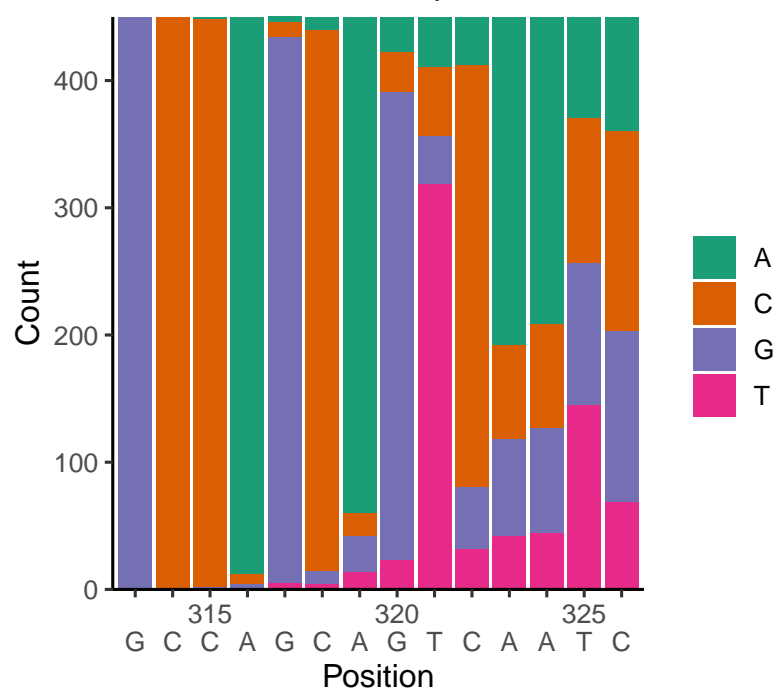
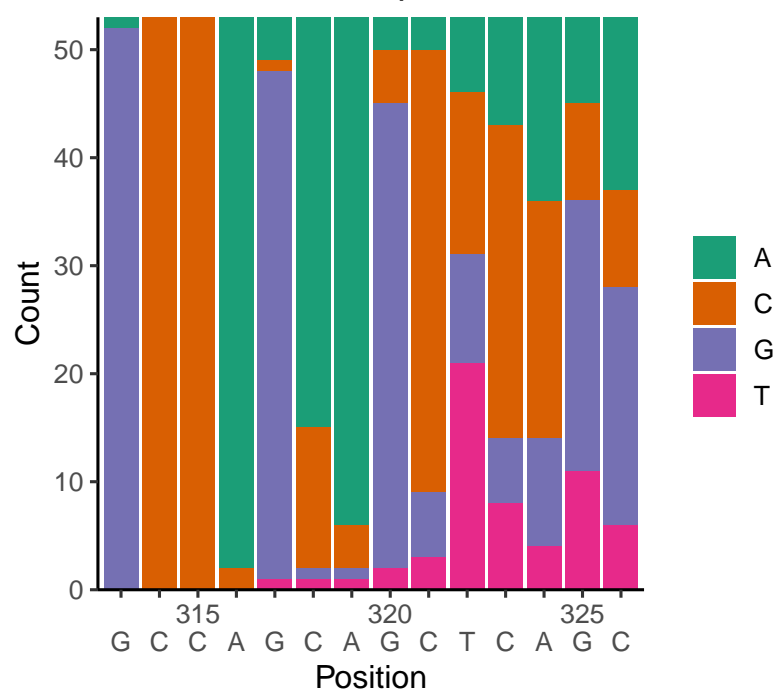


