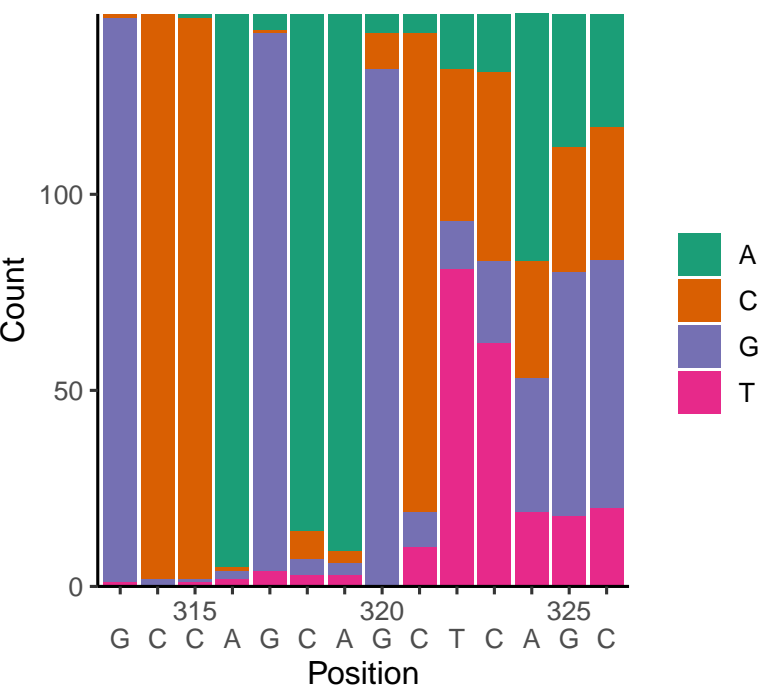
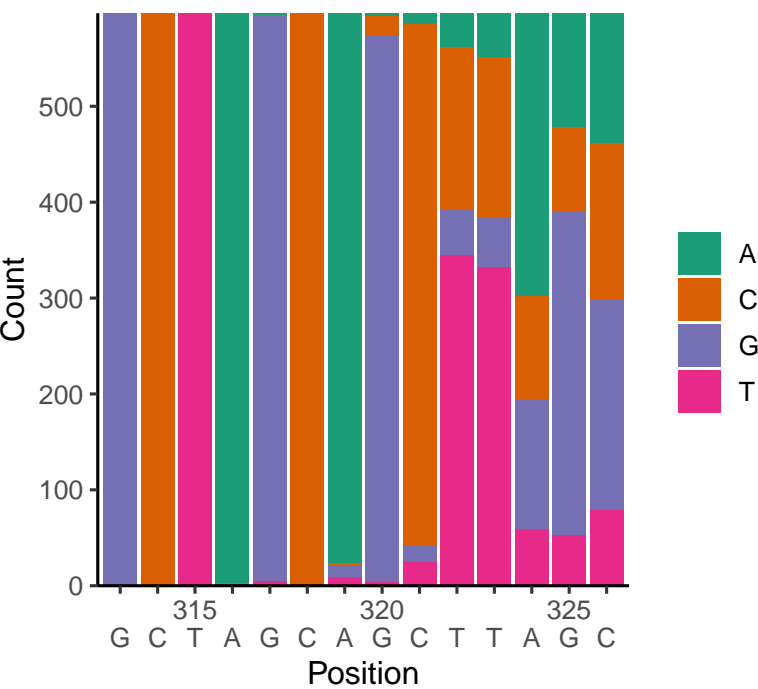


