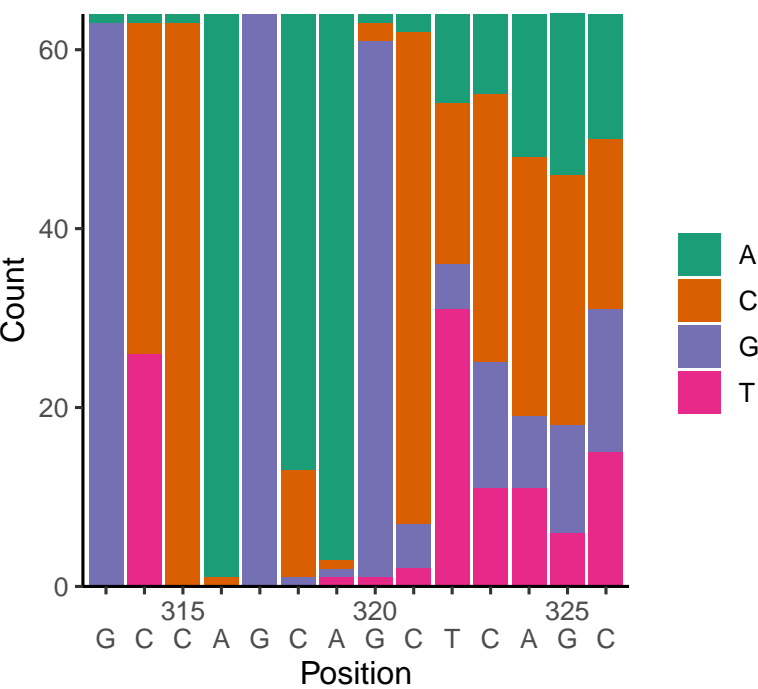
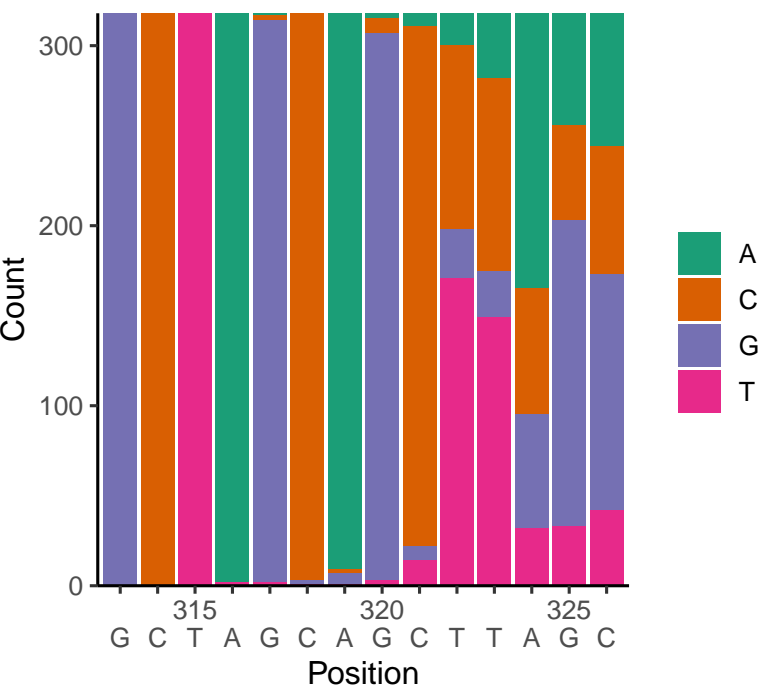


