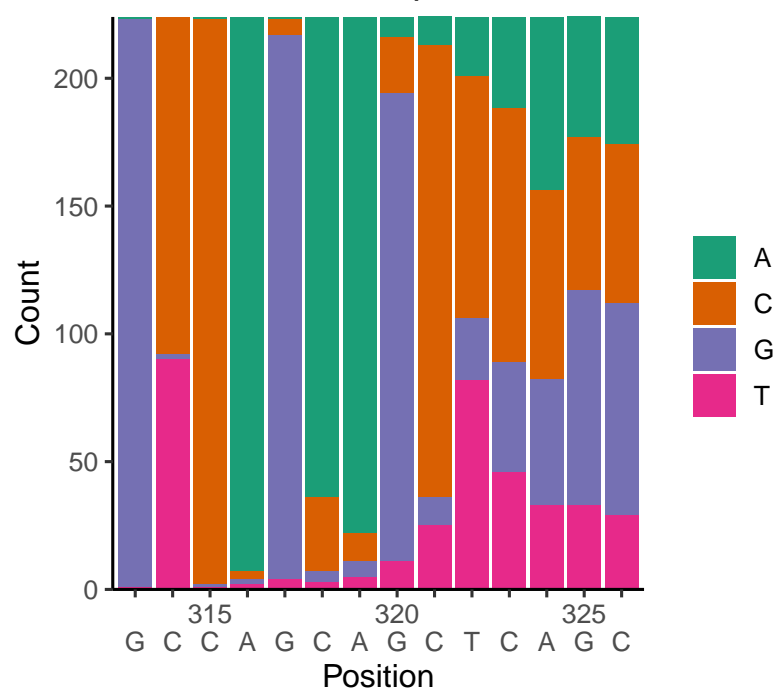
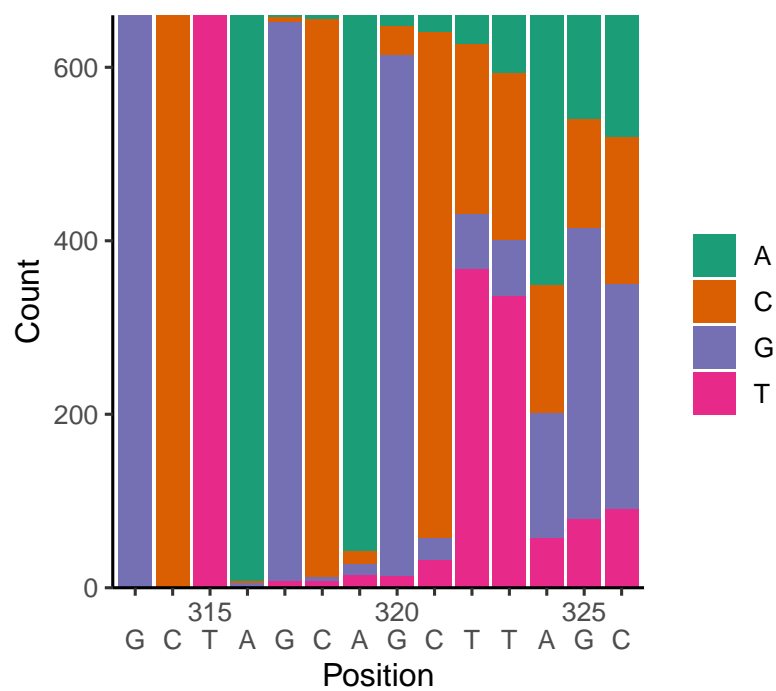