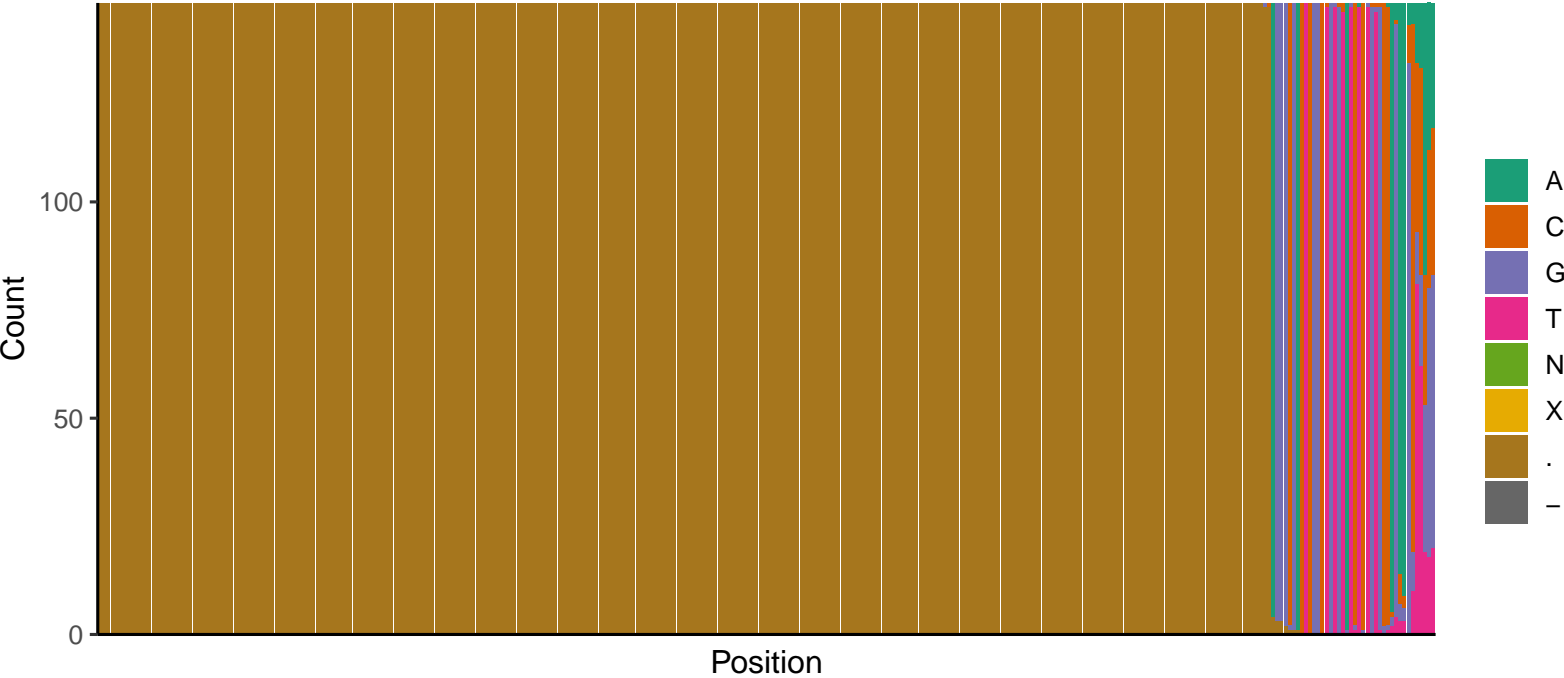
Gene TRBV7-1*ap01_G291C_T296C



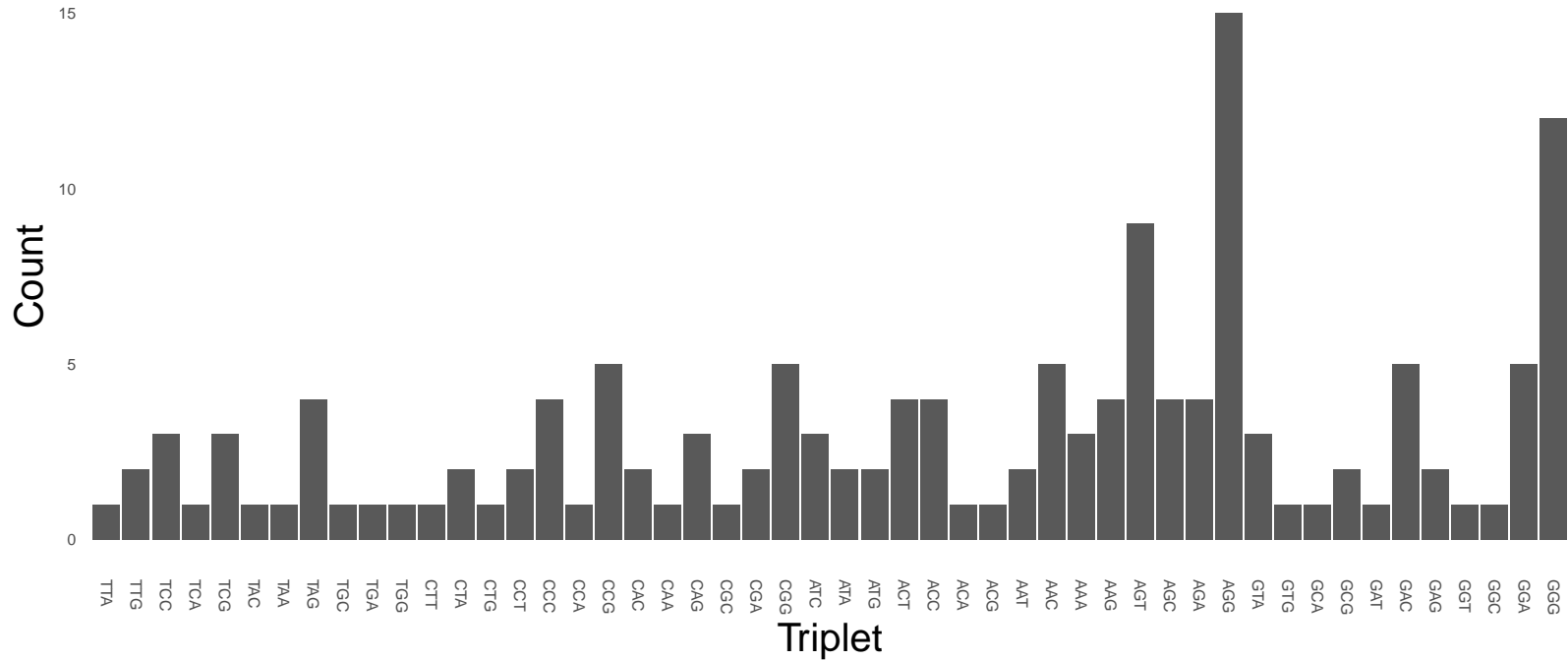
Gene TRBV7-7*ap01_C315T



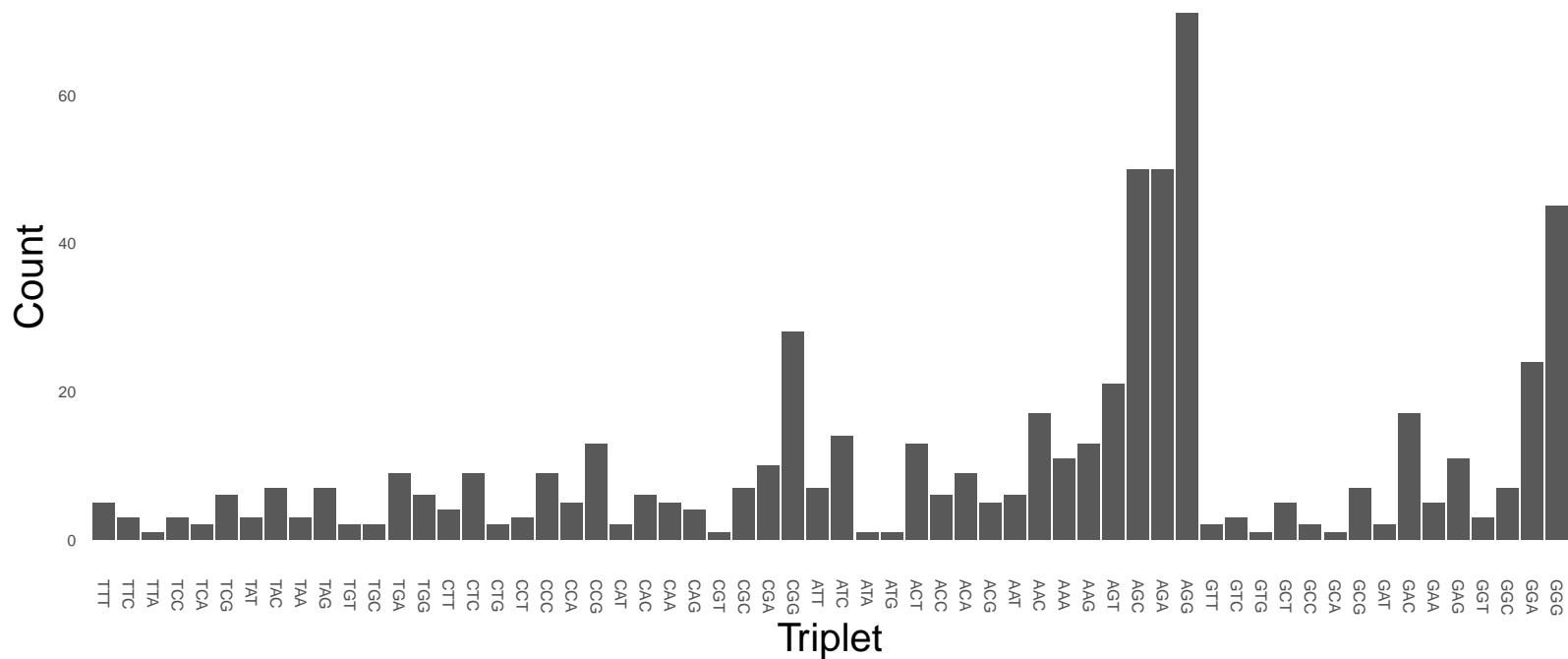
Gene TRBV7-1*ap01_G291C_T296C



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

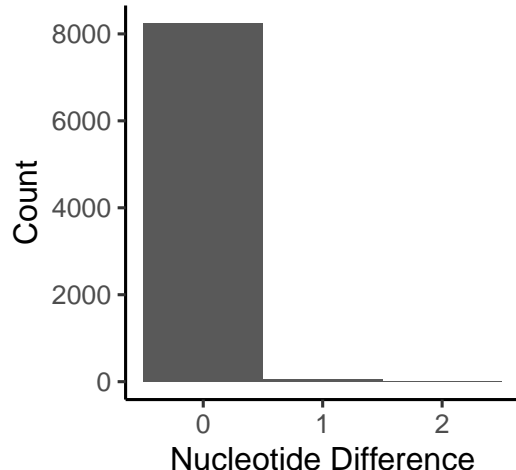


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



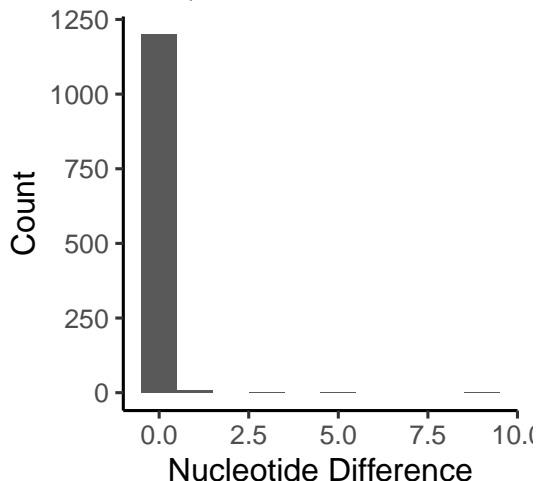
TRBV20-1*ap01

8308 sequences assigned
8241 (99.2%) exact matches, in which:
8190 unique CDR3
13 unique J



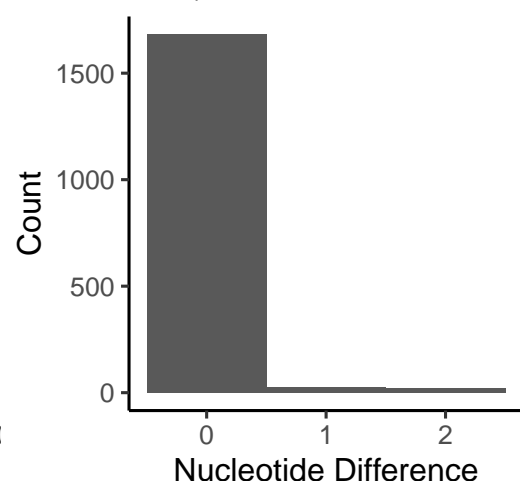
TRBV10-2*ap01

1211 sequences assigned
1200 (99.1%) exact matches, in which:
1193 unique CDR3
13 unique J



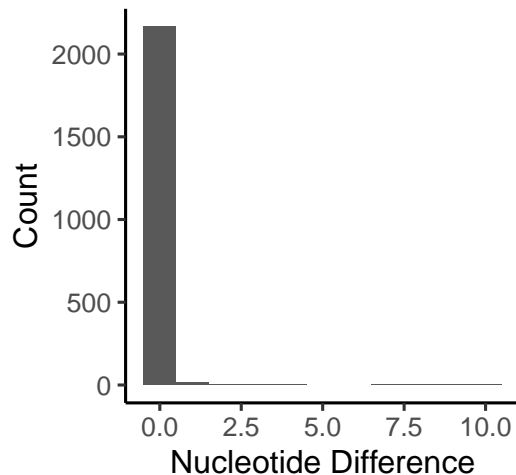
TRBV13*ap01

1726 sequences assigned
1682 (97.5%) exact matches, in which:
1660 unique CDR3
13 unique J



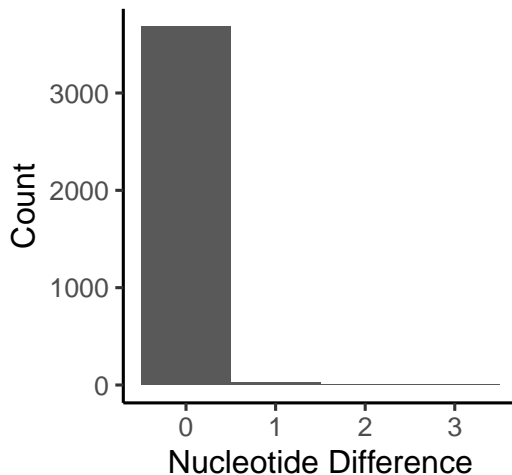
TRBV10-1*ap01

2190 sequences assigned
2165 (98.9%) exact matches, in which:
2140 unique CDR3
13 unique J



