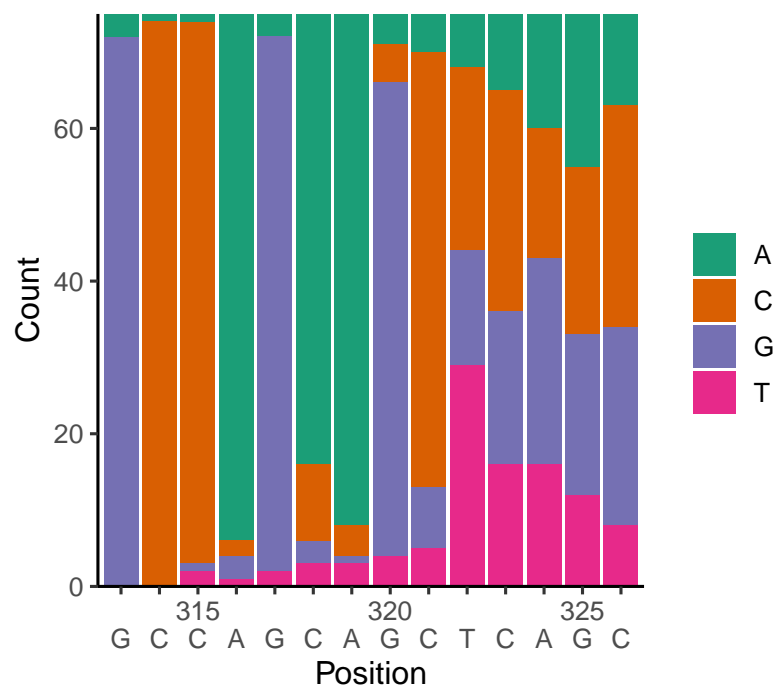
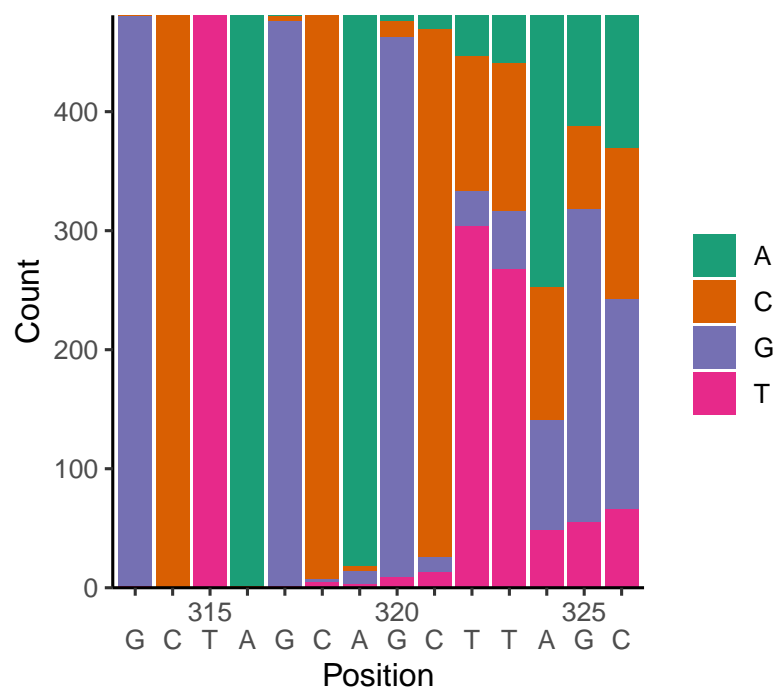


