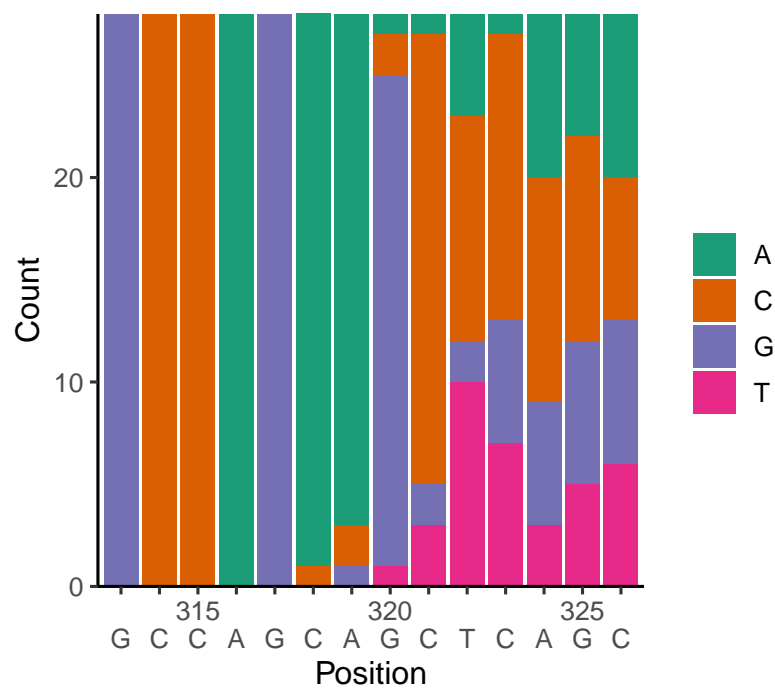
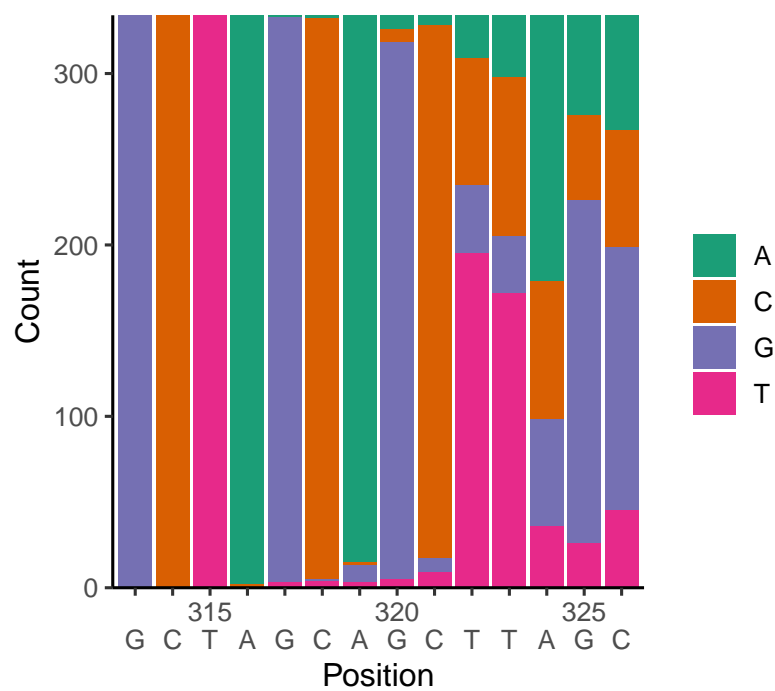