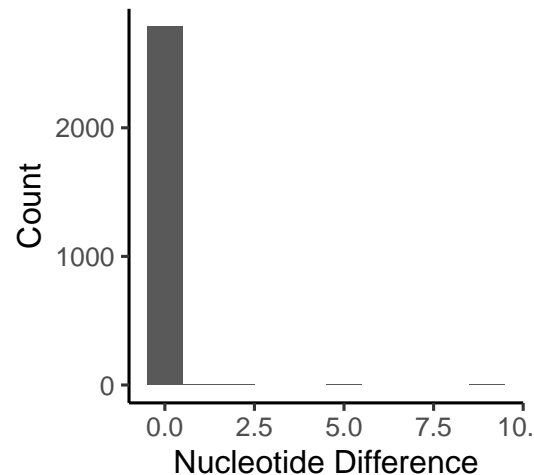
TRBV10-3*ap01

3710 sequences assigned
3681 (99.2%) exact matches, in which:
3657 unique CDR3
13 unique J



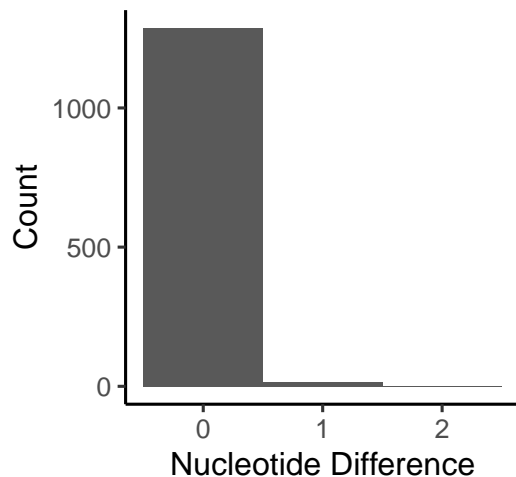
TRBV14*ap01

2793 sequences assigned
2786 (99.7%) exact matches, in which:
2767 unique CDR3
13 unique J



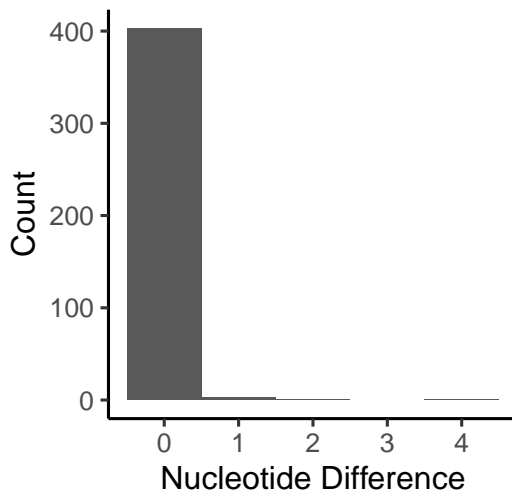
TRBV20-1*ap02

1304 sequences assigned
1287 (98.7%) exact matches, in which:
1276 unique CDR3
13 unique J



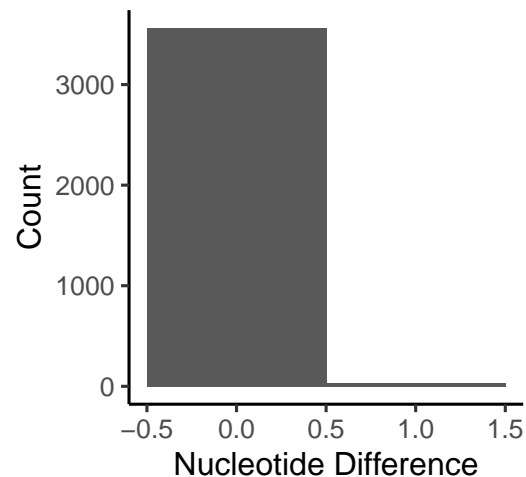
TRBV1*ap01

408 sequences assigned
403 (98.8%) exact matches, in which:
396 unique CDR3
13 unique J



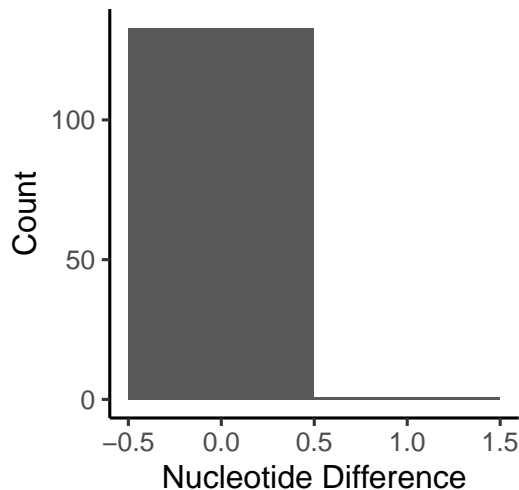
TRBV15*ap02

3593 sequences assigned
3562 (99.1%) exact matches, in which:
3522 unique CDR3
13 unique J



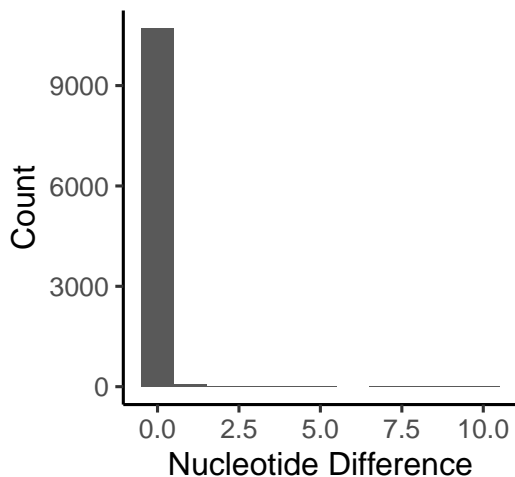
TRBV16*ap01

134 sequences assigned
133 (99.3%) exact matches, in which:
133 unique CDR3
13 unique J



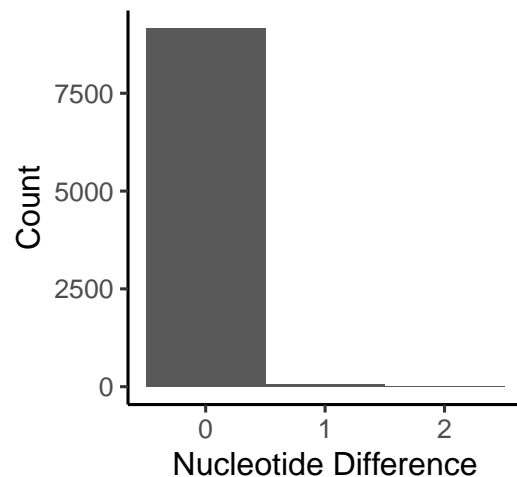
TRBV19*ap01

10800 sequences assigned
10709 (99.2%) exact matches, in which:
10685 unique CDR3
13 unique J



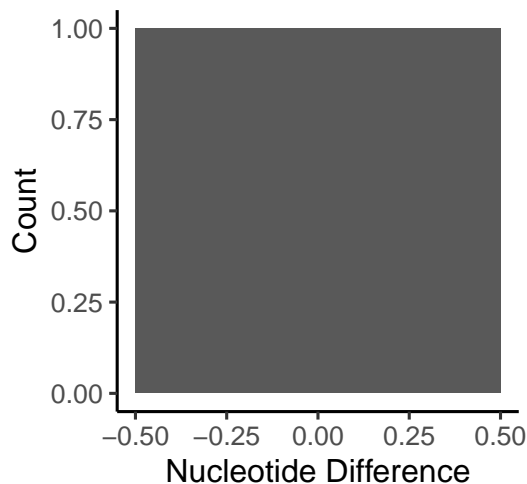
TRBV28*ap01

9232 sequences assigned
9158 (99.2%) exact matches, in which:
9099 unique CDR3
13 unique J



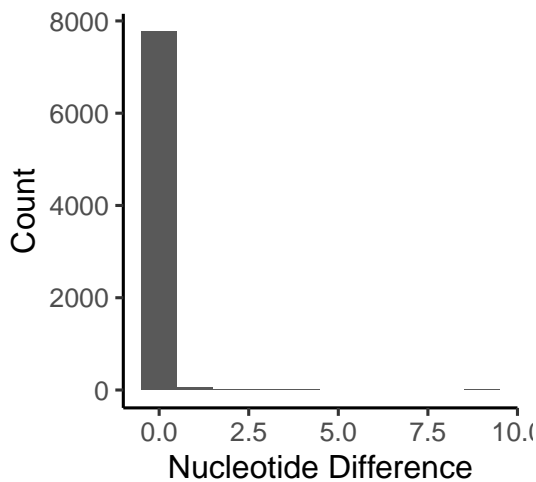
TRBV17*ap01

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



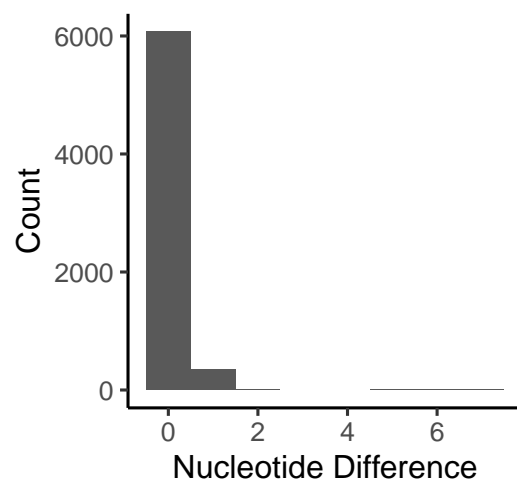
TRBV2*ap01

7837 sequences assigned
7766 (99.1%) exact matches, in which:
7700 unique CDR3
13 unique J