Gene TRBV7-1*ap01_T296C



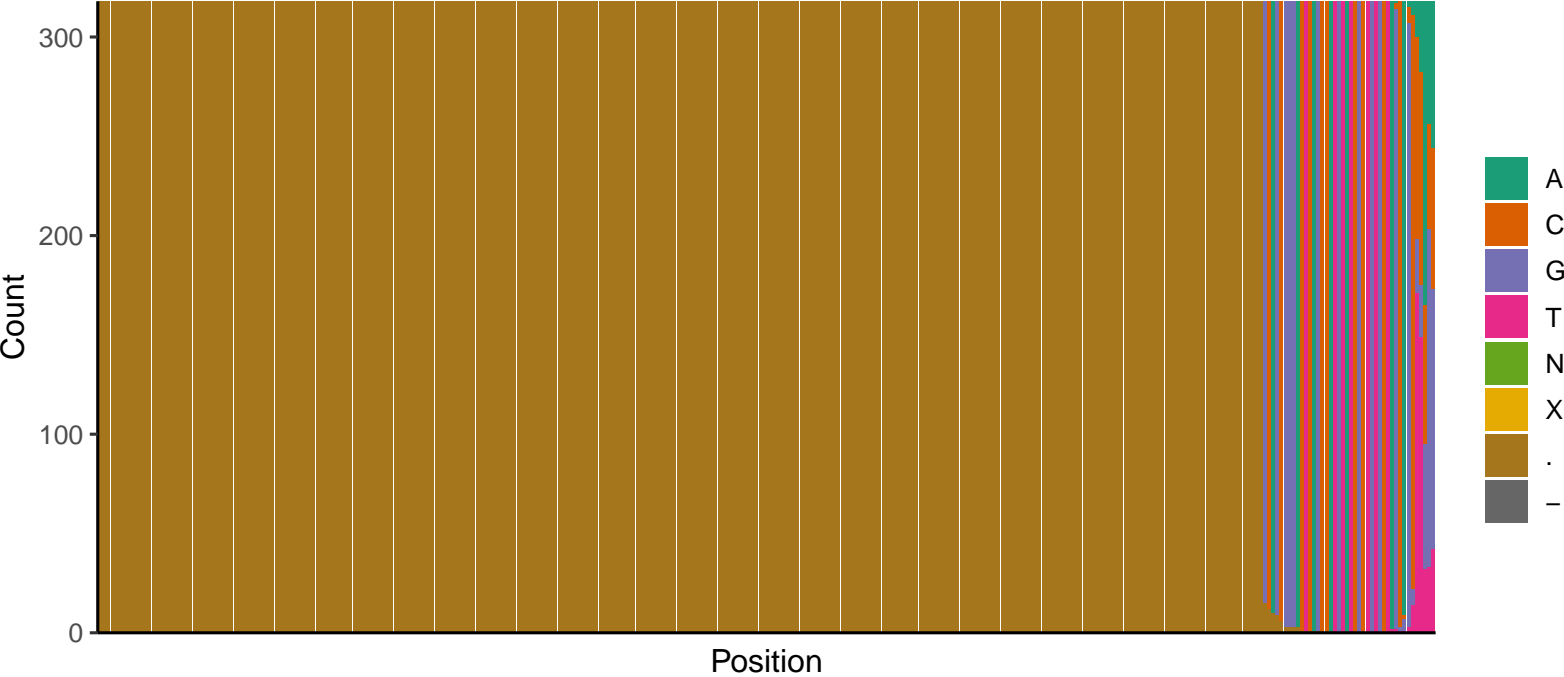
Gene TRBV7-7*ap01_C315T



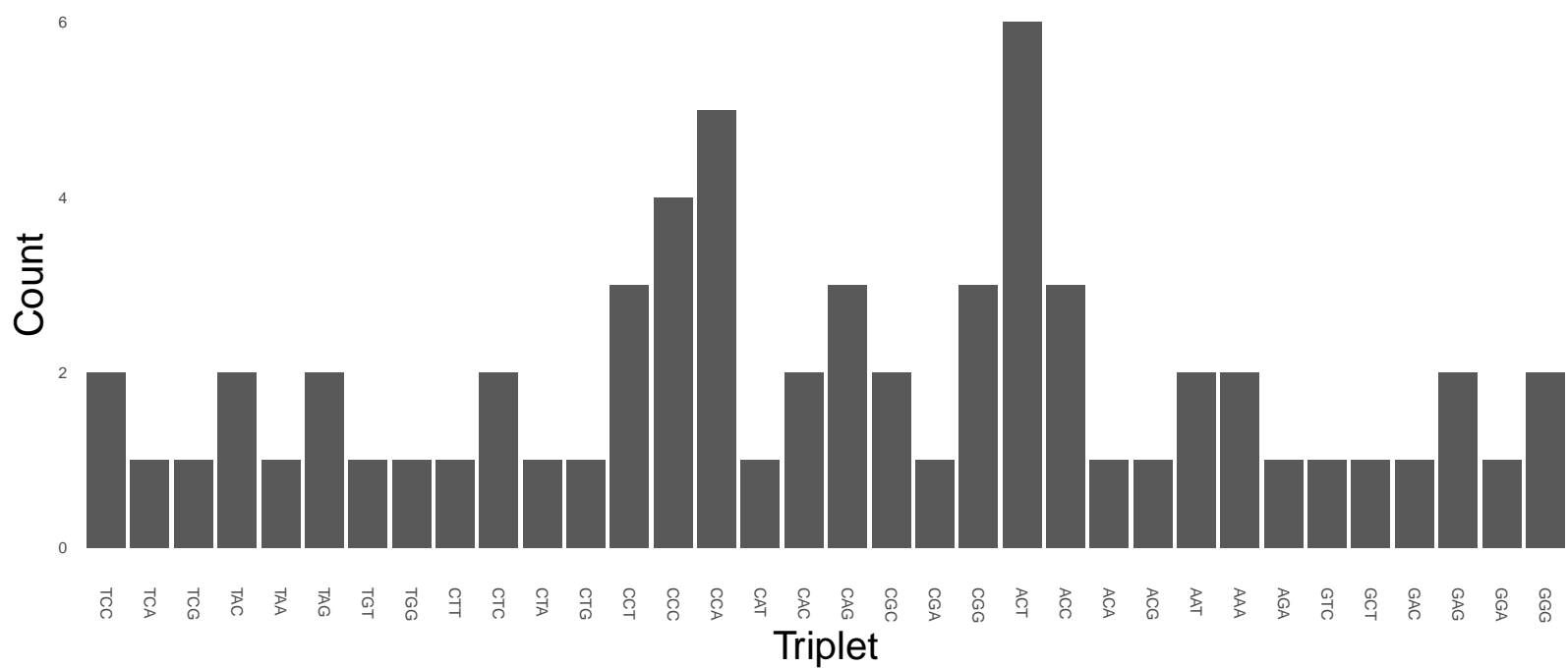
Gene TRBV7-1*ap01_T296C



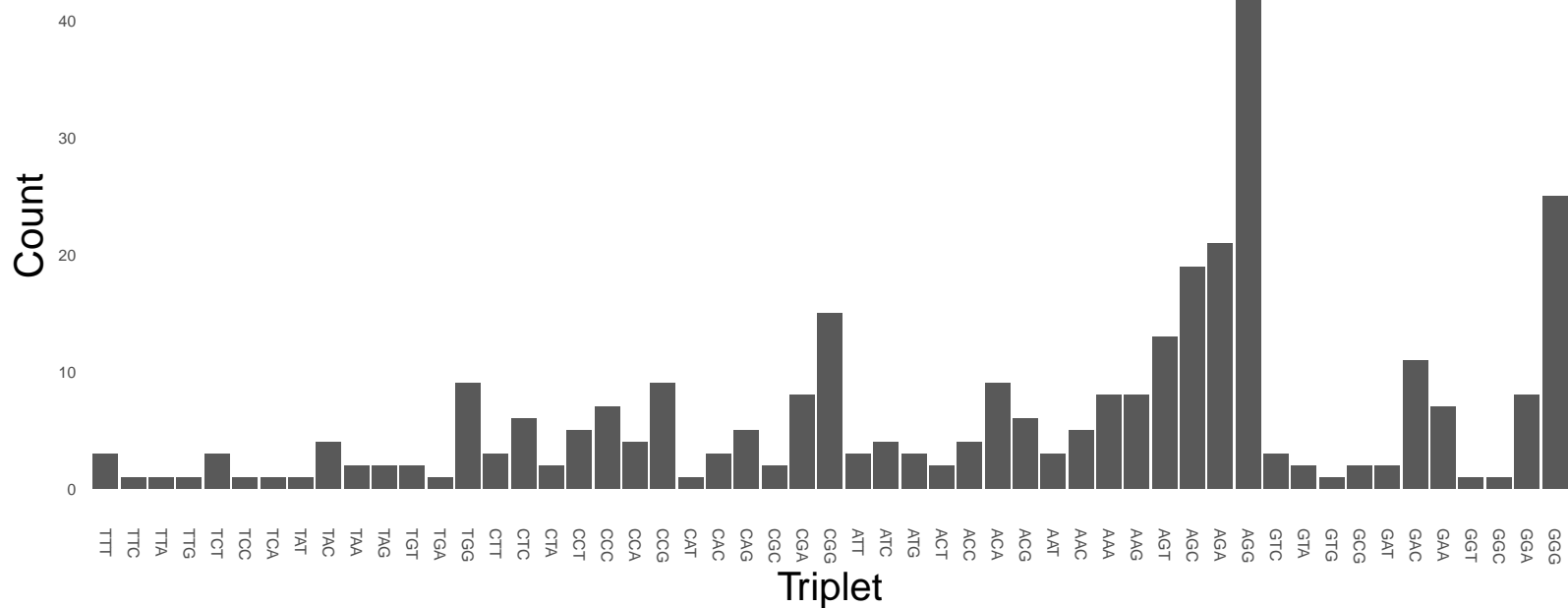
Gene TRBV7-7*ap01_C315T



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

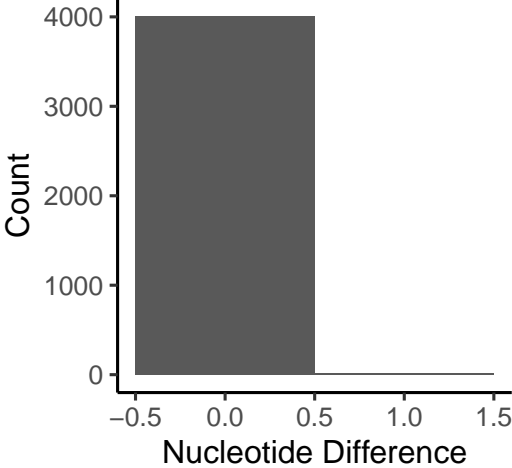


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



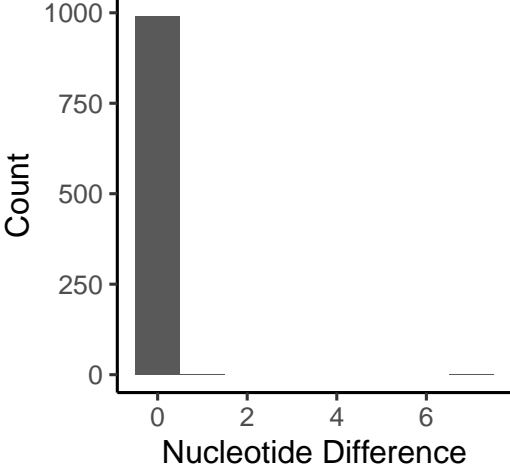
TRBV20–1*ap01

4020 sequences assigned
4005 (99.6%) exact matches, in which:
3984 unique CDR3
13 unique J



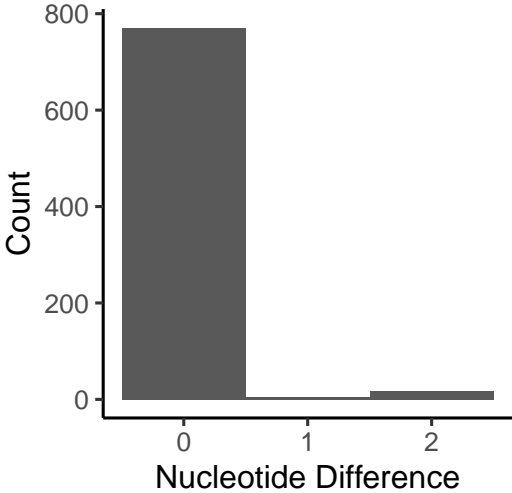
TRBV10–2*ap01

993 sequences assigned
990 (99.7%) exact matches, in which:
980 unique CDR3
13 unique J



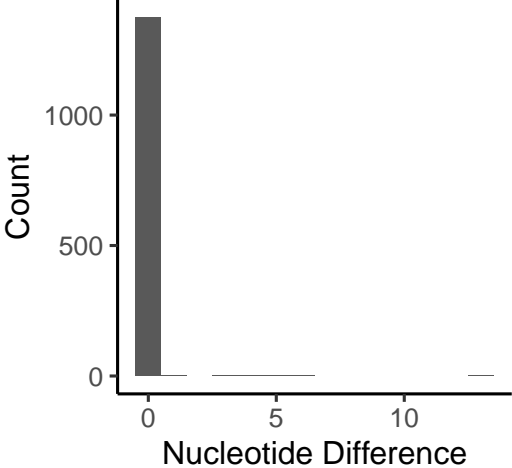
TRBV13*ap01

793 sequences assigned
771 (97.2%) exact matches, in which:
766 unique CDR3
13 unique J



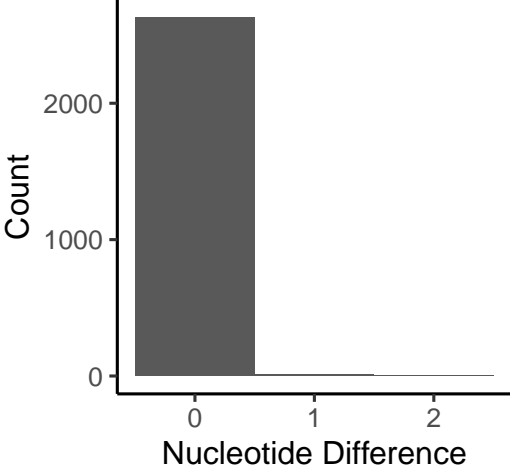
TRBV10–1*ap01

1384 sequences assigned
1373 (99.2%) exact matches, in which:
1358 unique CDR3
13 unique J