Gene TRBV7-1*ap01_T296C



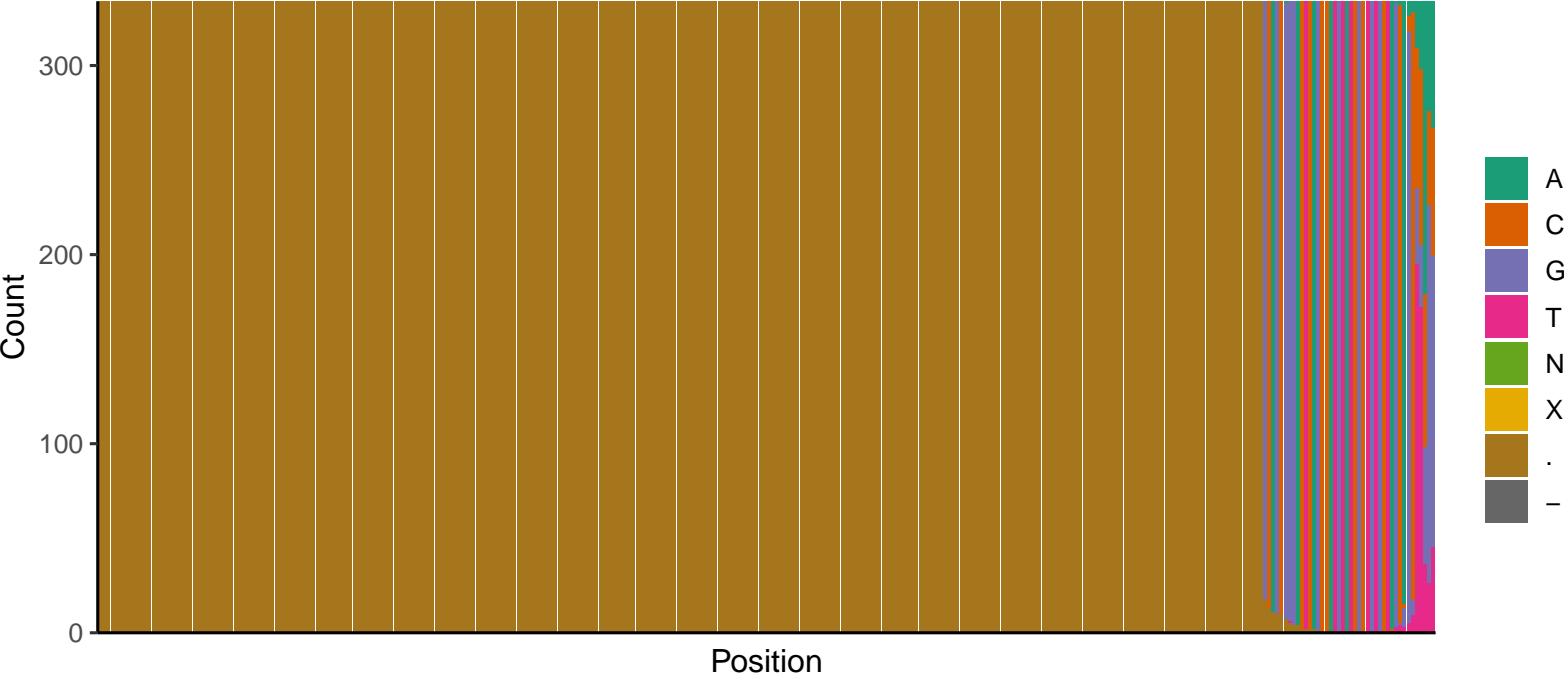
Gene TRBV7-7*ap01_C315T



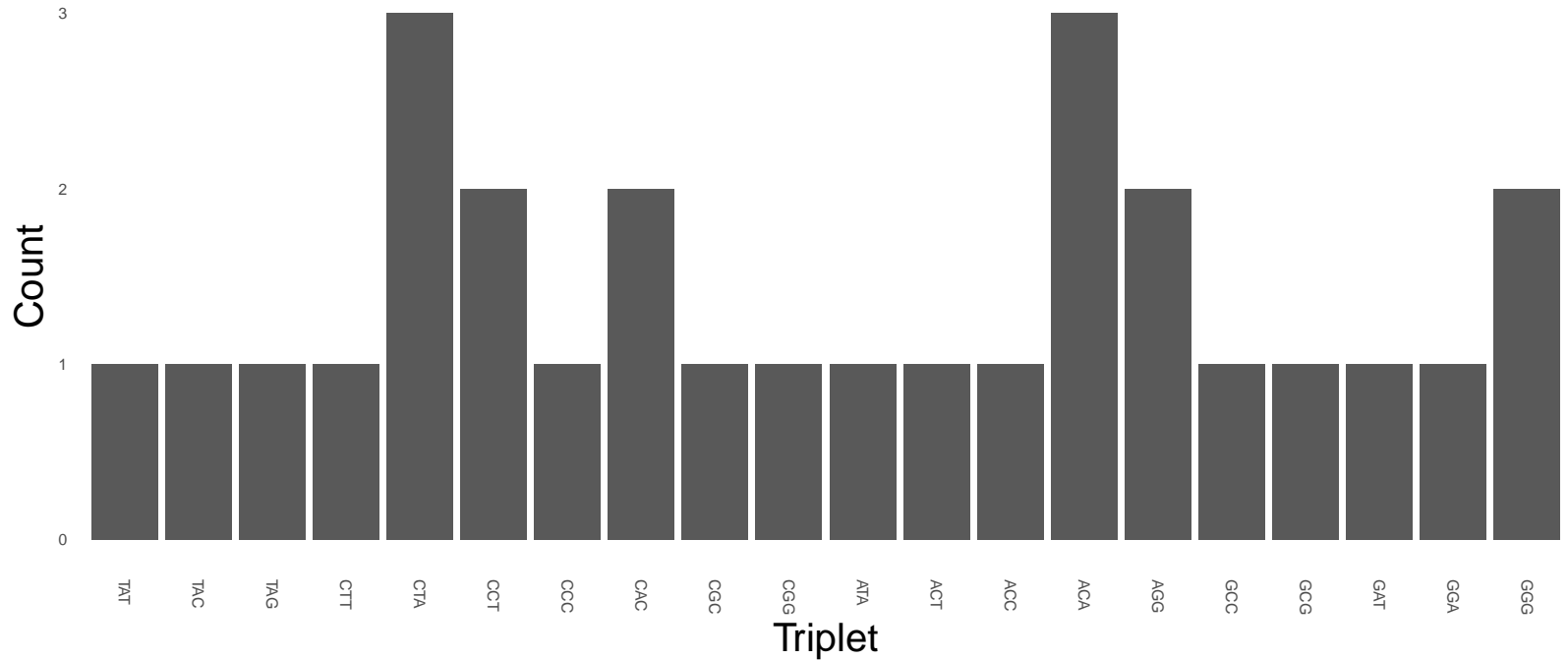
Gene TRBV7-1*ap01_T296C



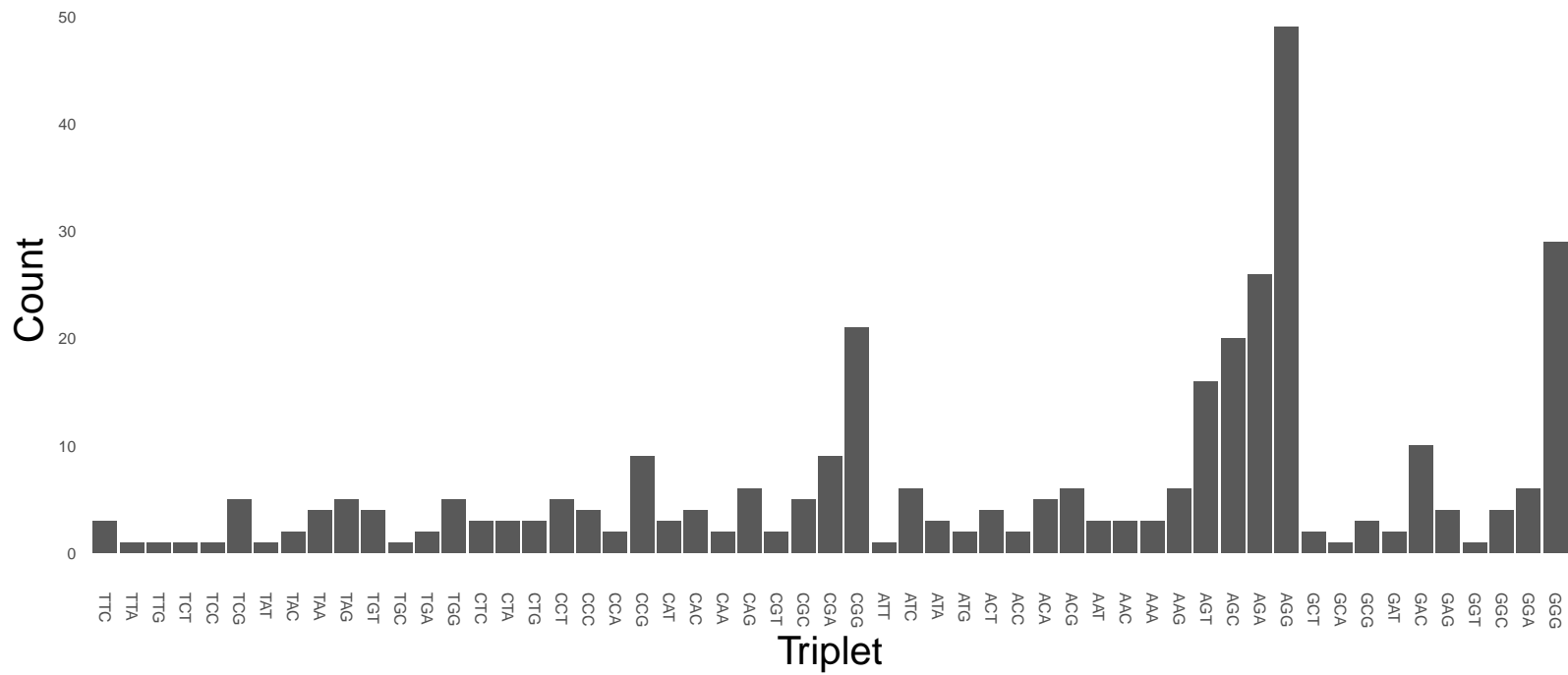
Gene TRBV7-7*ap01_C315T



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

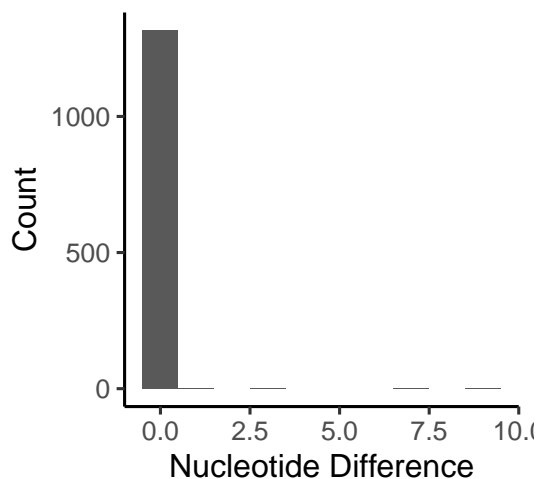


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



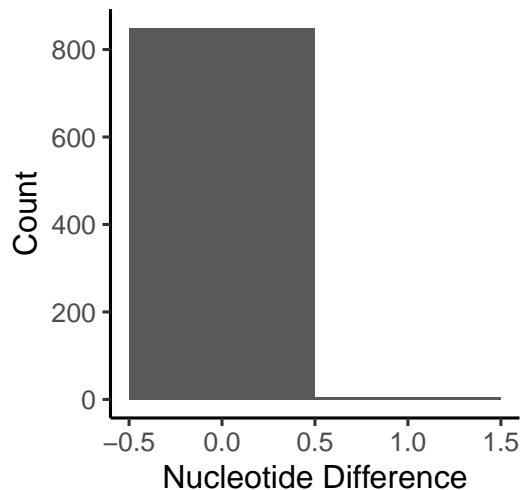
TRBV10-1*ap01

1321 sequences assigned
1316 (99.6%) exact matches, in which:
