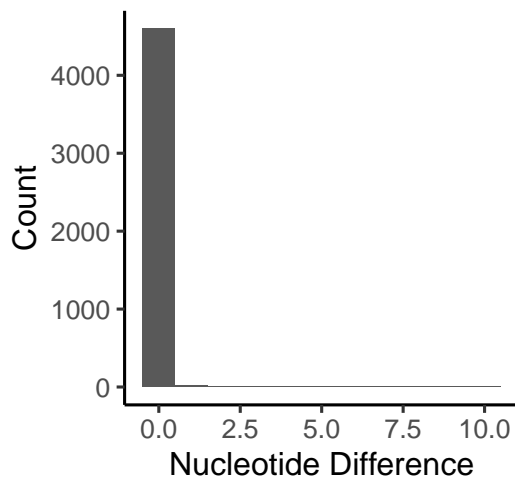
TRBV12-2*ap01

789 sequences assigned
786 (99.6%) exact matches, in which:
782 unique CDR3
13 unique J



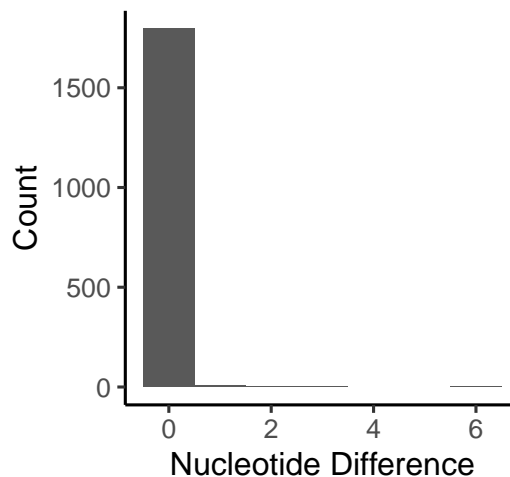
TRBV21-1*ap01

4663 sequences assigned
4598 (98.6%) exact matches, in which:
4588 unique CDR3
13 unique J



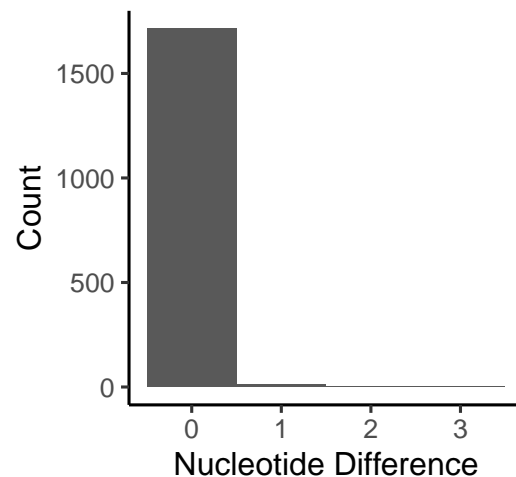
TRBV11-3*ap01

1808 sequences assigned
1796 (99.3%) exact matches, in which:
1789 unique CDR3
13 unique J



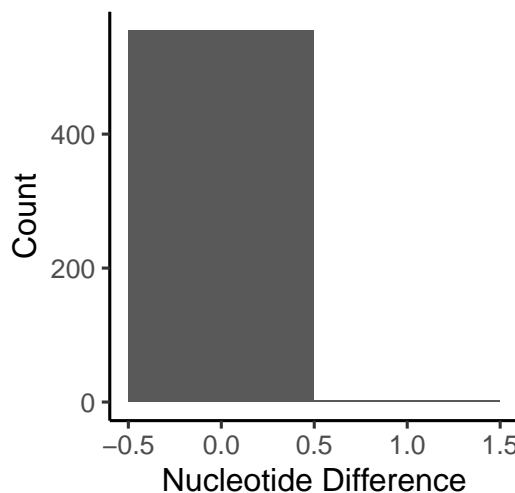
TRBV12-5*ap01

1732 sequences assigned
1714 (99%) exact matches, in which:
1710 unique CDR3
13 unique J



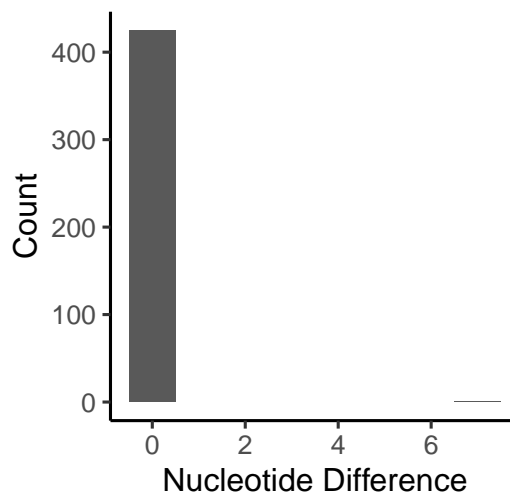
TRBV11-1*ap01

557 sequences assigned
555 (99.6%) exact matches, in which:
552 unique CDR3
12 unique J