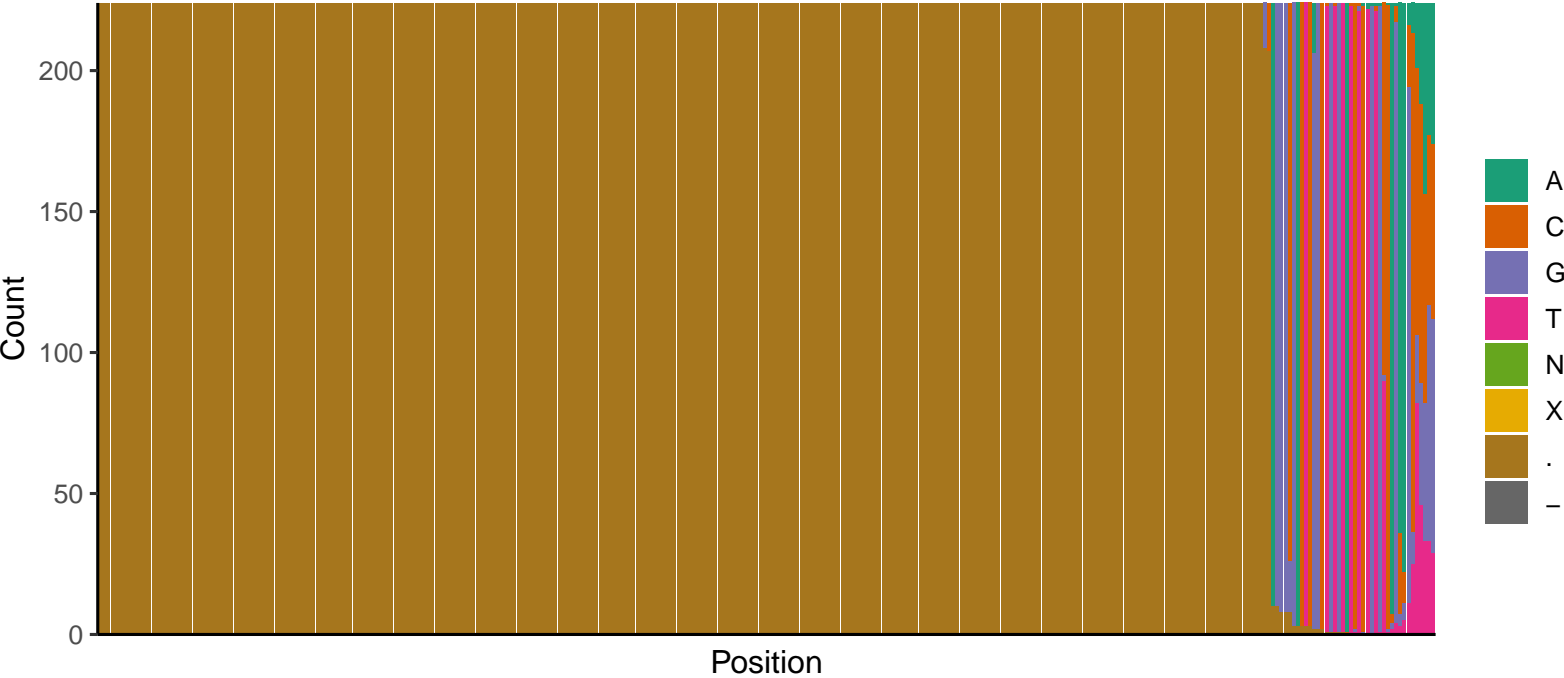
Gene TRBV7-1*ap01_T296C



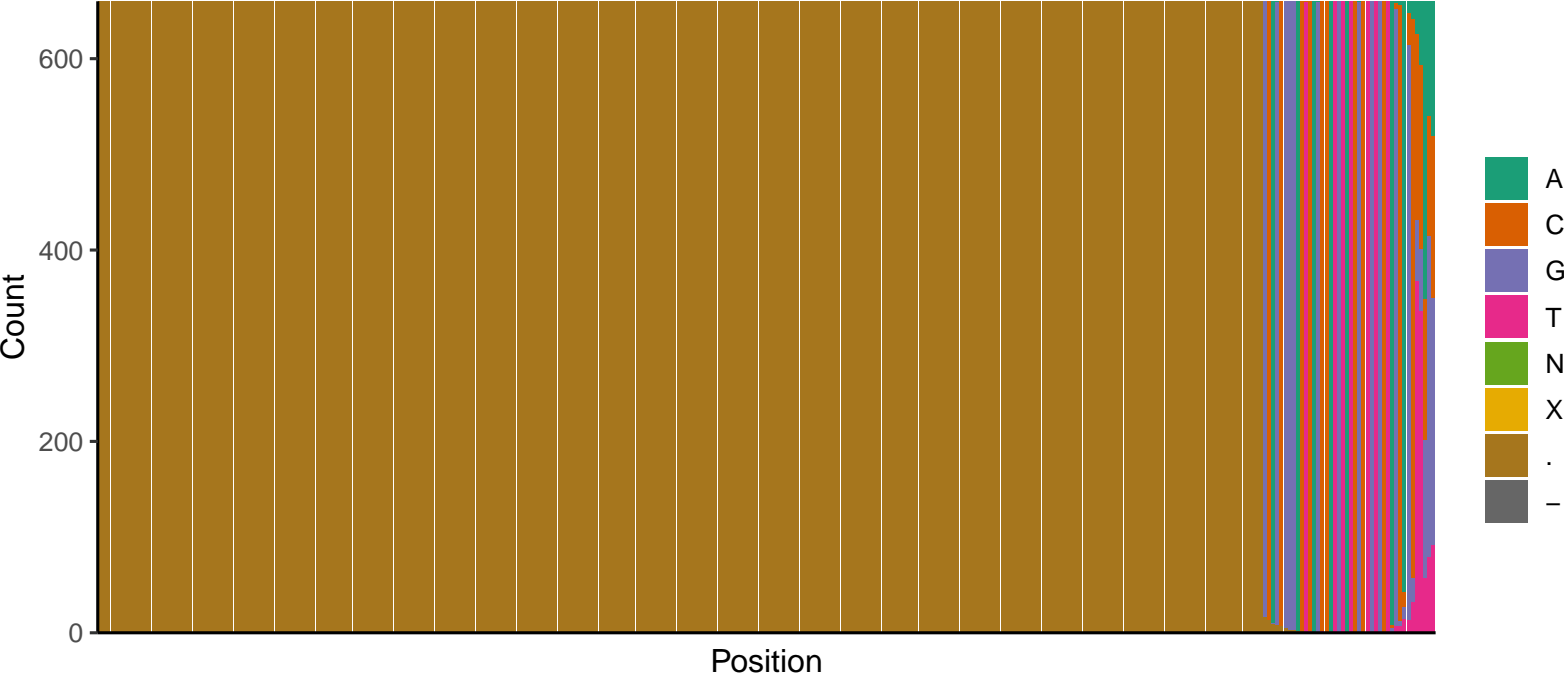
Gene TRBV7-7*ap01_C315T



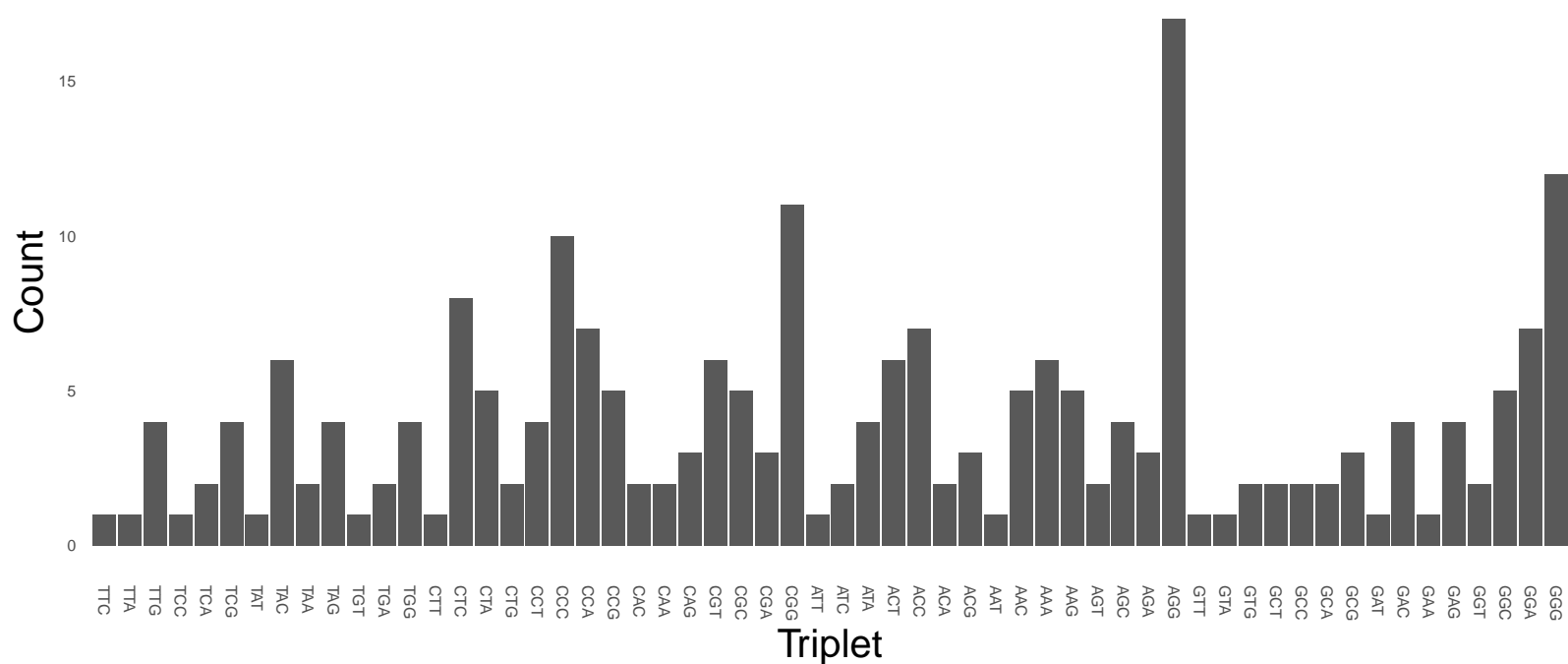
Gene TRBV7-1*ap01_T296C



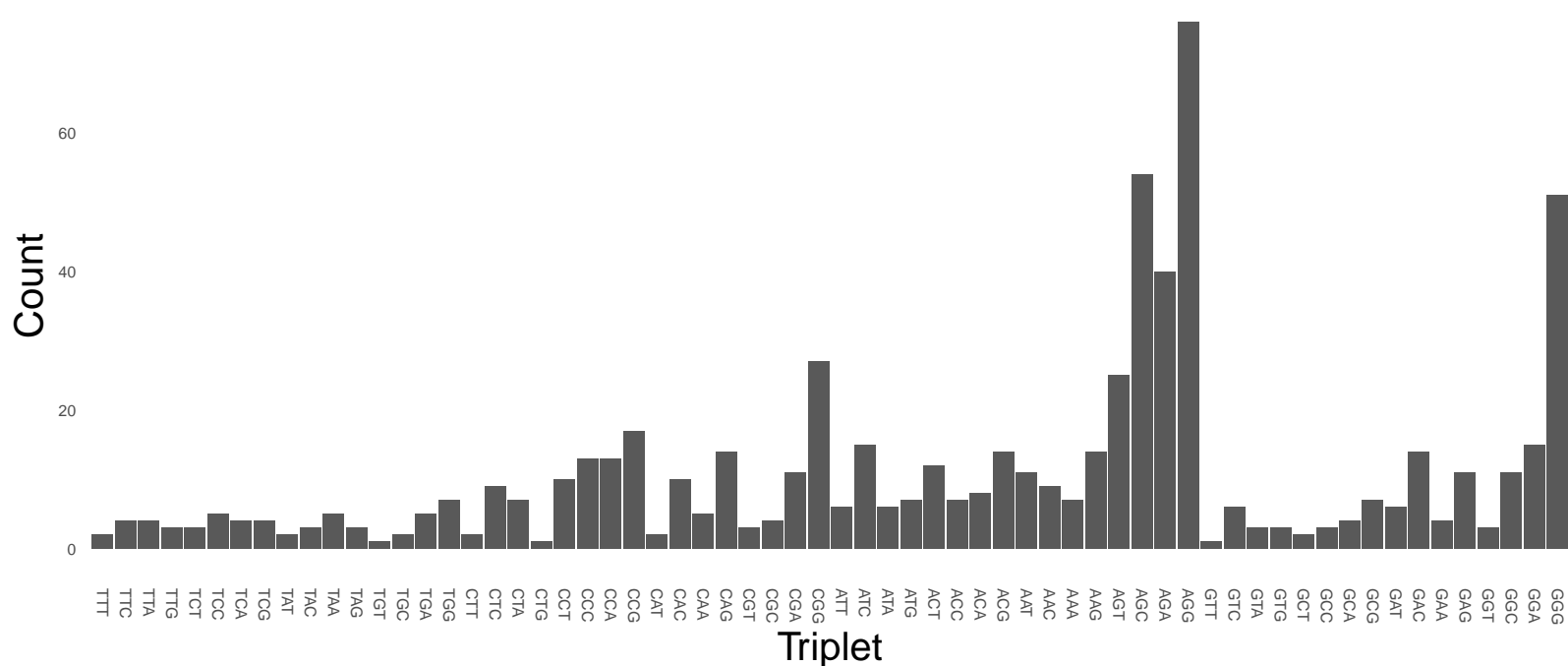
Gene TRBV7-7*ap01_C315T



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

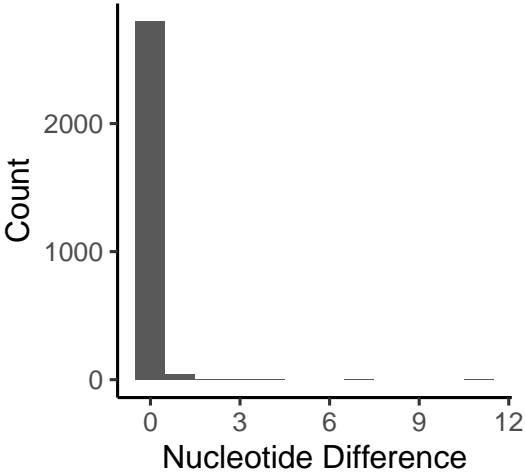


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



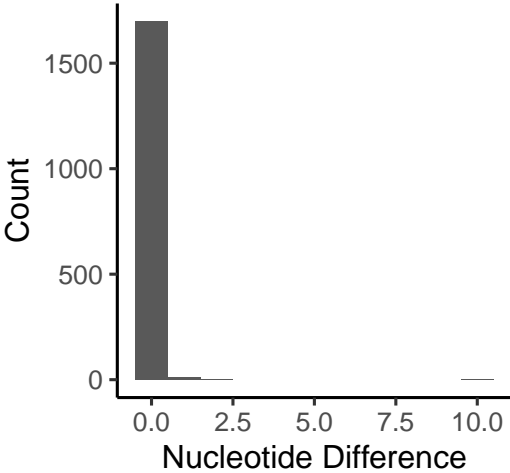
TRBV10-1*ap01

2850 sequences assigned
2798 (98.2%) exact matches, in which:
2748 unique CDR3
13 unique J