1315 unique CDR3
13 unique J



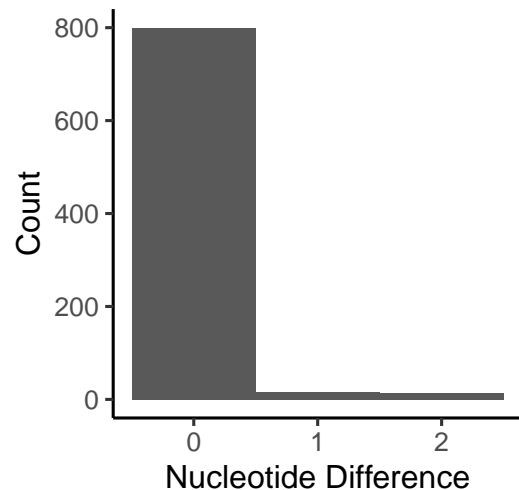
TRBV10-2*ap01

856 sequences assigned
850 (99.3%) exact matches, in which:
844 unique CDR3
13 unique J



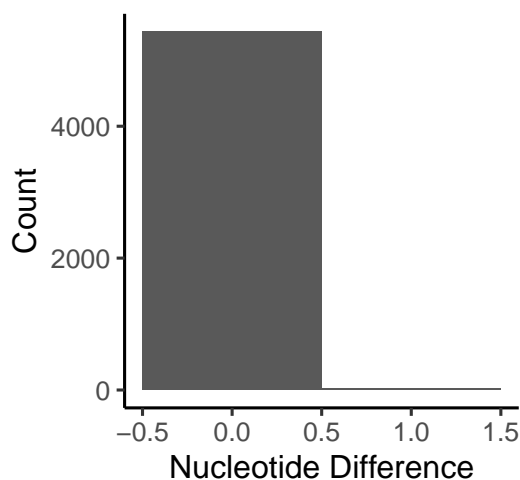
TRBV13*ap01

830 sequences assigned
800 (96.4%) exact matches, in which:
793 unique CDR3
13 unique J



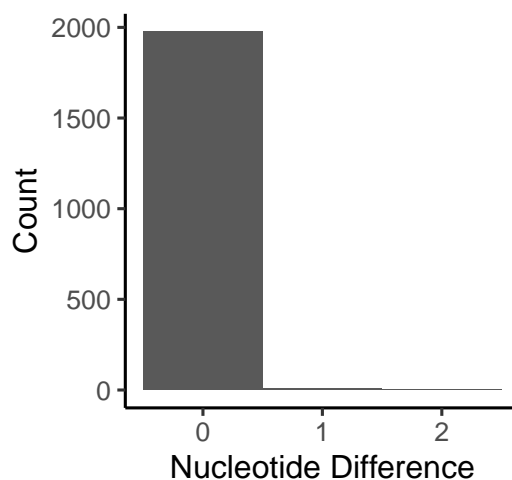
TRBV20-1*ap01

5451 sequences assigned
5433 (99.7%) exact matches, in which:
5409 unique CDR3
13 unique J