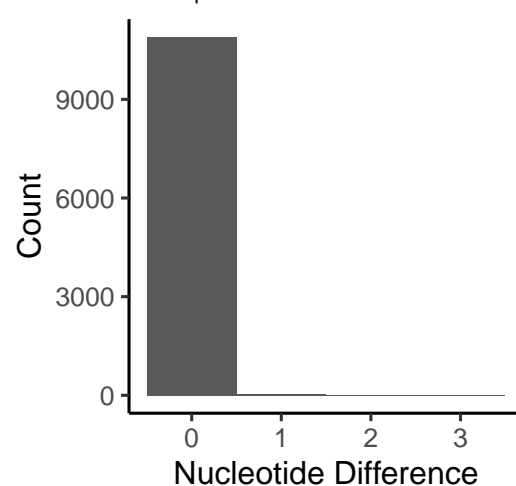
TRBV12-1*ap01

426 sequences assigned
425 (99.8%) exact matches, in which:
423 unique CDR3
13 unique J



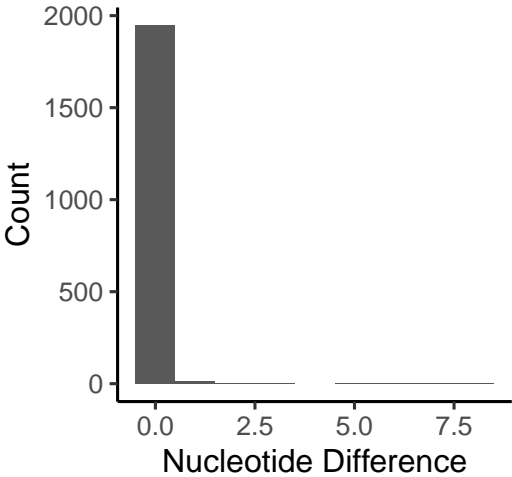
TRBV12-34*ap01

10945 sequences assigned
10895 (99.5%) exact matches, in which:
10825 unique CDR3
13 unique J



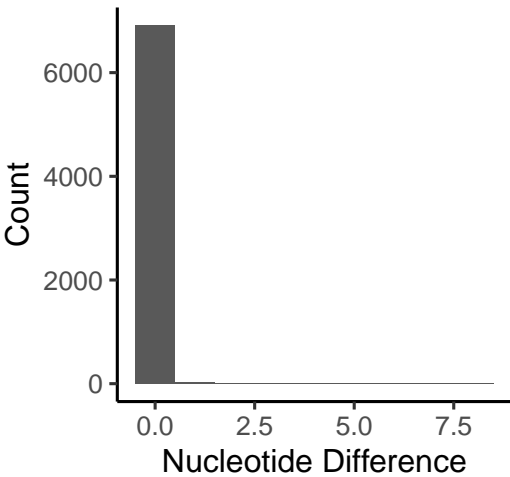
TRBV23-1*ap01

1972 sequences assigned
1947 (98.7%) exact matches, in which:
1941 unique CDR3
13 unique J



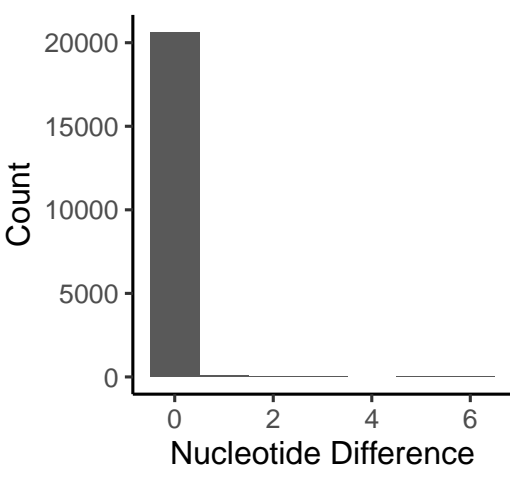
TRBV24-1*ap01

6961 sequences assigned
6911 (99.3%) exact matches, in which:
6862 unique CDR3
13 unique J



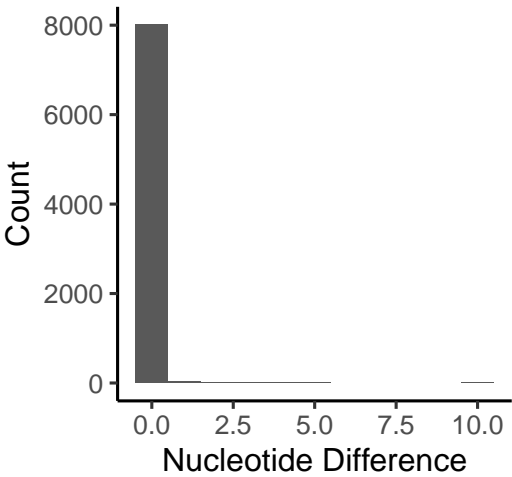
TRBV5-1*ap01

20745 sequences assigned
20632 (99.5%) exact matches, in which:
20452 unique CDR3
13 unique J