Gene TRBV7-1*ap01_T296C



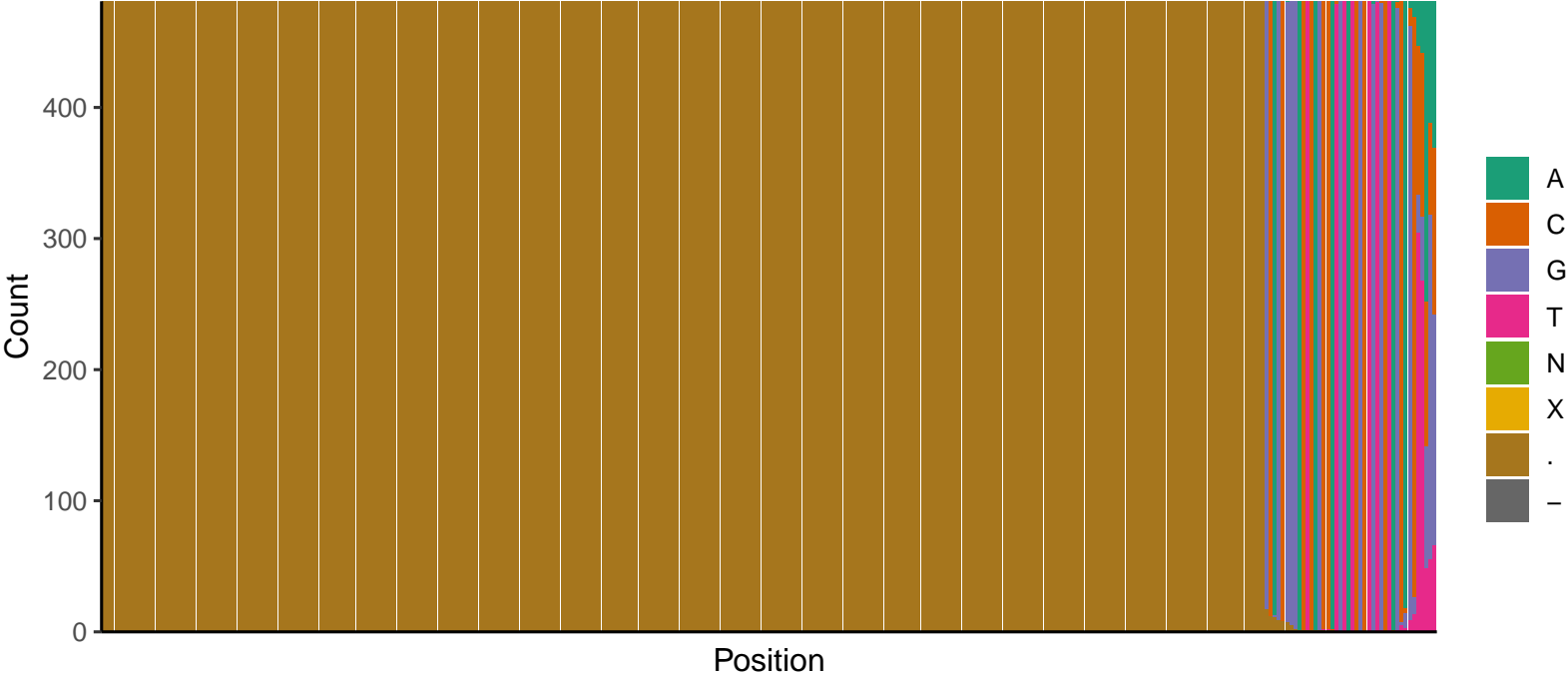
Gene TRBV7-7*ap01_C315T



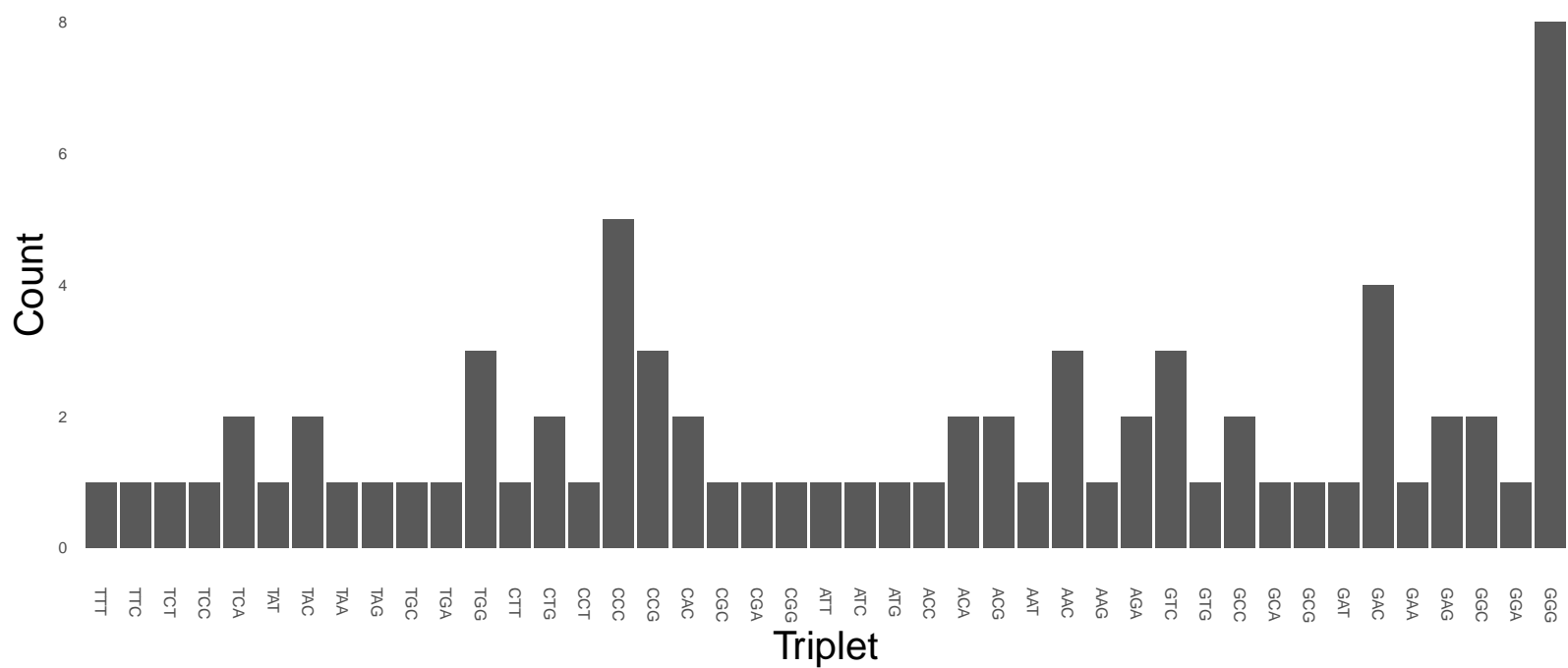
Gene TRBV7-1*ap01_T296C



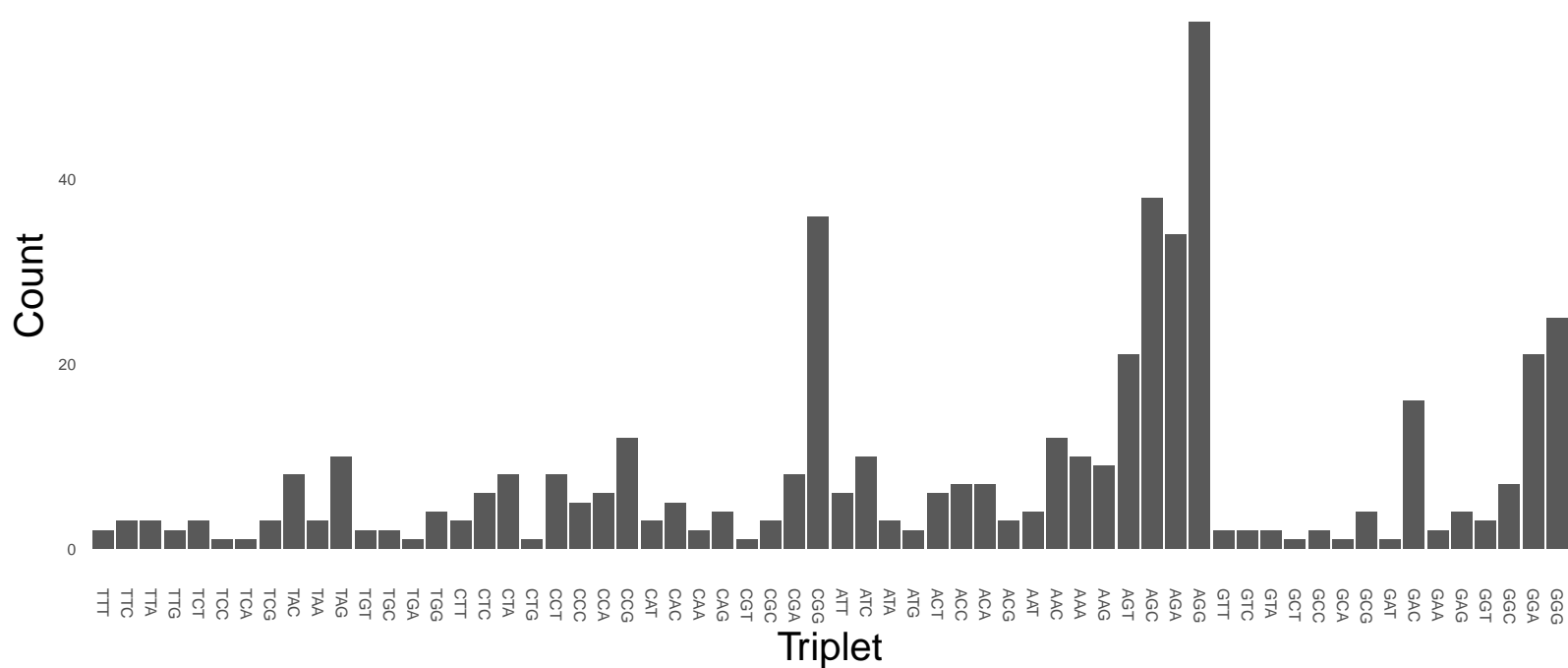
Gene TRBV7-7*ap01_C315T



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

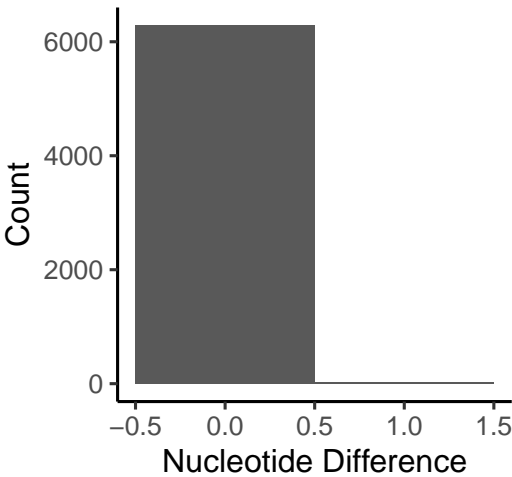


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



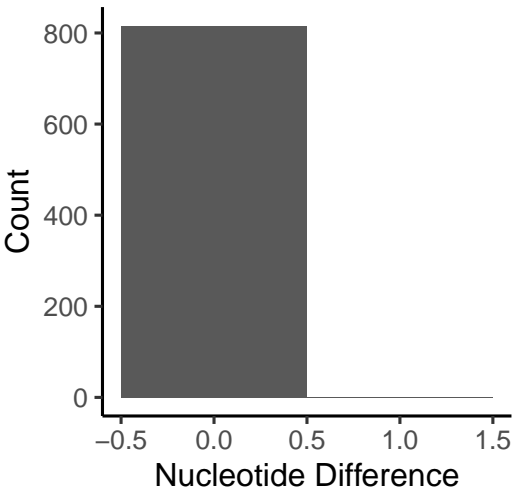
TRBV20–1*ap01

6320 sequences assigned
6287 (99.5%) exact matches, in which:
6262 unique CDR3
13 unique J



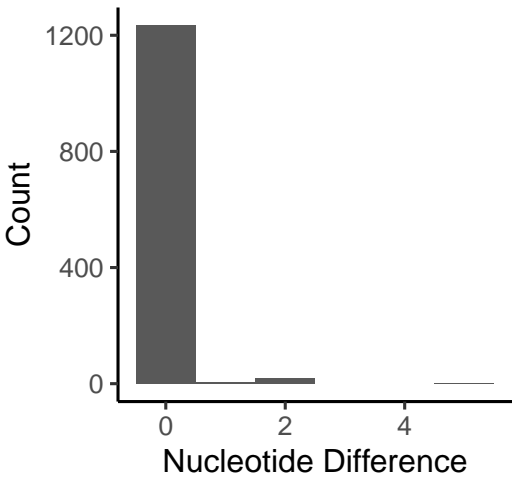
TRBV10–2*ap01

817 sequences assigned
816 (99.9%) exact matches, in which:
809 unique CDR3
13 unique J



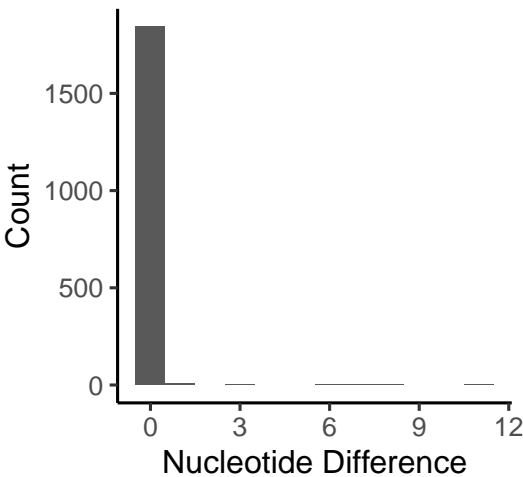
TRBV13*ap01

1259 sequences assigned
1234 (98%) exact matches, in which:
1215 unique CDR3
13 unique J



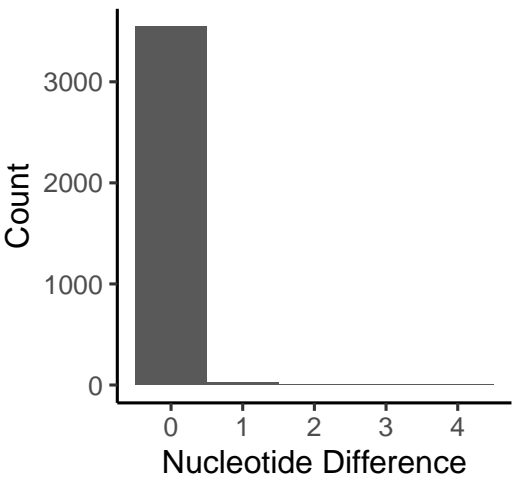
TRBV10–1*ap01

1857 sequences assigned
1843 (99.2%) exact matches, in which:
1818 unique CDR3
13 unique J