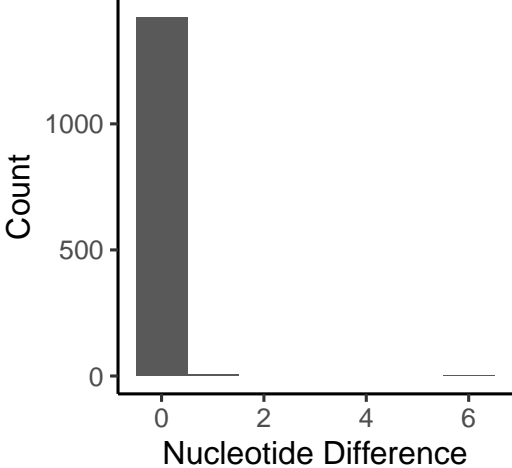
TRBV10–3*ap01

2637 sequences assigned
2627 (99.6%) exact matches, in which:
2605 unique CDR3
13 unique J



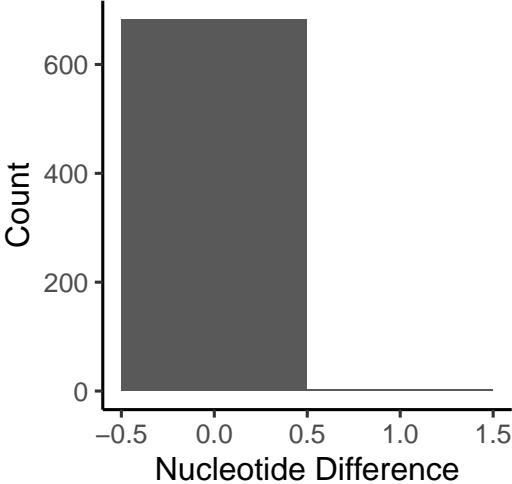
TRBV14*ap01

1429 sequences assigned
1421 (99.4%) exact matches, in which:
1409 unique CDR3
13 unique J



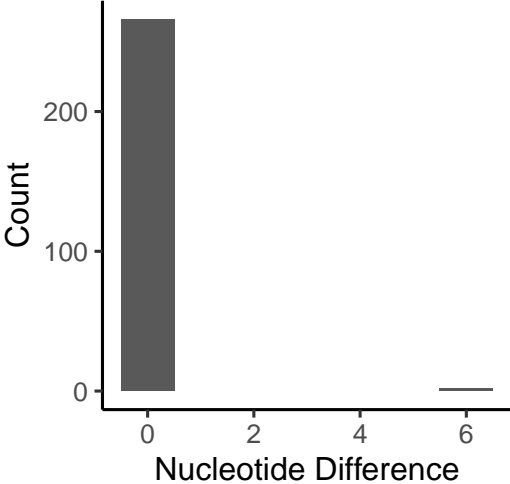
TRBV20–1*ap02

686 sequences assigned
683 (99.6%) exact matches, in which:
679 unique CDR3
13 unique J



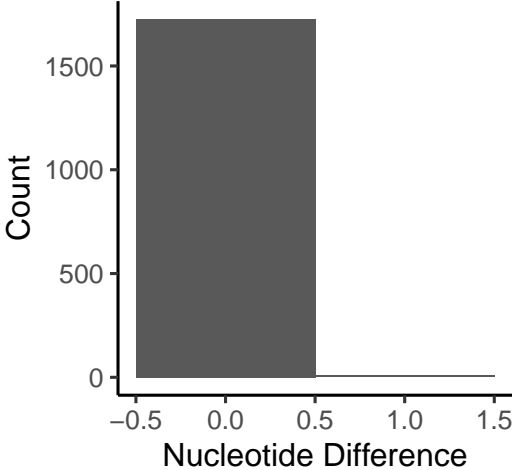
TRBV1*ap01

268 sequences assigned
266 (99.3%) exact matches, in which:
263 unique CDR3
13 unique J



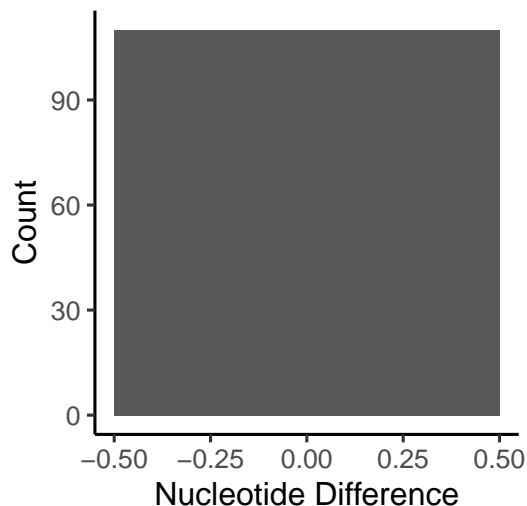
TRBV15*ap02

1735 sequences assigned
1726 (99.5%) exact matches, in which:
1708 unique CDR3
13 unique J



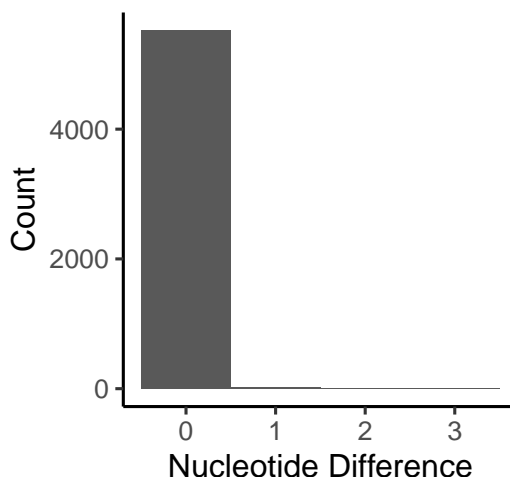
TRBV16*ap01

110 sequences assigned
110 (100%) exact matches, in which:
110 unique CDR3
13 unique J



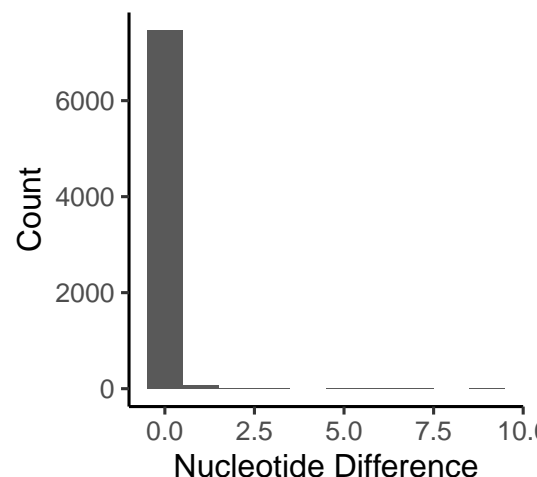
TRBV2*ap01

5545 sequences assigned
5522 (99.6%) exact matches, in which:
5488 unique CDR3
13 unique J



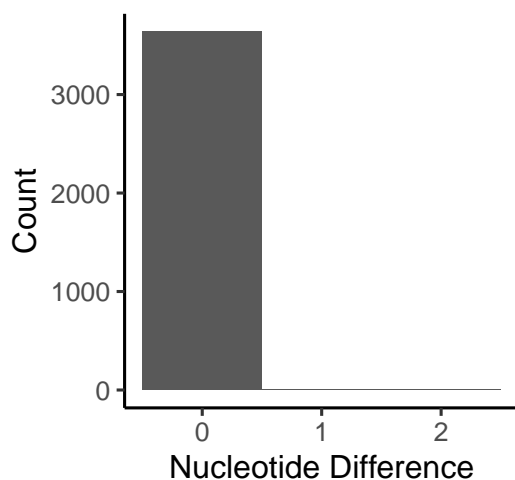
TRBV30*ap01

7555 sequences assigned
7463 (98.8%) exact matches, in which:
7316 unique CDR3
13 unique J



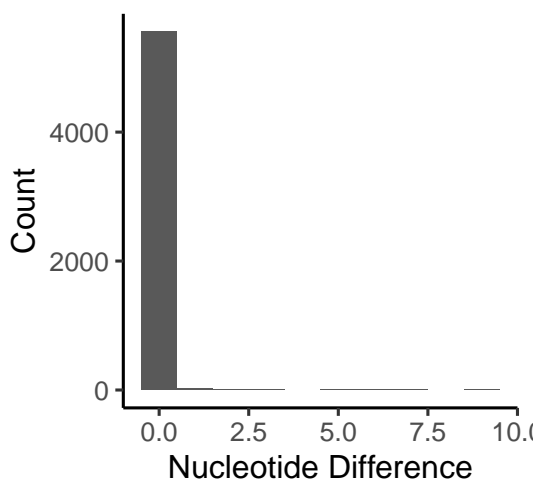
TRBV18*ap01

3645 sequences assigned
3638 (99.8%) exact matches, in which:
3621 unique CDR3
13 unique J



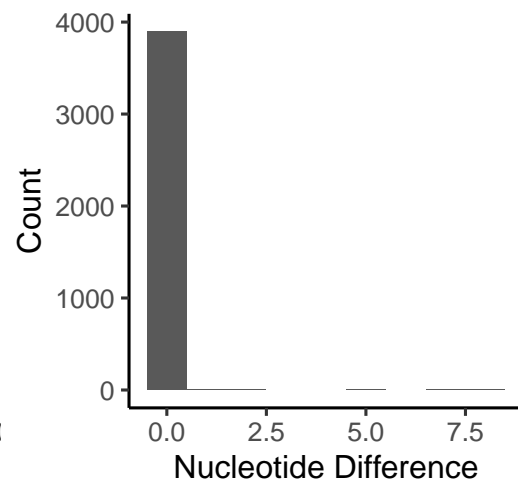
TRBV27*ap01

5593 sequences assigned
5557 (99.4%) exact matches, in which:
5515 unique CDR3
13 unique J