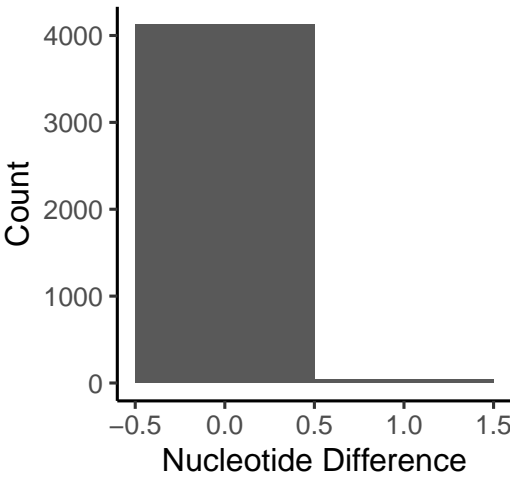
TRBV3-12*ap01

8046 sequences assigned
8010 (99.6%) exact matches, in which:
7987 unique CDR3
13 unique J



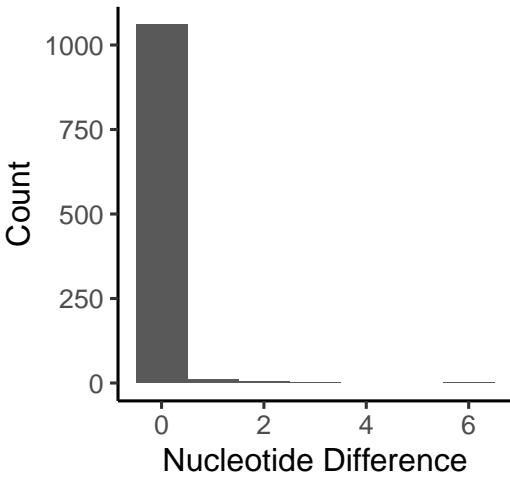
TRBV4-2*ap01

4159 sequences assigned
4124 (99.2%) exact matches, in which:
4085 unique CDR3
13 unique J



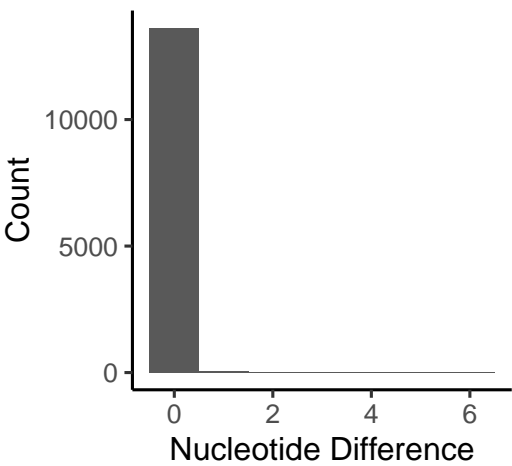
TRBV5-3*ap01

1076 sequences assigned
1060 (98.5%) exact matches, in which:
1055 unique CDR3
13 unique J



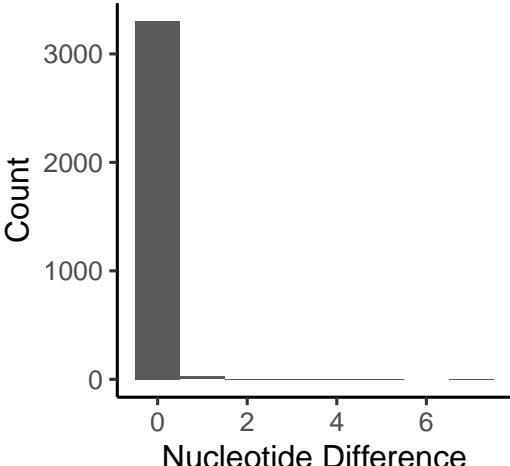
TRBV4-1*ap01

13708 sequences assigned
13627 (99.4%) exact matches, in which:
13502 unique CDR3
13 unique J



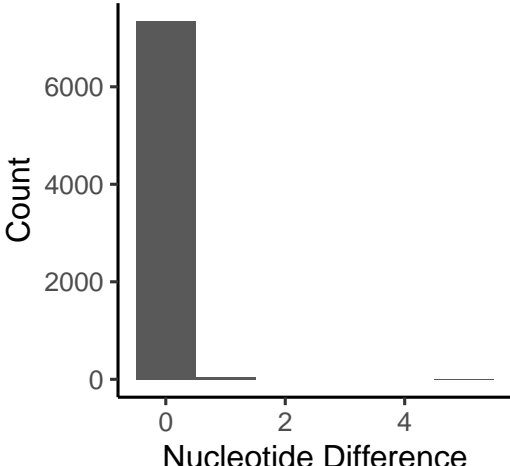
TRBV25-1*ap01

3337 sequences assigned
3303 (99%) exact matches, in which:
3260 unique CDR3
13 unique J