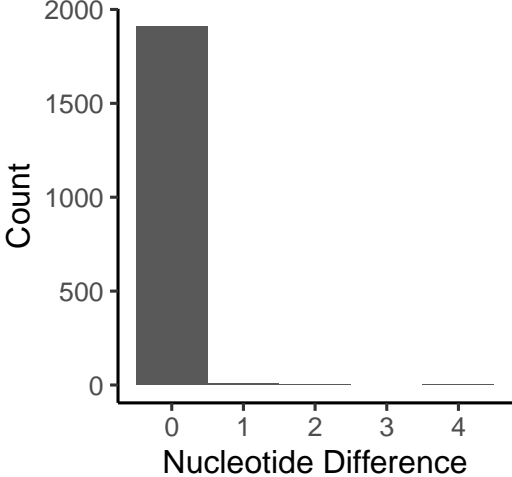
TRBV10–3*ap01

3576 sequences assigned
3545 (99.1%) exact matches, in which:
3520 unique CDR3
13 unique J



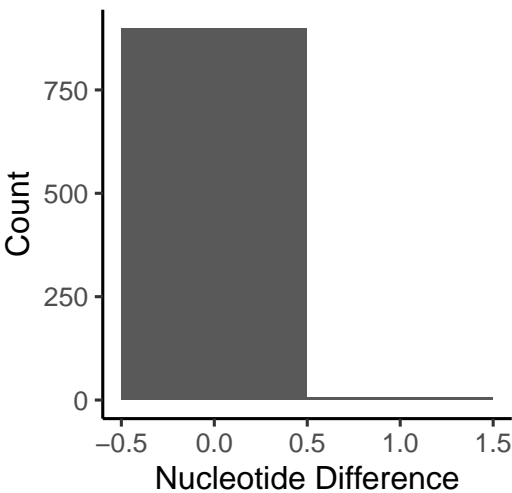
TRBV14*ap01

1921 sequences assigned
1908 (99.3%) exact matches, in which:
1903 unique CDR3
13 unique J



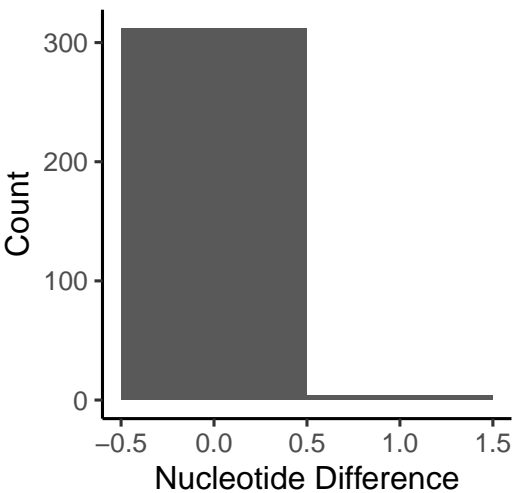
TRBV20–1*ap02

906 sequences assigned
899 (99.2%) exact matches, in which:
893 unique CDR3
13 unique J



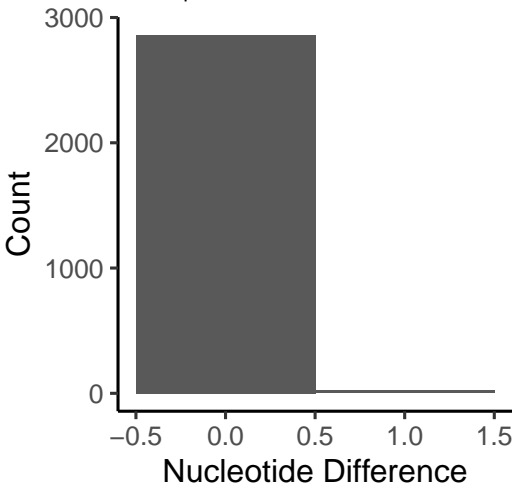
TRBV1*ap01

316 sequences assigned
312 (98.7%) exact matches, in which:
309 unique CDR3
13 unique J



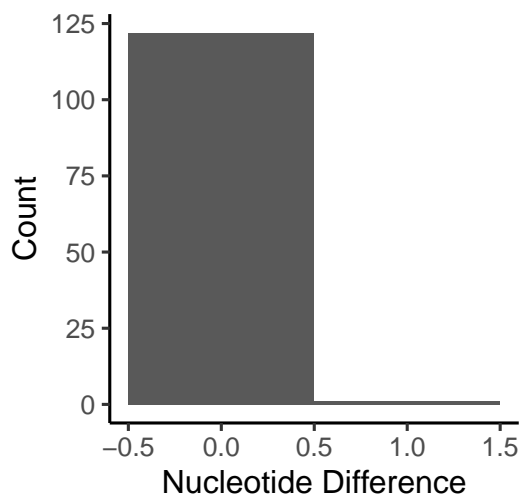
TRBV15*ap02

2881 sequences assigned
2860 (99.3%) exact matches, in which:
2824 unique CDR3
13 unique J



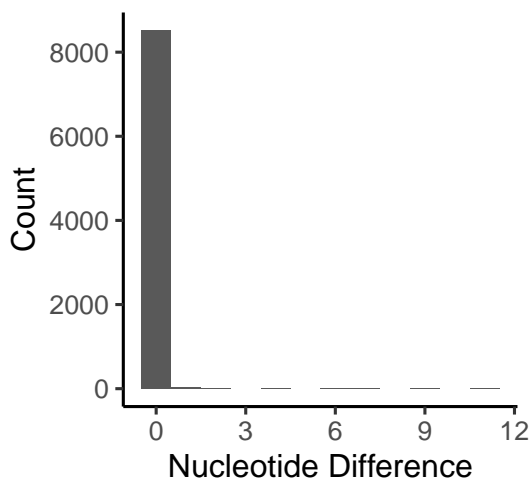
TRBV16*ap01

123 sequences assigned
122 (99.2%) exact matches, in which:
122 unique CDR3
13 unique J



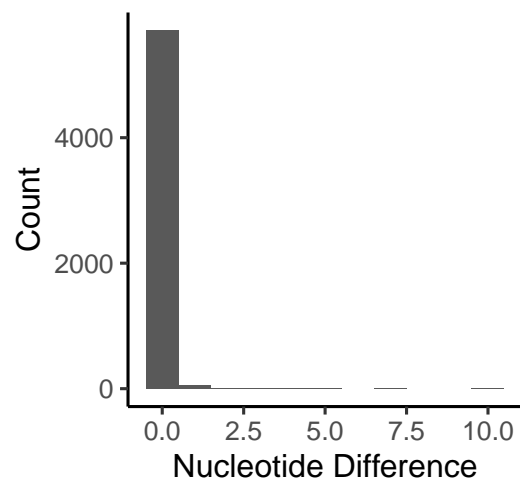
TRBV19*ap01

8559 sequences assigned
8517 (99.5%) exact matches, in which:
8485 unique CDR3
13 unique J



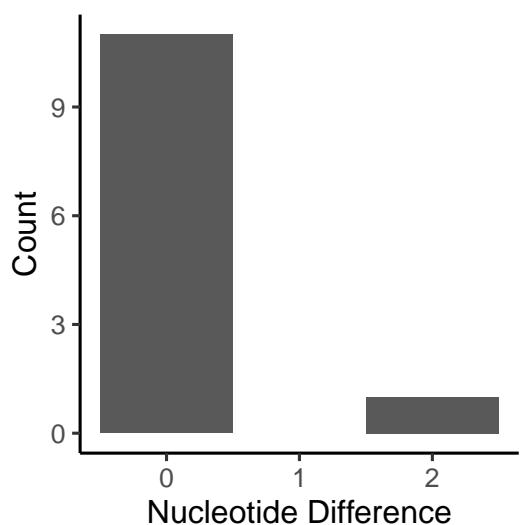
TRBV27*ap01

5771 sequences assigned
5710 (98.9%) exact matches, in which:
5644 unique CDR3
13 unique J



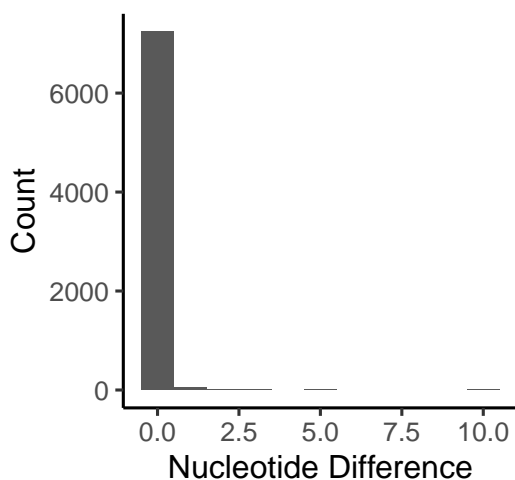
TRBV17*ap01

12 sequences assigned
11 (91.7%) exact matches, in which:
11 unique CDR3
7 unique J



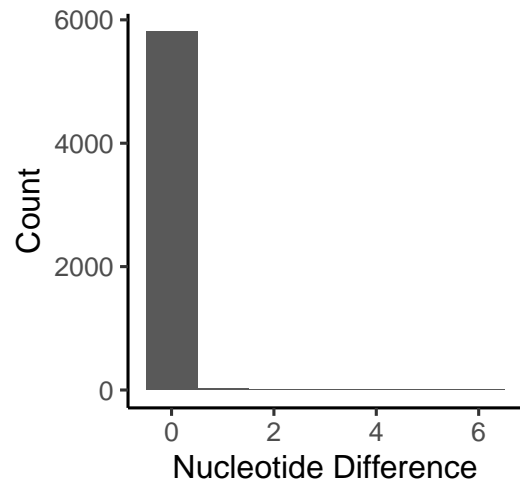
TRBV2*ap01

7297 sequences assigned
7240 (99.2%) exact matches, in which:
7150 unique CDR3
13 unique J