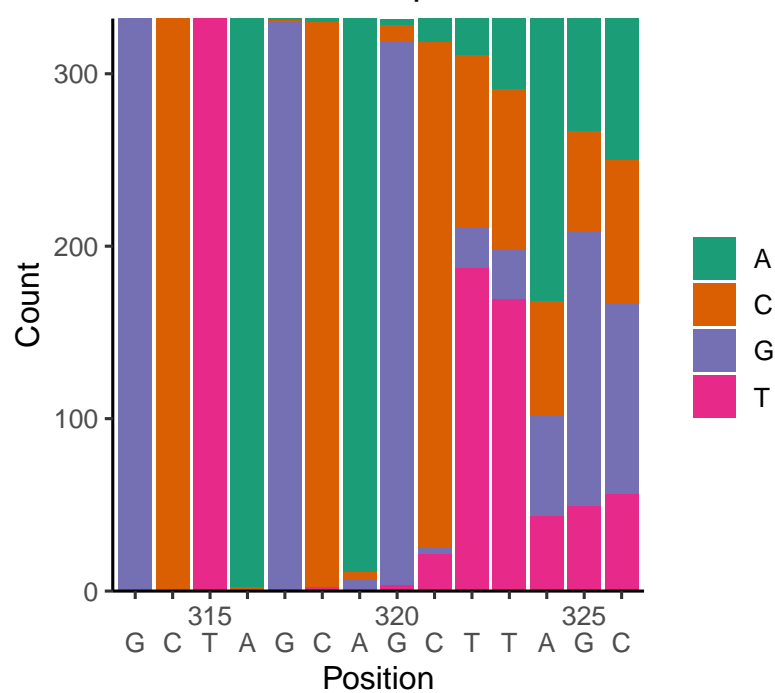
Gene TRBV23-1*ap01_T304C



Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV23-1*ap01_T304C



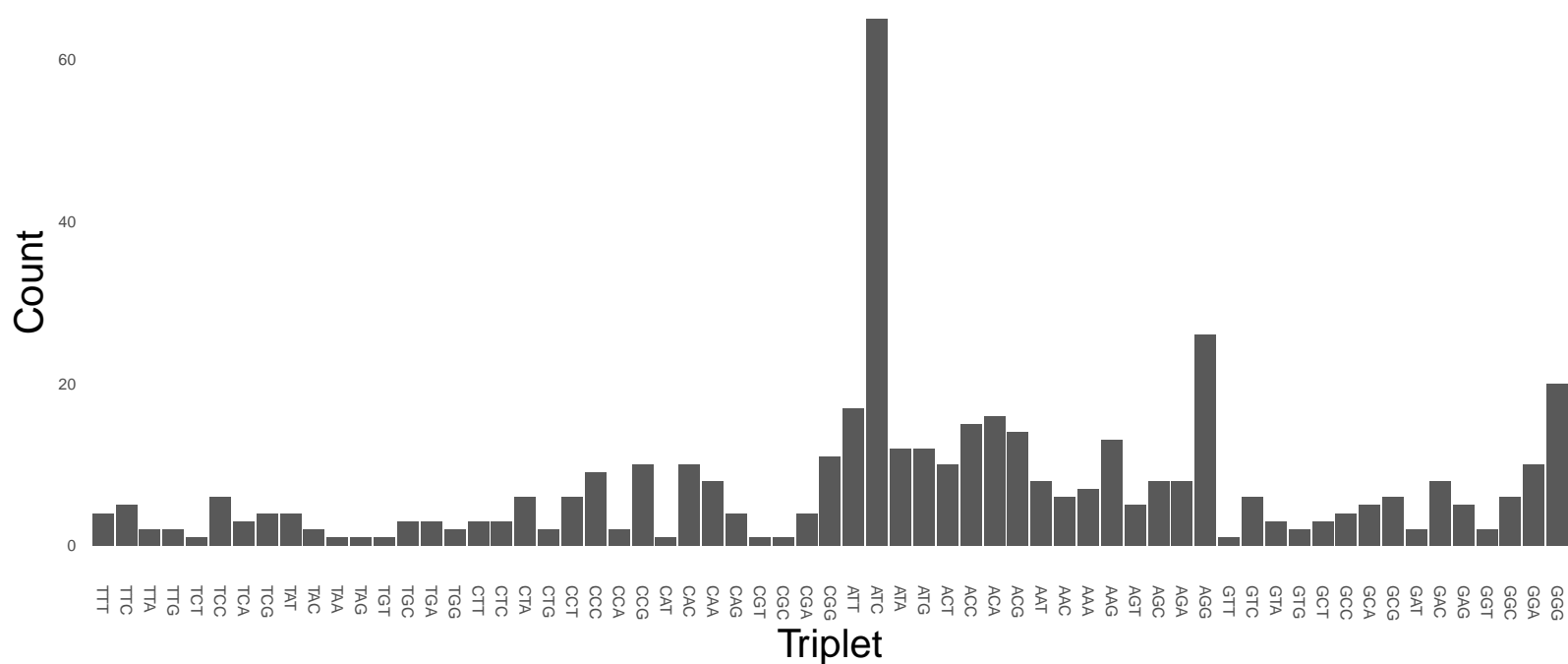
Gene TRBV7-1*ap01_T296C



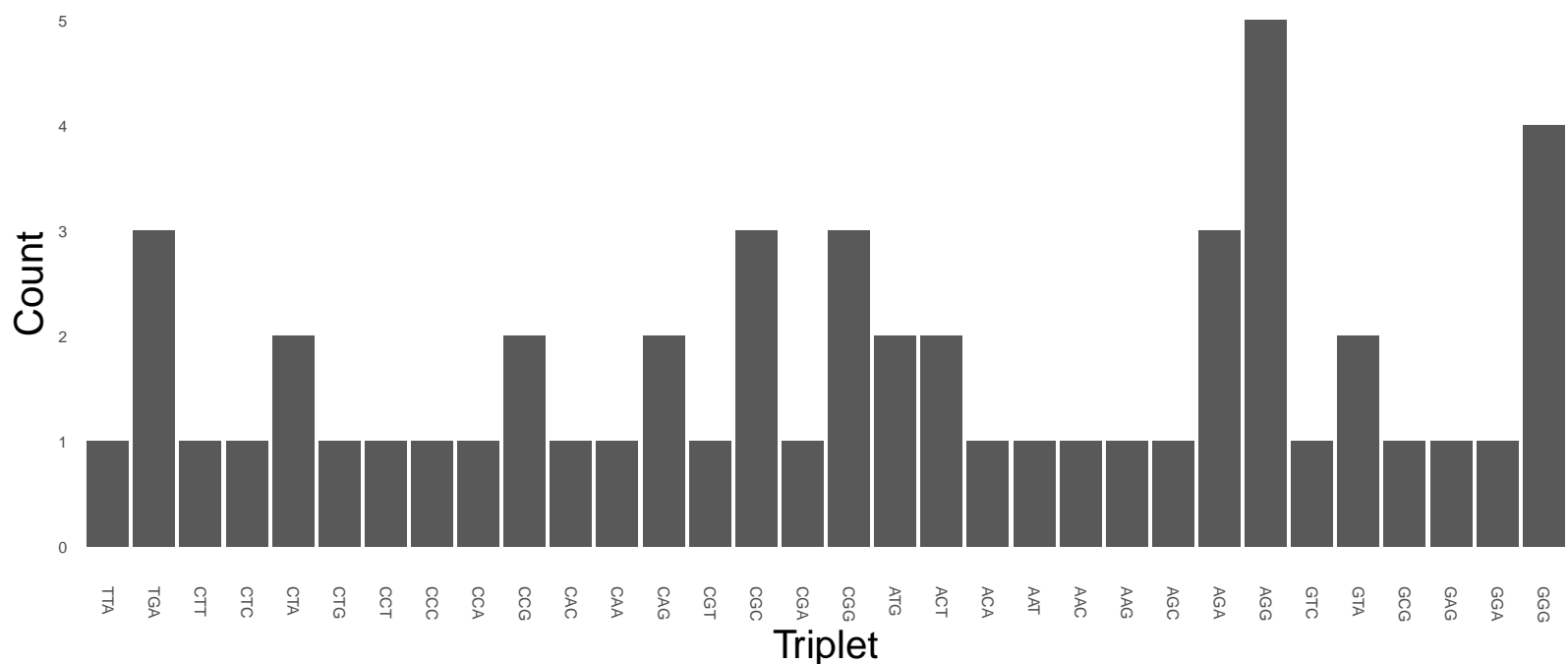
Gene TRBV7-7*ap01_C315T



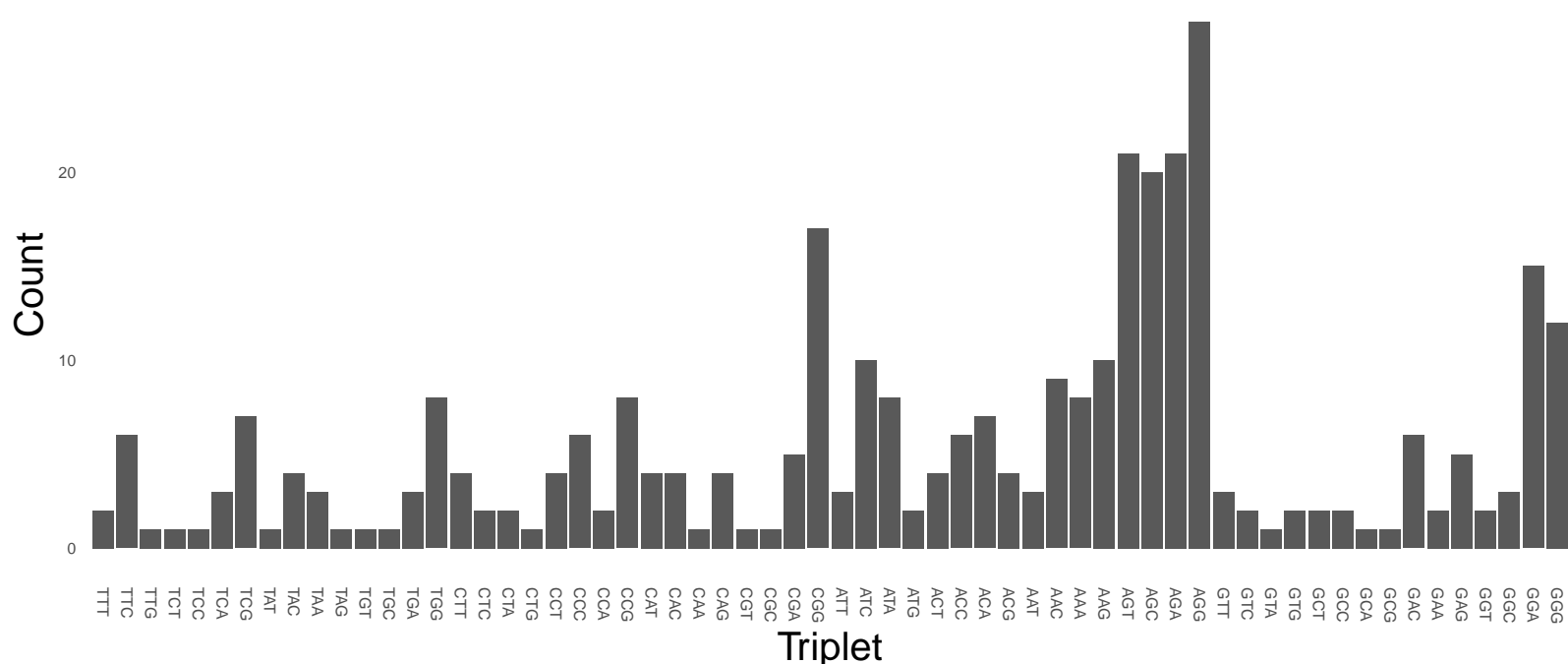
TRBV23–1*ap01_T304C– Final 3 nucleotides as a triplet



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

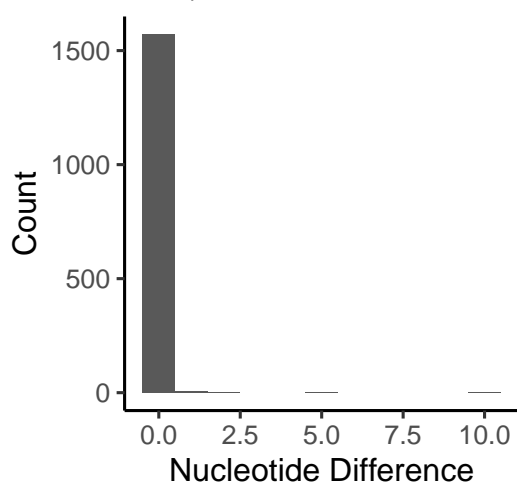


TRBV7–7*ap01_C315T– Final 3 nucleotides as a triplet



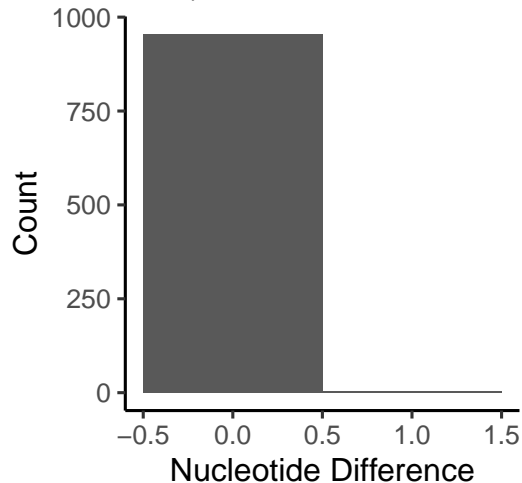
TRBV10-1*ap01

1581 sequences assigned
1571 (99.4%) exact matches, in which:
1564 unique CDR3
13 unique J



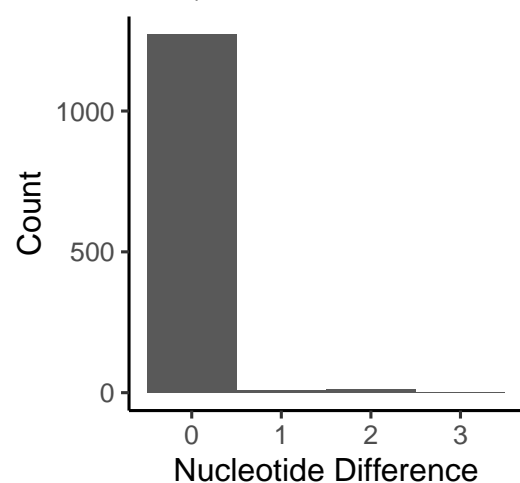
TRBV10-2*ap01

958 sequences assigned
954 (99.6%) exact matches, in which:
947 unique CDR3
13 unique J



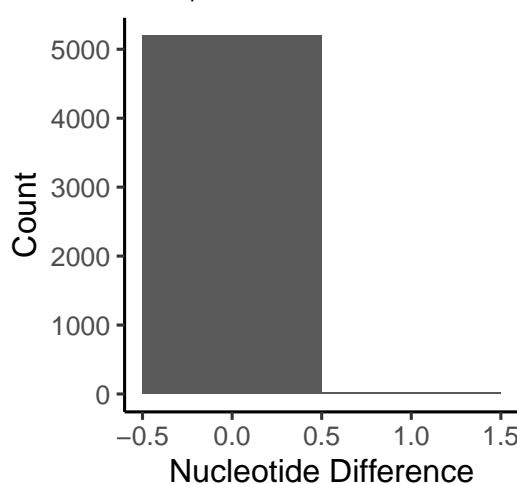
TRBV13*ap01

1296 sequences assigned
1272 (98.1%) exact matches, in which:
1262 unique CDR3
13 unique J