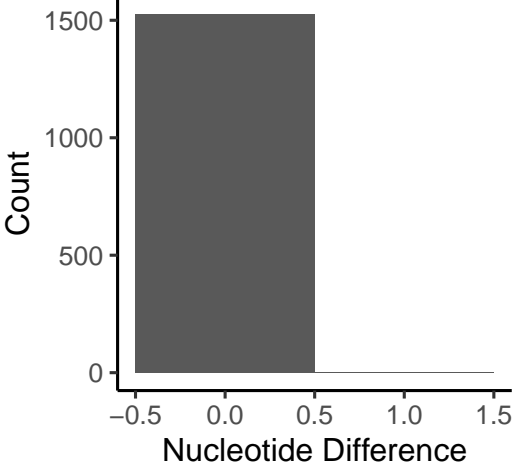
TRBV5-4*ap01

7395 sequences assigned
7348 (99.4%) exact matches, in which:
7284 unique CDR3
13 unique J



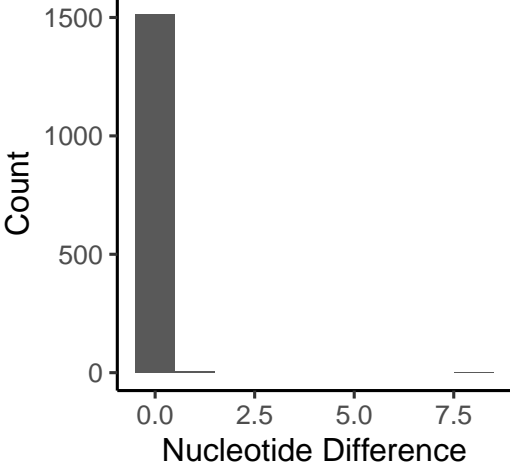
TRBV5-5*ap01

1526 sequences assigned
1525 (99.9%) exact matches, in which:
1522 unique CDR3
13 unique J



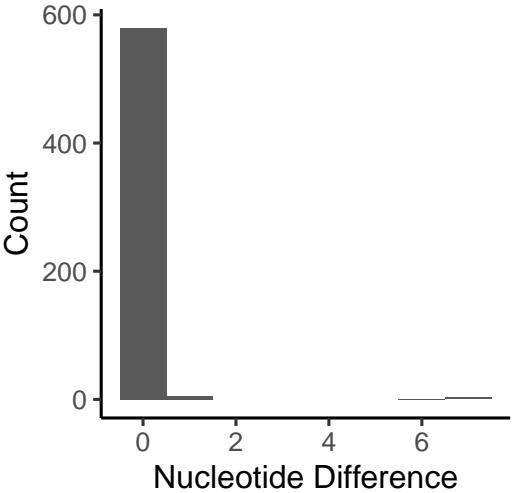
TRBV5-8*ap01

1520 sequences assigned
1513 (99.5%) exact matches, in which:
1504 unique CDR3
13 unique J



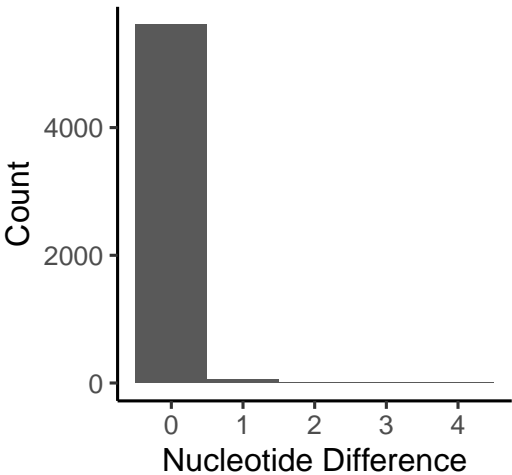
TRBV6-7*ap01

589 sequences assigned
580 (98.5%) exact matches, in which:
574 unique CDR3
13 unique J



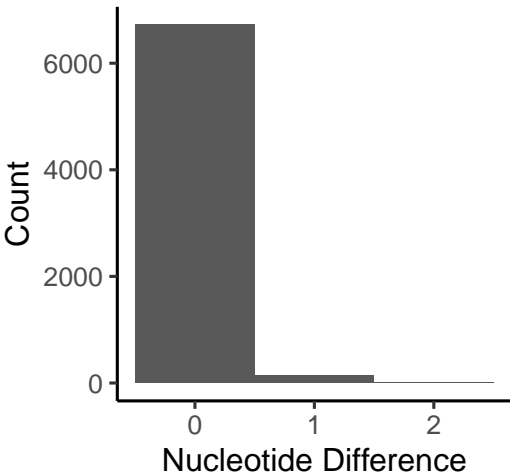
TRBV5-6*ap01

5663 sequences assigned
5611 (99.1%) exact matches, in which:
5523 unique CDR3
13 unique J