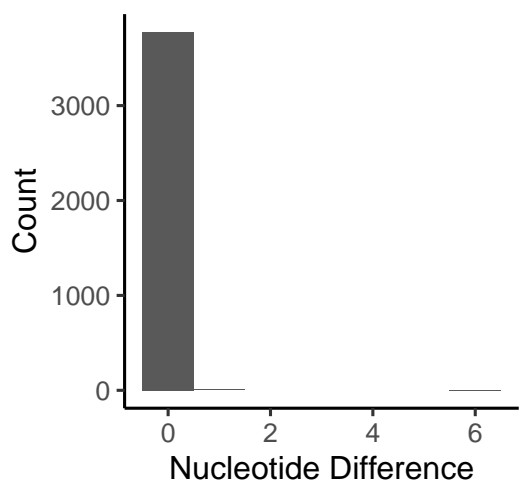
TRBV28*ap01

5845 sequences assigned
5807 (99.3%) exact matches, in which:
5774 unique CDR3
13 unique J



TRBV18*ap01

3786 sequences assigned
3775 (99.7%) exact matches, in which:
3767 unique CDR3
13 unique J



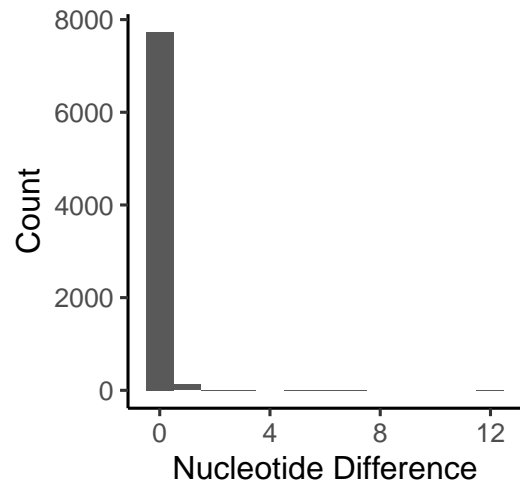
TRBV26*ap01

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



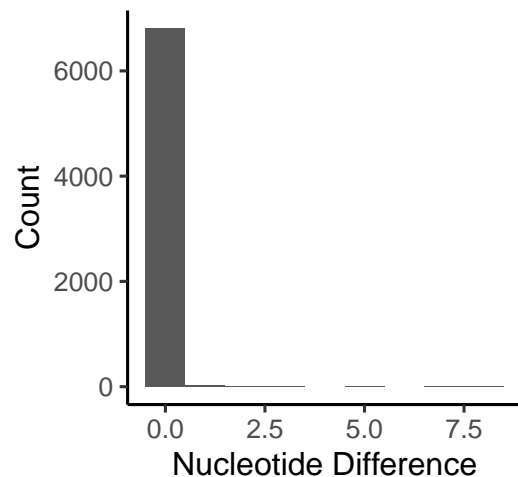
TRBV30*ap01

7872 sequences assigned
7731 (98.2%) exact matches, in which:
7580 unique CDR3
13 unique J



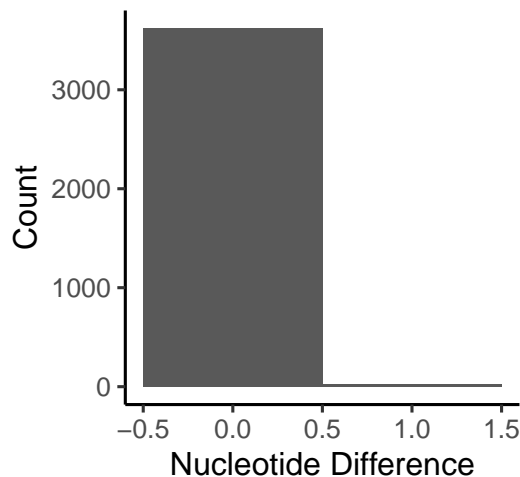
TRBV9*ap01

6849 sequences assigned
6807 (99.4%) exact matches, in which:
6754 unique CDR3
13 unique J



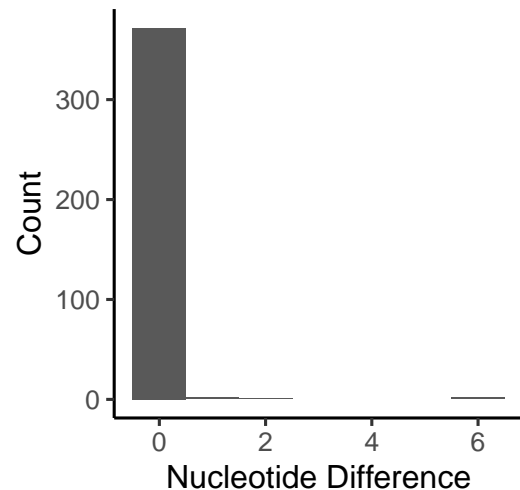
TRBV11-2*ap01

3643 sequences assigned
3620 (99.4%) exact matches, in which:
3609 unique CDR3
13 unique J



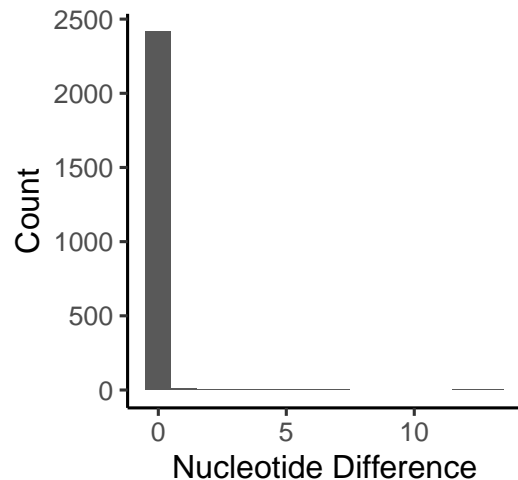
TRBV12-2*ap01

377 sequences assigned
372 (98.7%) exact matches, in which:
369 unique CDR3
13 unique J



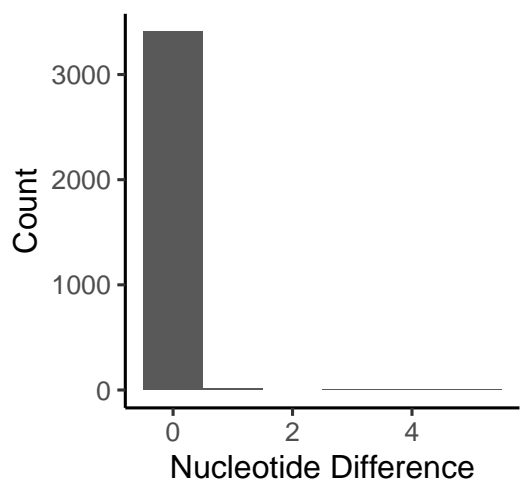
TRBV21-1*ap01

2441 sequences assigned
2415 (98.9%) exact matches, in which:
2397 unique CDR3
13 unique J



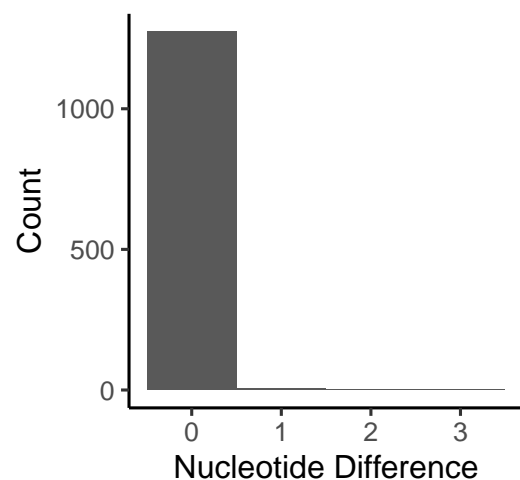
TRBV11-3*ap01

3425 sequences assigned
3407 (99.5%) exact matches, in which:
3397 unique CDR3
13 unique J



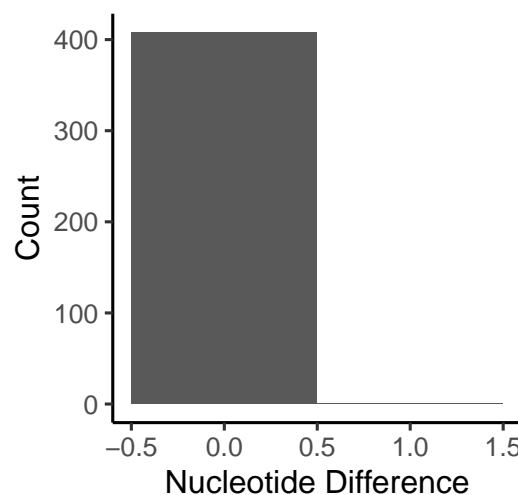
TRBV12-5*ap01

1282 sequences assigned
1274 (99.4%) exact matches, in which:
1265 unique CDR3
13 unique J