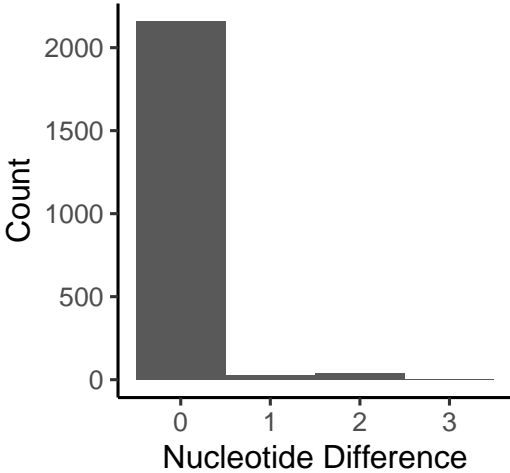
TRBV10-2*ap01

1713 sequences assigned
1698 (99.1%) exact matches, in which:
1656 unique CDR3
13 unique J



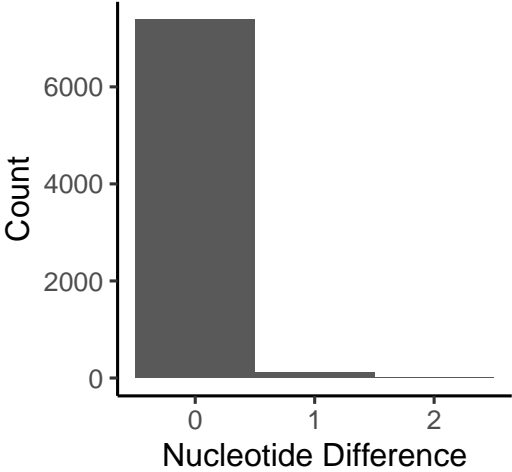
TRBV13*ap01

2221 sequences assigned
2158 (97.2%) exact matches, in which:
2104 unique CDR3
13 unique J



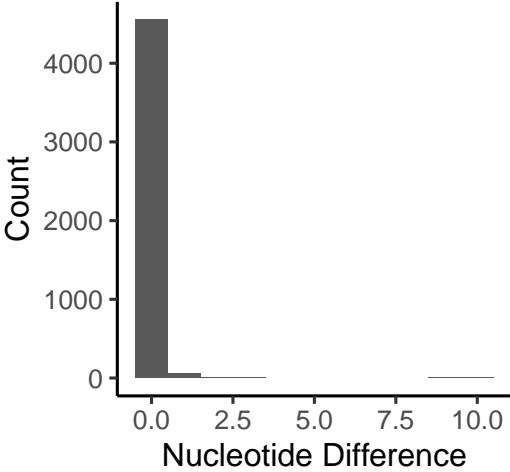
TRBV20-1*ap01

7493 sequences assigned
7383 (98.5%) exact matches, in which:
7259 unique CDR3
13 unique J



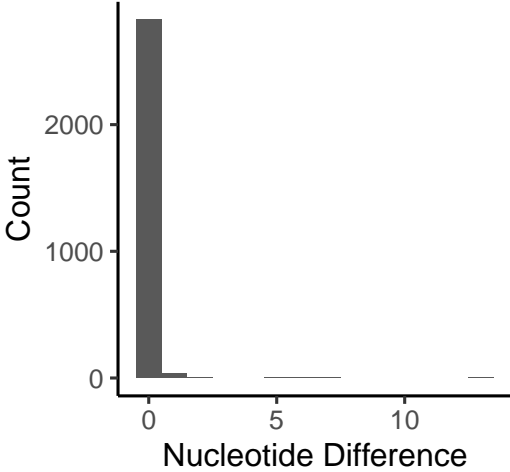
TRBV10-3*ap01

4621 sequences assigned
4553 (98.5%) exact matches, in which:
4455 unique CDR3
13 unique J



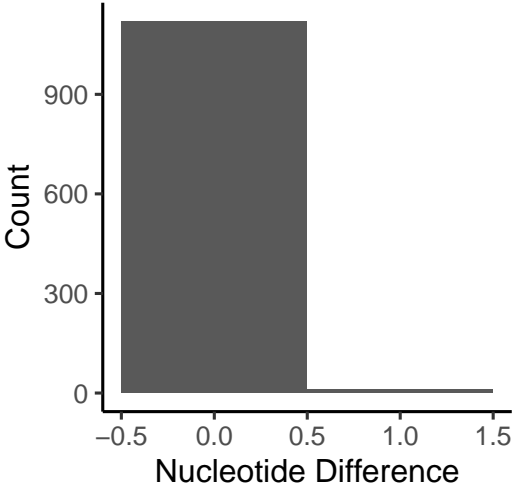
TRBV14*ap01

2872 sequences assigned
2828 (98.5%) exact matches, in which:
2789 unique CDR3
13 unique J



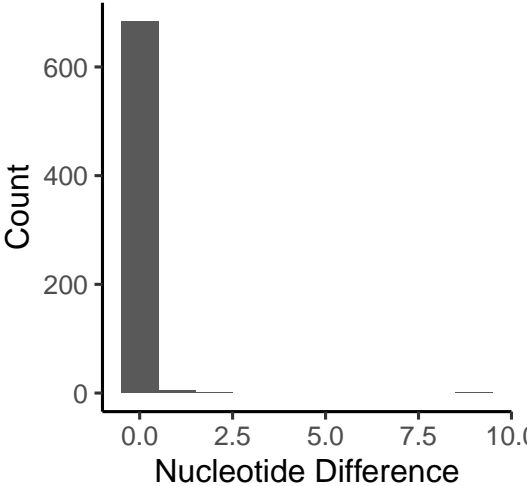
TRBV20-1*ap02

1130 sequences assigned
1120 (99.1%) exact matches, in which:
1103 unique CDR3
13 unique J



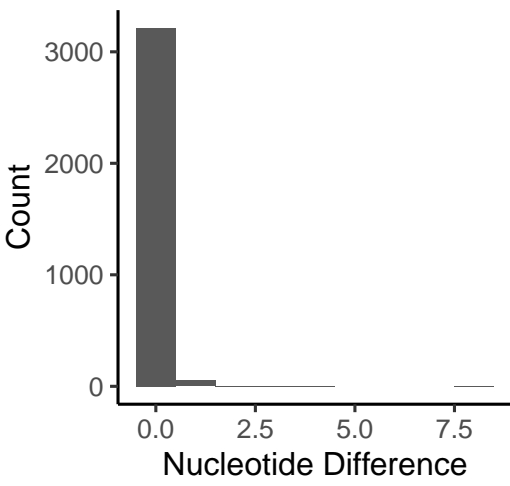
TRBV1*ap01

691 sequences assigned
684 (99%) exact matches, in which:
675 unique CDR3
13 unique J



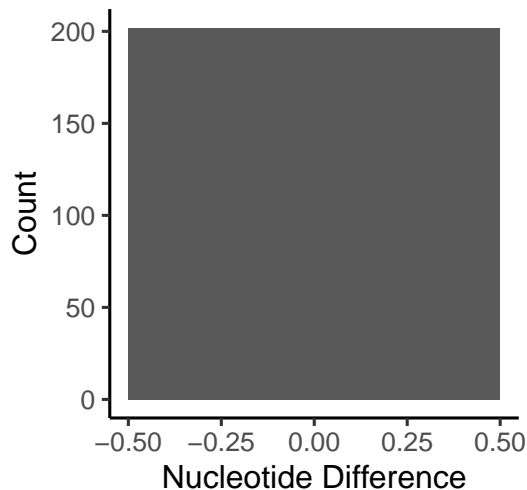
TRBV15*ap02

3274 sequences assigned
3213 (98.1%) exact matches, in which:
3142 unique CDR3
13 unique J



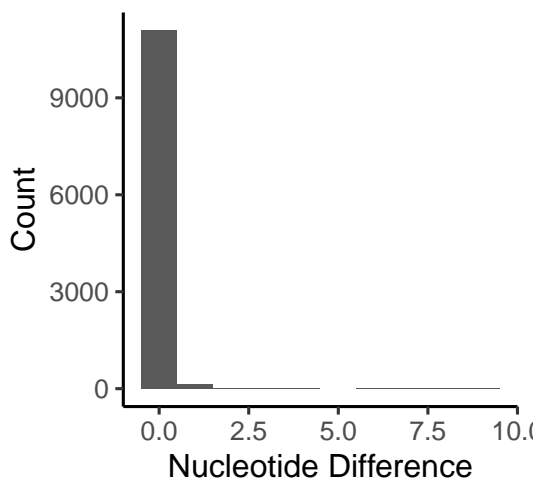
TRBV16*ap01

202 sequences assigned
202 (100%) exact matches, in which:
202 unique CDR3
13 unique J



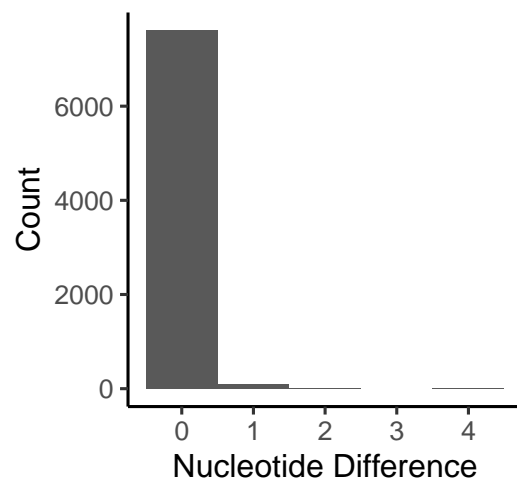
TRBV19*ap01

11253 sequences assigned
11086 (98.5%) exact matches, in which:
10926 unique CDR3
13 unique J