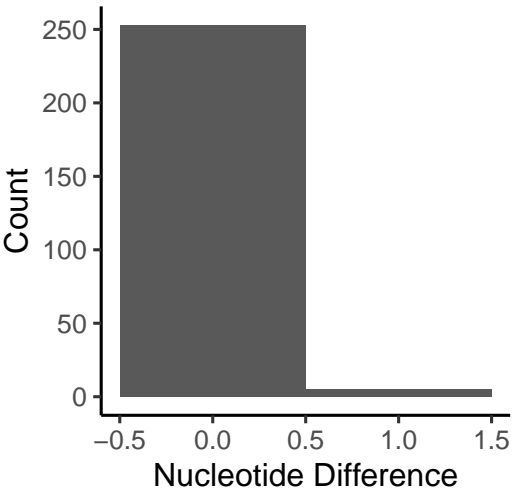
TRBV6-1*ap01

6869 sequences assigned
6722 (97.9%) exact matches, in which:
6678 unique CDR3
13 unique J



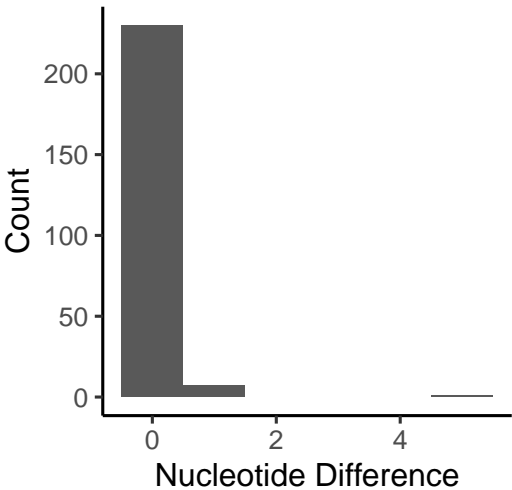
TRBV6-8*ap01

258 sequences assigned
253 (98.1%) exact matches, in which:
246 unique CDR3
13 unique J



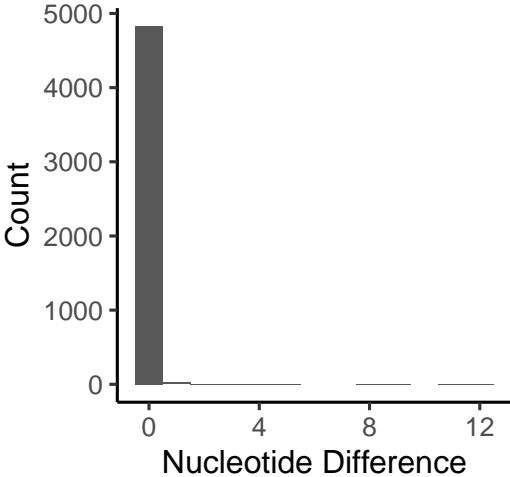
TRBV5-7*ap01

238 sequences assigned
230 (96.6%) exact matches, in which:
227 unique CDR3
13 unique J



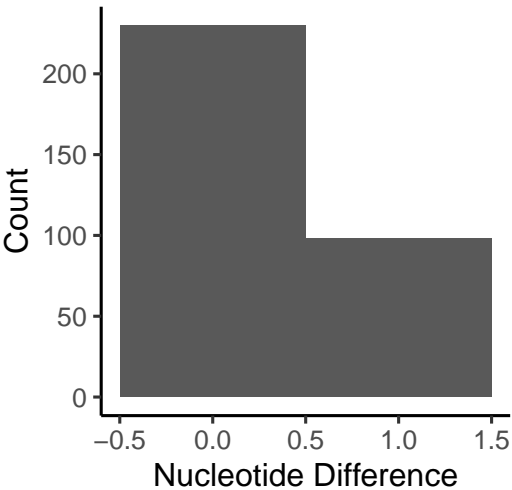
TRBV6-4*ap01

4876 sequences assigned
4830 (99.1%) exact matches, in which:
4814 unique CDR3
13 unique J



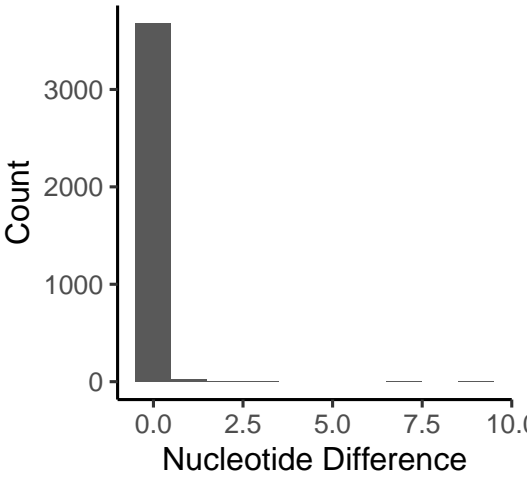
TRBV6-9*ap01

328 sequences assigned
230 (70.1%) exact matches, in which:
225 unique CDR3
13 unique J