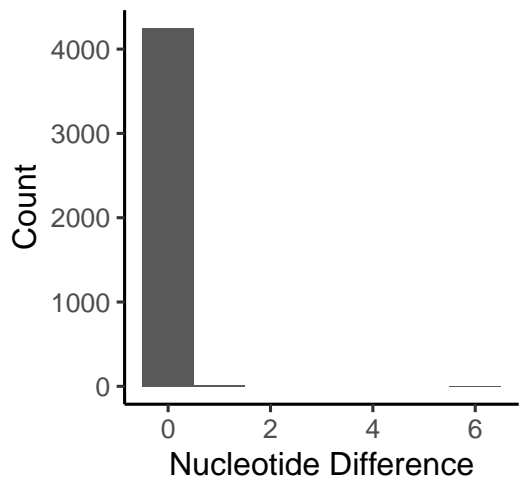
TRBV30*ap01

6434 sequences assigned
6072 (94.4%) exact matches, in which:
6038 unique CDR3
13 unique J



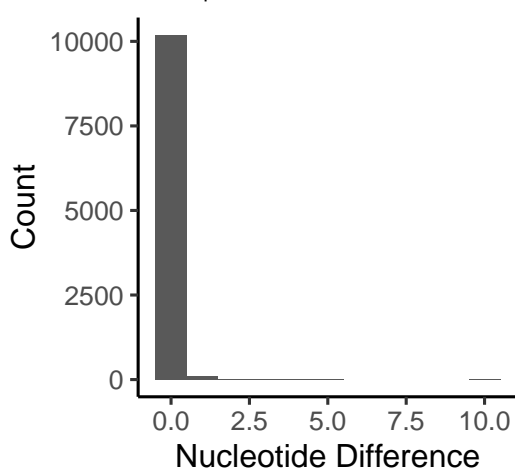
TRBV18*ap01

4268 sequences assigned
4250 (99.6%) exact matches, in which:
4235 unique CDR3
13 unique J



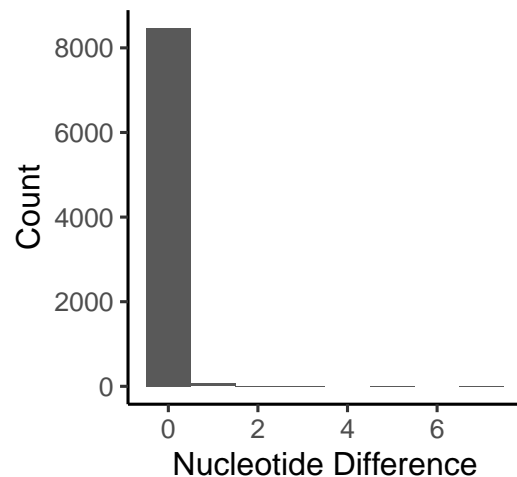
TRBV27*ap01

10301 sequences assigned
10194 (99%) exact matches, in which:
10091 unique CDR3
13 unique J



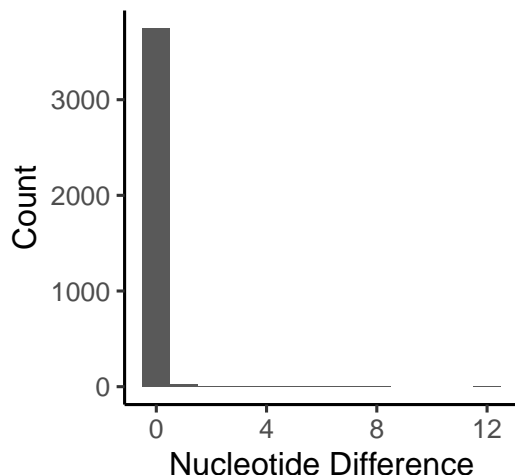
TRBV9*ap01

8539 sequences assigned
8468 (99.2%) exact matches, in which:
8395 unique CDR3
13 unique J



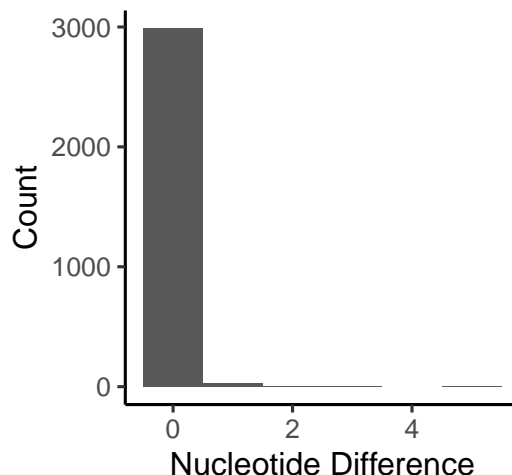
TRBV21-1*ap01

3791 sequences assigned
3745 (98.8%) exact matches, in which:
3729 unique CDR3
13 unique J



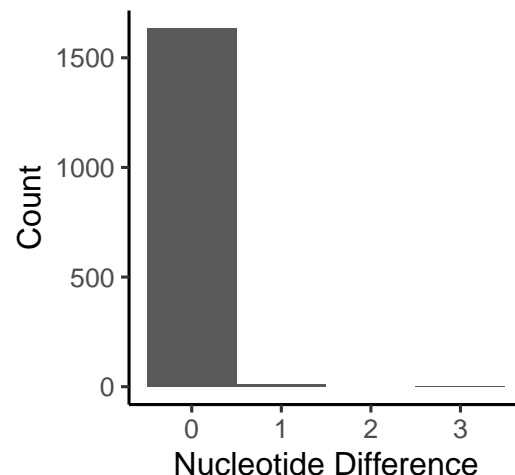
TRBV11-3*ap01

3019 sequences assigned
2988 (99%) exact matches, in which:
2968 unique CDR3
13 unique J



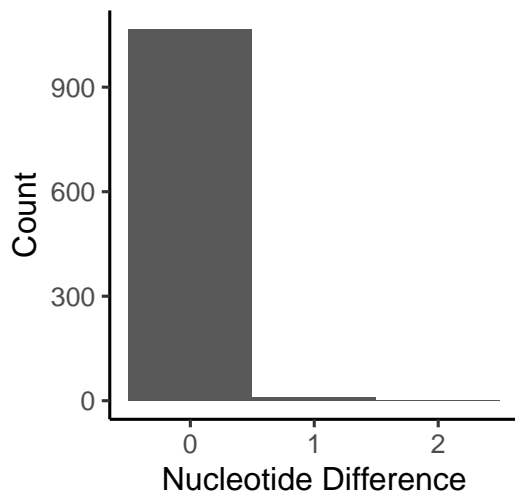
TRBV12-5*ap01

1645 sequences assigned
1634 (99.3%) exact matches, in which:
1619 unique CDR3
13 unique J



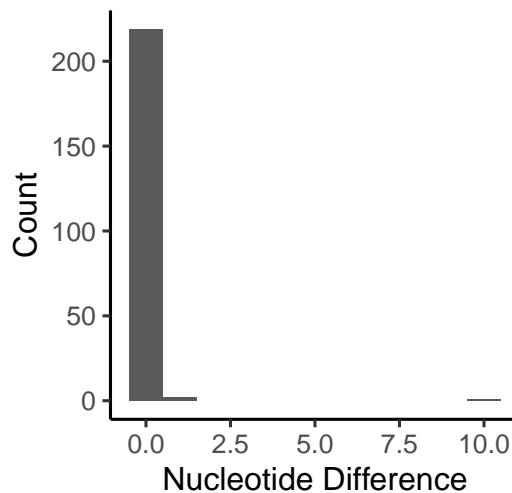
TRBV11-1*ap01

1080 sequences assigned
1067 (98.8%) exact matches, in which:
1048 unique CDR3
13 unique J



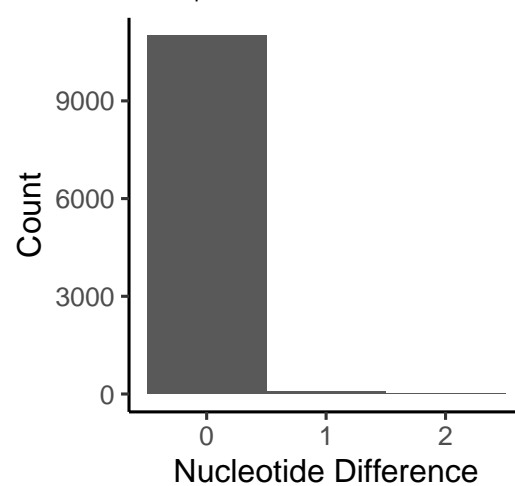
TRBV12-1*ap01

222 sequences assigned
219 (98.6%) exact matches, in which:
217 unique CDR3
13 unique J