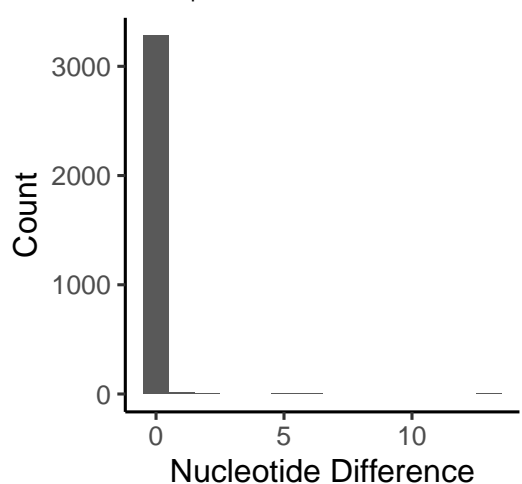
TRBV20-1*ap01

5217 sequences assigned
5196 (99.6%) exact matches, in which:
5173 unique CDR3
13 unique J



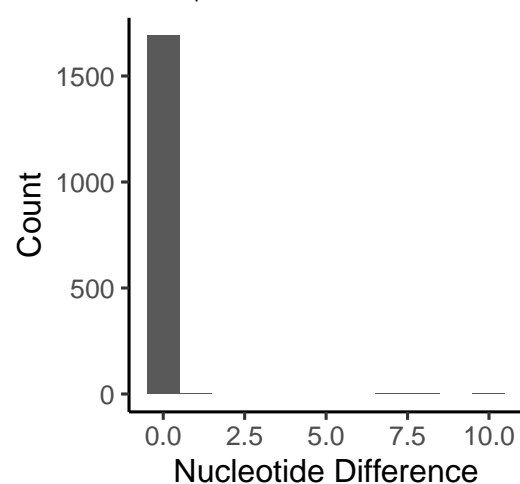
TRBV10-3*ap01

3299 sequences assigned
3280 (99.4%) exact matches, in which:
3266 unique CDR3
13 unique J



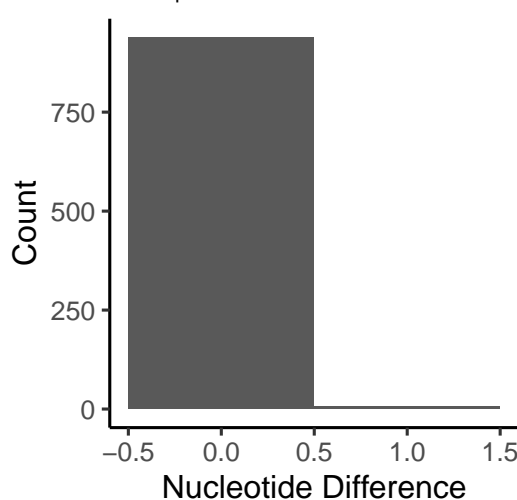
TRBV14*ap01

1696 sequences assigned
1690 (99.6%) exact matches, in which:
1679 unique CDR3
13 unique J



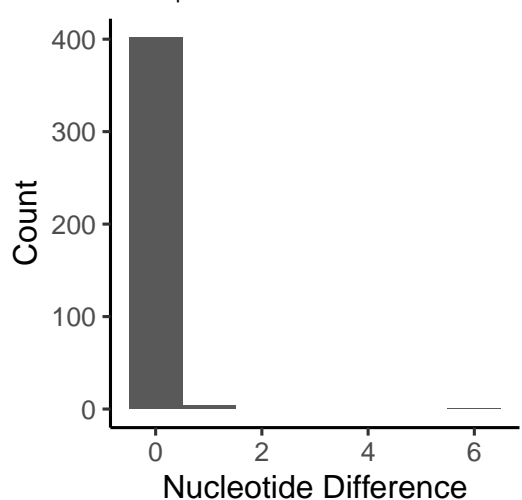
TRBV20-1*ap02

945 sequences assigned
939 (99.4%) exact matches, in which:
931 unique CDR3
13 unique J



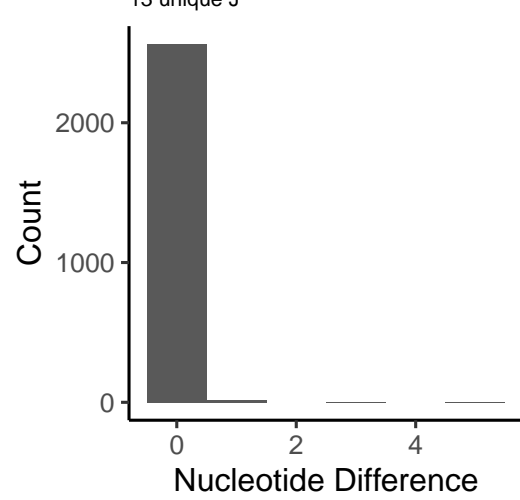
TRBV1*ap01

407 sequences assigned
402 (98.8%) exact matches, in which:
398 unique CDR3
13 unique J



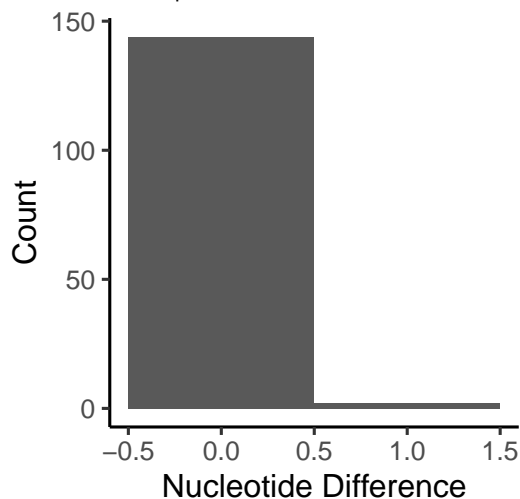
TRBV15*ap02

2583 sequences assigned
2563 (99.2%) exact matches, in which:
2554 unique CDR3
13 unique J



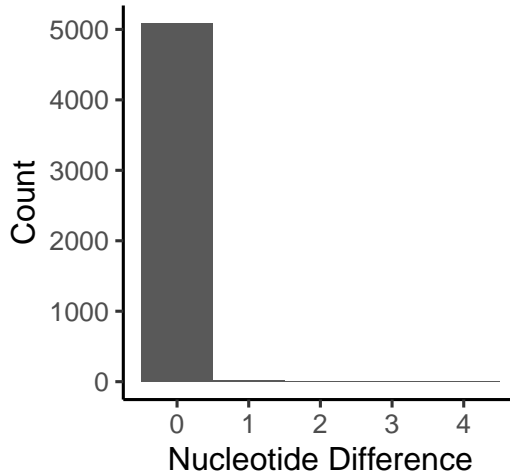
TRBV16*ap01

146 sequences assigned
144 (98.6%) exact matches, in which:
144 unique CDR3
12 unique J



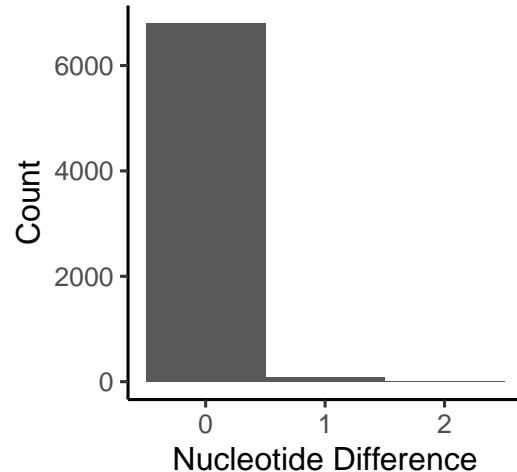
TRBV2*ap01

5119 sequences assigned
5085 (99.3%) exact matches, in which:
5060 unique CDR3
13 unique J



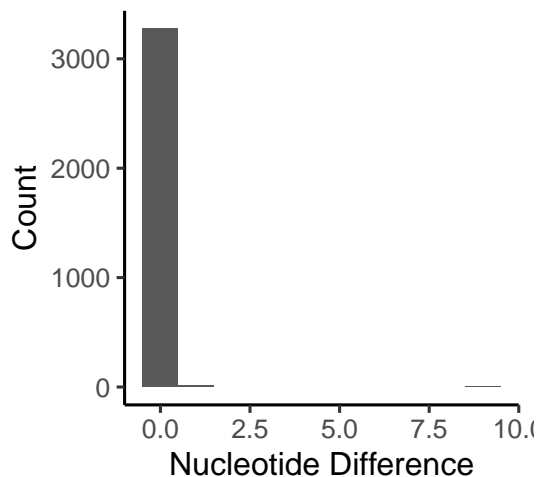
TRBV30*ap01

6889 sequences assigned
6799 (98.7%) exact matches, in which:
6710 unique CDR3
13 unique J



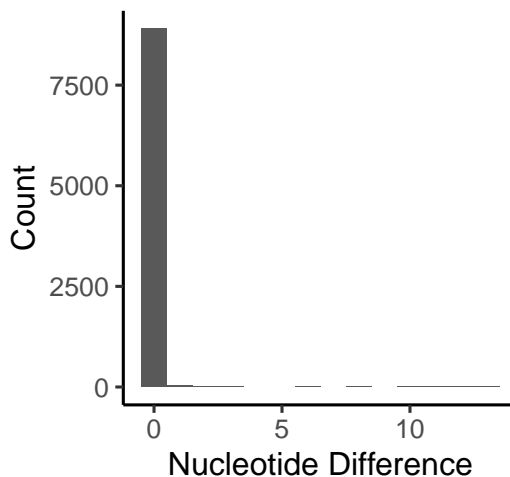
TRBV18*ap01

3289 sequences assigned
3275 (99.6%) exact matches, in which:
3268 unique CDR3
13 unique J



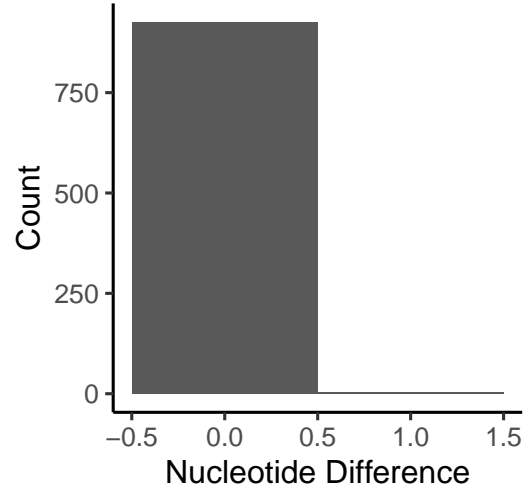
TRBV27*ap01

8944 sequences assigned
8901 (99.5%) exact matches, in which:
8865 unique CDR3
13 unique J