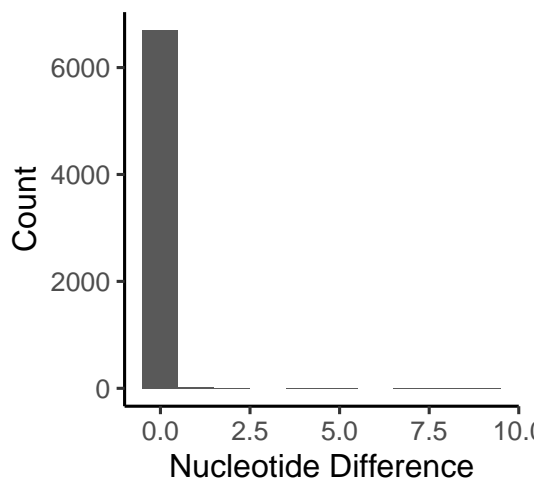
TRBV9*ap01

3909 sequences assigned
3895 (99.6%) exact matches, in which:
3872 unique CDR3
13 unique J



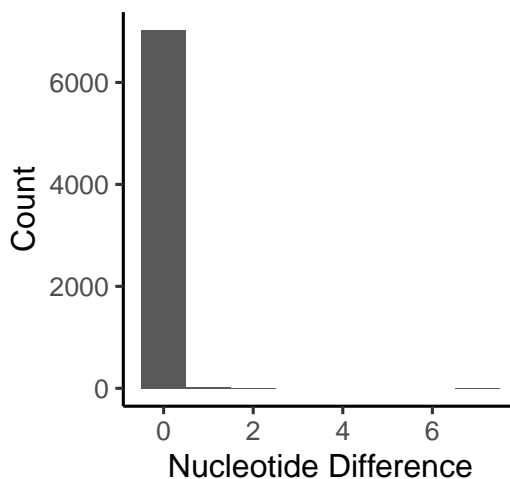
TRBV19*ap01

6741 sequences assigned
6702 (99.4%) exact matches, in which:
6679 unique CDR3
13 unique J



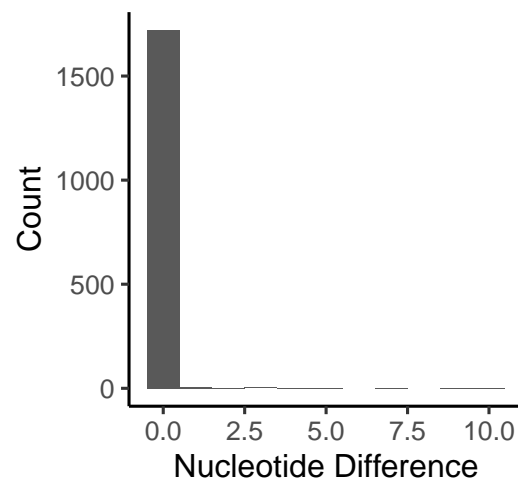
TRBV28*ap01

7061 sequences assigned
7028 (99.5%) exact matches, in which:
6975 unique CDR3
13 unique J



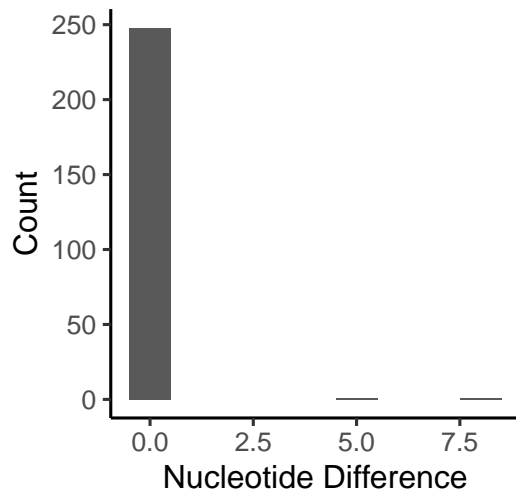
TRBV21-1*ap01

1741 sequences assigned
1721 (98.9%) exact matches, in which:
1715 unique CDR3
13 unique J



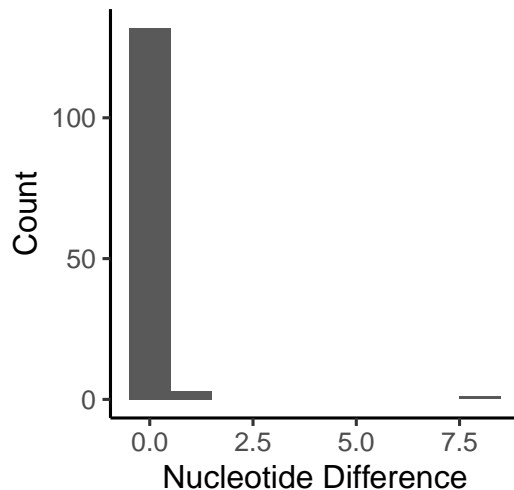
TRBV11-1*ap01

250 sequences assigned
248 (99.2%) exact matches, in which:
246 unique CDR3
13 unique J



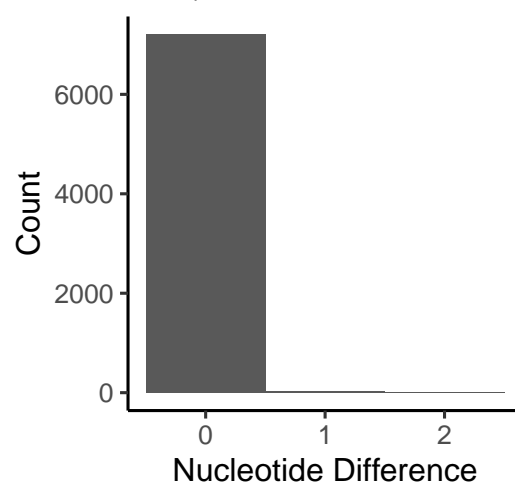
TRBV12-1*ap01

136 sequences assigned
132 (97.1%) exact matches, in which:
131 unique CDR3
13 unique J



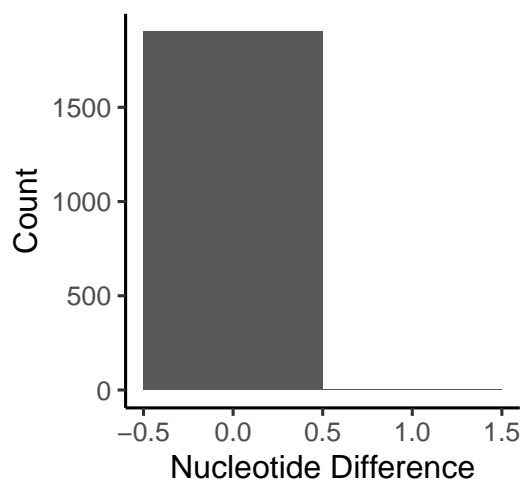
TRBV12-34*ap01

7244 sequences assigned
7206 (99.5%) exact matches, in which:
7151 unique CDR3
13 unique J



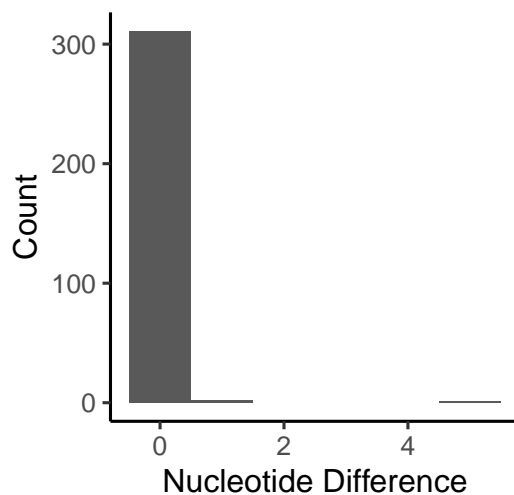
TRBV11-2*ap01

1902 sequences assigned
1901 (99.9%) exact matches, in which:
1897 unique CDR3
13 unique J



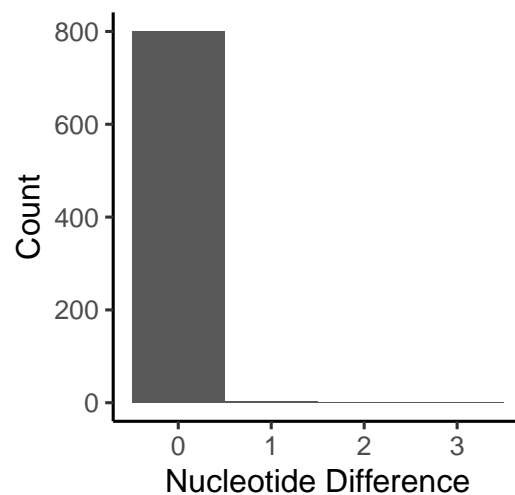
TRBV12-2*ap01

314 sequences assigned
311 (99%) exact matches, in which:
308 unique CDR3
13 unique J