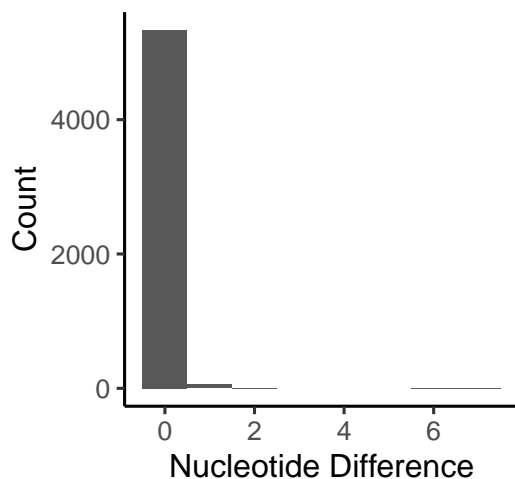
TRBV12-34*ap01

11076 sequences assigned
11000 (99.3%) exact matches, in which:
10917 unique CDR3
13 unique J



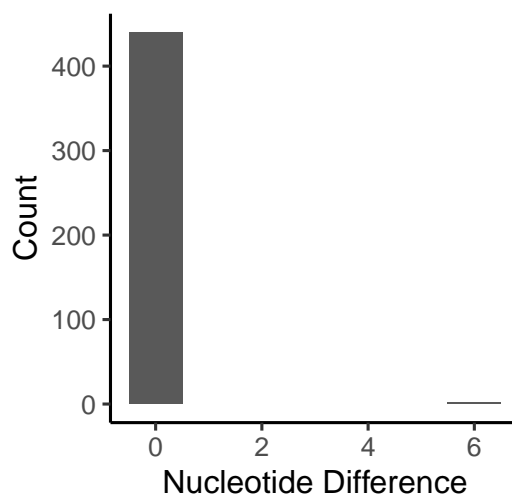
TRBV11-2*ap01

5393 sequences assigned
5334 (98.9%) exact matches, in which:
5295 unique CDR3
13 unique J



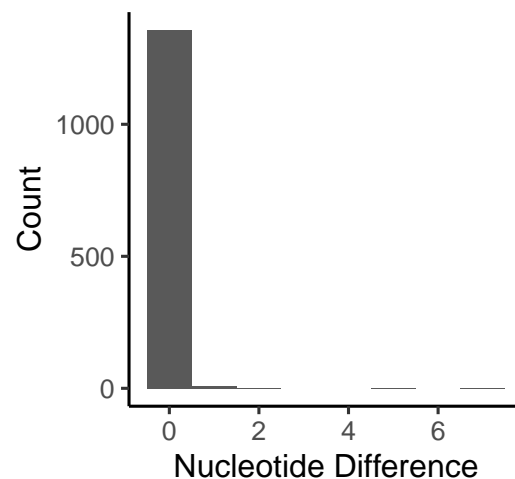
TRBV12-2*ap01

442 sequences assigned
440 (99.5%) exact matches, in which:
440 unique CDR3
13 unique J



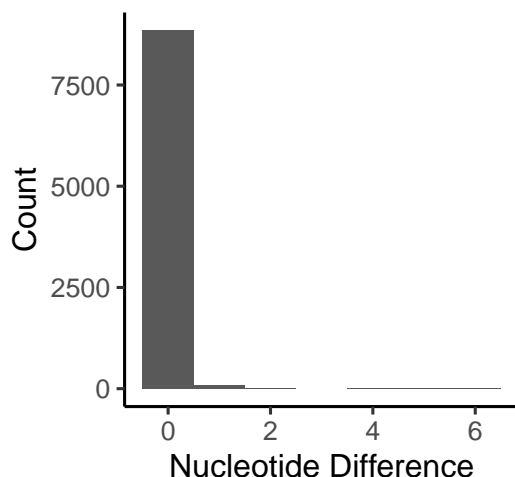
TRBV23-1*ap01

1369 sequences assigned
1357 (99.1%) exact matches, in which:
1349 unique CDR3
13 unique J



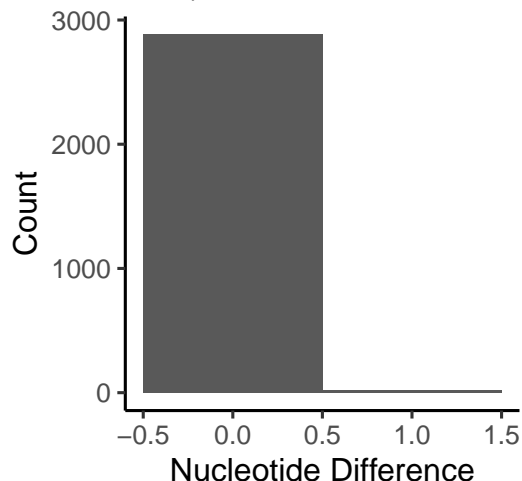
TRBV3-12*ap01

8941 sequences assigned
8848 (99%) exact matches, in which:
8767 unique CDR3
13 unique J



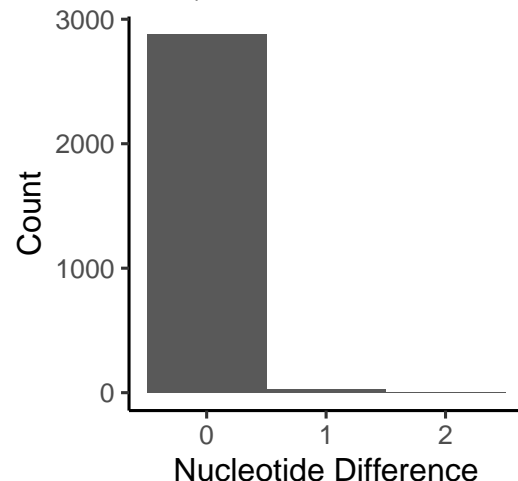
TRBV4-2*ap01

2906 sequences assigned
2884 (99.2%) exact matches, in which:
2860 unique CDR3
13 unique J



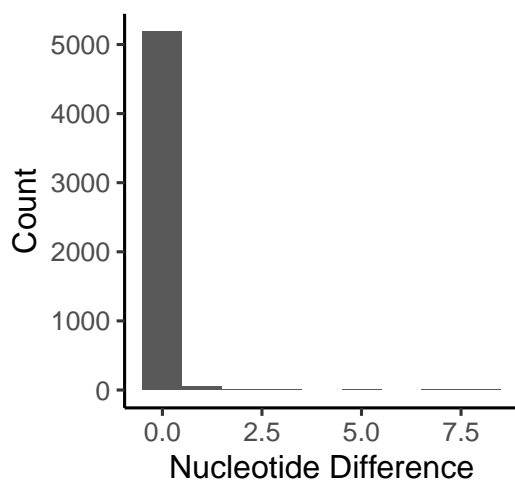
TRBV25-1*ap01

2907 sequences assigned
2878 (99%) exact matches, in which:
2855 unique CDR3
13 unique J



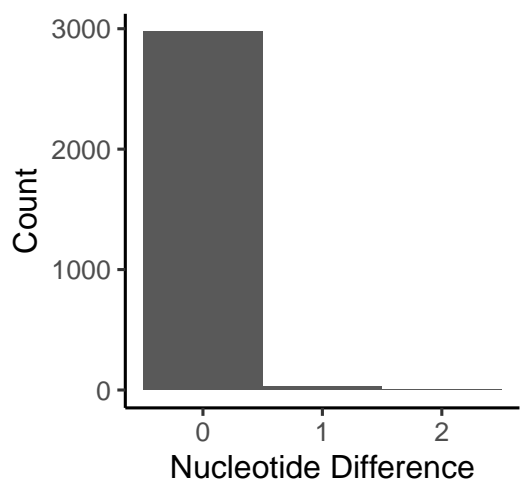
TRBV24-1*ap01

5252 sequences assigned
5185 (98.7%) exact matches, in which:
5151 unique CDR3
13 unique J



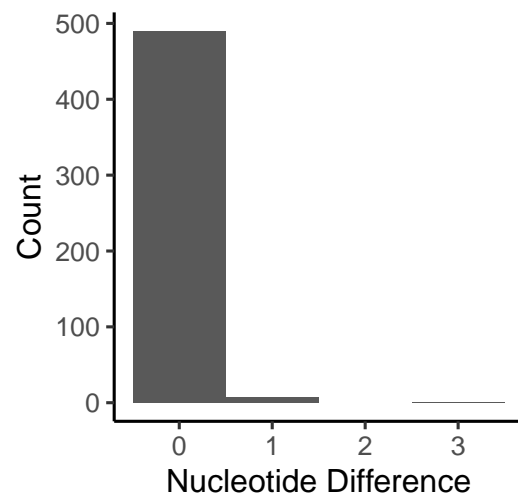
TRBV4-3*ap01

3002 sequences assigned
2975 (99.1%) exact matches, in which:
2939 unique CDR3
13 unique J