TRBV28*ap01

7704 sequences assigned
7609 (98.8%) exact matches, in which:
7465 unique CDR3
13 unique J



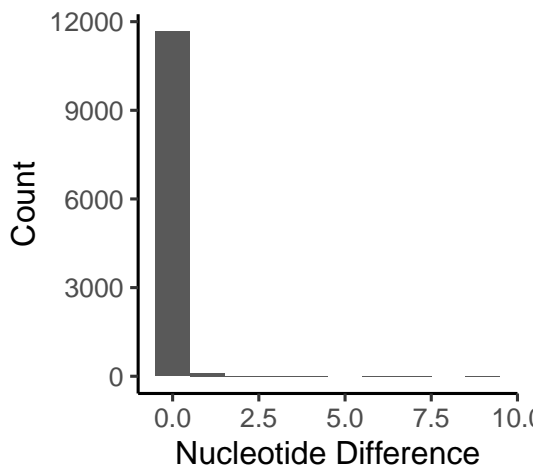
TRBV17*ap01

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



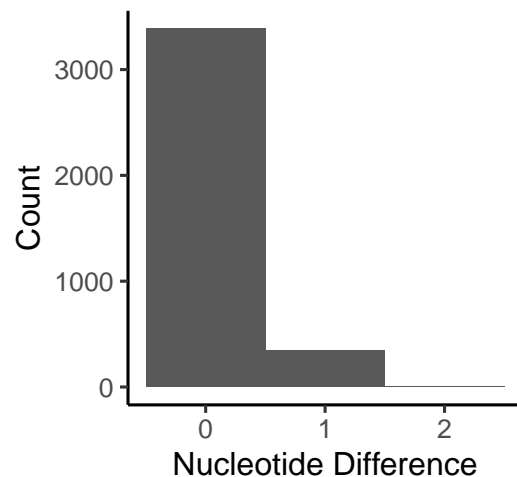
TRBV2*ap01

11797 sequences assigned
11668 (98.9%) exact matches, in which:
11459 unique CDR3
13 unique J



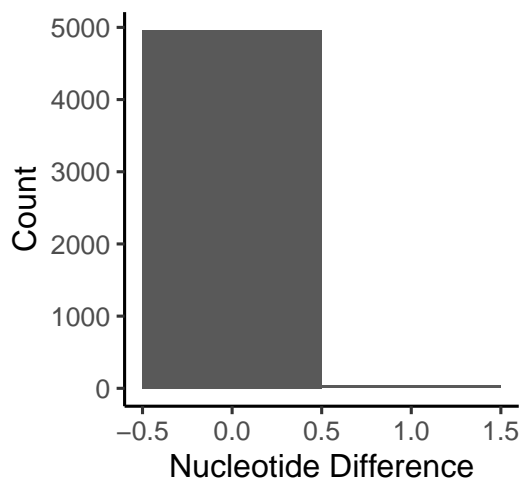
TRBV30*ap01

3733 sequences assigned
3386 (90.7%) exact matches, in which:
3349 unique CDR3
13 unique J



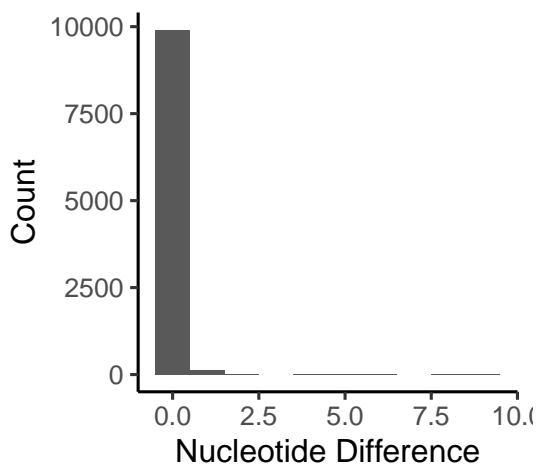
TRBV18*ap01

5000 sequences assigned
4963 (99.3%) exact matches, in which:
4887 unique CDR3
13 unique J



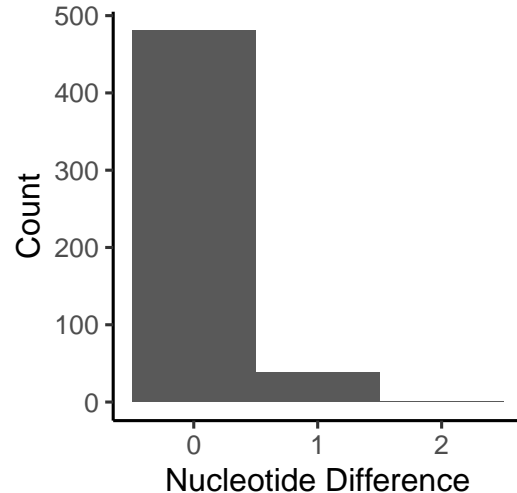
TRBV27*ap01

10062 sequences assigned
9910 (98.5%) exact matches, in which:
9697 unique CDR3
13 unique J



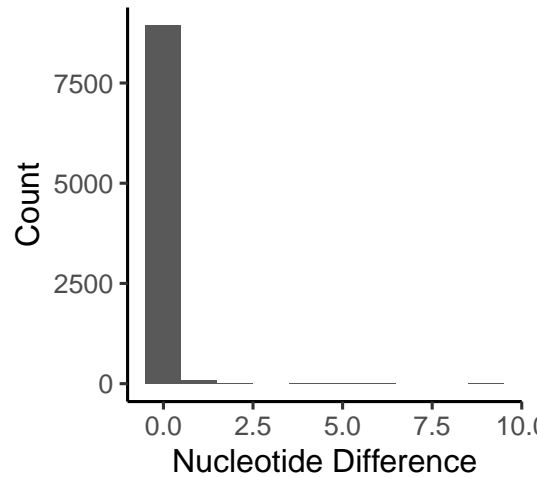
TRBV30*ap03

520 sequences assigned
481 (92.5%) exact matches, in which:
473 unique CDR3
13 unique J



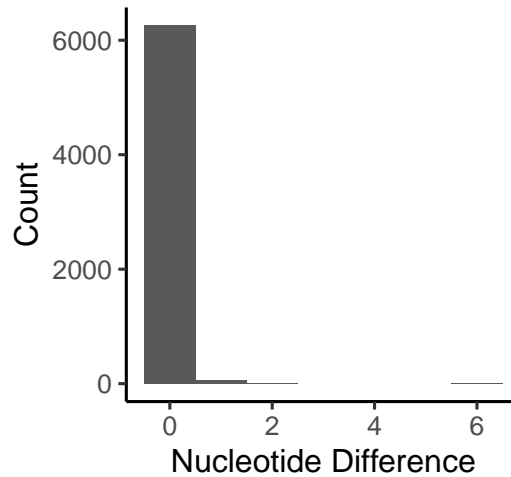
TRBV9*ap01

9042 sequences assigned
8937 (98.8%) exact matches, in which:
8781 unique CDR3
13 unique J



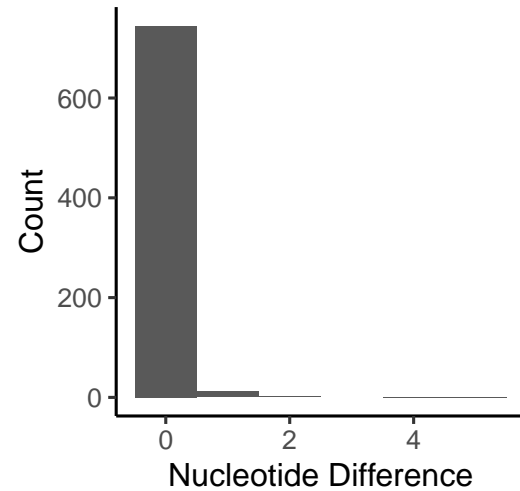
TRBV11-2*ap01

6319 sequences assigned
6259 (99.1%) exact matches, in which:
6136 unique CDR3
13 unique J



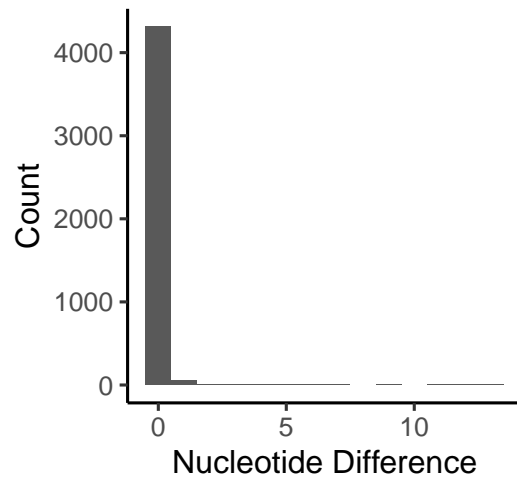
TRBV12-2*ap01

761 sequences assigned
745 (97.9%) exact matches, in which:
736 unique CDR3
13 unique J