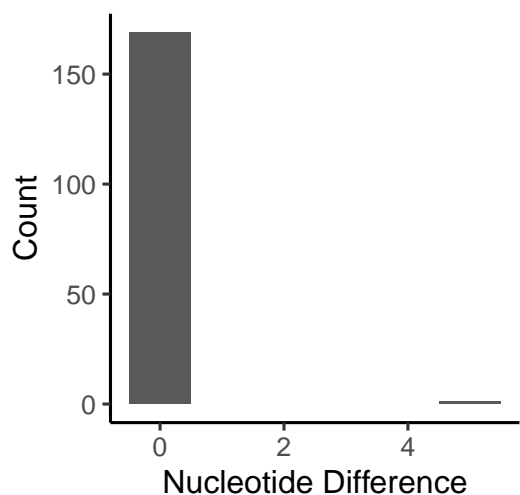
TRBV11-1*ap01

409 sequences assigned
408 (99.8%) exact matches, in which:
407 unique CDR3
13 unique J



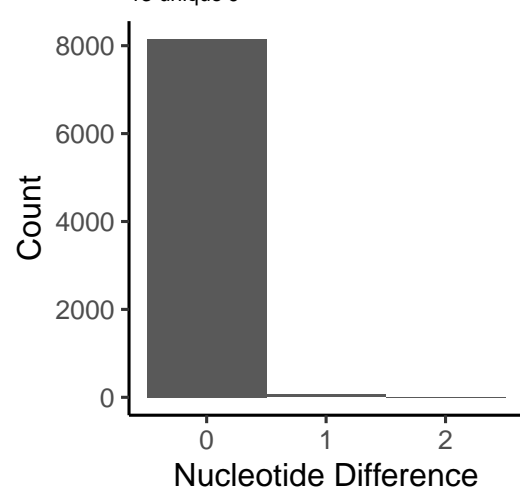
TRBV12-1*ap01

170 sequences assigned
169 (99.4%) exact matches, in which:
168 unique CDR3
13 unique J



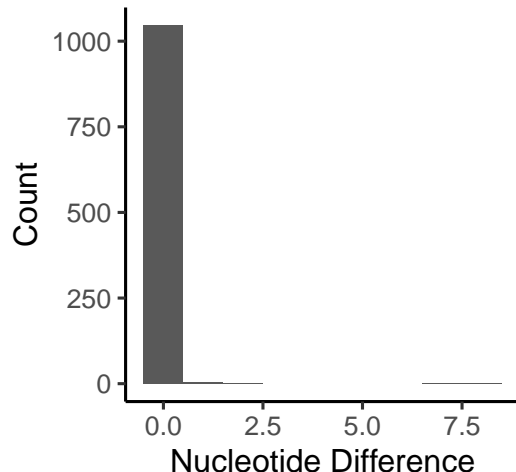
TRBV12-34*ap01

8216 sequences assigned
8151 (99.2%) exact matches, in which:
8089 unique CDR3
13 unique J



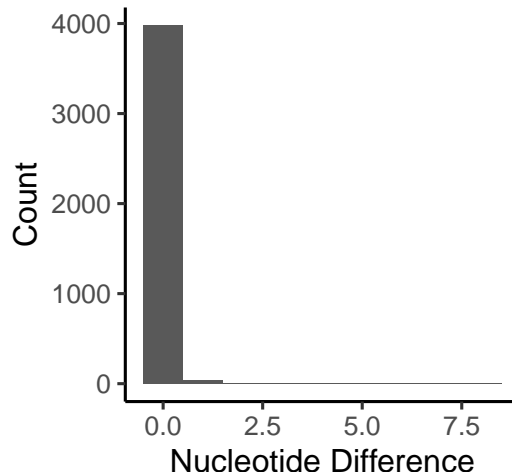
TRBV23-1*ap01

1054 sequences assigned
1046 (99.2%) exact matches, in which:
1040 unique CDR3
13 unique J



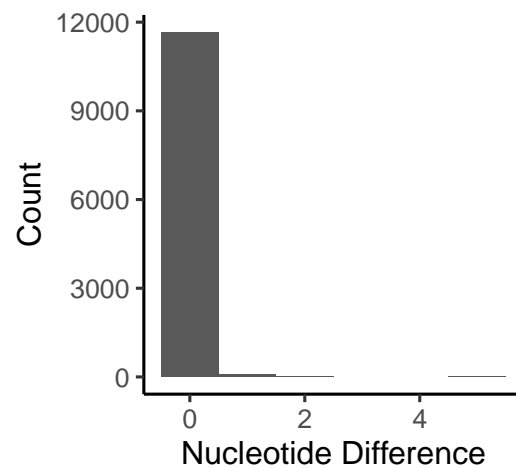
TRBV24-1*ap01

4026 sequences assigned
3979 (98.8%) exact matches, in which:
3939 unique CDR3
13 unique J



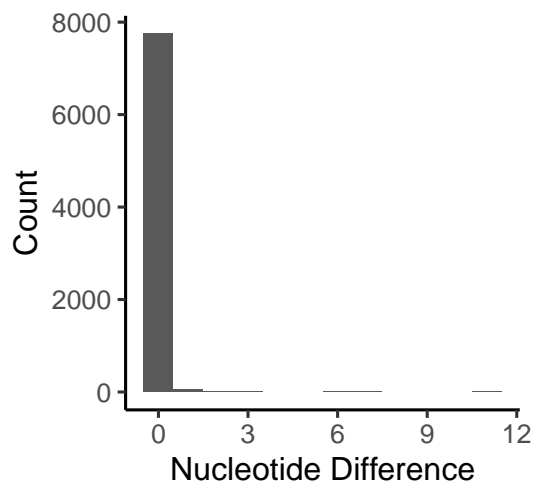
TRBV5-1*ap01

11766 sequences assigned
11662 (99.1%) exact matches, in which:
11472 unique CDR3
13 unique J



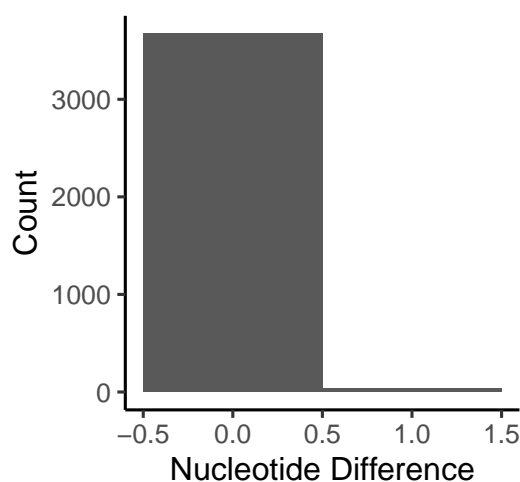
TRBV3-12*ap01

7802 sequences assigned
7749 (99.3%) exact matches, in which:
7666 unique CDR3
13 unique J



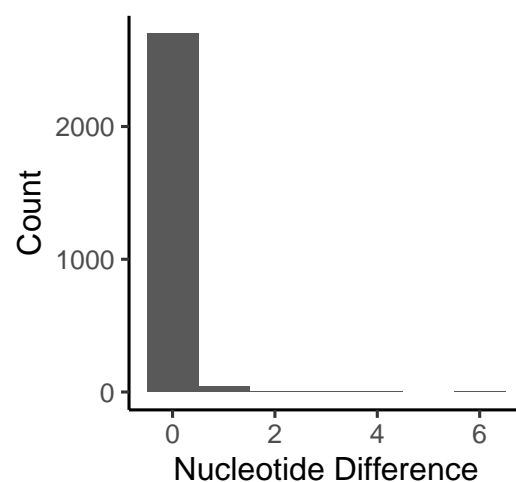
TRBV4-2*ap01

3709 sequences assigned
3672 (99%) exact matches, in which:
3637 unique CDR3
13 unique J



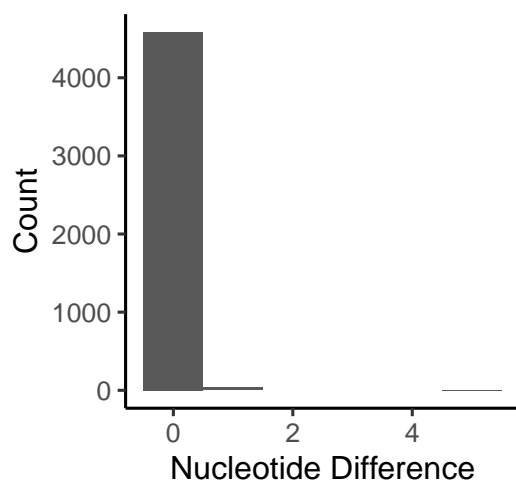
TRBV25-1*ap01

2747 sequences assigned
2699 (98.3%) exact matches, in which:
2655 unique CDR3
13 unique J



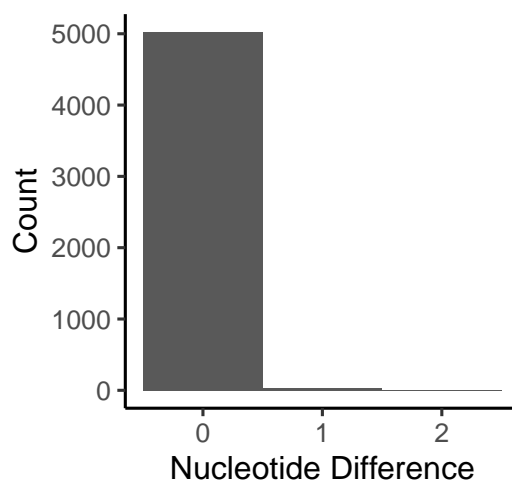
TRBV4-1*ap01

4621 sequences assigned
4585 (99.2%) exact matches, in which:
4524 unique CDR3
13 unique J