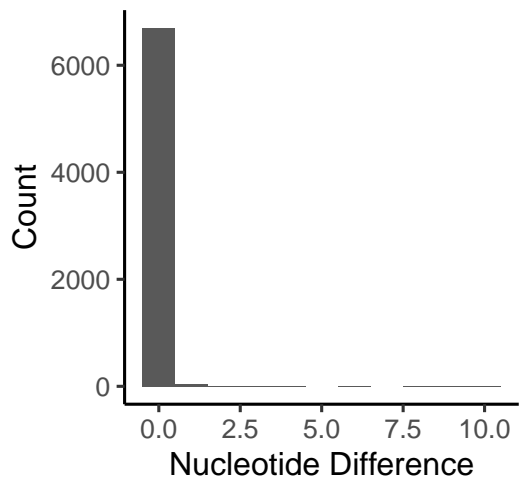
TRBV30*ap03

930 sequences assigned
926 (99.6%) exact matches, in which:
917 unique CDR3
13 unique J



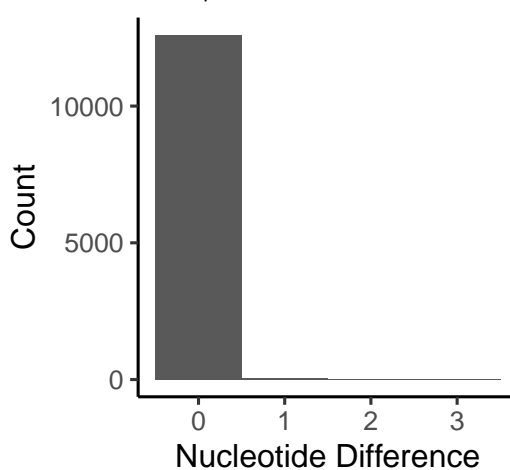
TRBV19*ap01

6745 sequences assigned
6696 (99.3%) exact matches, in which:
6676 unique CDR3
13 unique J



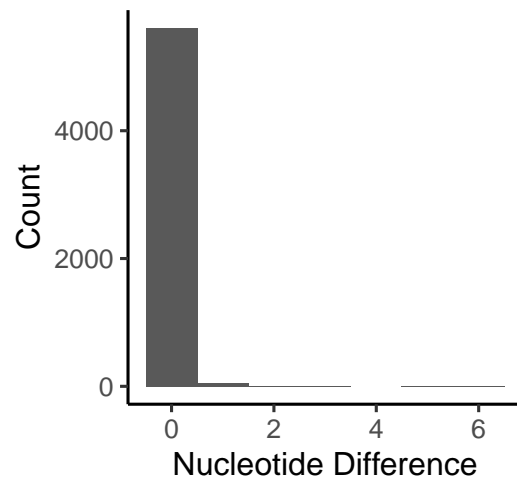
TRBV28*ap01

12671 sequences assigned
12607 (99.5%) exact matches, in which:
12567 unique CDR3
13 unique J



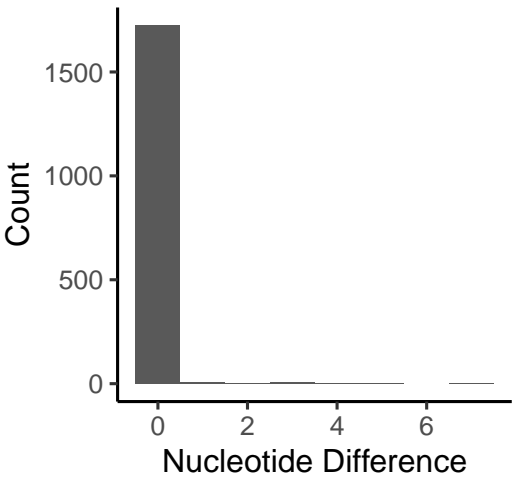
TRBV9*ap01

5667 sequences assigned
5607 (98.9%) exact matches, in which:
5590 unique CDR3
13 unique J



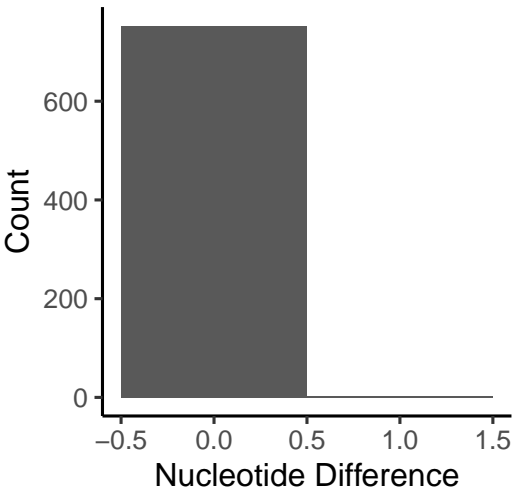
TRBV21-1*ap01

1747 sequences assigned
1724 (98.7%) exact matches, in which:
1722 unique CDR3
13 unique J



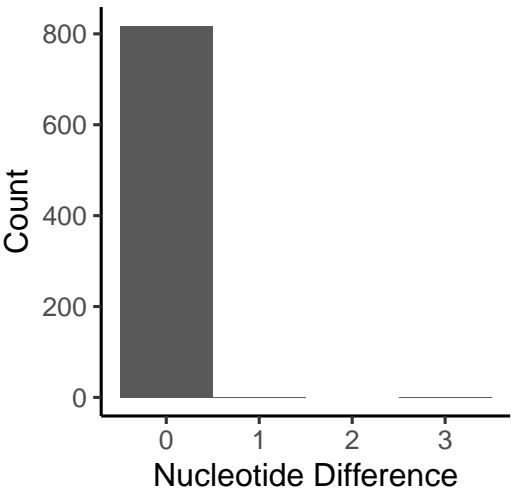
TRBV11-3*ap01

756 sequences assigned
753 (99.6%) exact matches, in which:
752 unique CDR3
13 unique J



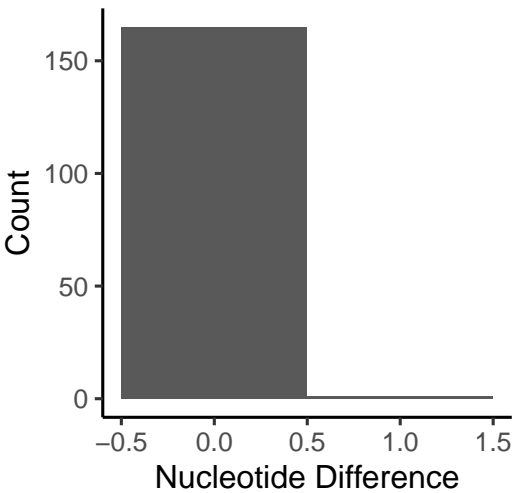
TRBV12-5*ap01

820 sequences assigned
818 (99.8%) exact matches, in which:
817 unique CDR3
13 unique J



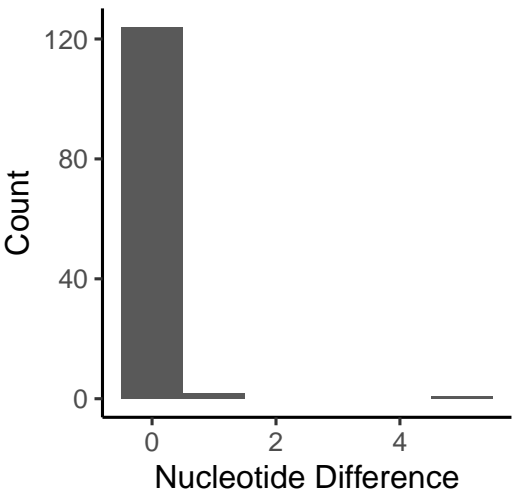
TRBV11-1*ap01

166 sequences assigned
165 (99.4%) exact matches, in which:
165 unique CDR3
12 unique J



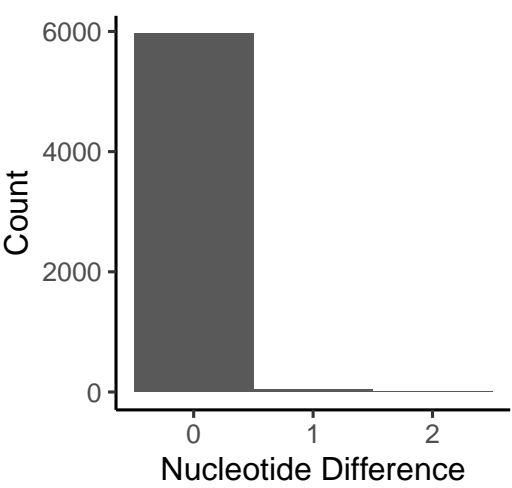
TRBV12-1*ap01

127 sequences assigned
124 (97.6%) exact matches, in which:
124 unique CDR3
12 unique J



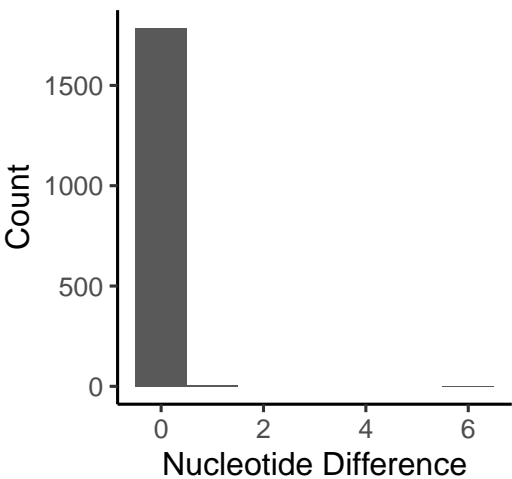
TRBV12-34*ap01

5999 sequences assigned
5962 (99.4%) exact matches, in which:
5931 unique CDR3
13 unique J