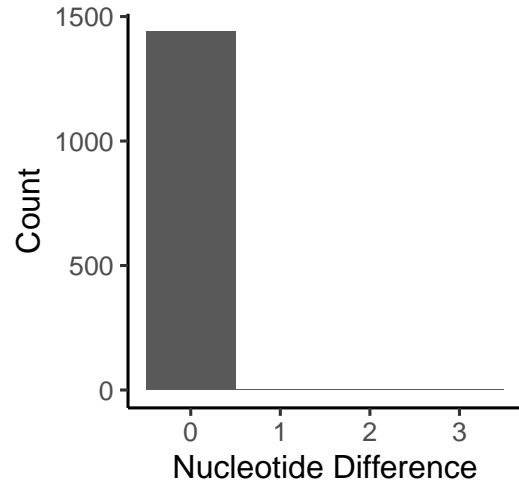
TRBV10-3*ap01

1991 sequences assigned
1976 (99.2%) exact matches, in which:
1972 unique CDR3
13 unique J



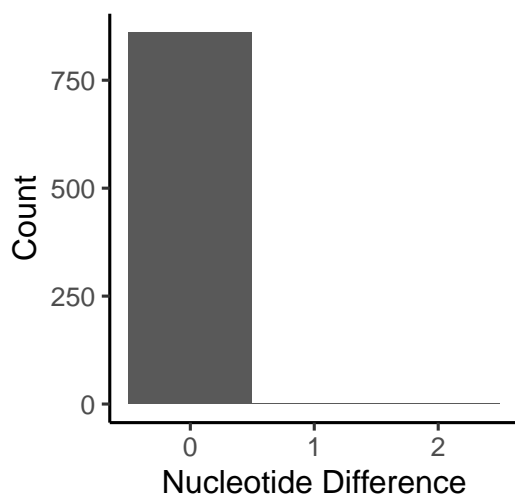
TRBV14*ap01

1445 sequences assigned
1439 (99.6%) exact matches, in which:
1438 unique CDR3
13 unique J



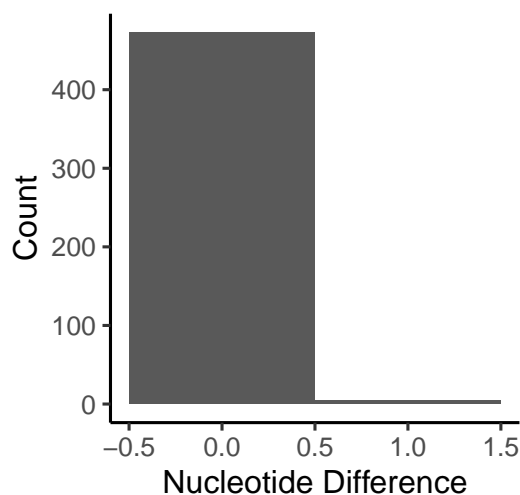
TRBV20-1*ap02

863 sequences assigned
861 (99.8%) exact matches, in which:
860 unique CDR3
13 unique J



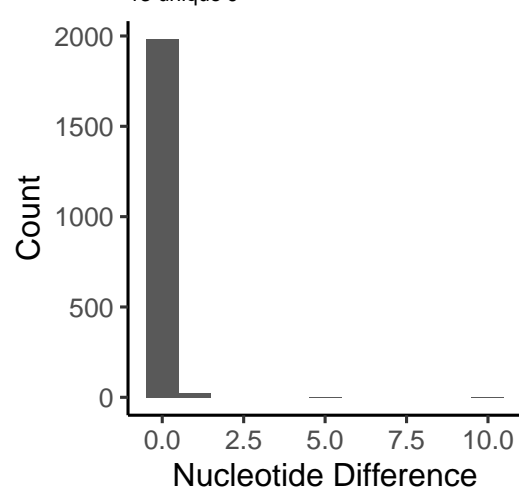
TRBV1*ap01

478 sequences assigned
473 (99%) exact matches, in which:
469 unique CDR3
13 unique J



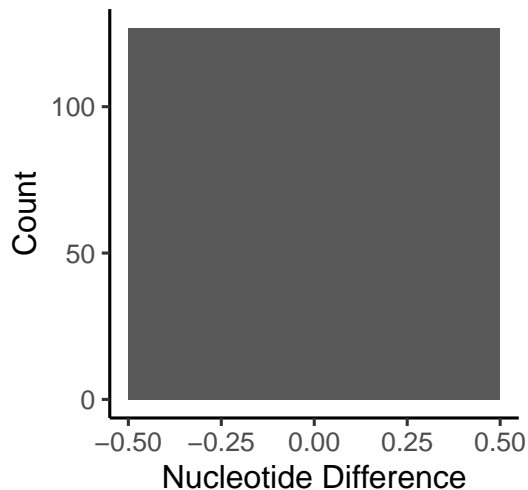
TRBV15*ap02

2010 sequences assigned
1983 (98.7%) exact matches, in which:
1970 unique CDR3
13 unique J



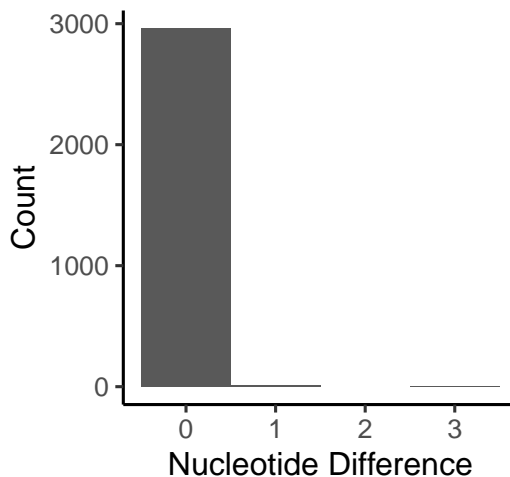
TRBV16*ap01

127 sequences assigned
127 (100%) exact matches, in which:
127 unique CDR3
13 unique J