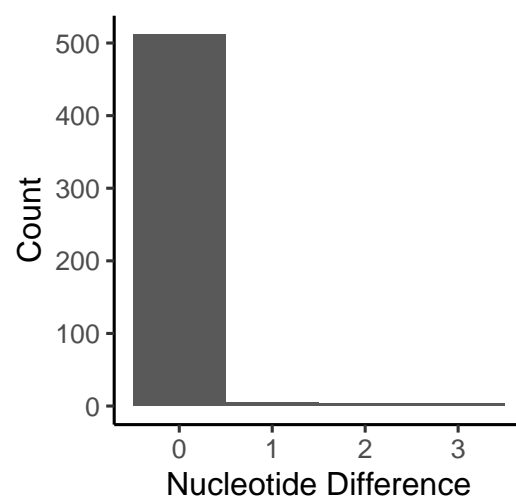
TRBV4-3*ap01

5060 sequences assigned
5024 (99.3%) exact matches, in which:
4967 unique CDR3
13 unique J



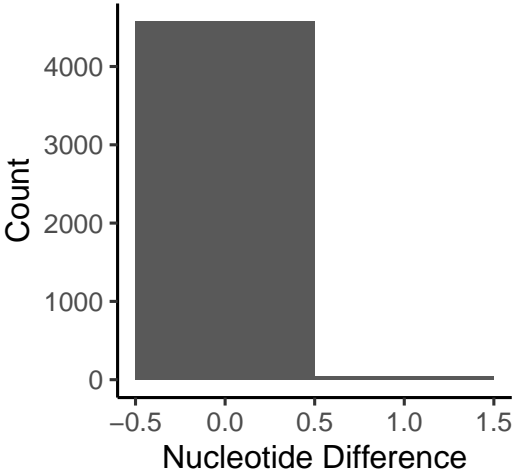
TRBV5-3*ap01

523 sequences assigned
512 (97.9%) exact matches, in which:
508 unique CDR3
13 unique J



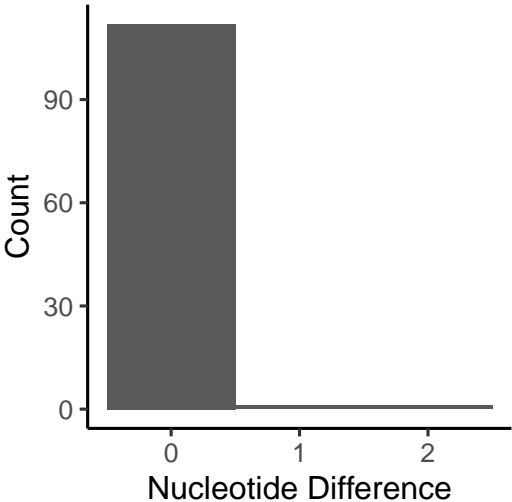
TRBV5-4*ap01

4622 sequences assigned
4576 (99%) exact matches, in which:
4522 unique CDR3
13 unique J



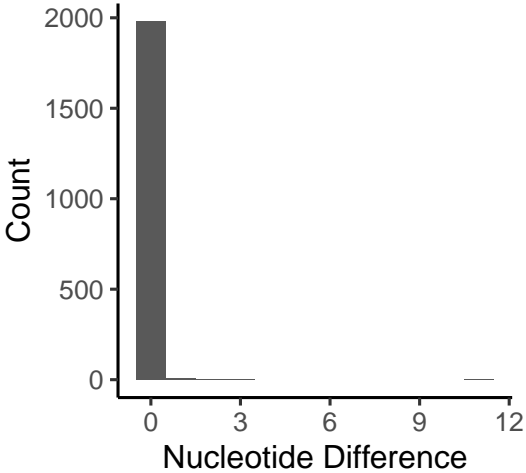
TRBV5-7*ap01

114 sequences assigned
112 (98.2%) exact matches, in which:
110 unique CDR3
13 unique J



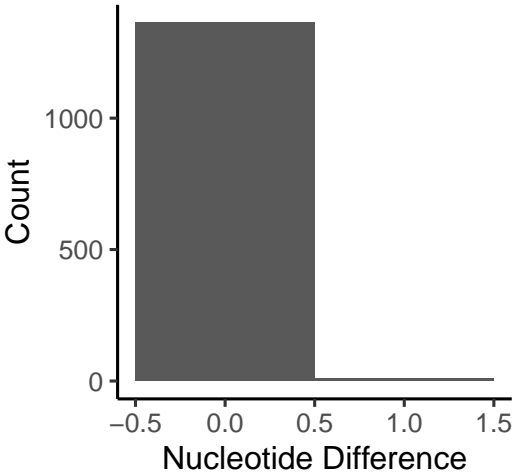
TRBV6-4*ap01

1996 sequences assigned
1980 (99.2%) exact matches, in which:
1965 unique CDR3
13 unique J



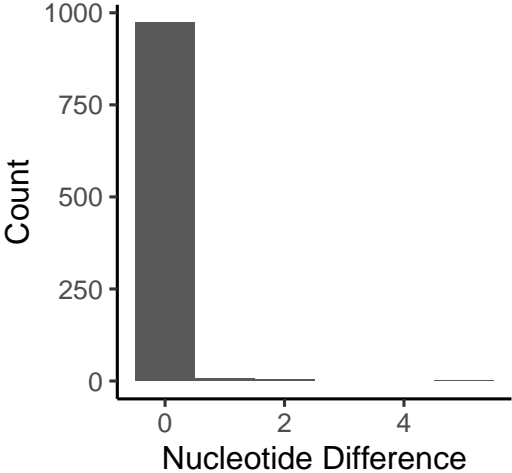
TRBV5-5*ap01

1371 sequences assigned
1363 (99.4%) exact matches, in which:
1355 unique CDR3
13 unique J



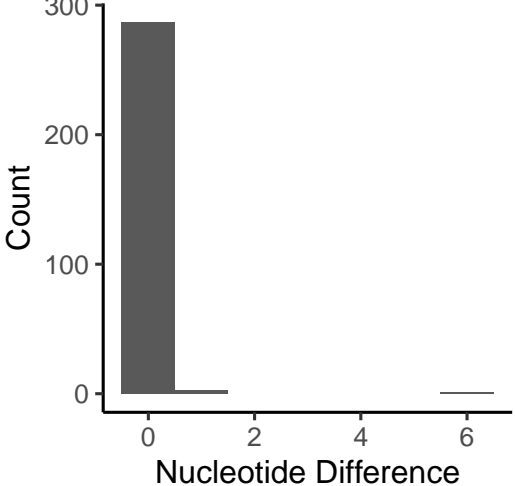
TRBV5-8*ap01

985 sequences assigned
973 (98.8%) exact matches, in which:
967 unique CDR3
13 unique J



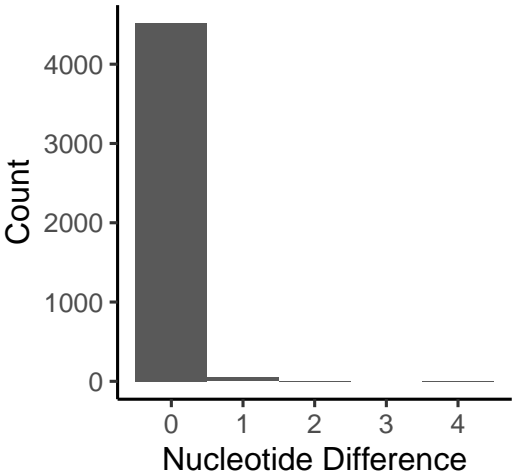
TRBV6-7*ap01

291 sequences assigned
287 (98.6%) exact matches, in which:
284 unique CDR3
13 unique J



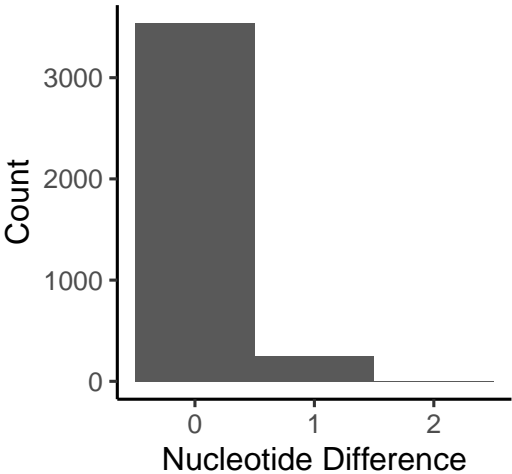
TRBV5-6*ap01

4567 sequences assigned
4519 (98.9%) exact matches, in which:
4423 unique CDR3
13 unique J