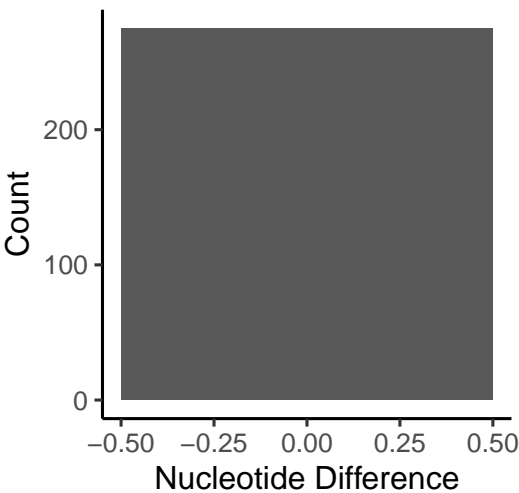
TRBV11-2*ap01

1792 sequences assigned
1786 (99.7%) exact matches, in which:
1779 unique CDR3
13 unique J



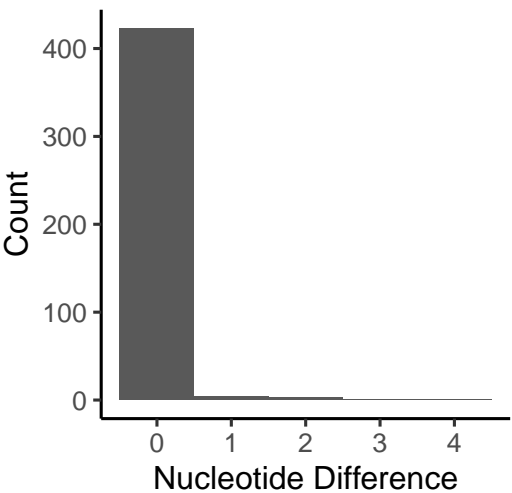
TRBV12-2*ap01

275 sequences assigned
275 (100%) exact matches, in which:
272 unique CDR3
12 unique J



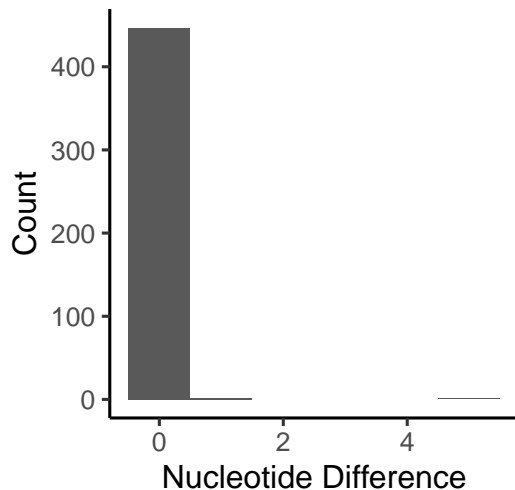
TRBV23-1*ap01

432 sequences assigned
423 (97.9%) exact matches, in which:
422 unique CDR3
12 unique J



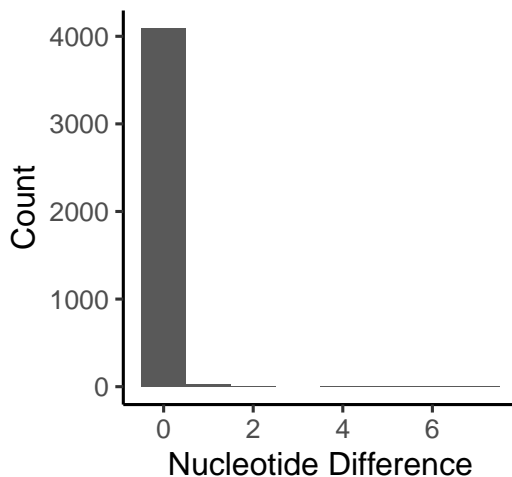
TRBV23-1*ap01_T304C

450 sequences assigned
447 (99.3%) exact matches, in which:
447 unique CDR3
13 unique J



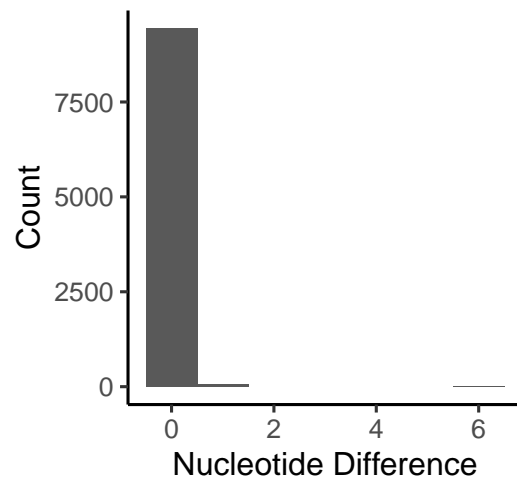
TRBV24-1*ap01

4131 sequences assigned
4090 (99%) exact matches, in which:
4051 unique CDR3
13 unique J



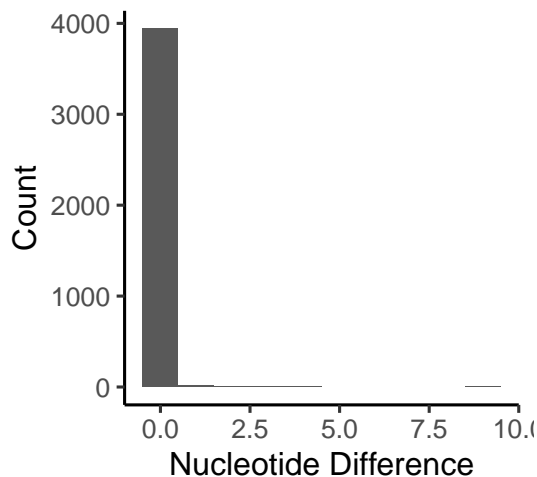
TRBV5-1*ap01

9517 sequences assigned
9438 (99.2%) exact matches, in which:
9378 unique CDR3
13 unique J



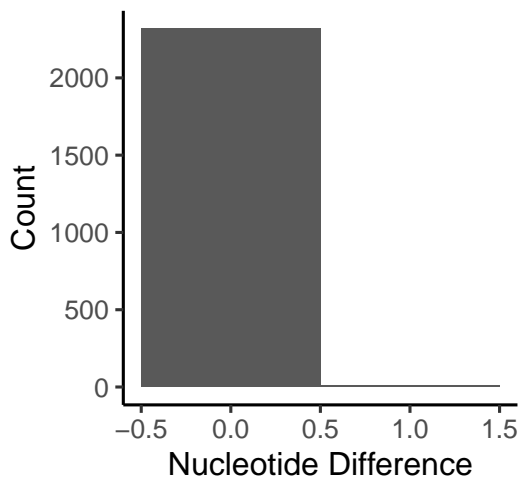
TRBV3-12*ap01

3963 sequences assigned
3941 (99.4%) exact matches, in which:
3929 unique CDR3
13 unique J



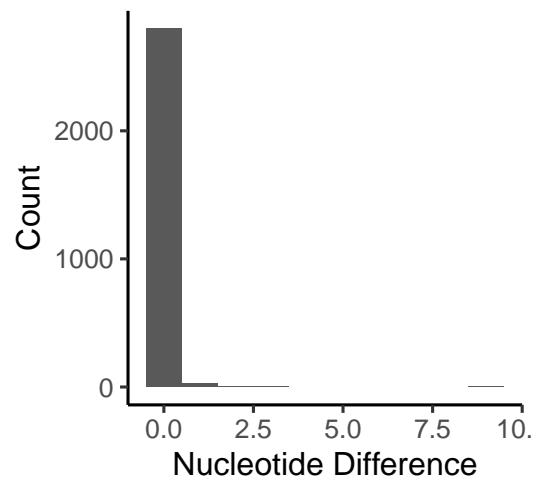
TRBV4-2*ap01

2330 sequences assigned
2318 (99.5%) exact matches, in which:
2302 unique CDR3
13 unique J



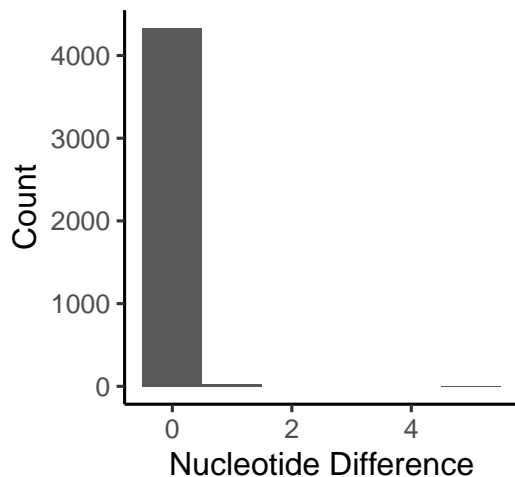
TRBV25-1*ap01

2831 sequences assigned
2797 (98.8%) exact matches, in which:
2765 unique CDR3
13 unique J



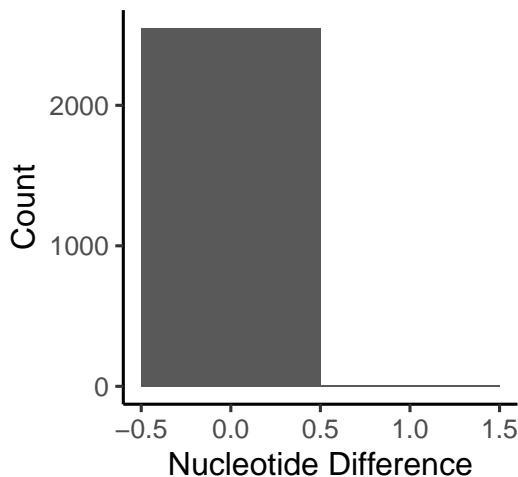
TRBV4-1*ap01

4360 sequences assigned
4332 (99.4%) exact matches, in which:
4304 unique CDR3
13 unique J