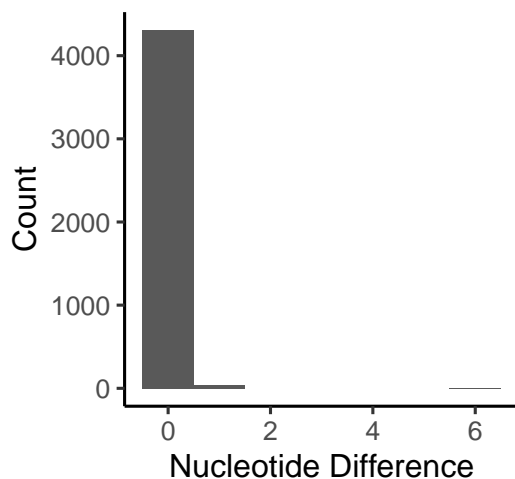
TRBV5-3*ap01

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



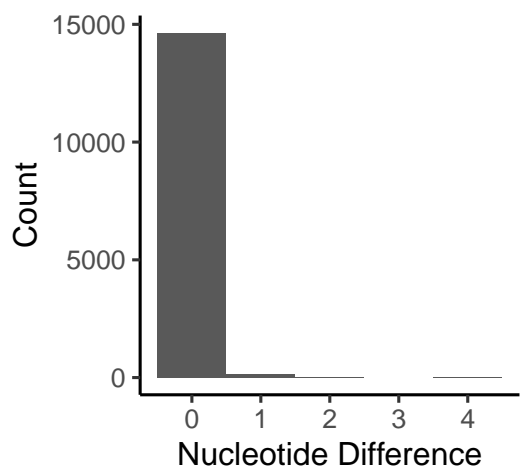
TRBV4-1*ap01

4349 sequences assigned
4308 (99.1%) exact matches, in which:
4264 unique CDR3
13 unique J



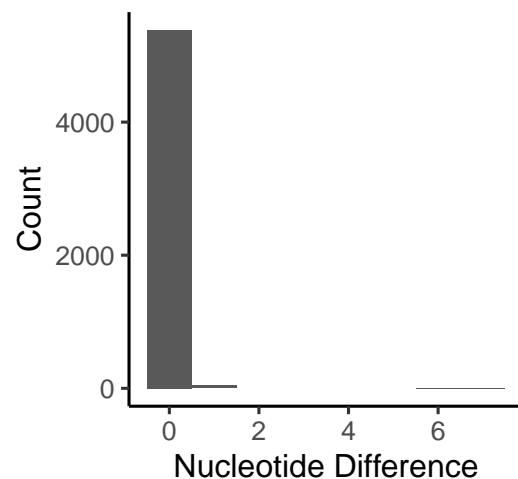
TRBV5-1*ap01

14795 sequences assigned
14641 (99%) exact matches, in which:
14448 unique CDR3
13 unique J



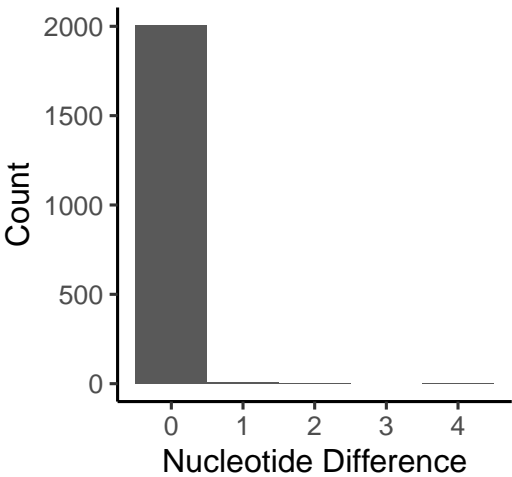
TRBV5-4*ap01

5430 sequences assigned
5383 (99.1%) exact matches, in which:
5323 unique CDR3
13 unique J



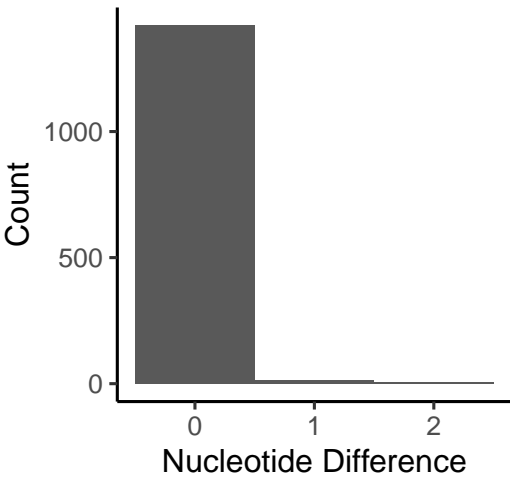
TRBV5-5*ap01

2019 sequences assigned
2005 (99.3%) exact matches, in which:
1990 unique CDR3
13 unique J



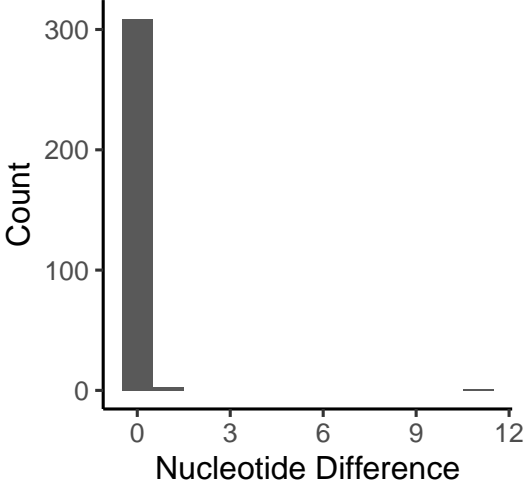
TRBV5-8*ap01

1442 sequences assigned
1421 (98.5%) exact matches, in which:
1415 unique CDR3
13 unique J



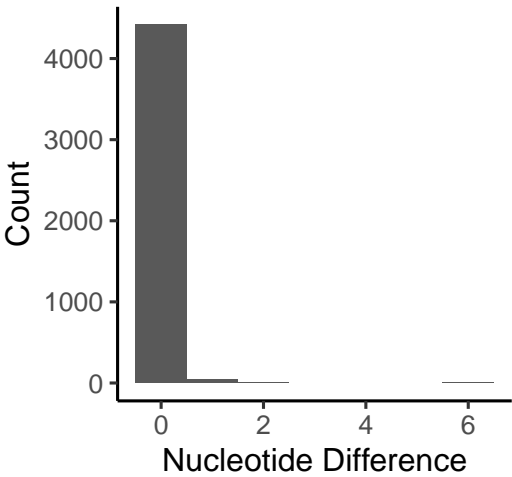
TRBV6-7*ap01

313 sequences assigned
309 (98.7%) exact matches, in which:
307 unique CDR3
13 unique J



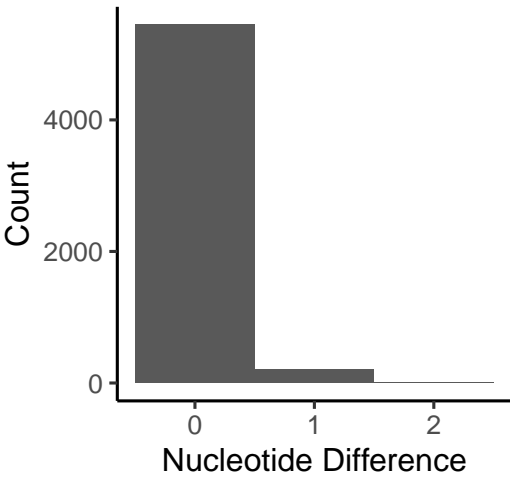
TRBV5-6*ap01

4464 sequences assigned
4417 (98.9%) exact matches, in which:
4353 unique CDR3
13 unique J



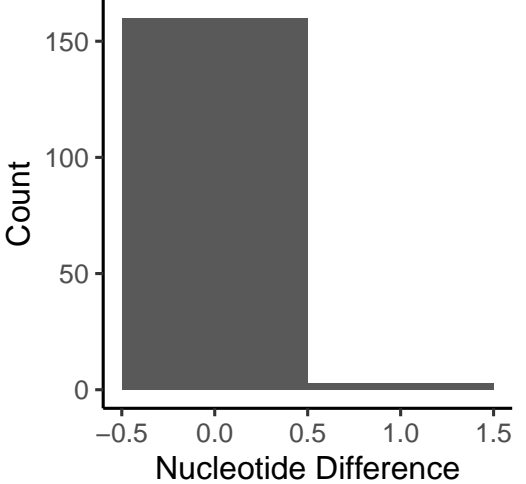
TRBV6-1*ap01

5657 sequences assigned
5447 (96.3%) exact matches, in which:
5403 unique CDR3
13 unique J



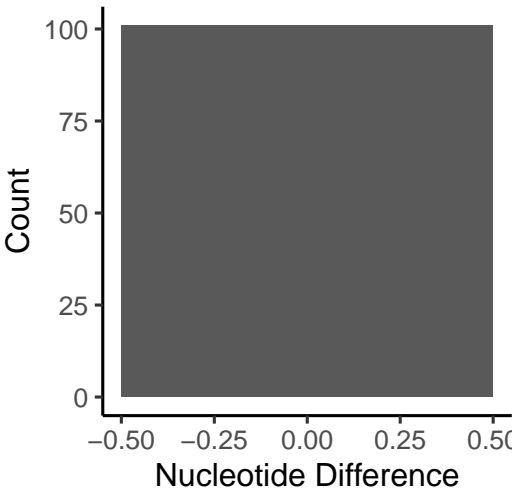
TRBV6-8*ap01

163 sequences assigned
160 (98.2%) exact matches, in which:
157 unique CDR3
13 unique J