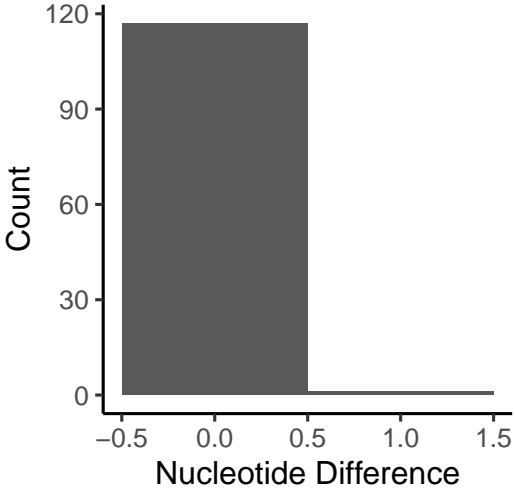
TRBV6-1*ap01

3790 sequences assigned
3540 (93.4%) exact matches, in which:
3489 unique CDR3
13 unique J



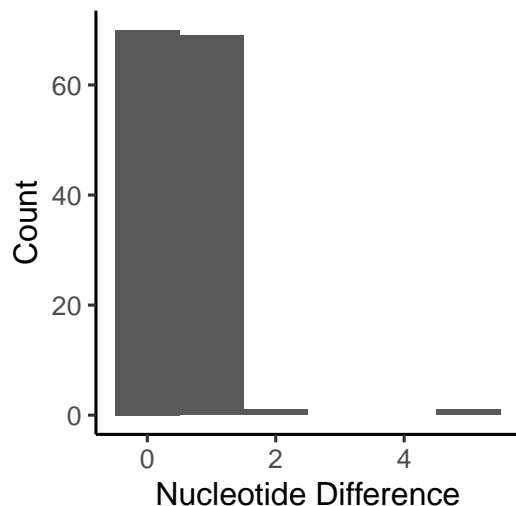
TRBV6-8*ap01

118 sequences assigned
117 (99.2%) exact matches, in which:
112 unique CDR3
13 unique J



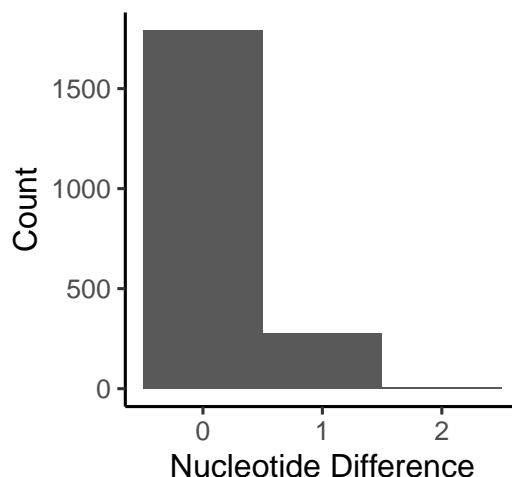
TRBV6-9*ap01

141 sequences assigned
70 (49.6%) exact matches, in which:
70 unique CDR3
13 unique J



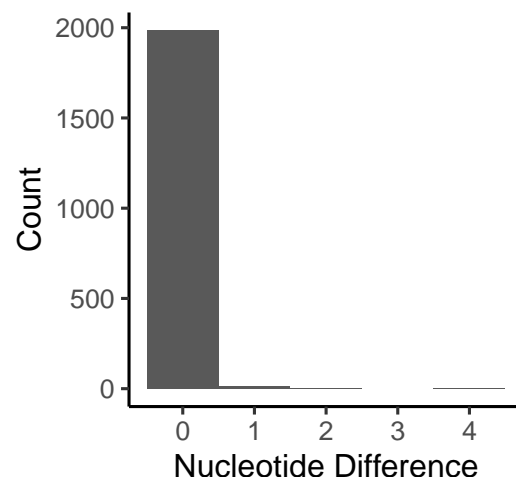
TRBV6-56*ap02

2074 sequences assigned
1791 (86.4%) exact matches, in which:
1769 unique CDR3
13 unique J



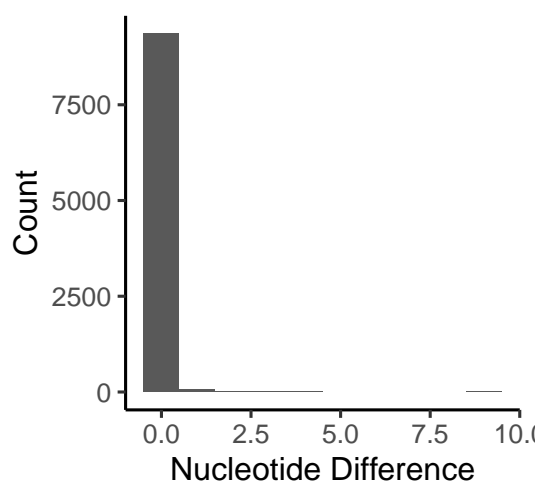
TRBV7-3*ap01

2001 sequences assigned
1985 (99.2%) exact matches, in which:
1973 unique CDR3
13 unique J



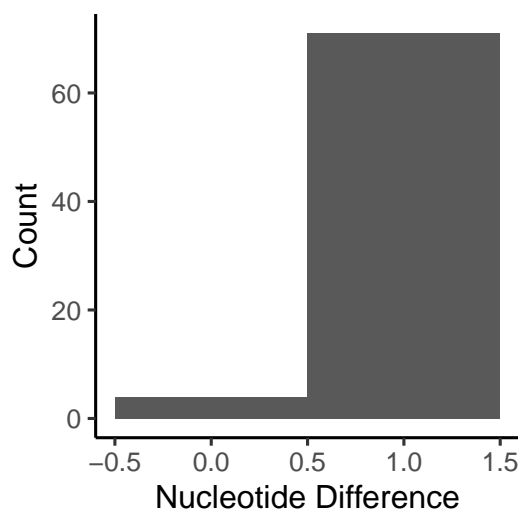
TRBV6-23*ap01

9437 sequences assigned
9355 (99.1%) exact matches, in which:
9207 unique CDR3
13 unique J



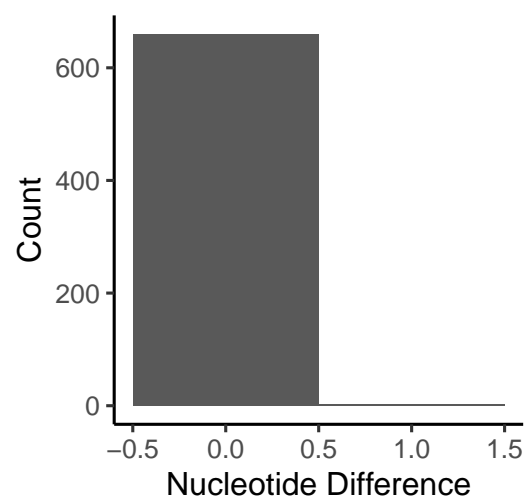
TRBV7-1*ap01_T296C

75 sequences assigned
4 (5.3%) exact matches, in which:
4 unique CDR3
3 unique J



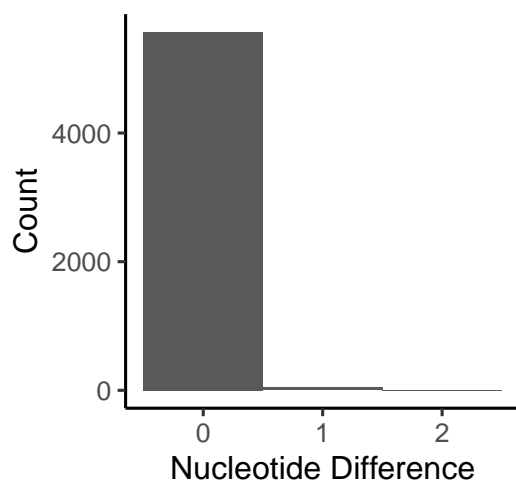
TRBV7-3*ap02

663 sequences assigned
660 (99.5%) exact matches, in which:
654 unique CDR3
13 unique J



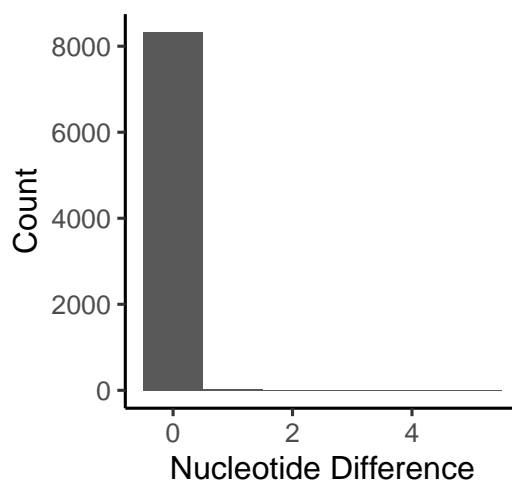
TRBV6-56*ap01

5617 sequences assigned
5570 (99.2%) exact matches, in which:
5490 unique CDR3
13 unique J



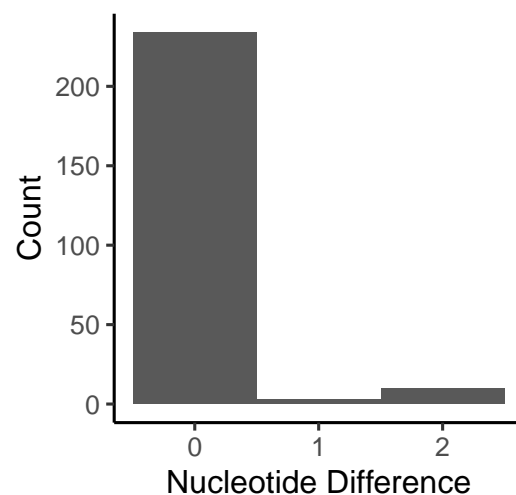
TRBV7-2*ap01

8371 sequences assigned
8329 (99.5%) exact matches, in which:
8266 unique CDR3
13 unique J