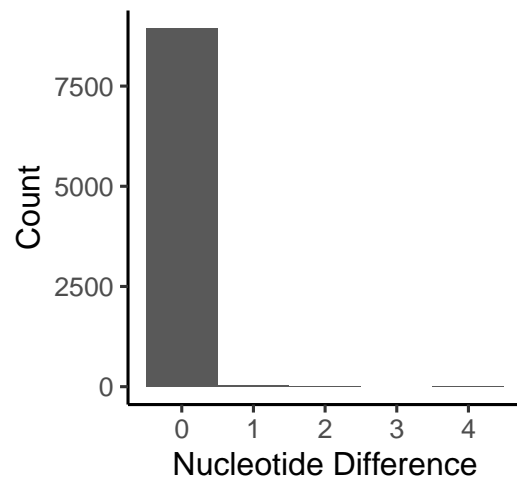
TRBV19*ap01

2975 sequences assigned
2961 (99.5%) exact matches, in which:
2949 unique CDR3
13 unique J



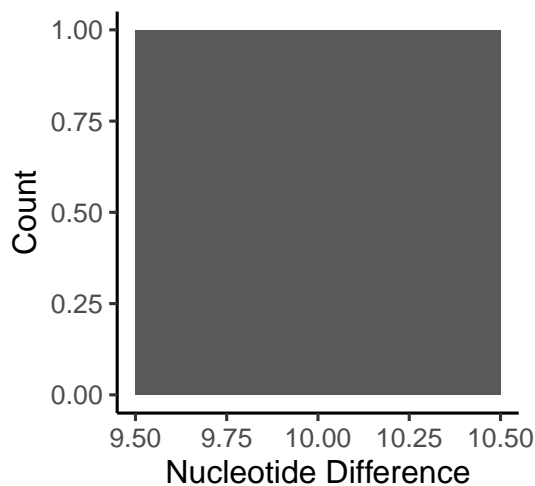
TRBV28*ap01

8972 sequences assigned
8939 (99.6%) exact matches, in which:
8924 unique CDR3
13 unique J



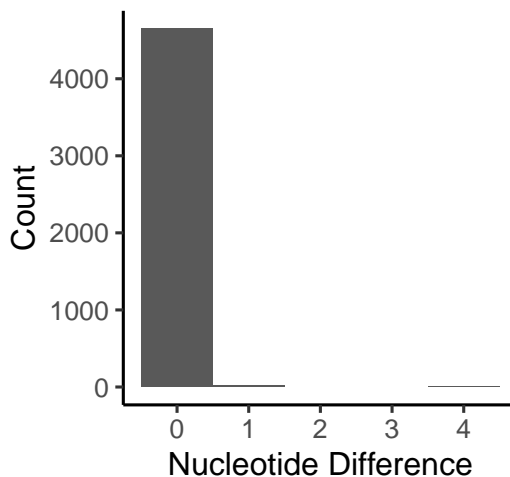
TRBV17*ap01

1 sequences assigned
No exact matches.



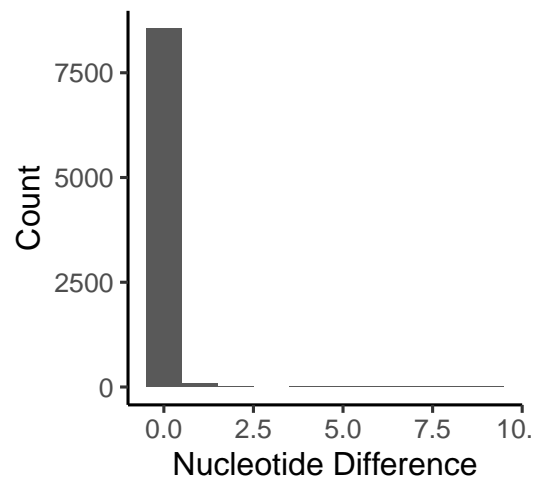
TRBV2*ap01

4665 sequences assigned
4649 (99.7%) exact matches, in which:
4635 unique CDR3
13 unique J



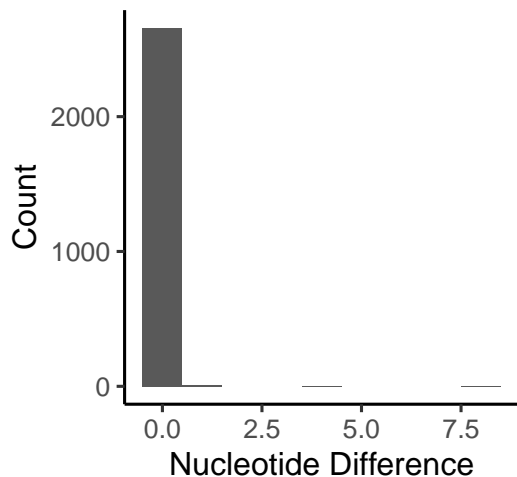
TRBV30*ap01

8657 sequences assigned
8551 (98.8%) exact matches, in which:
8475 unique CDR3
13 unique J



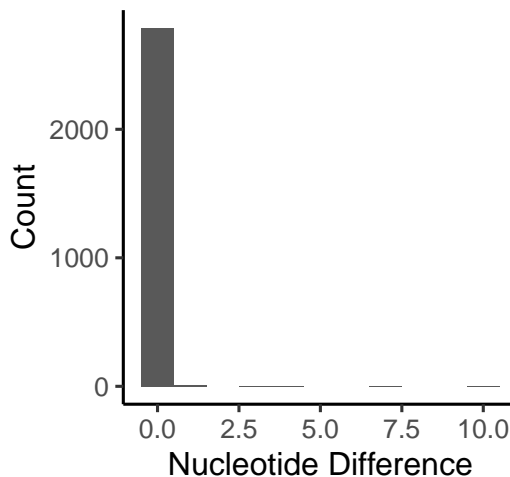
TRBV18*ap01

2670 sequences assigned
2657 (99.5%) exact matches, in which:
2653 unique CDR3
13 unique J