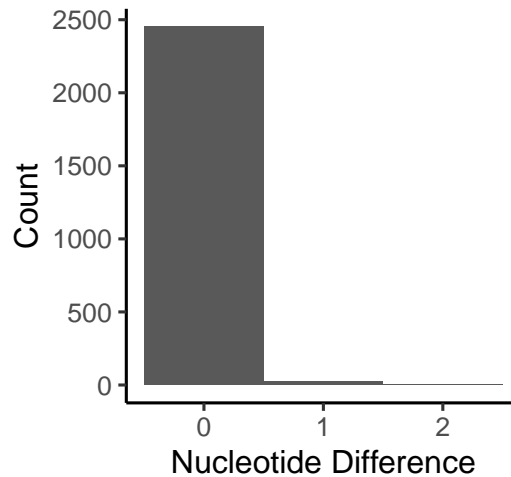
TRBV21-1*ap01

4395 sequences assigned
4312 (98.1%) exact matches, in which:
4251 unique CDR3
13 unique J



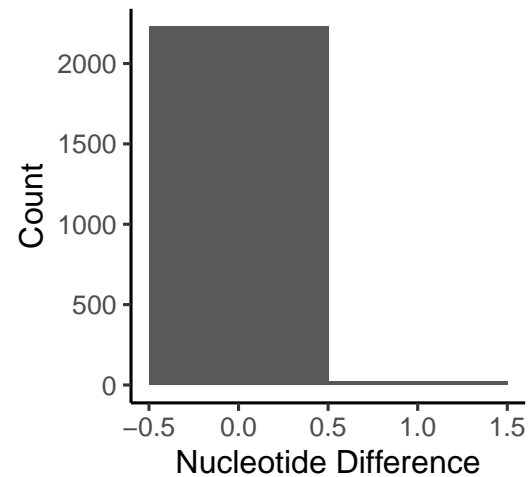
TRBV11-3*ap01

2481 sequences assigned
2452 (98.8%) exact matches, in which:
2415 unique CDR3
13 unique J



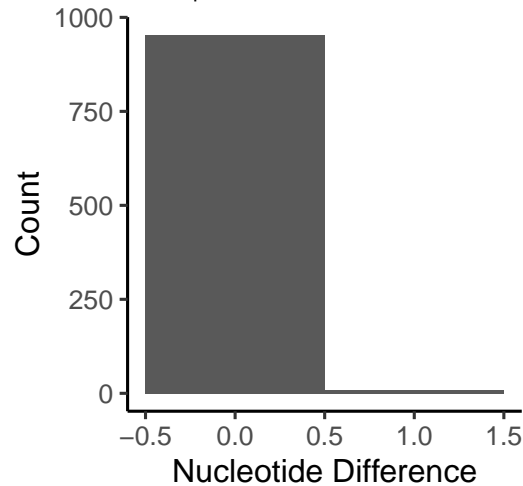
TRBV12-5*ap01

2250 sequences assigned
2229 (99.1%) exact matches, in which:
2188 unique CDR3
13 unique J



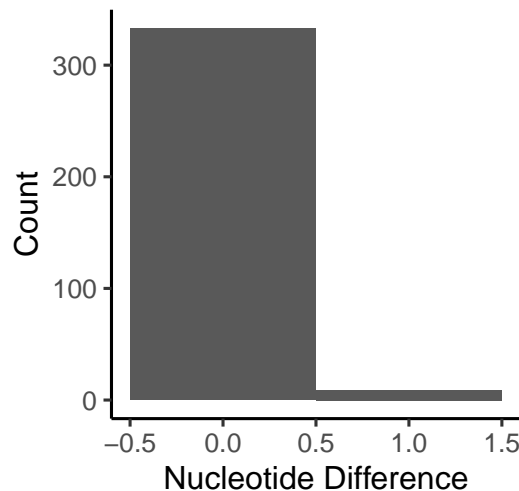
TRBV11-1*ap01

961 sequences assigned
953 (99.2%) exact matches, in which:
929 unique CDR3
13 unique J



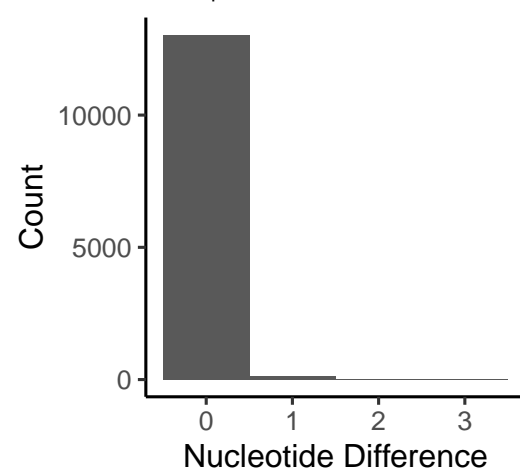
TRBV12-1*ap01

342 sequences assigned
333 (97.4%) exact matches, in which:
328 unique CDR3
13 unique J



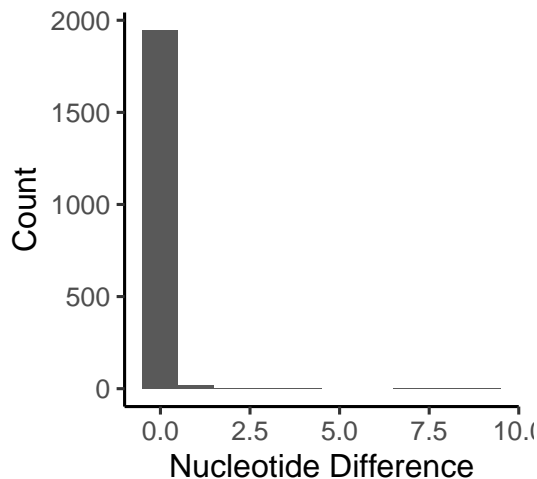
TRBV12-34*ap01

13182 sequences assigned
13036 (98.9%) exact matches, in which:
12787 unique CDR3
13 unique J



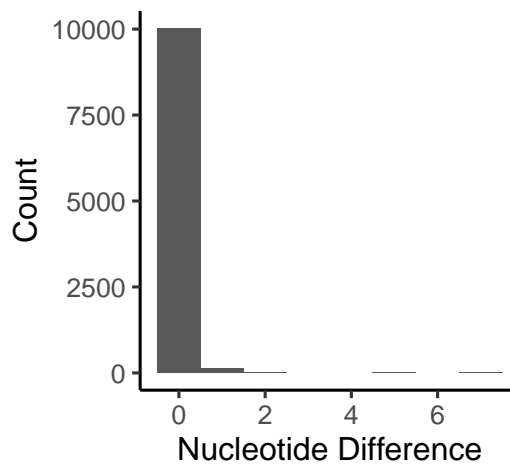
TRBV23-1*ap01

1969 sequences assigned
1945 (98.8%) exact matches, in which:
1897 unique CDR3
13 unique J



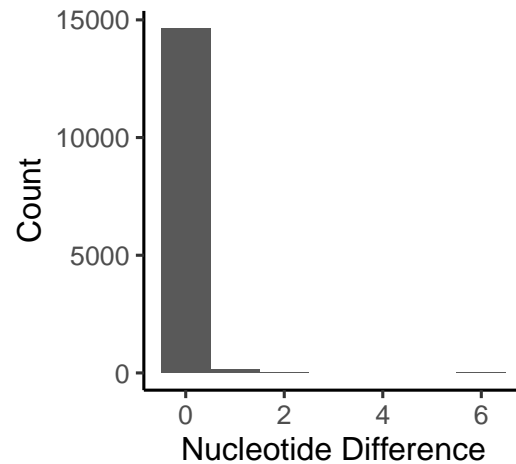
TRBV4-1*ap01

10153 sequences assigned
10027 (98.8%) exact matches, in which:
9836 unique CDR3
13 unique J



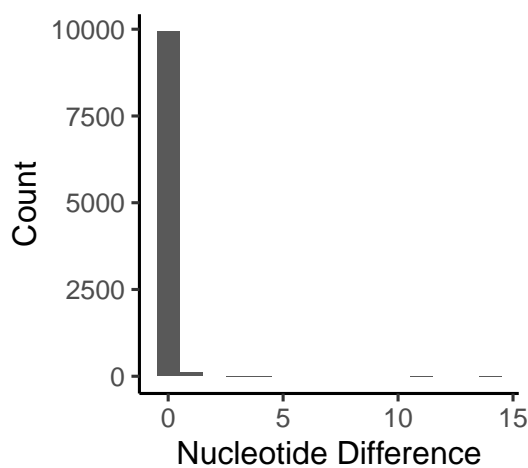
TRBV5-1*ap01

14807 sequences assigned
14648 (98.9%) exact matches, in which:
14323 unique CDR3
13 unique J



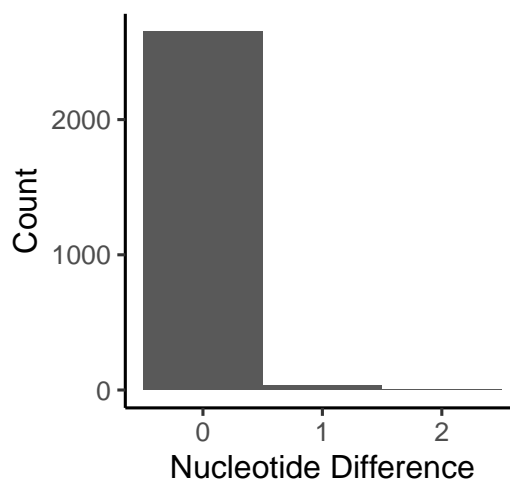
TRBV3-12*ap01

10053 sequences assigned
9935 (98.8%) exact matches, in which:
9752 unique CDR3
13 unique J