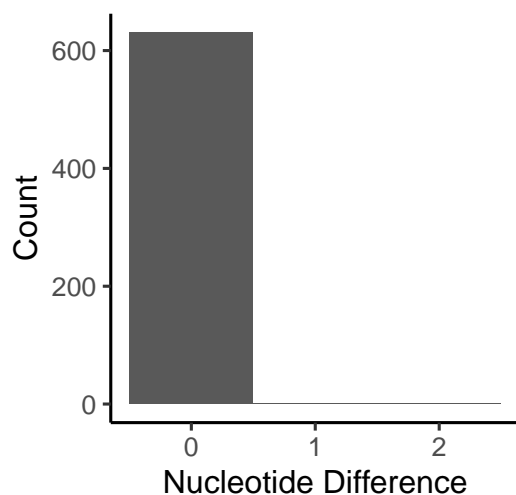
TRBV23-1*ap01

807 sequences assigned
801 (99.3%) exact matches, in which:
793 unique CDR3
13 unique J



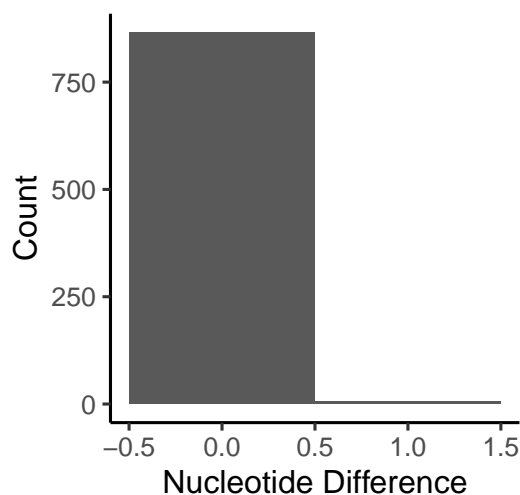
TRBV11-3*ap01

633 sequences assigned
631 (99.7%) exact matches, in which:
628 unique CDR3
13 unique J



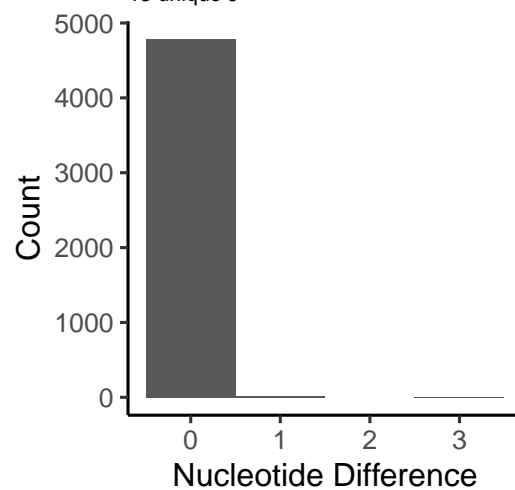
TRBV12-5*ap01

871 sequences assigned
866 (99.4%) exact matches, in which:
860 unique CDR3
13 unique J



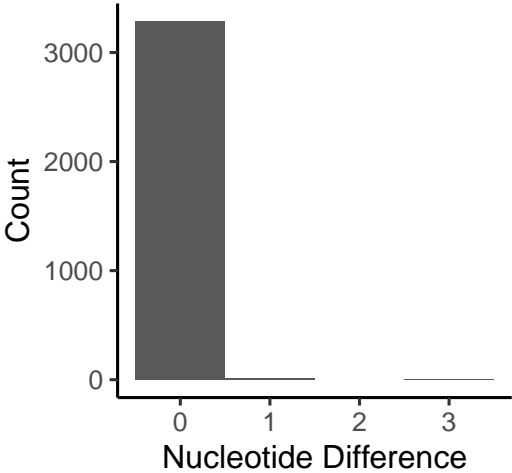
TRBV3-12*ap01

4807 sequences assigned
4786 (99.6%) exact matches, in which:
4763 unique CDR3
13 unique J



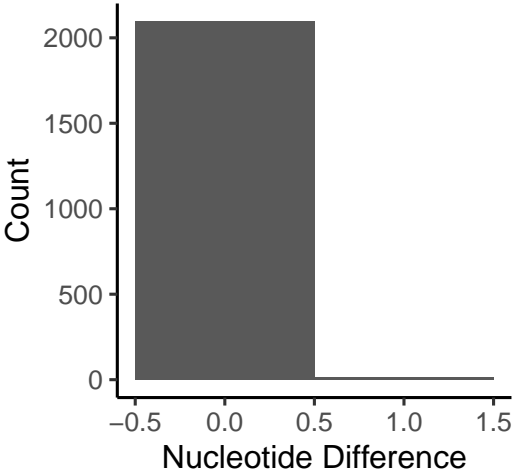
TRBV4-1*ap01

3303 sequences assigned
3285 (99.5%) exact matches, in which:
3252 unique CDR3
13 unique J



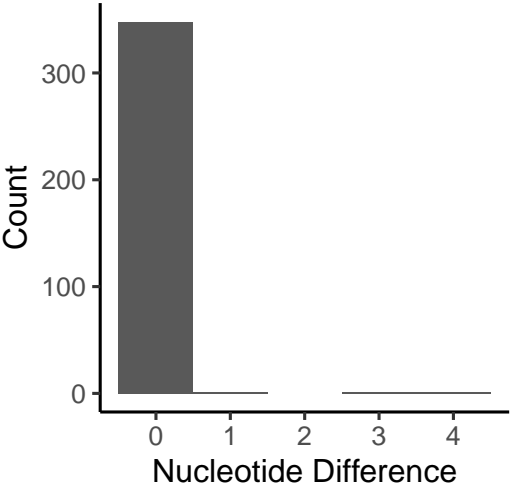
TRBV4-3*ap01

2111 sequences assigned
2096 (99.3%) exact matches, in which:
2077 unique CDR3
13 unique J



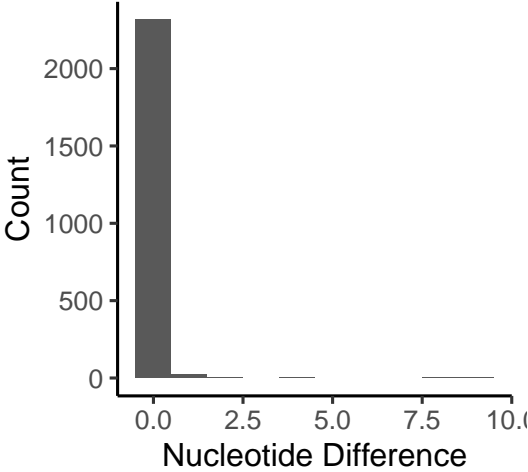
TRBV5-3*ap01

351 sequences assigned
348 (99.1%) exact matches, in which:
345 unique CDR3
13 unique J



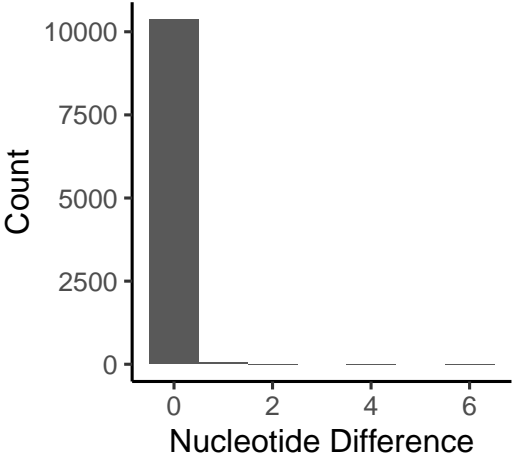
TRBV24-1*ap01

2341 sequences assigned
2316 (98.9%) exact matches, in which:
2301 unique CDR3
13 unique J



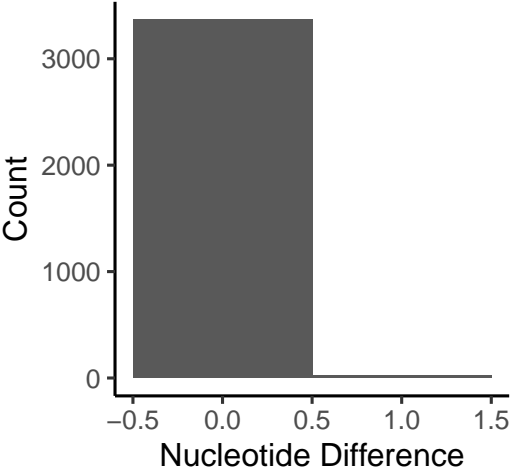
TRBV5-1*ap01

10426 sequences assigned
10370 (99.5%) exact matches, in which:
10267 unique CDR3
13 unique J



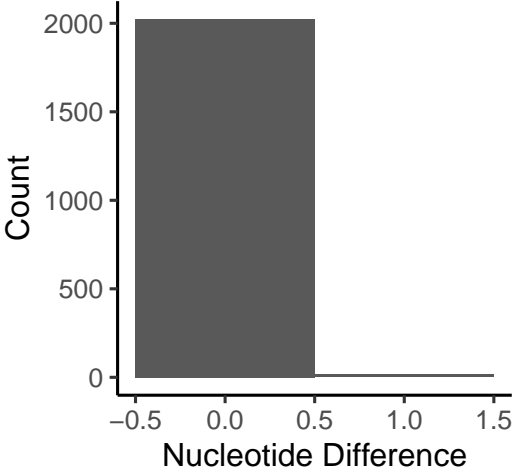
TRBV5-4*ap01

3387 sequences assigned
3367 (99.4%) exact matches, in which:
3336 unique CDR3
13 unique J