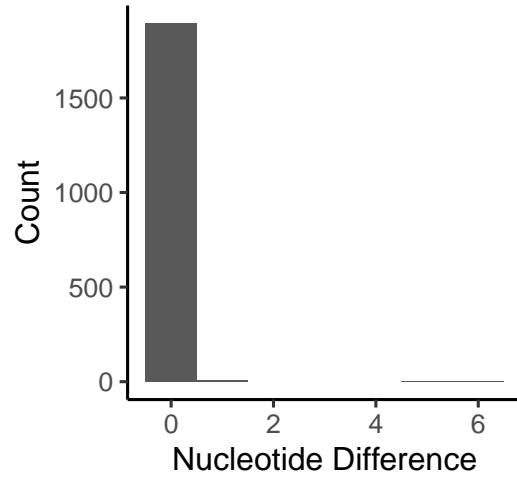
TRBV7-4*ap01

247 sequences assigned
234 (94.7%) exact matches, in which:
234 unique CDR3
13 unique J



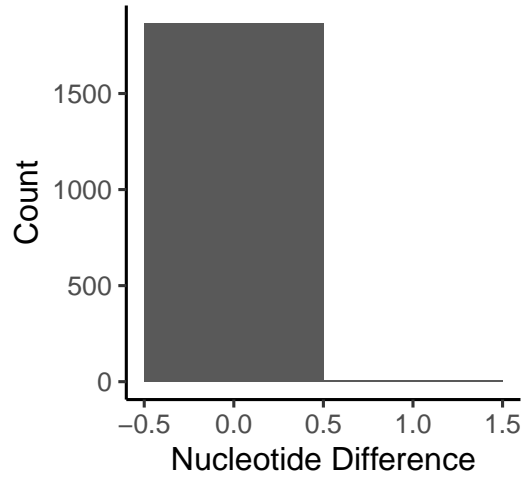
TRBV7-6*ap01

1904 sequences assigned
1894 (99.5%) exact matches, in which:
1877 unique CDR3
13 unique J



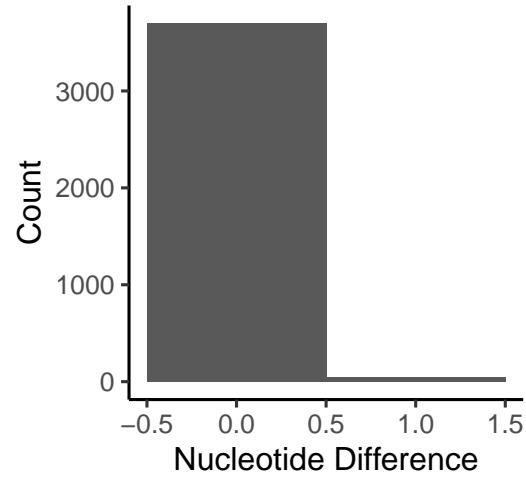
TRBV7-8*ap01

1874 sequences assigned
1865 (99.5%) exact matches, in which:
1847 unique CDR3
13 unique J



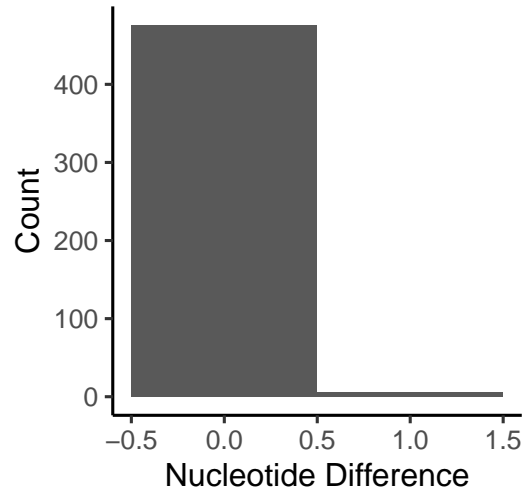
TRBV29-1*ap01

3745 sequences assigned
3697 (98.7%) exact matches, in which:
3640 unique CDR3
13 unique J



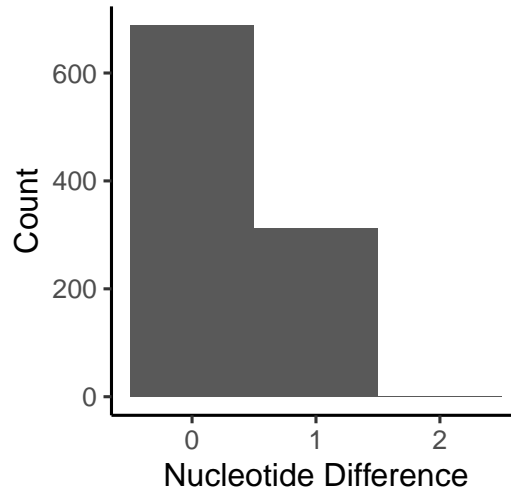
TRBV7-7*ap01

482 sequences assigned
476 (98.8%) exact matches, in which:
471 unique CDR3
13 unique J



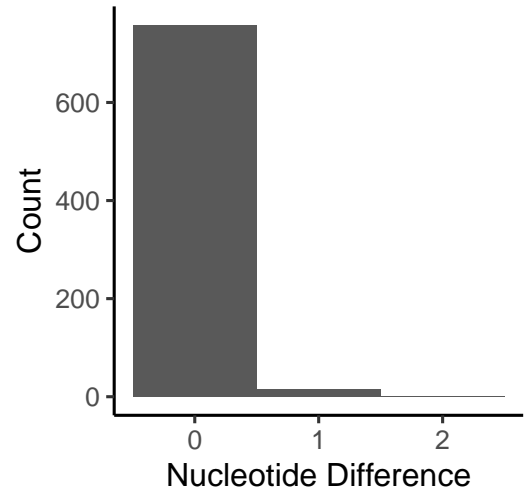
TRBV7-8*ap03

1003 sequences assigned
689 (68.7%) exact matches, in which:
683 unique CDR3
13 unique J



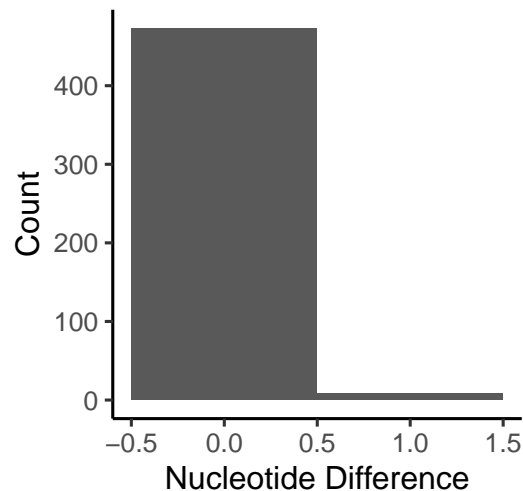
TRBV29-1*ap02

774 sequences assigned
758 (97.9%) exact matches, in which:
739 unique CDR3
13 unique J



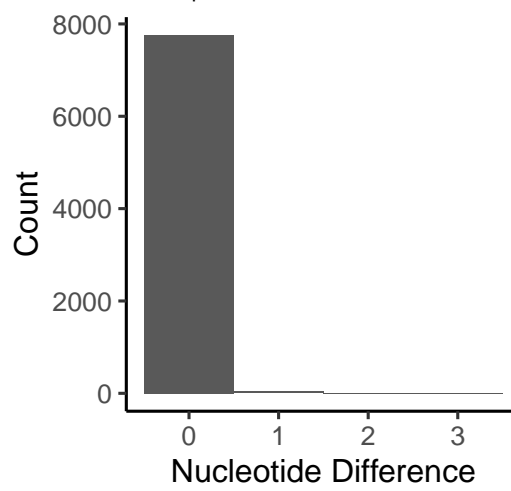
TRBV7-7*ap01_C315T

481 sequences assigned
473 (98.3%) exact matches, in which:
468 unique CDR3
13 unique J

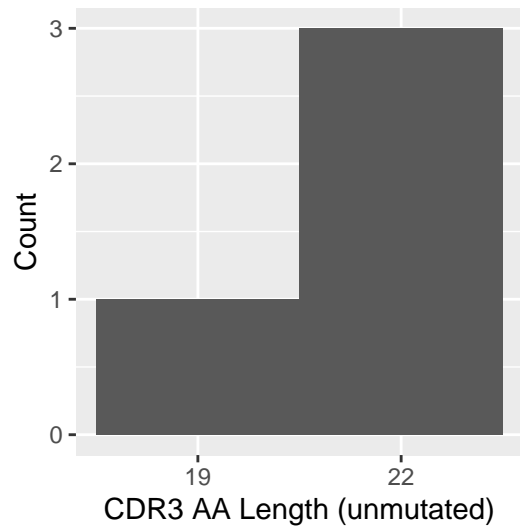


TRBV7-9*ap01

7804 sequences assigned
7759 (99.4%) exact matches, in which:
7700 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