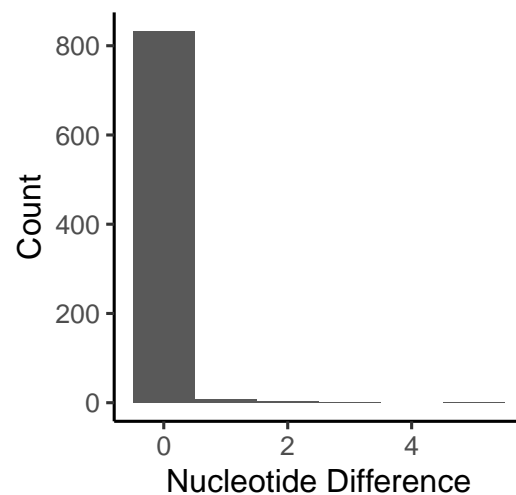
TRBV4-2*ap01

2687 sequences assigned
2650 (98.6%) exact matches, in which:
2601 unique CDR3
13 unique J



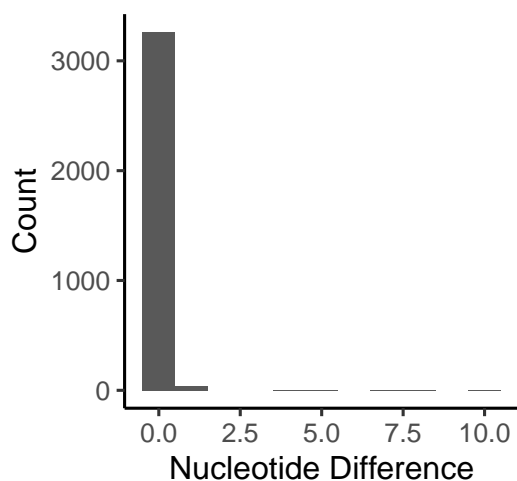
TRBV5-3*ap01

846 sequences assigned
833 (98.5%) exact matches, in which:
813 unique CDR3
13 unique J



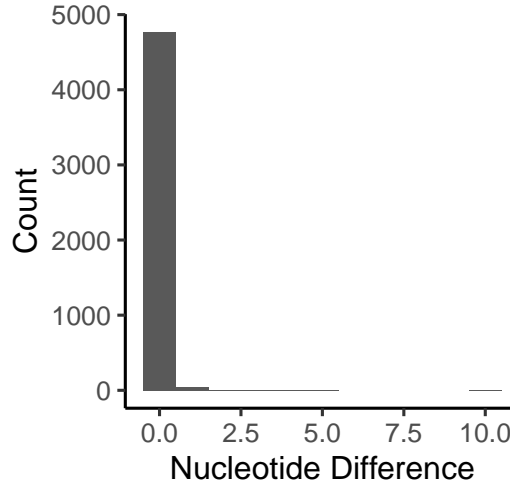
TRBV24-1*ap01

3311 sequences assigned
3262 (98.5%) exact matches, in which:
3211 unique CDR3
13 unique J



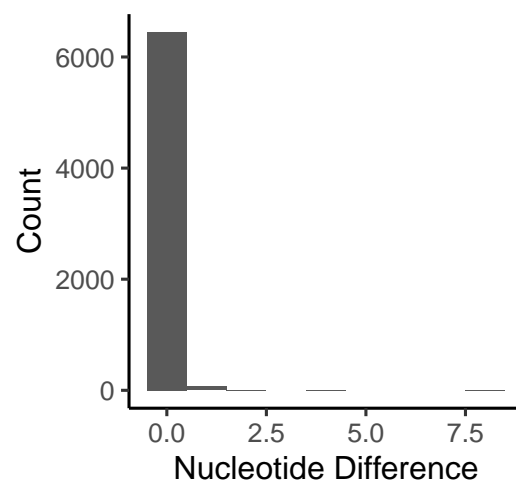
TRBV25-1*ap01

4827 sequences assigned
4768 (98.8%) exact matches, in which:
4699 unique CDR3
13 unique J



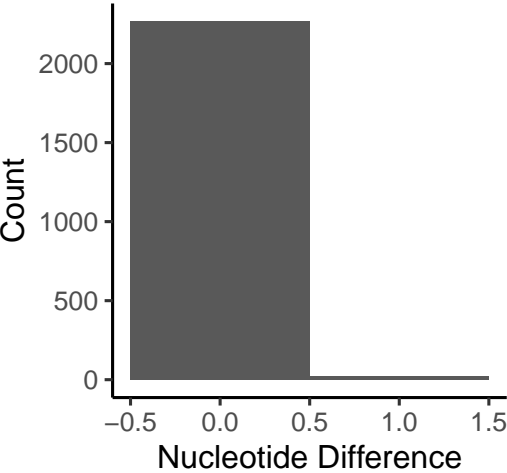
TRBV5-4*ap01

6523 sequences assigned
6449 (98.9%) exact matches, in which:
6318 unique CDR3
13 unique J



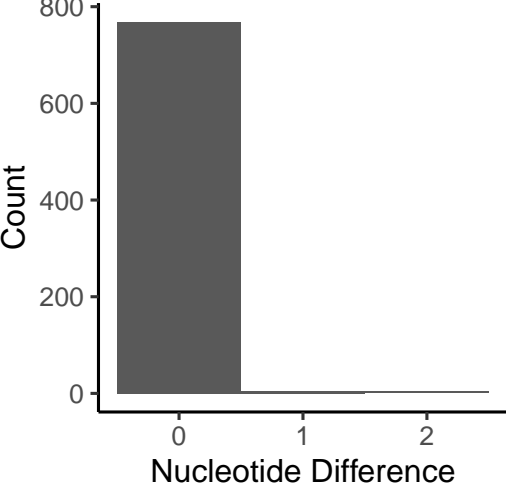
TRBV5-5*ap01

2287 sequences assigned
2267 (99.1%) exact matches, in which:
2226 unique CDR3
13 unique J



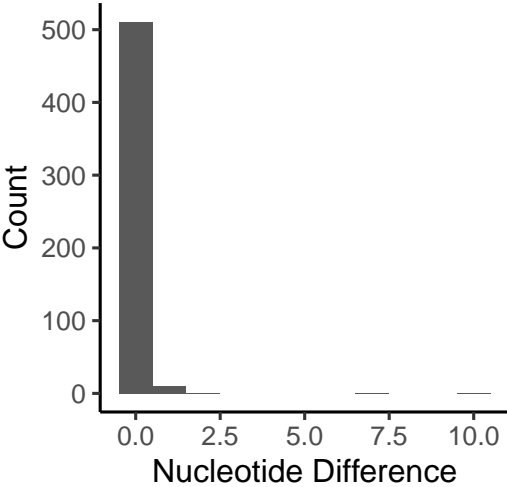
TRBV5-8*ap01

778 sequences assigned
769 (98.8%) exact matches, in which:
753 unique CDR3
13 unique J



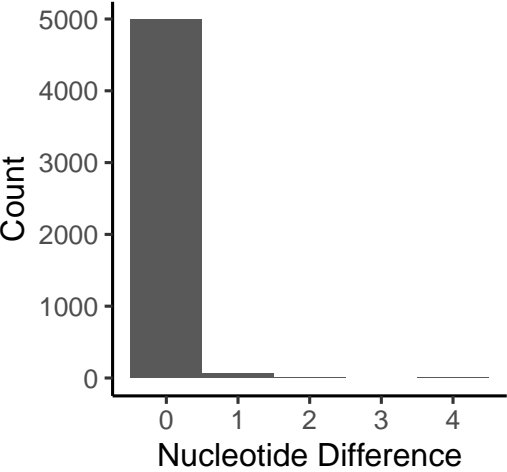
TRBV6-7*ap01

524 sequences assigned
511 (97.5%) exact matches, in which:
498 unique CDR3
13 unique J



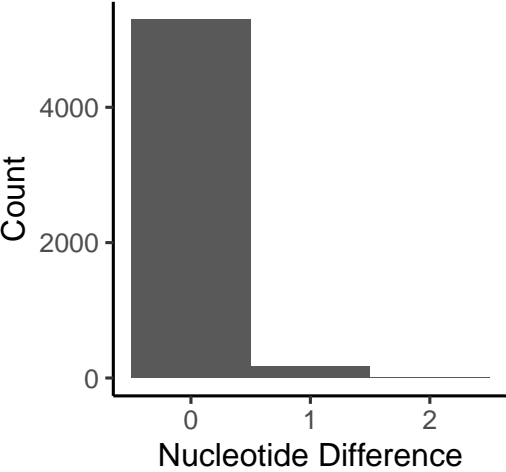
TRBV5-6*ap01

5051 sequences assigned
4990 (98.8%) exact matches, in which:
4902 unique CDR3
13 unique J



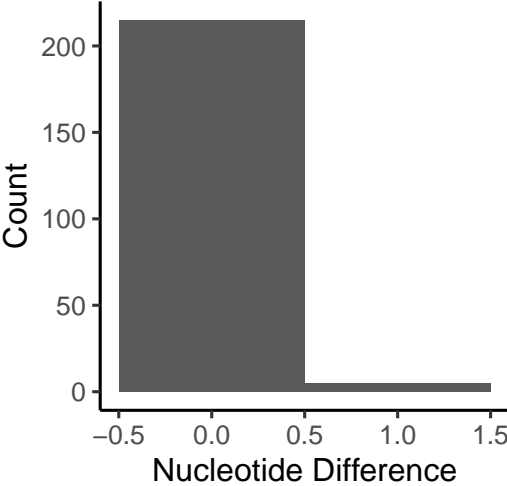
TRBV6-1*ap01

5463 sequences assigned
5294 (96.9%) exact matches, in which:
5185 unique CDR3
14 unique J