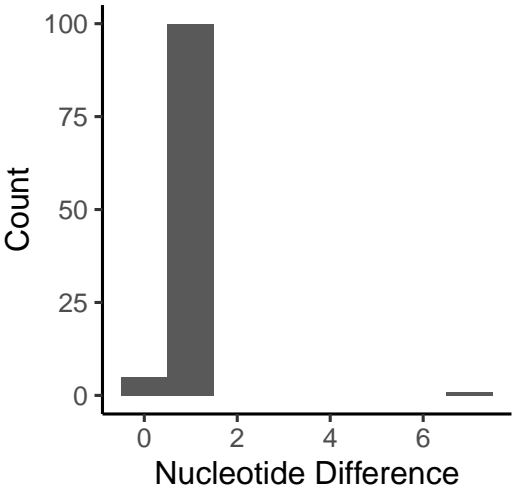
TRBV6-23*ap01

3714 sequences assigned
3678 (99%) exact matches, in which:
3618 unique CDR3
13 unique J



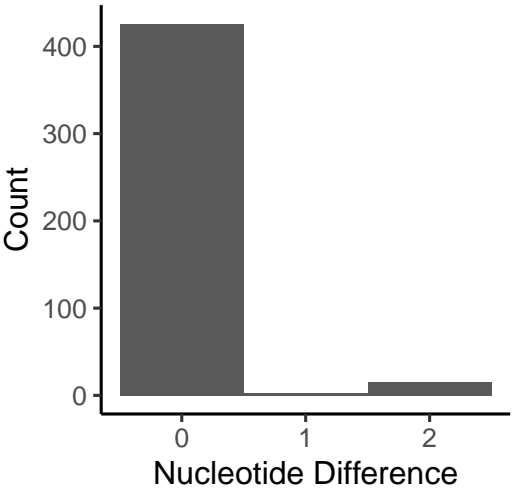
TRBV7-1*ap01_T296C

106 sequences assigned
5 (4.7%) exact matches, in which:
5 unique CDR3
4 unique J



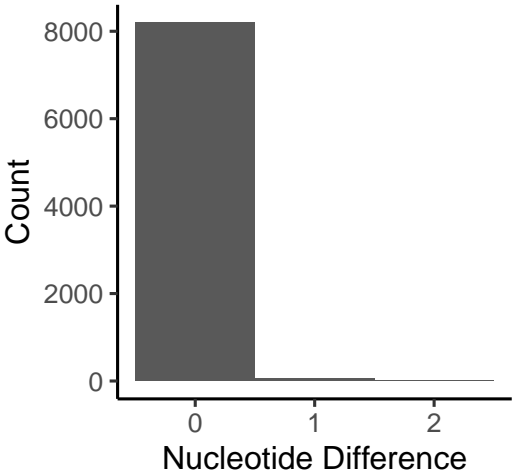
TRBV7-4*ap01

444 sequences assigned
426 (95.9%) exact matches, in which:
424 unique CDR3
13 unique J



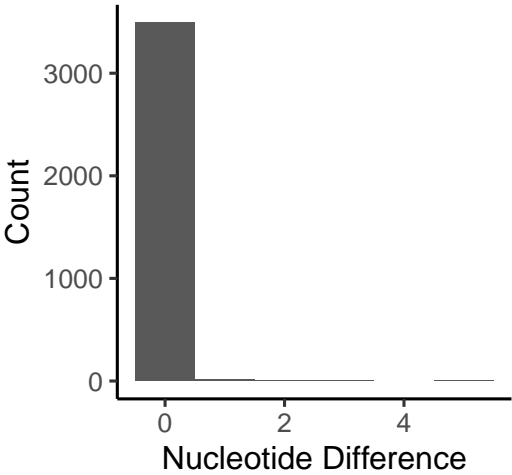
TRBV6-56*ap01

8246 sequences assigned
8195 (99.4%) exact matches, in which:
8105 unique CDR3
13 unique J



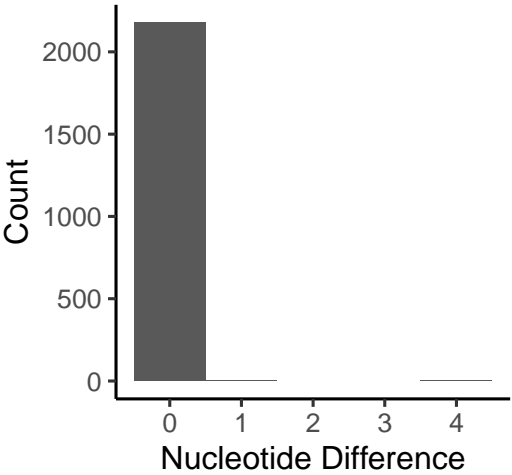
TRBV7-2*ap01

3509 sequences assigned
3492 (99.5%) exact matches, in which:
3465 unique CDR3
13 unique J