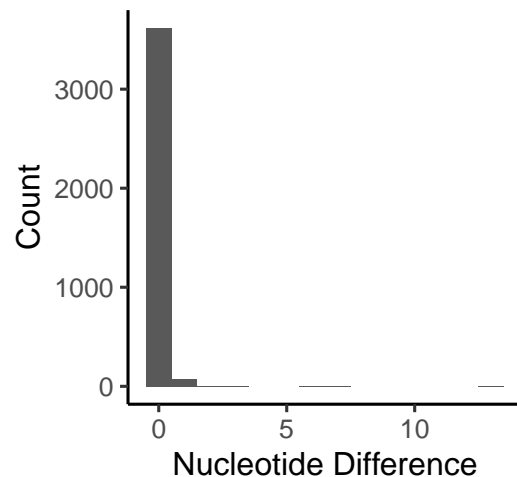
TRBV27*ap01

2801 sequences assigned
2788 (99.5%) exact matches, in which:
2778 unique CDR3
13 unique J



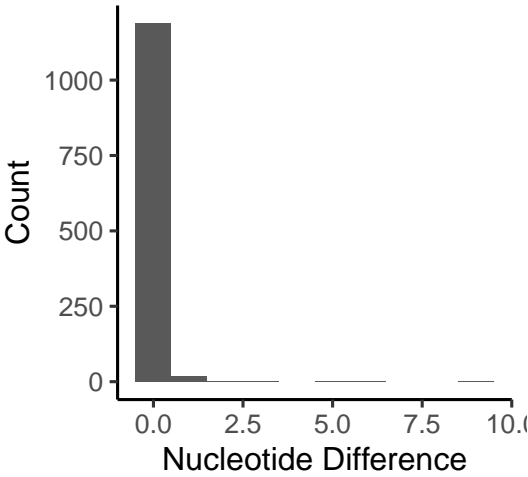
TRBV9*ap01

3697 sequences assigned
3617 (97.8%) exact matches, in which:
3609 unique CDR3
13 unique J



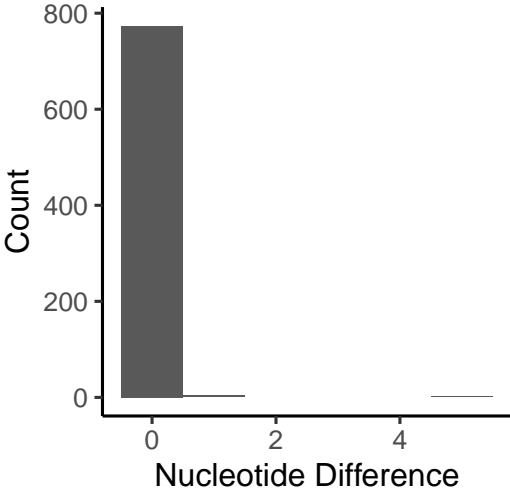
TRBV21-1*ap01

1215 sequences assigned
1188 (97.8%) exact matches, in which:
1186 unique CDR3
13 unique J



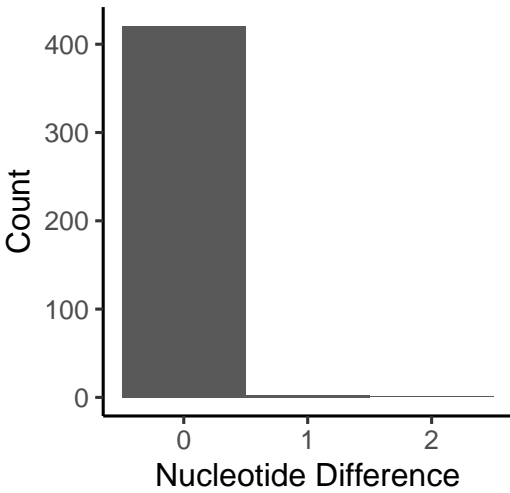
TRBV11-3*ap01

780 sequences assigned
774 (99.2%) exact matches, in which:
774 unique CDR3
14 unique J



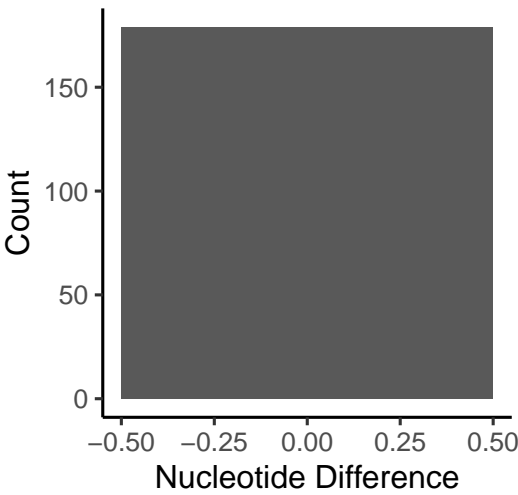
TRBV12-5*ap01

425 sequences assigned
421 (99.1%) exact matches, in which:
420 unique CDR3
13 unique J



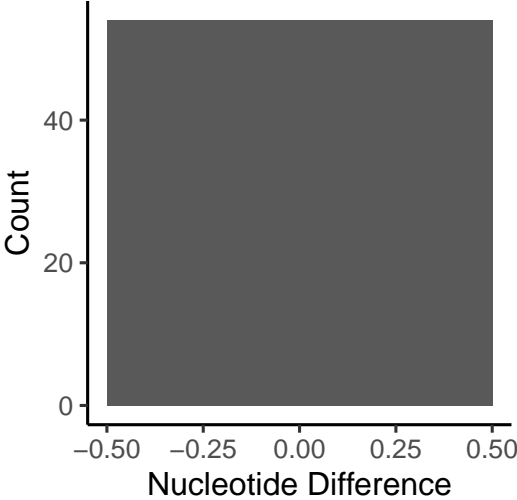
TRBV11-1*ap01

179 sequences assigned
179 (100%) exact matches, in which:
179 unique CDR3
12 unique J



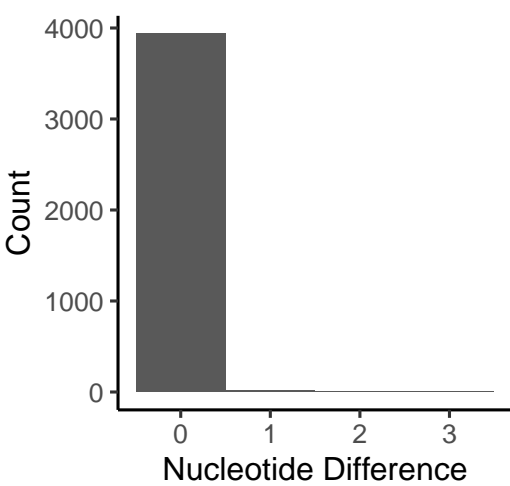
TRBV12-1*ap01

54 sequences assigned
54 (100%) exact matches, in which:
53 unique CDR3
10 unique J