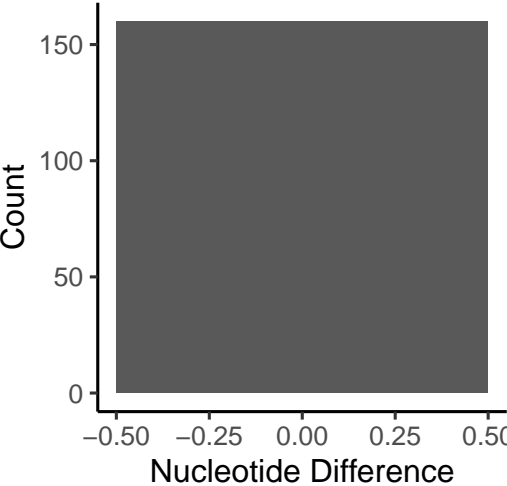
TRBV6-8*ap01

220 sequences assigned
215 (97.7%) exact matches, in which:
215 unique CDR3
13 unique J



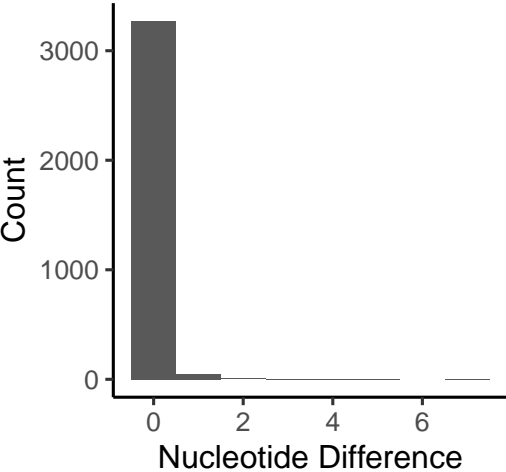
TRBV5-7*ap01

160 sequences assigned
160 (100%) exact matches, in which:
159 unique CDR3
13 unique J



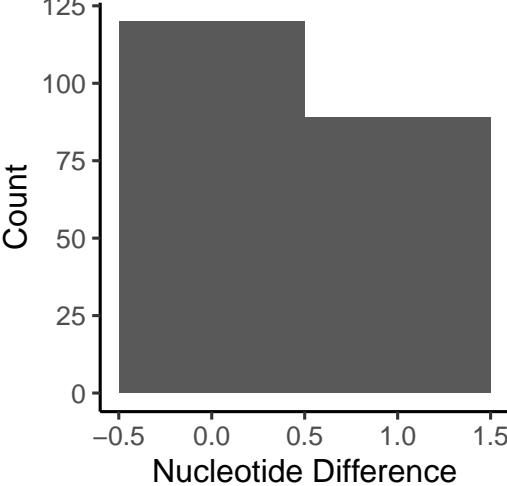
TRBV6-4*ap01

3332 sequences assigned
3271 (98.2%) exact matches, in which:
3211 unique CDR3
13 unique J



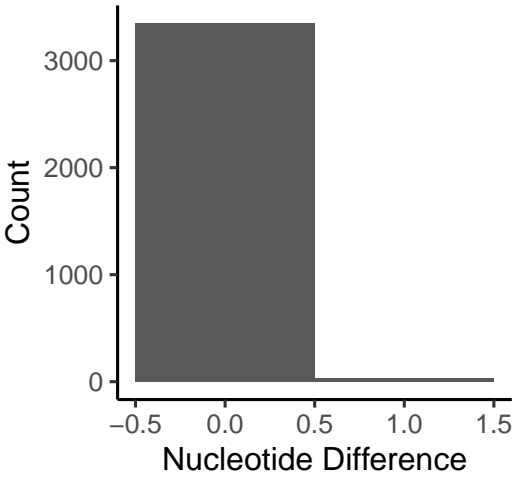
TRBV6-9*ap01

209 sequences assigned
120 (57.4%) exact matches, in which:
118 unique CDR3
12 unique J



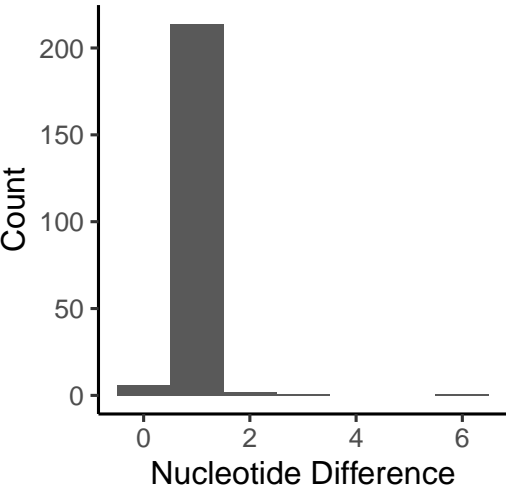
TRBV6-23*ap01

3384 sequences assigned
3348 (98.9%) exact matches, in which:
3279 unique CDR3
13 unique J



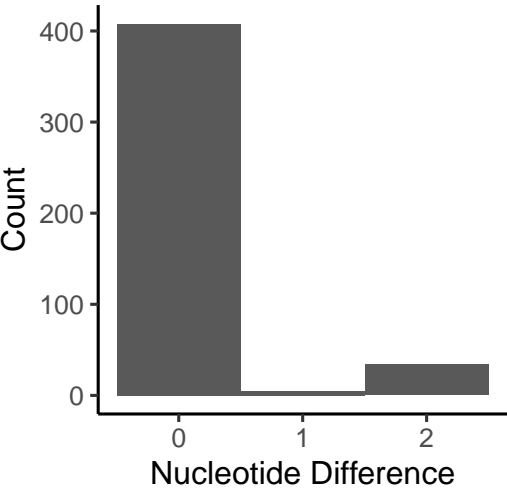
TRBV7-1*ap01_T296C

224 sequences assigned
6 (2.7%) exact matches, in which:
6 unique CDR3
5 unique J



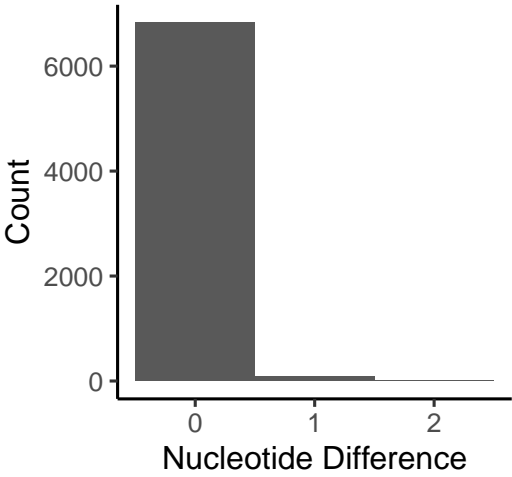
TRBV7-4*ap01

447 sequences assigned
408 (91.3%) exact matches, in which:
402 unique CDR3
13 unique J



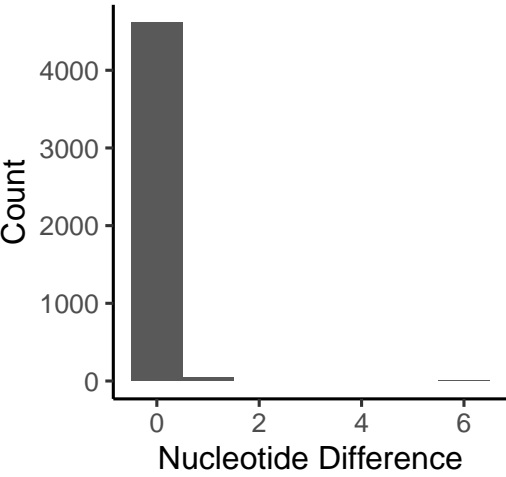
TRBV6-56*ap01

6910 sequences assigned
6827 (98.8%) exact matches, in which:
6688 unique CDR3
13 unique J



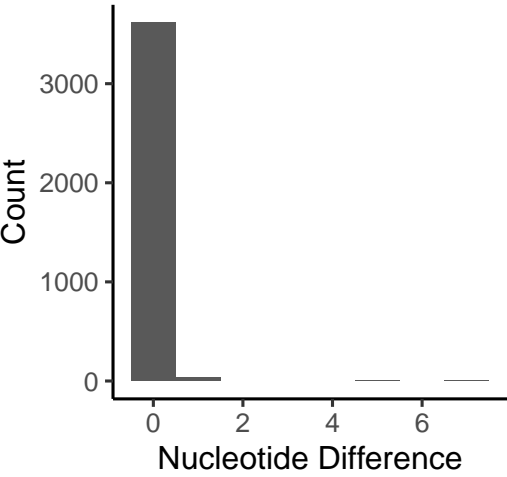
TRBV7-2*ap01

4653 sequences assigned
4612 (99.1%) exact matches, in which:
4527 unique CDR3
13 unique J