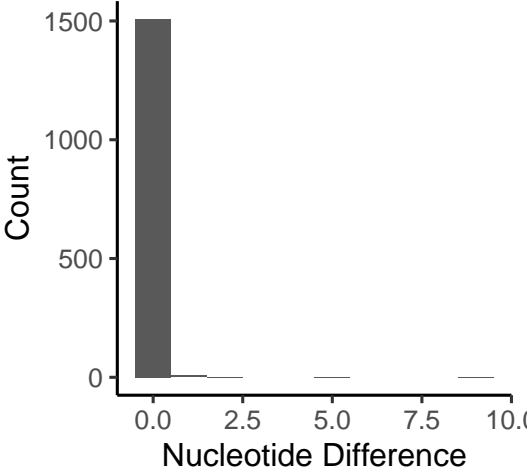
TRBV4-2*ap01

2040 sequences assigned
2024 (99.2%) exact matches, in which:
2009 unique CDR3
13 unique J



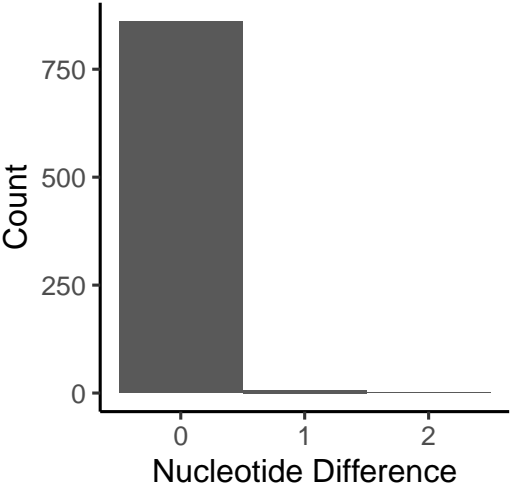
TRBV25-1*ap01

1520 sequences assigned
1508 (99.2%) exact matches, in which:
1495 unique CDR3
13 unique J



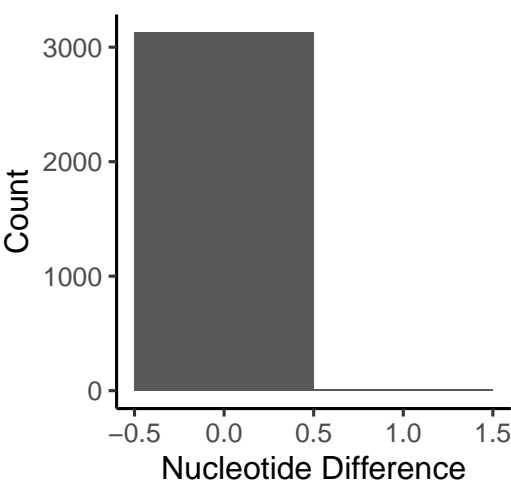
TRBV5-5*ap01

869 sequences assigned
861 (99.1%) exact matches, in which:
857 unique CDR3
13 unique J



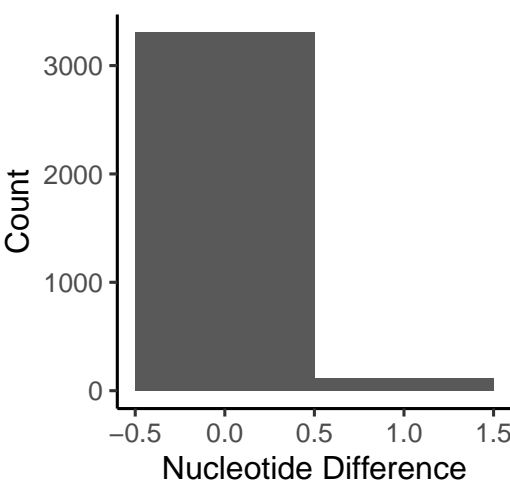
TRBV5-6*ap01

3146 sequences assigned
3129 (99.5%) exact matches, in which:
3068 unique CDR3
13 unique J



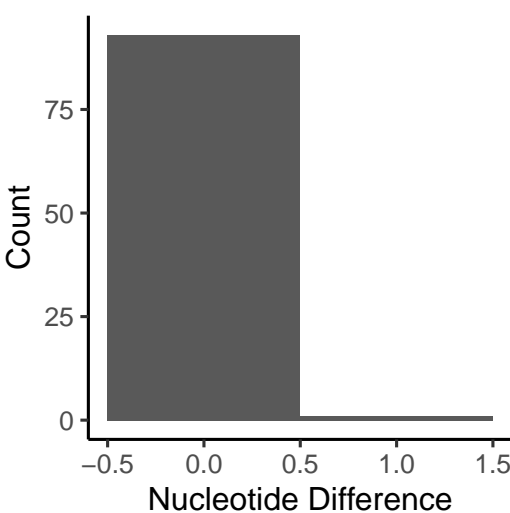
TRBV6-1*ap01

3420 sequences assigned
3306 (96.7%) exact matches, in which:
3270 unique CDR3
13 unique J



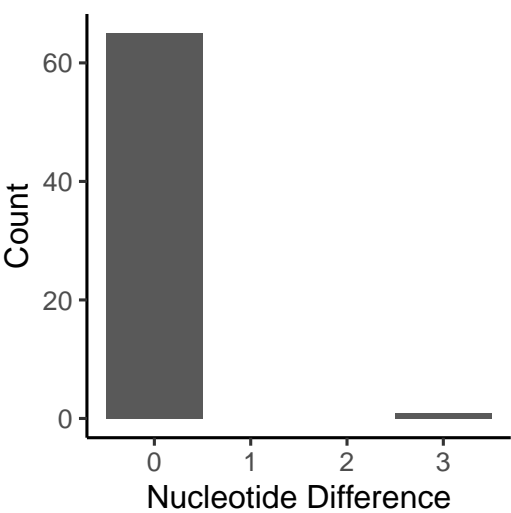
TRBV6-8*ap01

94 sequences assigned
93 (98.9%) exact matches, in which:
91 unique CDR3
12 unique J



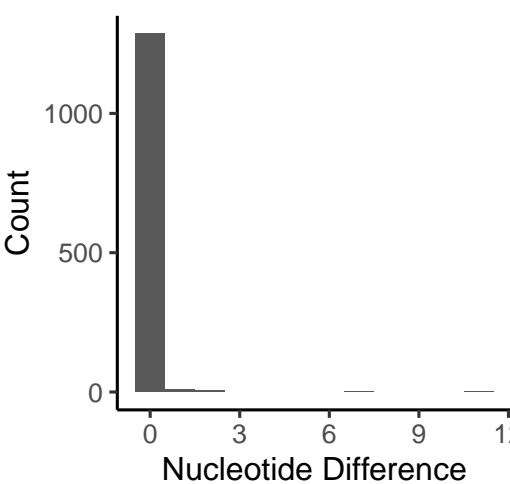
TRBV5-7*ap01

66 sequences assigned
65 (98.5%) exact matches, in which:
65 unique CDR3
13 unique J



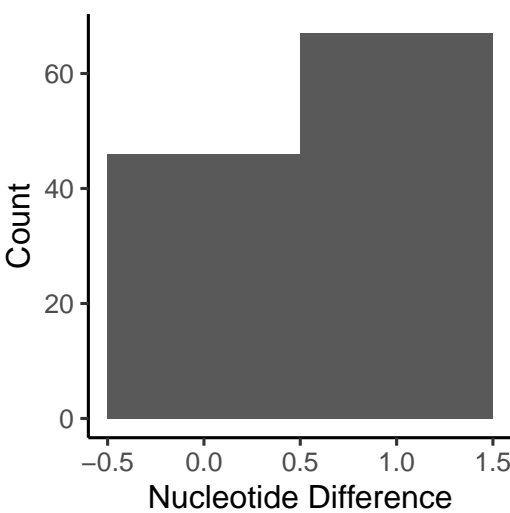
TRBV6-4*ap01

1303 sequences assigned
1286 (98.7%) exact matches, in which:
1280 unique CDR3
13 unique J



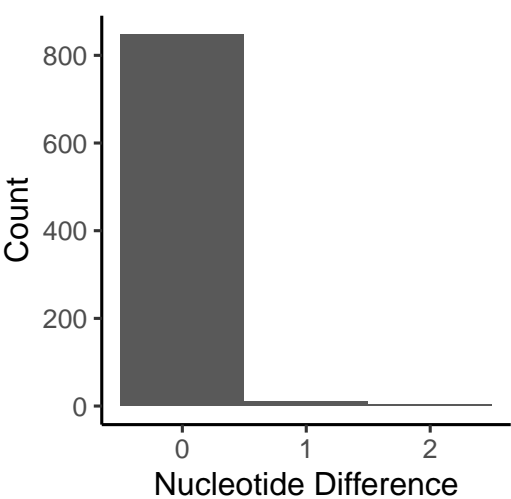
TRBV6-9*ap01

113 sequences assigned
46 (40.7%) exact matches, in which:
46 unique CDR3
12 unique J