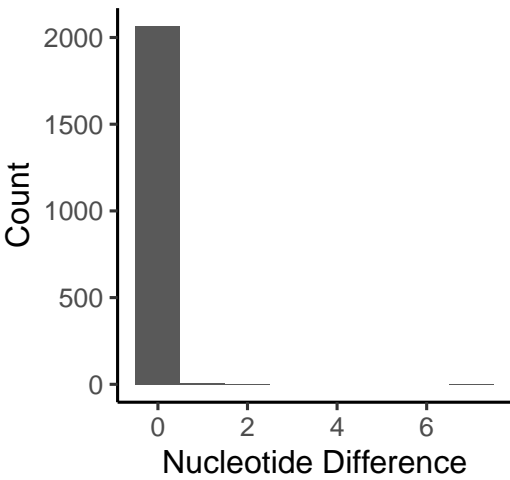
TRBV12-34*ap01

3960 sequences assigned
3937 (99.4%) exact matches, in which:
3927 unique CDR3
13 unique J



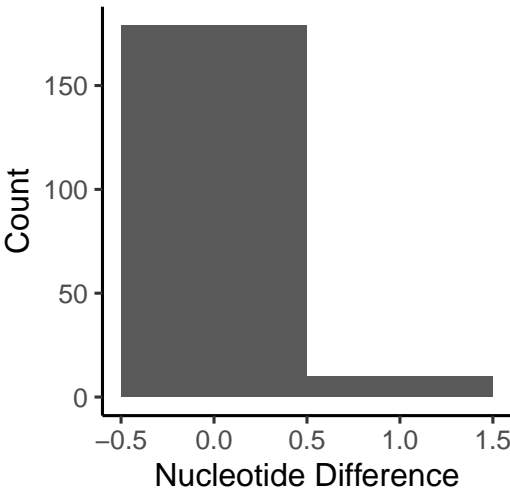
TRBV11-2*ap01

2074 sequences assigned
2066 (99.6%) exact matches, in which:
2061 unique CDR3
13 unique J



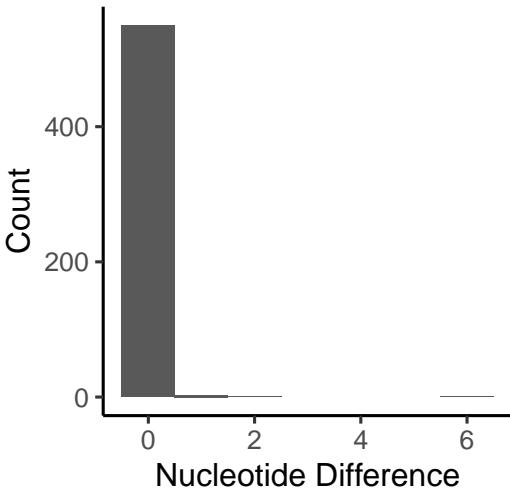
TRBV12-2*ap01

189 sequences assigned
179 (94.7%) exact matches, in which:
179 unique CDR3
12 unique J



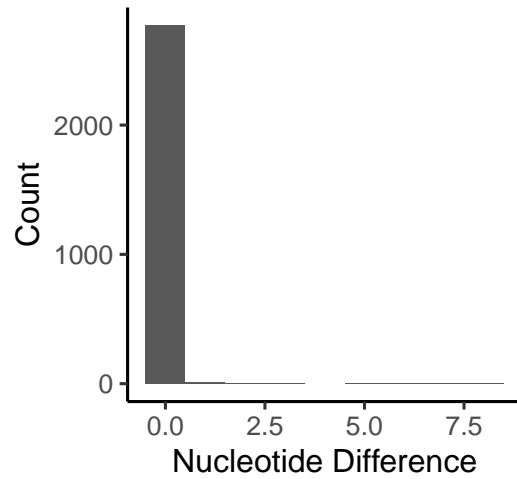
TRBV23-1*ap01

555 sequences assigned
550 (99.1%) exact matches, in which:
550 unique CDR3
12 unique J



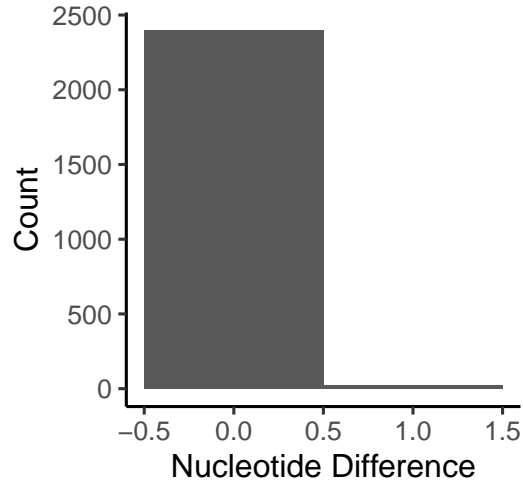
TRBV3-12*ap01

2791 sequences assigned
2771 (99.3%) exact matches, in which:
2770 unique CDR3
13 unique J



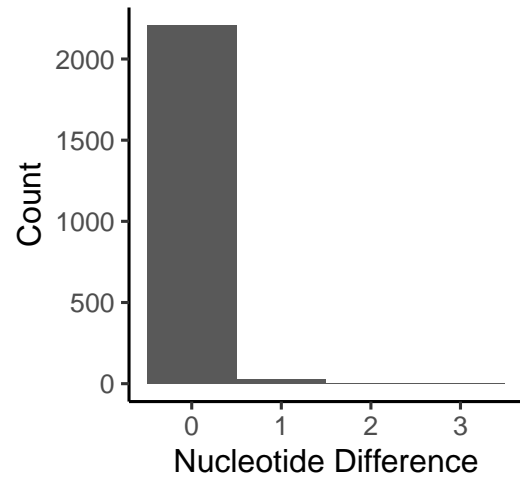
TRBV4-2*ap01

2418 sequences assigned
2397 (99.1%) exact matches, in which:
2390 unique CDR3
13 unique J