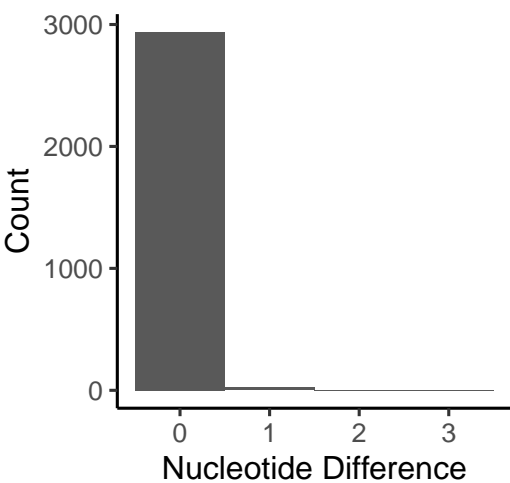
TRBV5-7*ap01

101 sequences assigned
101 (100%) exact matches, in which:
101 unique CDR3
13 unique J



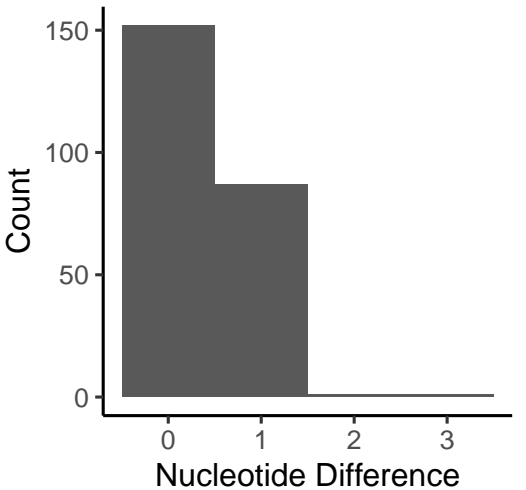
TRBV6-4*ap01

2964 sequences assigned
2938 (99.1%) exact matches, in which:
2923 unique CDR3
13 unique J



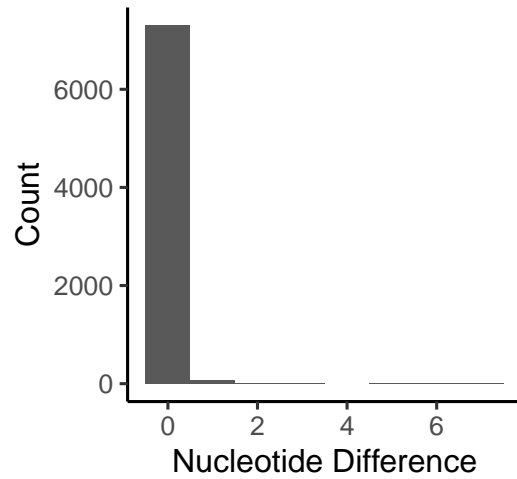
TRBV6-9*ap01

241 sequences assigned
152 (63.1%) exact matches, in which:
149 unique CDR3
13 unique J



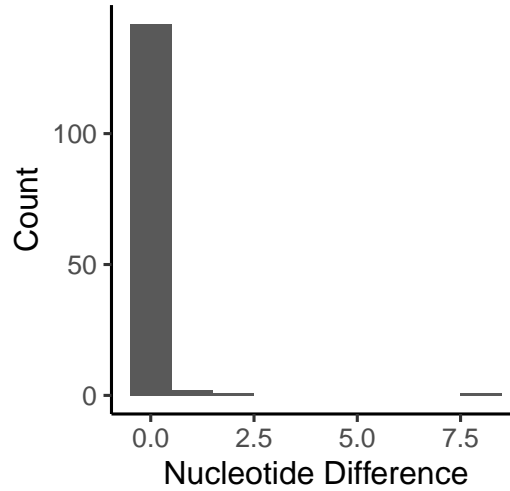
TRBV6-23*ap01

7376 sequences assigned
7302 (99%) exact matches, in which:
7207 unique CDR3
13 unique J



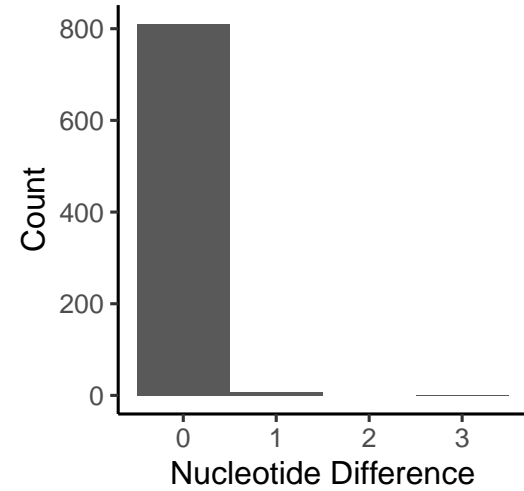
TRBV7-1*ap01_G291C_

146 sequences assigned
142 (97.3%) exact matches, in which:
140 unique CDR3
13 unique J



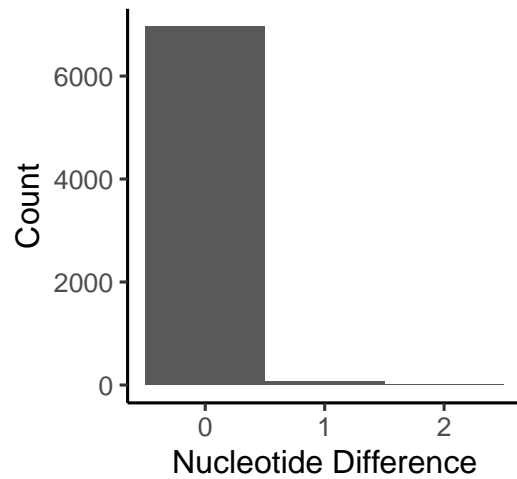
TRBV7-3*ap03

820 sequences assigned
811 (98.9%) exact matches, in which:
808 unique CDR3
13 unique J



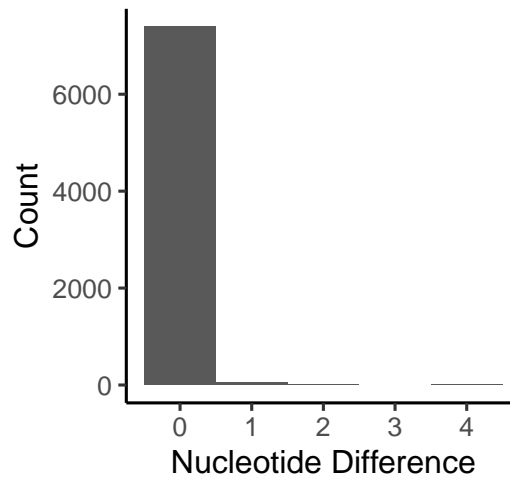
TRBV6-56*ap01

7031 sequences assigned
6958 (99%) exact matches, in which:
6880 unique CDR3
14 unique J



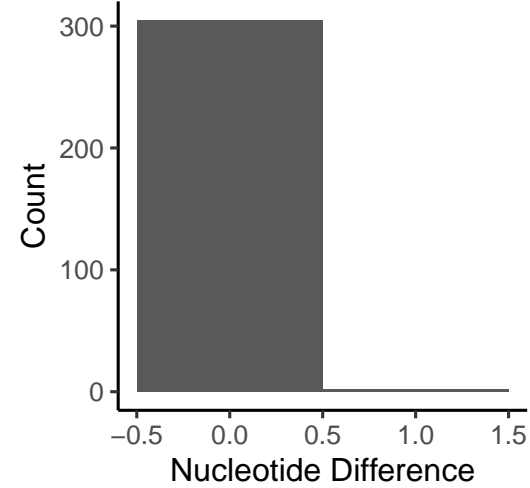
TRBV7-2*ap01

7440 sequences assigned
7393 (99.4%) exact matches, in which:
7355 unique CDR3
13 unique J



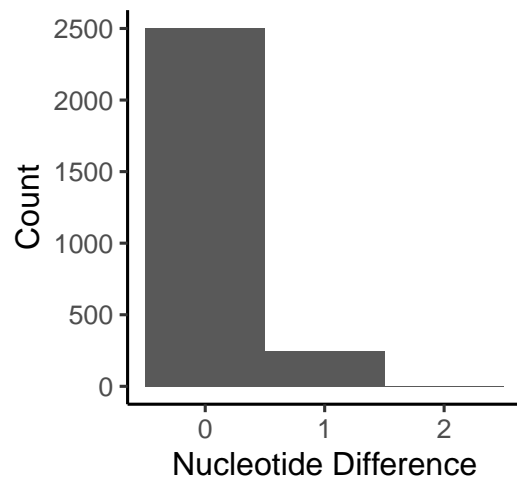
TRBV7-4*ap01

307 sequences assigned
305 (99.3%) exact matches, in which:
303 unique CDR3
13 unique J



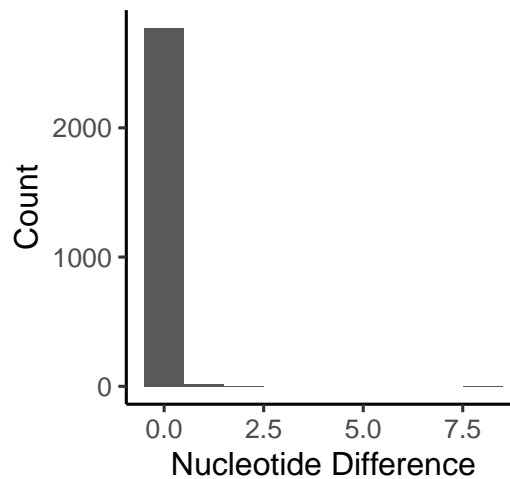
TRBV6-56*ap02

2753 sequences assigned
2503 (90.9%) exact matches, in which:
2487 unique CDR3
13 unique J