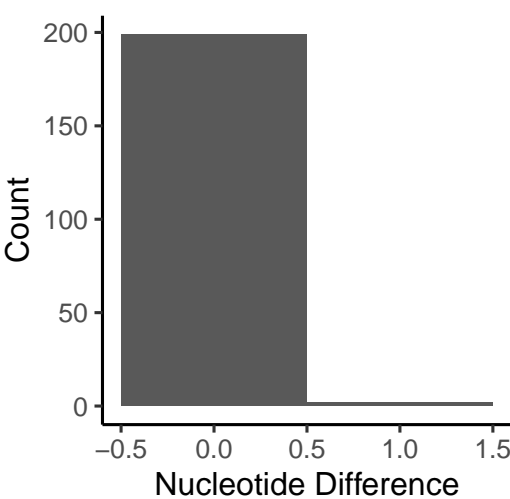
TRBV5-8*ap01

862 sequences assigned
848 (98.4%) exact matches, in which:
845 unique CDR3
13 unique J



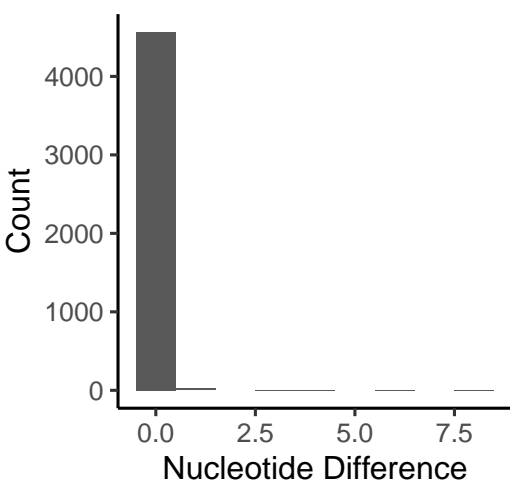
TRBV6-7*ap01

201 sequences assigned
199 (99%) exact matches, in which:
198 unique CDR3
13 unique J



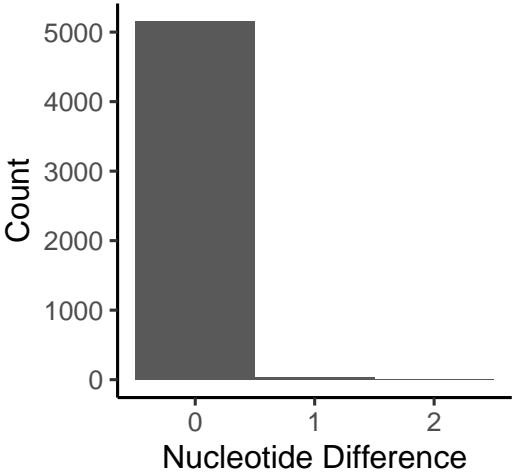
TRBV6-23*ap01

4591 sequences assigned
4565 (99.4%) exact matches, in which:
4522 unique CDR3
13 unique J



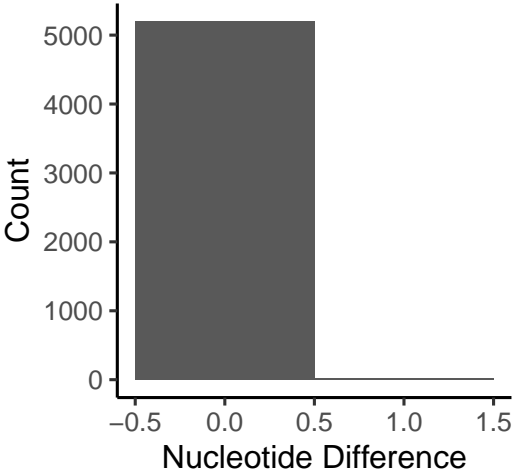
TRBV6-56*ap01

5192 sequences assigned
5154 (99.3%) exact matches, in which:
5089 unique CDR3
13 unique J



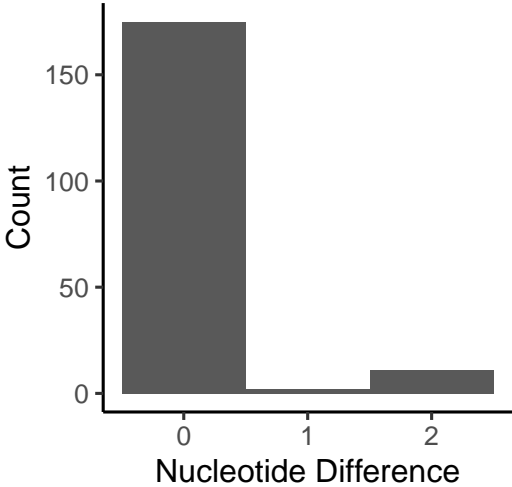
TRBV7-2*ap01

5214 sequences assigned
5199 (99.7%) exact matches, in which:
5162 unique CDR3
13 unique J



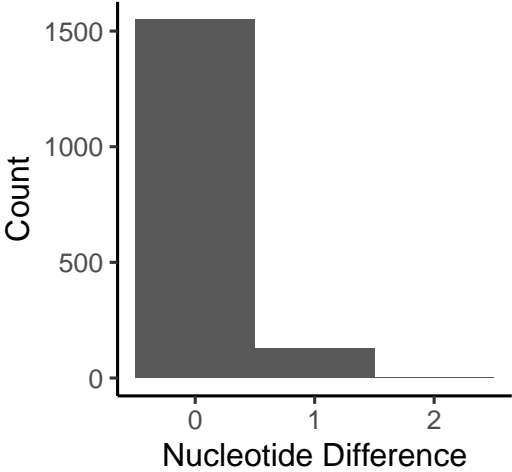
TRBV7-4*ap01

188 sequences assigned
175 (93.1%) exact matches, in which:
172 unique CDR3
13 unique J



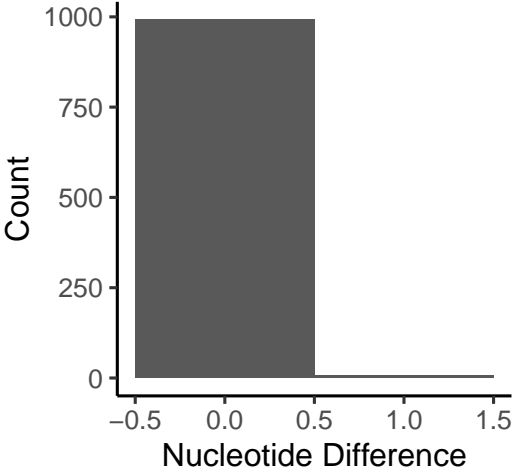
TRBV6-56*ap02

1678 sequences assigned
1549 (92.3%) exact matches, in which:
1537 unique CDR3
13 unique J



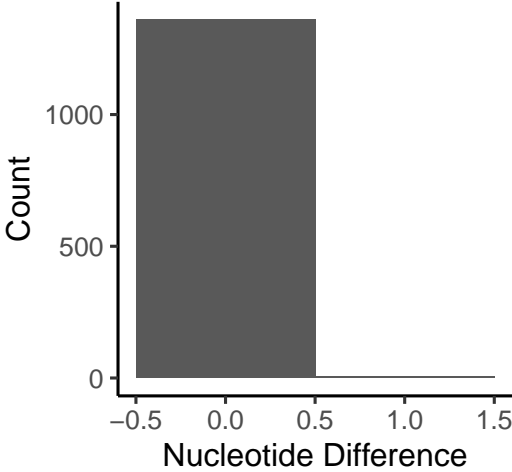
TRBV7-3*ap01

999 sequences assigned
992 (99.3%) exact matches, in which:
987 unique CDR3
13 unique J



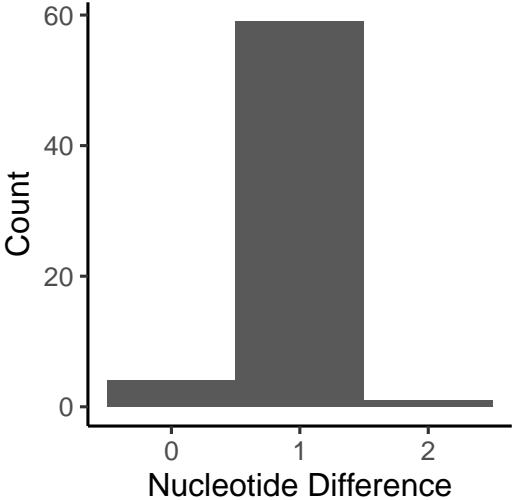
TRBV7-6*ap01

1365 sequences assigned
1360 (99.6%) exact matches, in which:
1343 unique CDR3
13 unique J