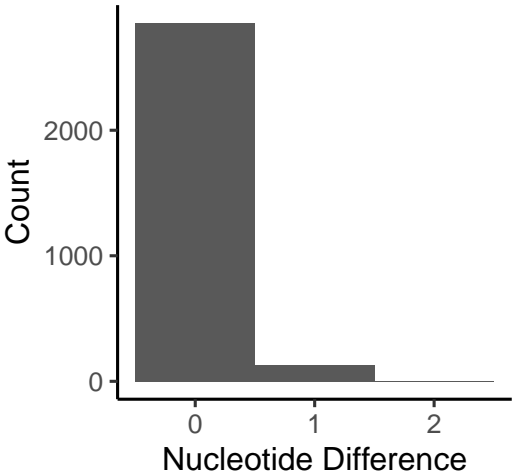
TRBV7-6*ap01

2183 sequences assigned
2177 (99.7%) exact matches, in which:
2165 unique CDR3
13 unique J



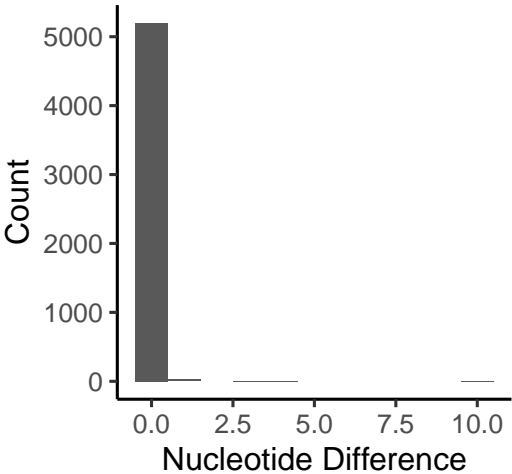
TRBV6-56*ap02

2986 sequences assigned
2854 (95.6%) exact matches, in which:
2823 unique CDR3
13 unique J



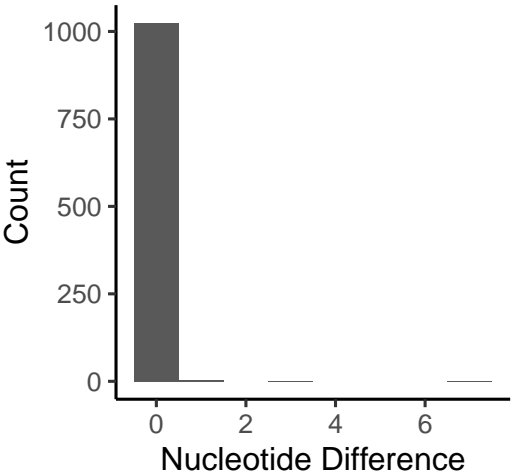
TRBV7-3*ap01

5225 sequences assigned
5198 (99.5%) exact matches, in which:
5179 unique CDR3
13 unique J



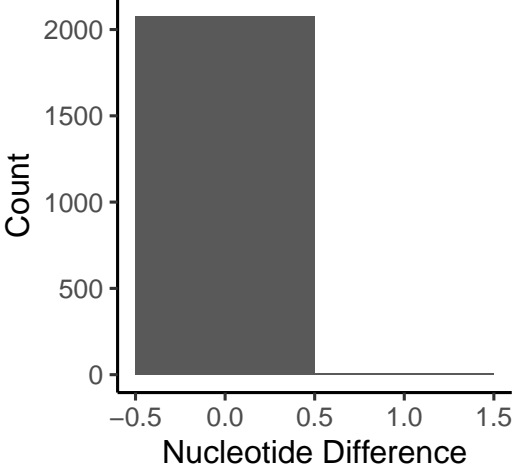
TRBV7-7*ap01_C315T

1030 sequences assigned
1024 (99.4%) exact matches, in which:
1018 unique CDR3
13 unique J



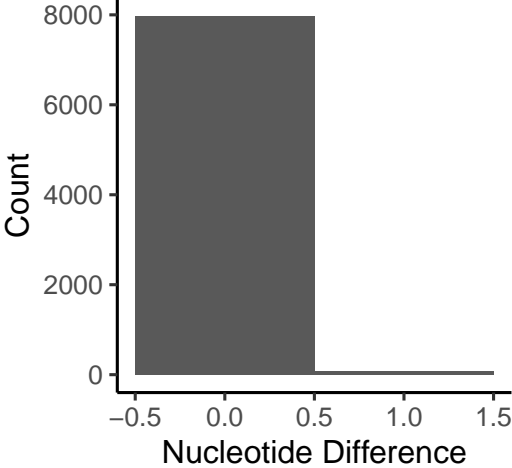
TRBV7-8*ap01

2083 sequences assigned
2076 (99.7%) exact matches, in which:
2062 unique CDR3
13 unique J