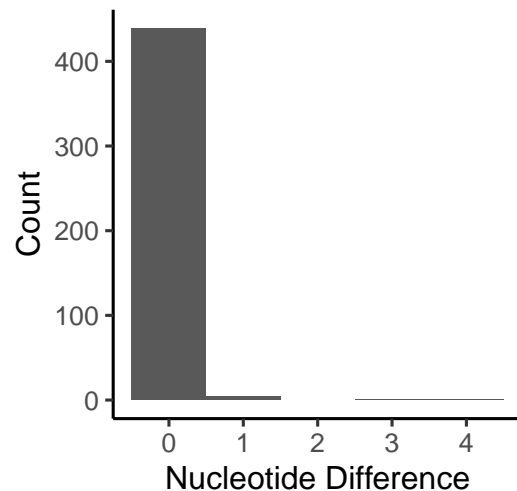
TRBV4-3*ap01

2558 sequences assigned
2550 (99.7%) exact matches, in which:
2531 unique CDR3
13 unique J



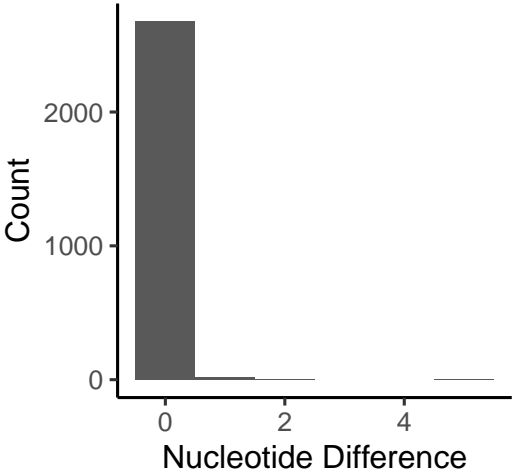
TRBV5-3*ap01

445 sequences assigned
439 (98.7%) exact matches, in which:
439 unique CDR3
13 unique J



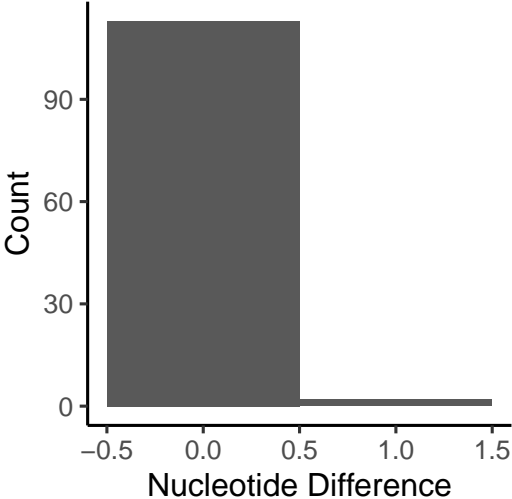
TRBV5-4*ap01

2697 sequences assigned
2677 (99.3%) exact matches, in which:
2655 unique CDR3
13 unique J



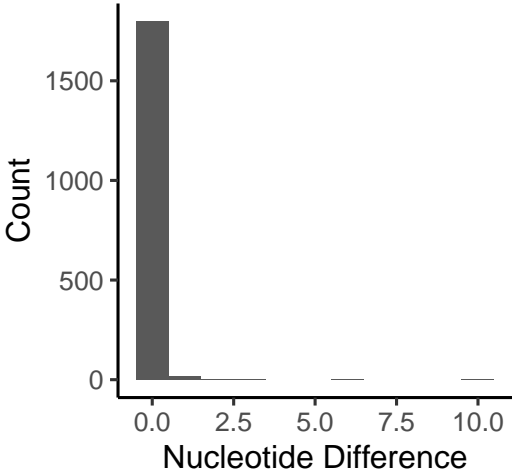
TRBV5-7*ap01

115 sequences assigned
113 (98.3%) exact matches, in which:
112 unique CDR3
12 unique J



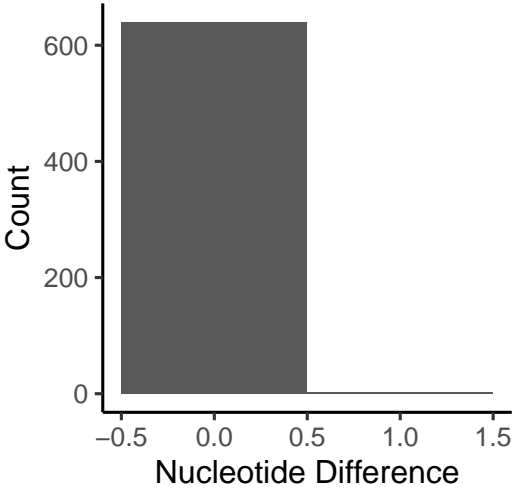
TRBV6-4*ap01

1819 sequences assigned
1798 (98.8%) exact matches, in which:
1793 unique CDR3
13 unique J



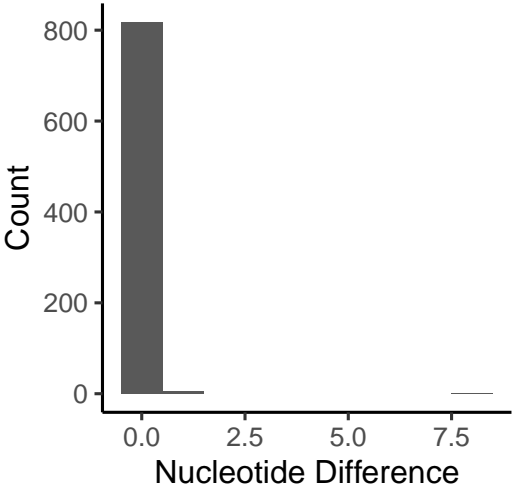
TRBV5-5*ap01

642 sequences assigned
640 (99.7%) exact matches, in which:
638 unique CDR3
13 unique J



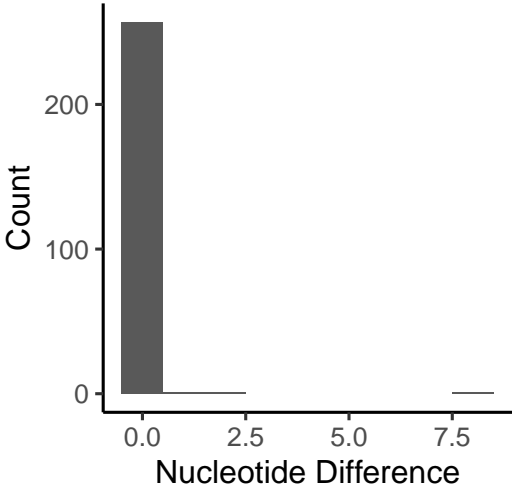
TRBV5-8*ap01

826 sequences assigned
818 (99%) exact matches, in which:
812 unique CDR3
13 unique J



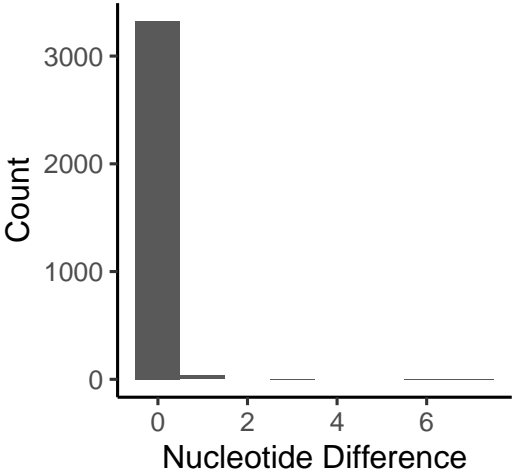
TRBV6-7*ap01

260 sequences assigned
257 (98.8%) exact matches, in which:
256 unique CDR3
13 unique J



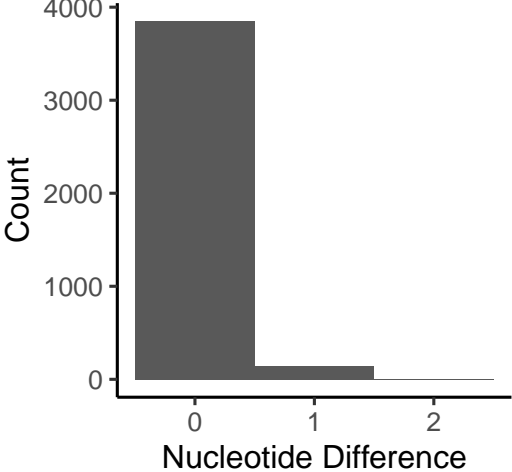
TRBV5-6*ap01

3362 sequences assigned
3325 (98.9%) exact matches, in which:
3290 unique CDR3
13 unique J



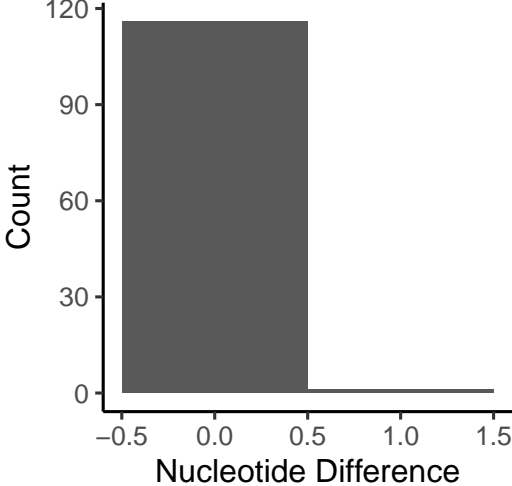
TRBV6-1*ap01

3999 sequences assigned
3851 (96.3%) exact matches, in which:
3818 unique CDR3
13 unique J