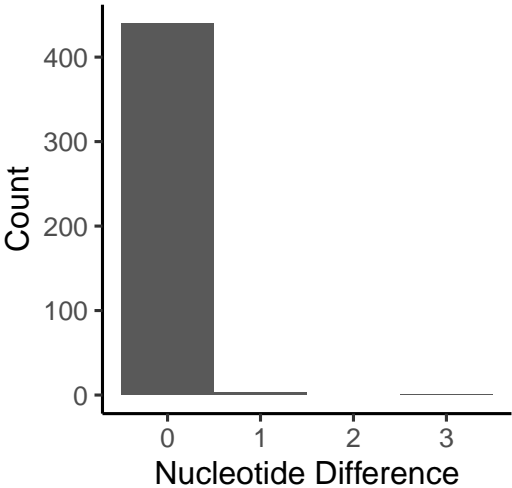
TRBV7-1*ap01_T296C

64 sequences assigned
4 (6.2%) exact matches, in which:
4 unique CDR3
4 unique J



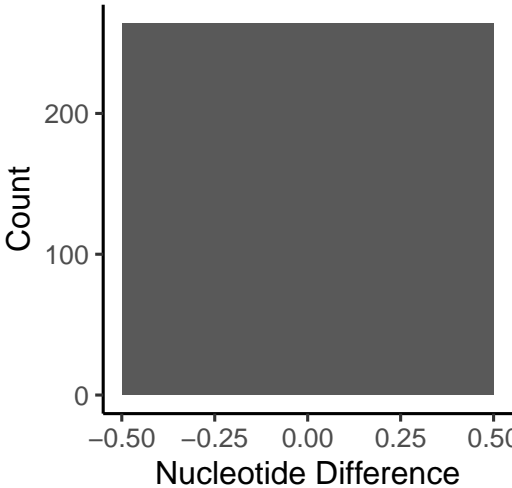
TRBV7-3*ap03

444 sequences assigned
440 (99.1%) exact matches, in which:
438 unique CDR3
13 unique J



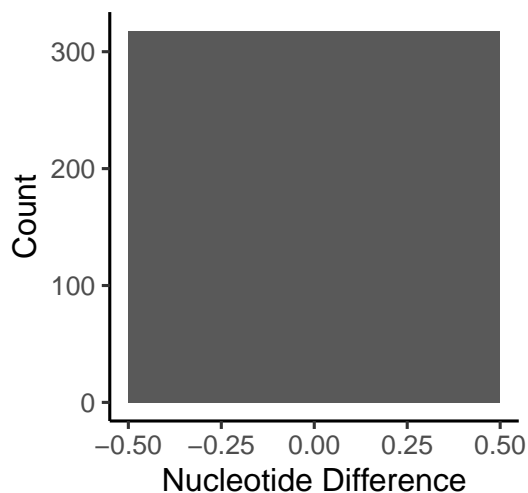
TRBV7-7*ap01

264 sequences assigned
264 (100%) exact matches, in which:
263 unique CDR3
12 unique J



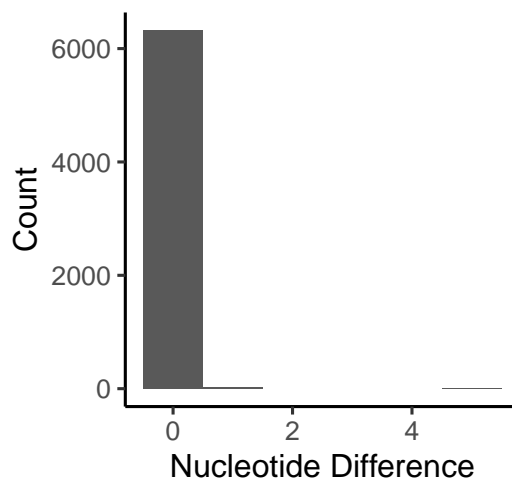
TRBV7-7*ap01_C315T

318 sequences assigned
318 (100%) exact matches, in which:
315 unique CDR3
13 unique J



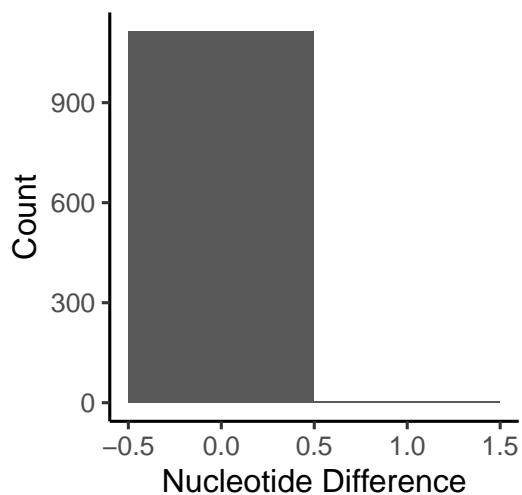
TRBV7-9*ap01

6347 sequences assigned
6321 (99.6%) exact matches, in which:
6282 unique CDR3
13 unique J



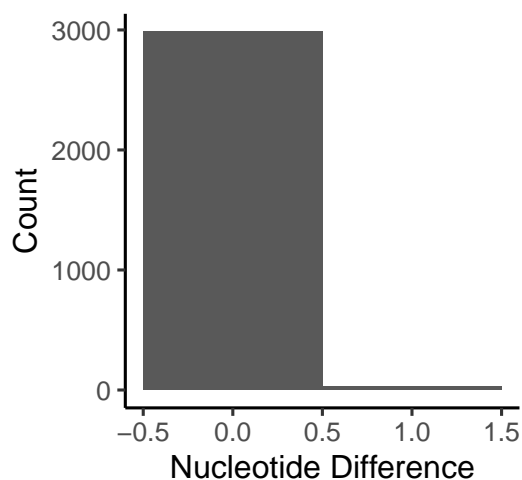
TRBV7-8*ap01

1120 sequences assigned
1115 (99.6%) exact matches, in which:
1112 unique CDR3
13 unique J



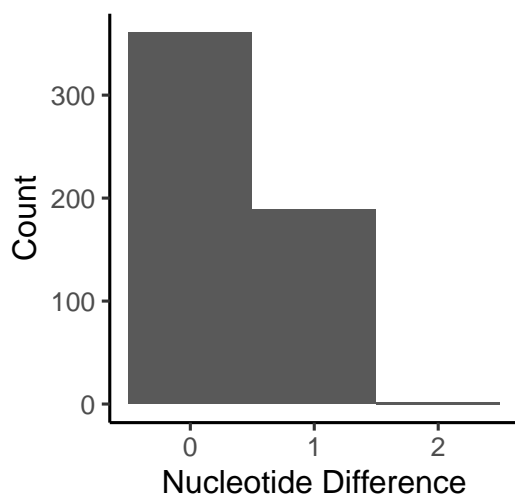
TRBV29-1*ap01

3014 sequences assigned
2985 (99%) exact matches, in which:
2925 unique CDR3
13 unique J



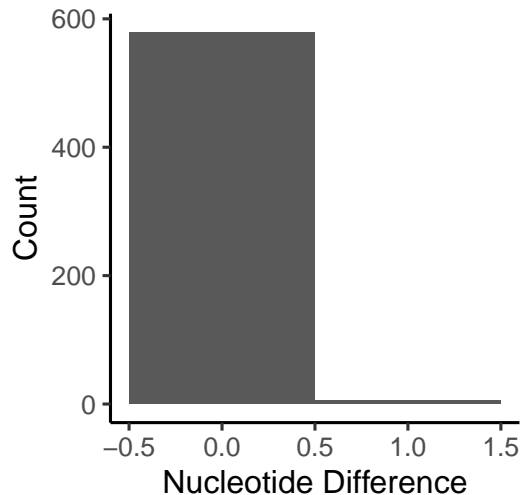
TRBV7-8*ap03

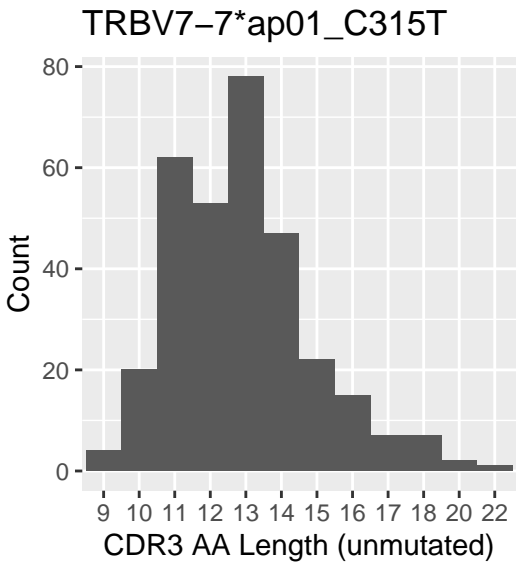
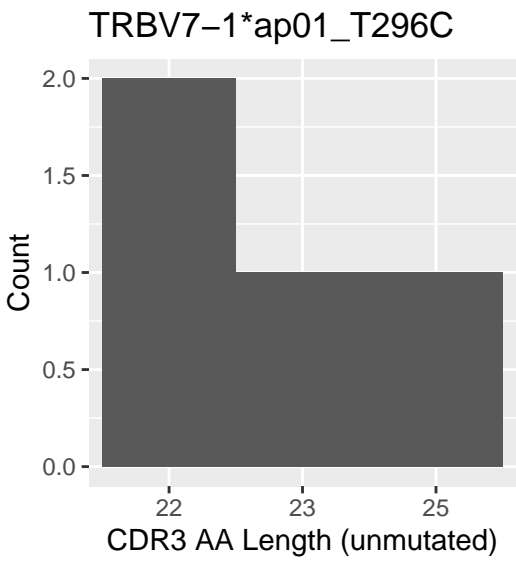
552 sequences assigned
361 (65.4%) exact matches, in which:
359 unique CDR3
13 unique J



TRBV29-1*ap02

585 sequences assigned
579 (99%) exact matches, in which:
569 unique CDR3
13 unique J







[illegible]