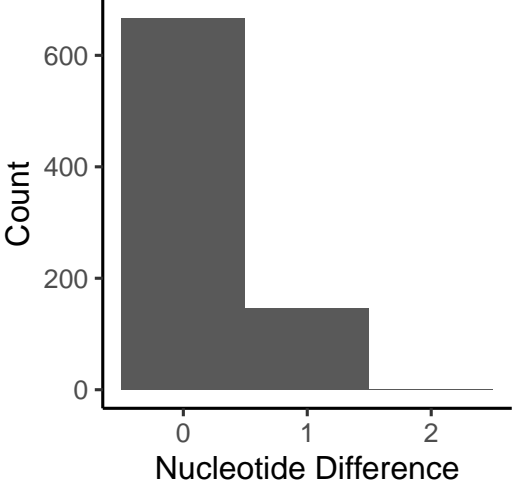
TRBV29-1*ap01

8045 sequences assigned
7965 (99%) exact matches, in which:
7810 unique CDR3
13 unique J



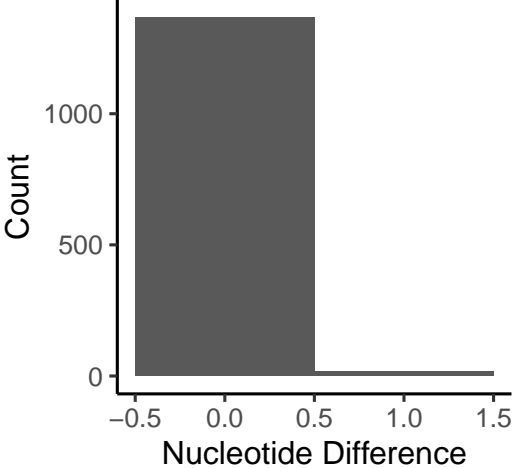
TRBV7-8*ap03

815 sequences assigned
667 (81.8%) exact matches, in which:
666 unique CDR3
13 unique J



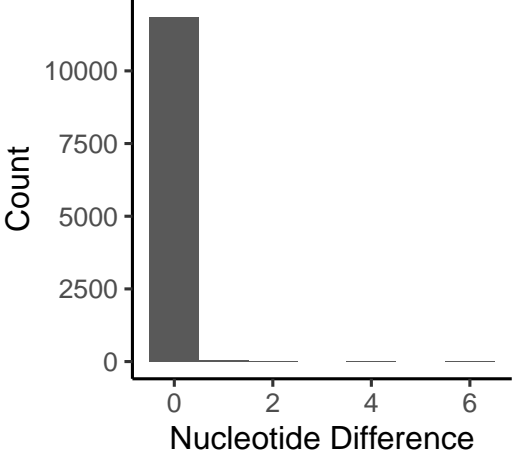
TRBV29-1*ap02

1384 sequences assigned
1366 (98.7%) exact matches, in which:
1348 unique CDR3
13 unique J

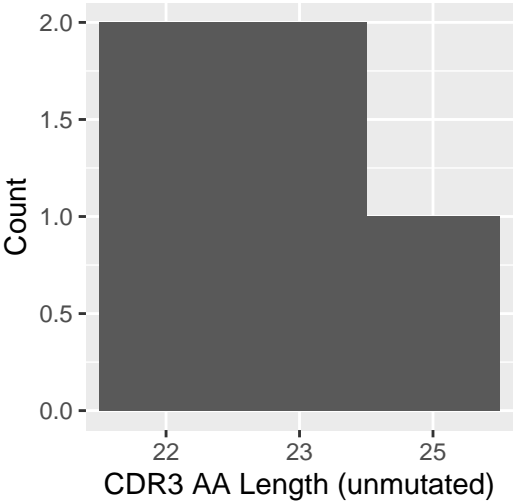


TRBV7-9*ap01

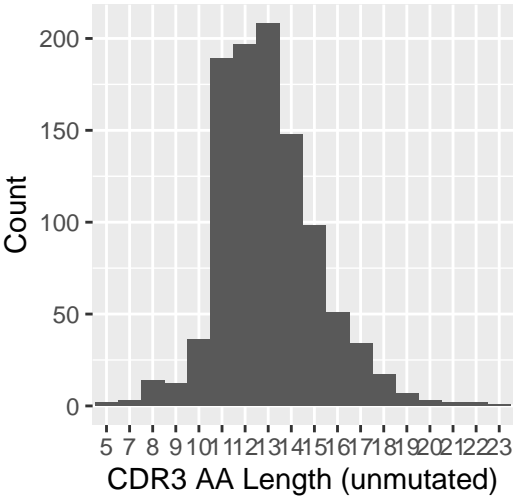
11922 sequences assigned
11861 (99.5%) exact matches, in which:
11790 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]