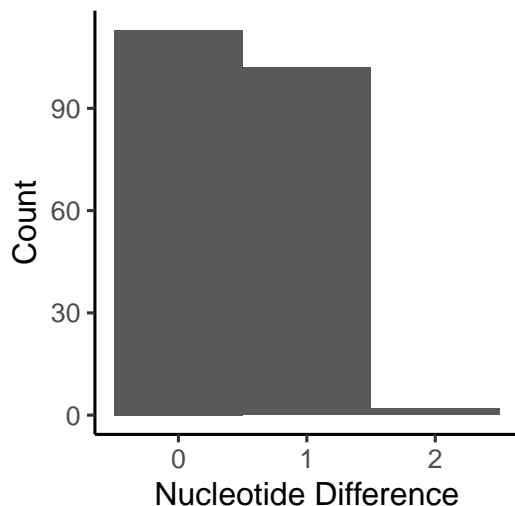
TRBV6-8*ap01

117 sequences assigned
116 (99.1%) exact matches, in which:
115 unique CDR3
12 unique J



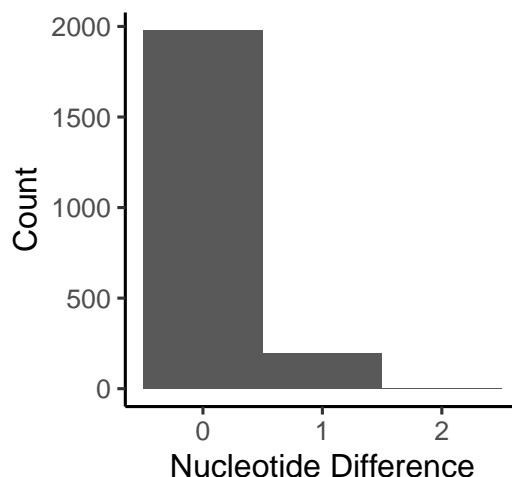
TRBV6-9*ap01

217 sequences assigned
113 (52.1%) exact matches, in which:
111 unique CDR3
11 unique J



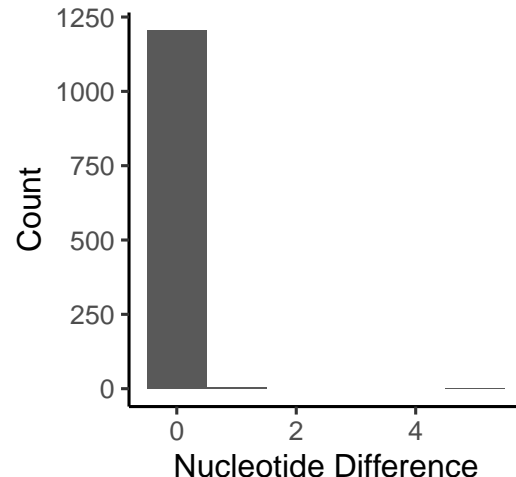
TRBV6-56*ap02

2173 sequences assigned
1978 (91%) exact matches, in which:
1960 unique CDR3
13 unique J



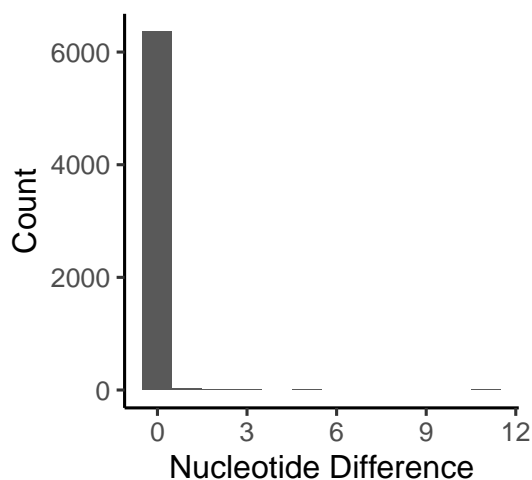
TRBV7-3*ap01

1210 sequences assigned
1205 (99.6%) exact matches, in which:
1201 unique CDR3
13 unique J



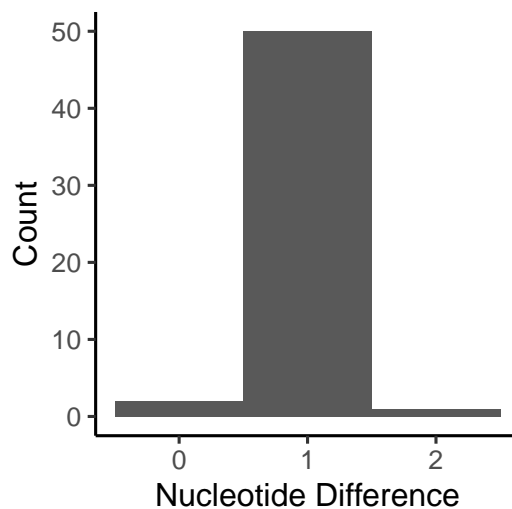
TRBV6-23*ap01

6395 sequences assigned
6361 (99.5%) exact matches, in which:
6287 unique CDR3
14 unique J



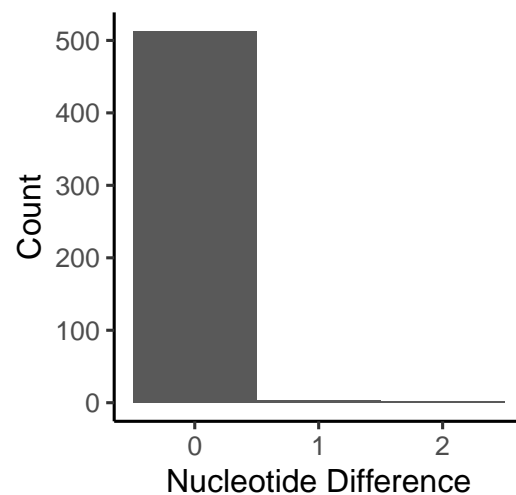
TRBV7-1*ap01_T296C

53 sequences assigned
2 (3.8%) exact matches, in which:
2 unique CDR3
2 unique J



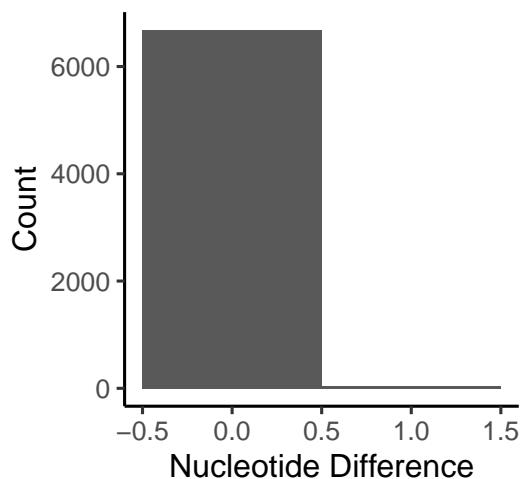
TRBV7-3*ap02

518 sequences assigned
513 (99%) exact matches, in which:
511 unique CDR3
13 unique J



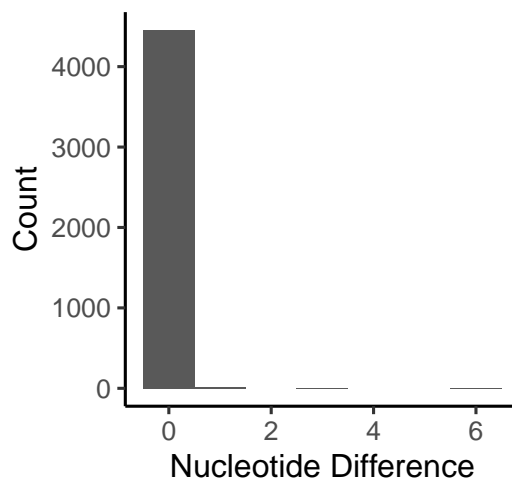
TRBV6-56*ap01

6720 sequences assigned
6680 (99.4%) exact matches, in which:
6605 unique CDR3
13 unique J



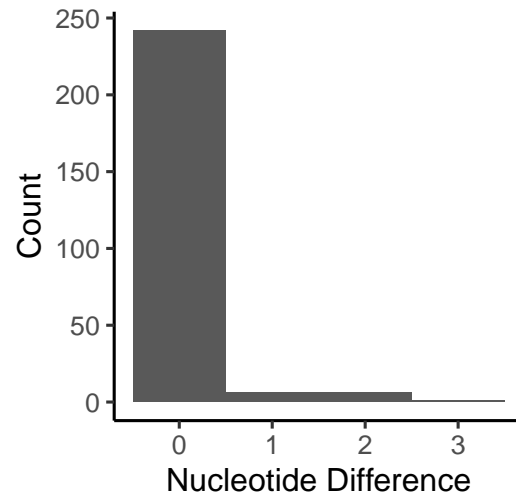
TRBV7-2*ap01

4474 sequences assigned
4455 (99.6%) exact matches, in which:
4444 unique CDR3
13 unique J



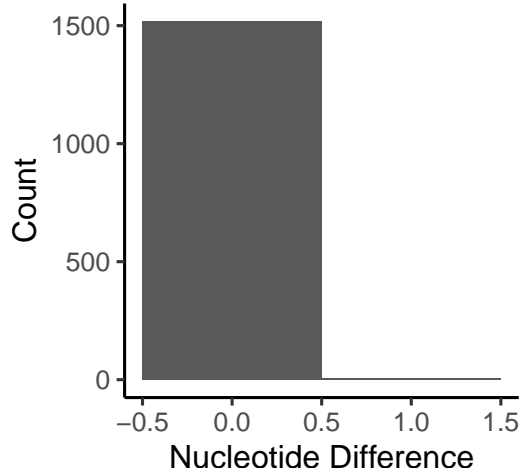
TRBV7-4*ap01

255 sequences assigned
242 (94.9%) exact matches, in which:
241 unique CDR3
12 unique J