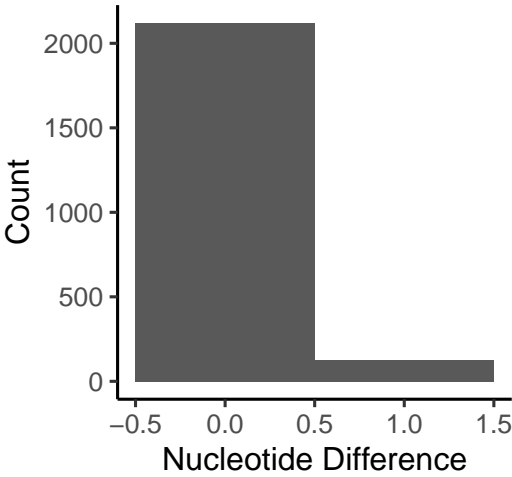
TRBV7-6*ap01

3655 sequences assigned
3615 (98.9%) exact matches, in which:
3539 unique CDR3
13 unique J



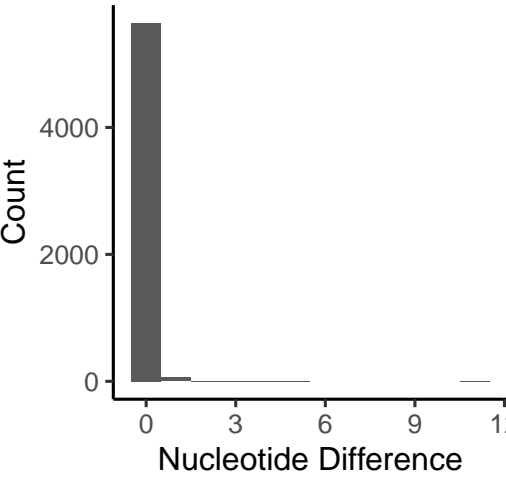
TRBV6-56*ap02

2245 sequences assigned
2120 (94.4%) exact matches, in which:
2091 unique CDR3
13 unique J



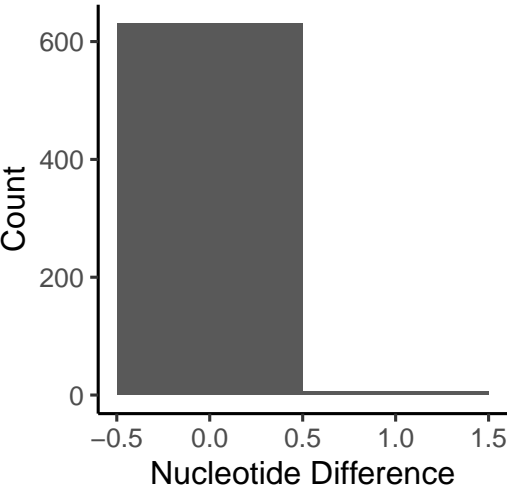
TRBV7-3*ap01

5714 sequences assigned
5645 (98.8%) exact matches, in which:
5528 unique CDR3
13 unique J



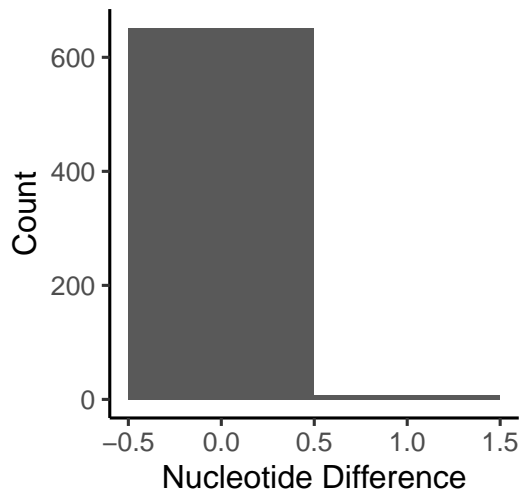
TRBV7-7*ap01

637 sequences assigned
631 (99.1%) exact matches, in which:
620 unique CDR3
13 unique J



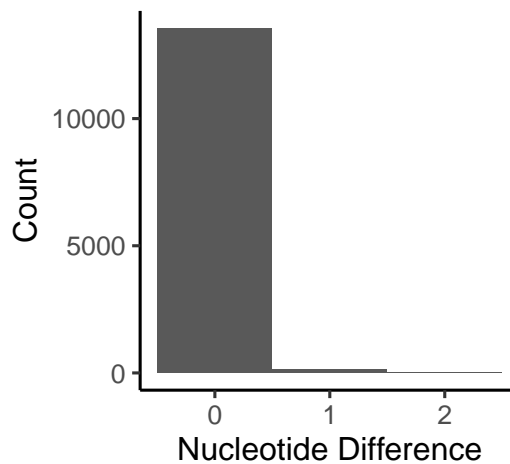
TRBV7-7*ap01_C315T

660 sequences assigned
652 (98.8%) exact matches, in which:
642 unique CDR3
13 unique J



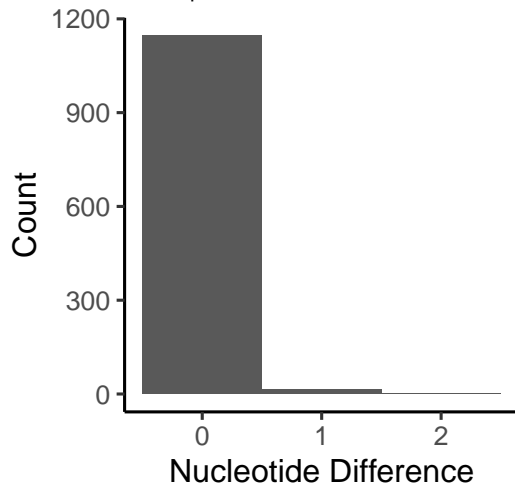
TRBV7-9*ap01

13679 sequences assigned
13555 (99.1%) exact matches, in which:
13334 unique CDR3
13 unique J



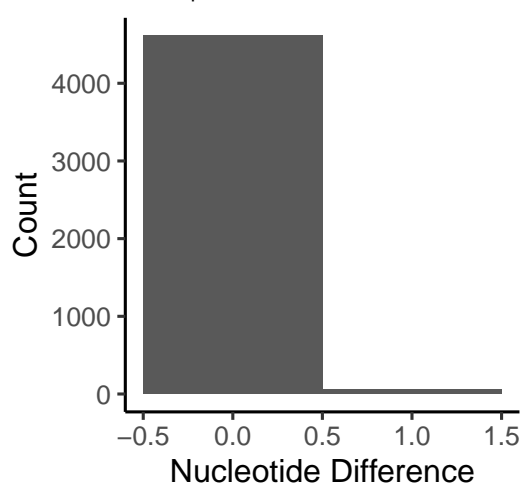
TRBV7-8*ap01

1162 sequences assigned
1146 (98.6%) exact matches, in which:
1115 unique CDR3
13 unique J



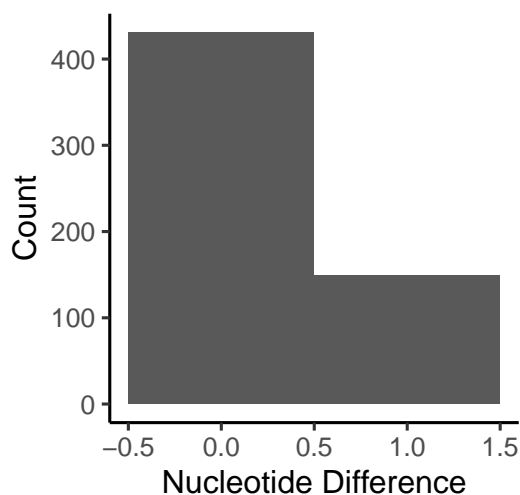
TRBV29-1*ap01

4664 sequences assigned
4612 (98.9%) exact matches, in which:
4533 unique CDR3
13 unique J



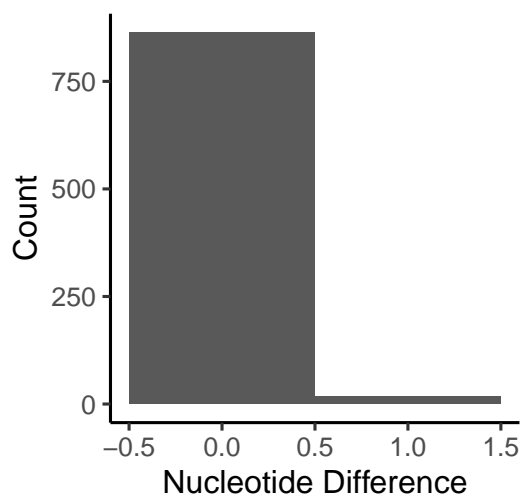
TRBV7-8*ap03

580 sequences assigned
431 (74.3%) exact matches, in which:
425 unique CDR3
13 unique J

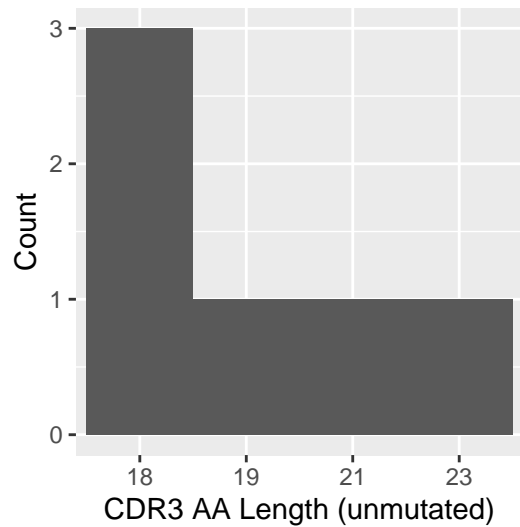


TRBV29-1*ap02

881 sequences assigned
864 (98.1%) exact matches, in which:
851 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