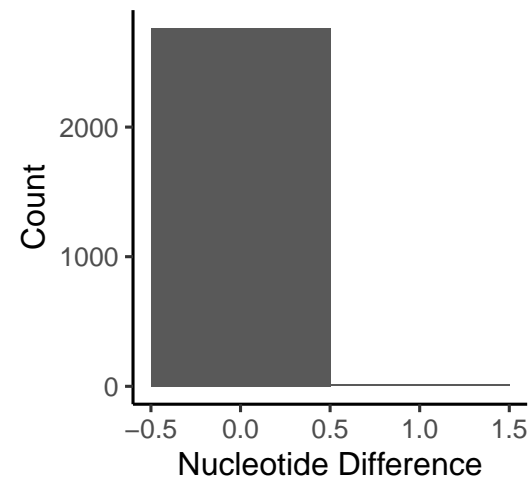
TRBV7-3*ap01

2791 sequences assigned
2772 (99.3%) exact matches, in which:
2753 unique CDR3
13 unique J



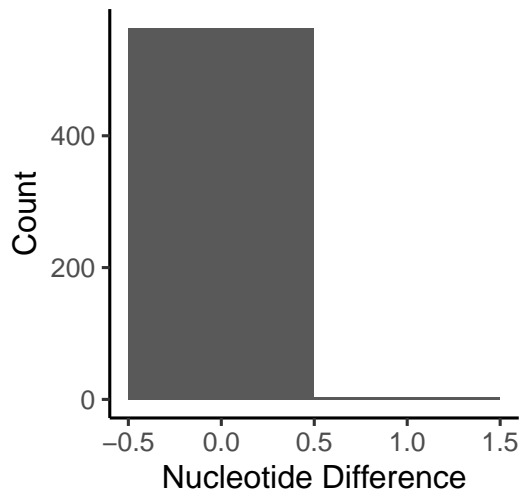
TRBV7-6*ap01

2778 sequences assigned
2764 (99.5%) exact matches, in which:
2751 unique CDR3
13 unique J



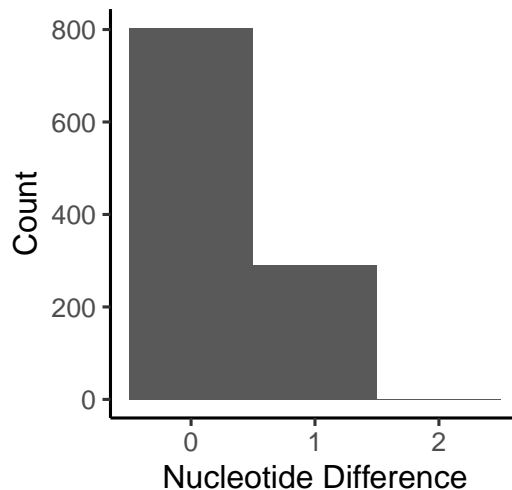
TRBV7-7*ap01

568 sequences assigned
564 (99.3%) exact matches, in which:
563 unique CDR3
13 unique J



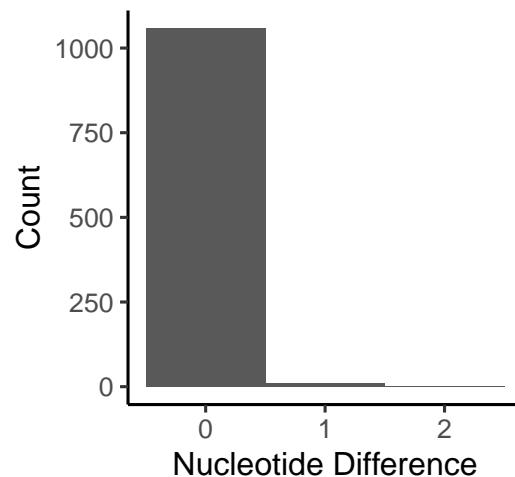
TRBV7-8*ap03

1095 sequences assigned
804 (73.4%) exact matches, in which:
790 unique CDR3
13 unique J



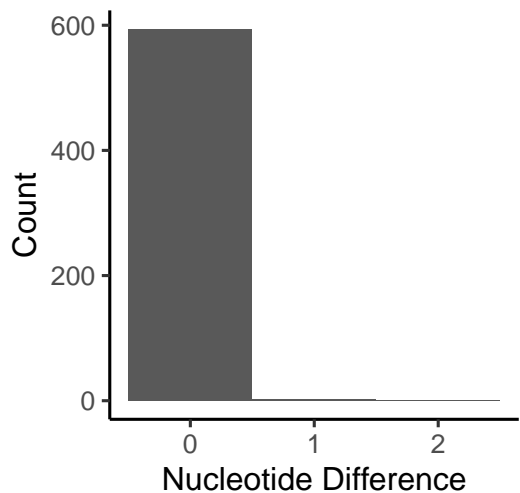
TRBV29-1*ap02

1071 sequences assigned
1058 (98.8%) exact matches, in which:
1044 unique CDR3
13 unique J



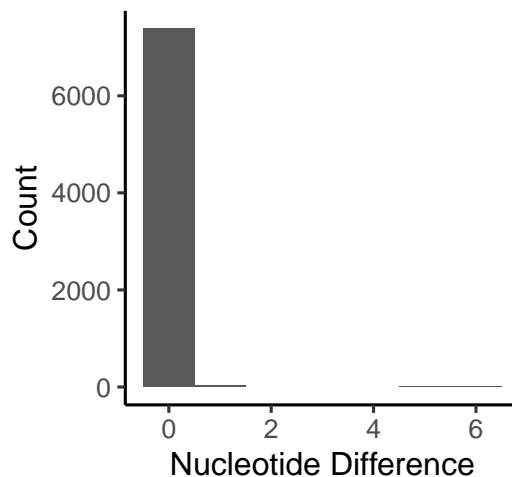
TRBV7-7*ap01_C315T

597 sequences assigned
594 (99.5%) exact matches, in which:
589 unique CDR3
13 unique J



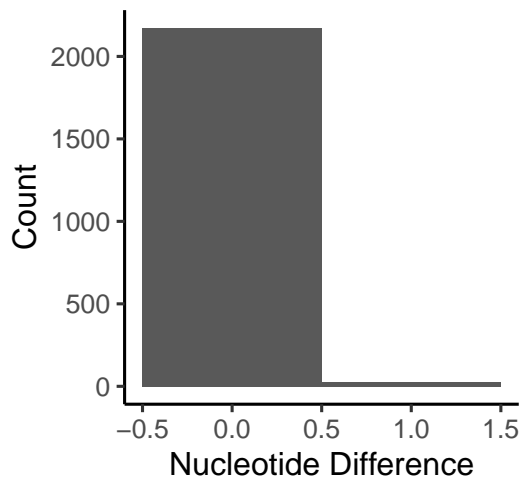
TRBV7-9*ap01

7417 sequences assigned
7382 (99.5%) exact matches, in which:
7356 unique CDR3
14 unique J



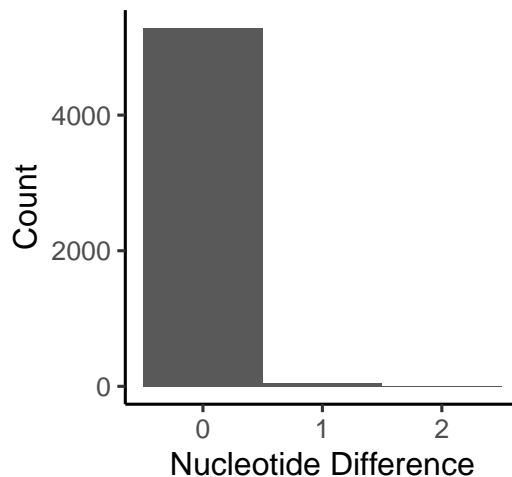
TRBV7-8*ap01

2199 sequences assigned
2172 (98.8%) exact matches, in which:
2154 unique CDR3
13 unique J

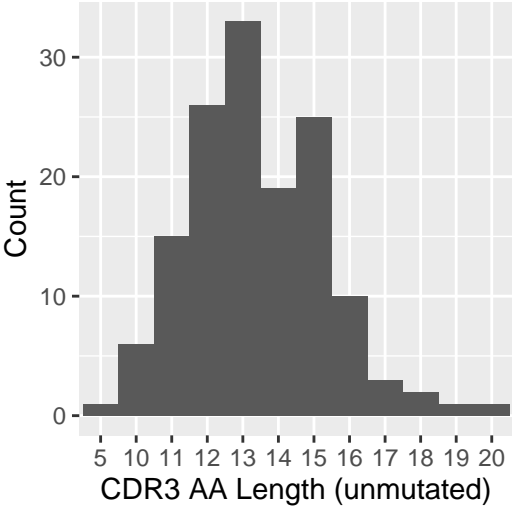


TRBV29-1*ap01

5336 sequences assigned
5284 (99%) exact matches, in which:
5225 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