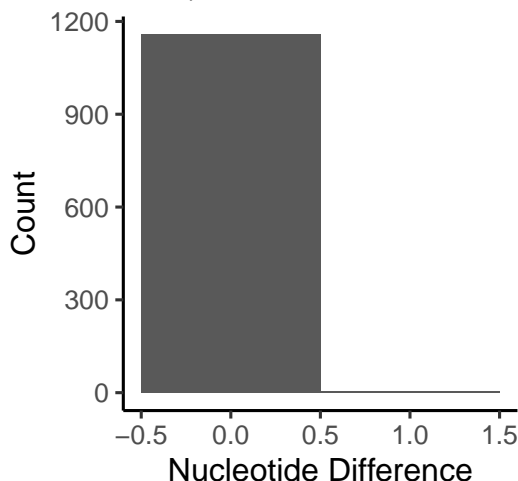
TRBV7-6*ap01

1523 sequences assigned
1518 (99.7%) exact matches, in which:
1509 unique CDR3
13 unique J



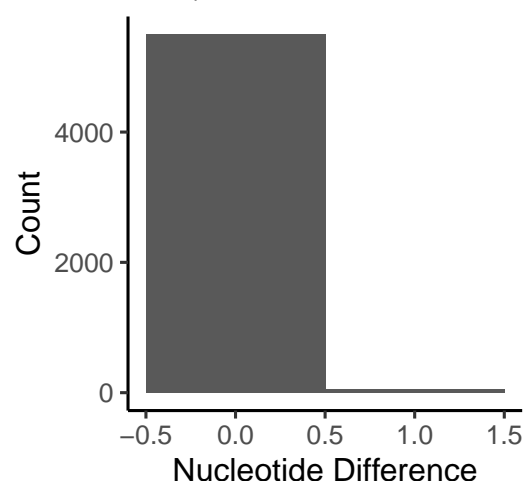
TRBV7-8*ap01

1162 sequences assigned
1158 (99.7%) exact matches, in which:
1157 unique CDR3
13 unique J



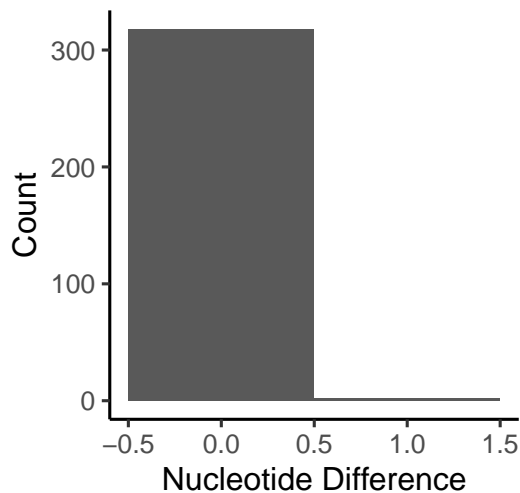
TRBV29-1*ap01

5550 sequences assigned
5499 (99.1%) exact matches, in which:
5421 unique CDR3
13 unique J



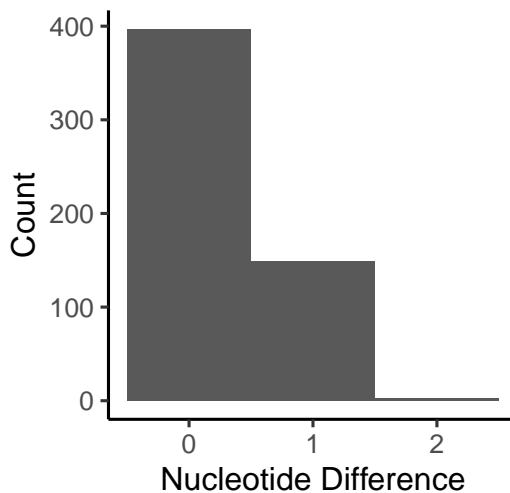
TRBV7-7*ap01

320 sequences assigned
318 (99.4%) exact matches, in which:
315 unique CDR3
12 unique J



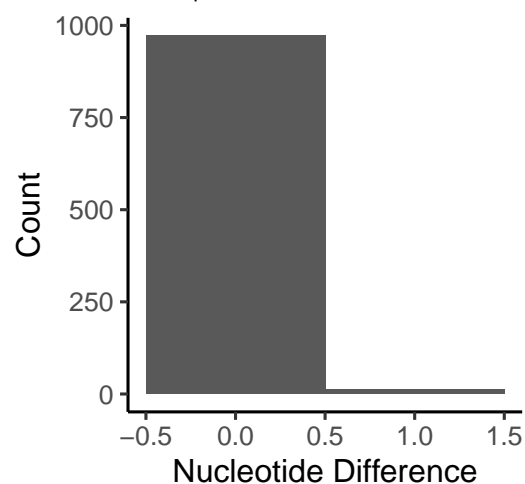
TRBV7-8*ap03

549 sequences assigned
397 (72.3%) exact matches, in which:
396 unique CDR3
13 unique J



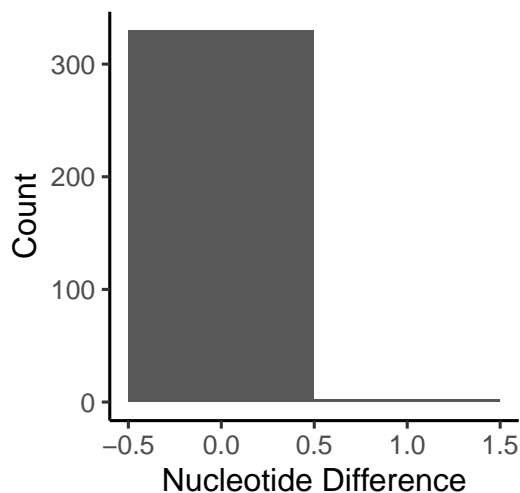
TRBV29-1*ap02

985 sequences assigned
972 (98.7%) exact matches, in which:
957 unique CDR3
13 unique J



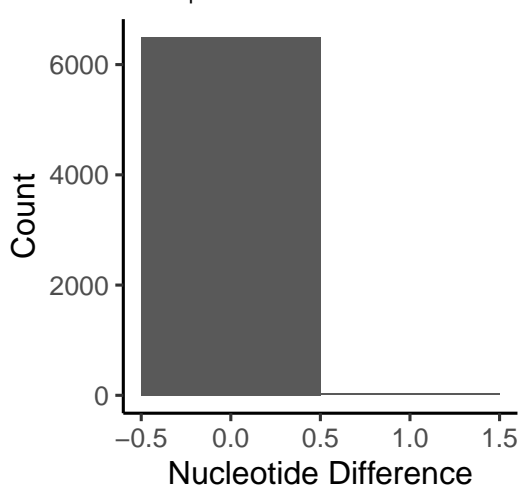
TRBV7-7*ap01_C315T

332 sequences assigned
330 (99.4%) exact matches, in which:
328 unique CDR3
13 unique J

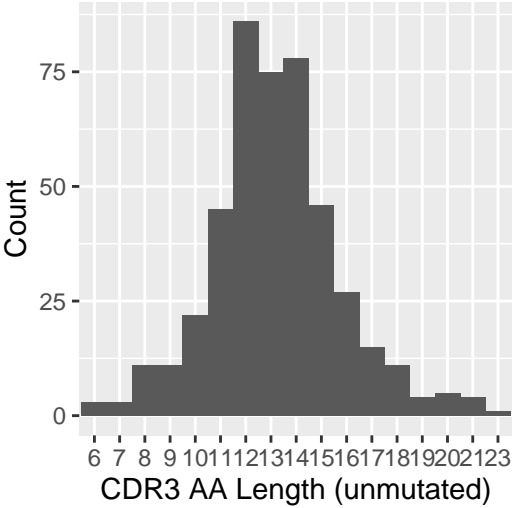


TRBV7-9*ap01

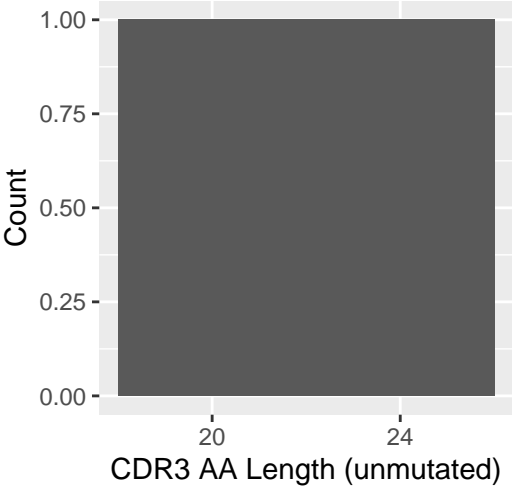
6530 sequences assigned
6500 (99.5%) exact matches, in which:
6463 unique CDR3
13 unique J



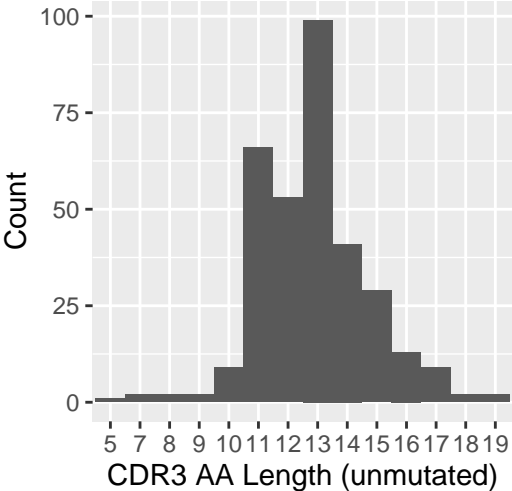
TRBV23-1*ap01_T304C



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.