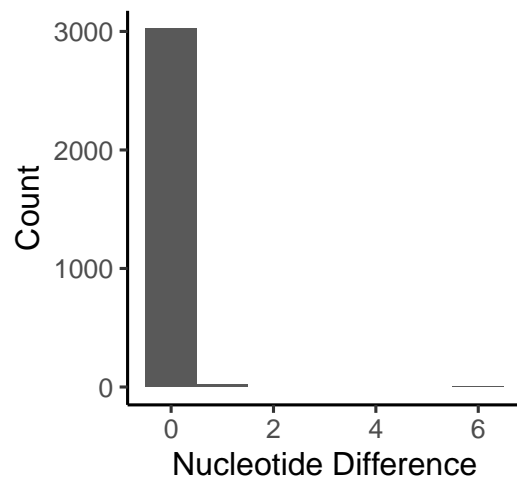
TRBV25-1*ap01

2237 sequences assigned
2207 (98.7%) exact matches, in which:
2195 unique CDR3
13 unique J



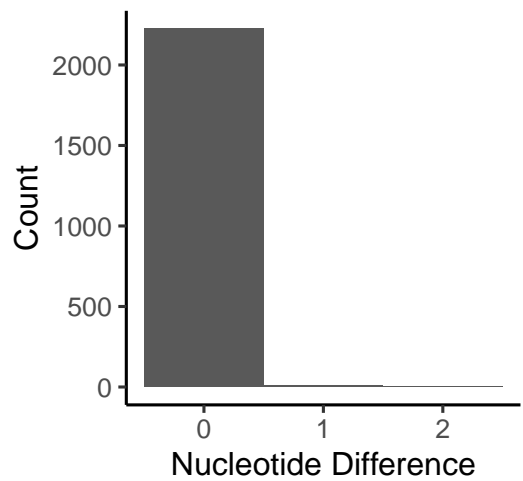
TRBV24-1*ap01

3043 sequences assigned
3023 (99.3%) exact matches, in which:
3009 unique CDR3
13 unique J



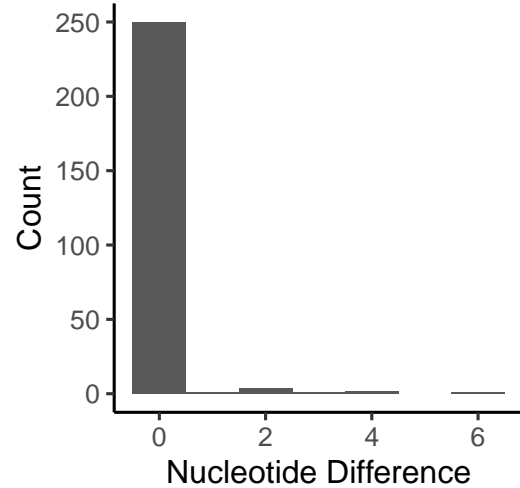
TRBV4-3*ap01

2234 sequences assigned
2225 (99.6%) exact matches, in which:
2218 unique CDR3
13 unique J



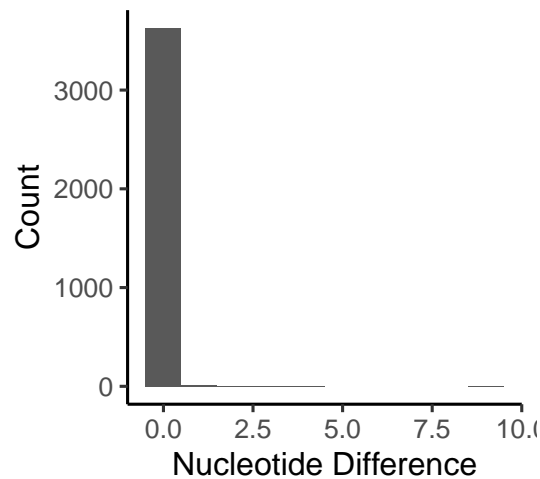
TRBV5-3*ap01

259 sequences assigned
250 (96.5%) exact matches, in which:
250 unique CDR3
13 unique J



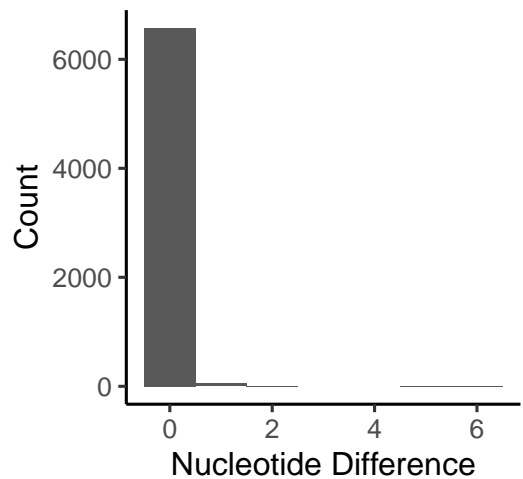
TRBV4-1*ap01

3646 sequences assigned
3628 (99.5%) exact matches, in which:
3620 unique CDR3
13 unique J



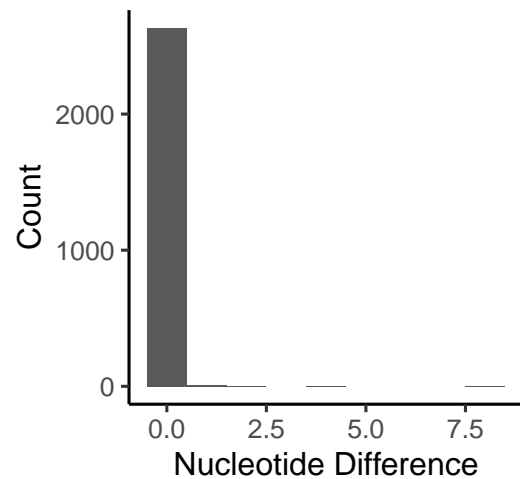
TRBV5-1*ap01

6634 sequences assigned
6574 (99.1%) exact matches, in which:
6549 unique CDR3
13 unique J



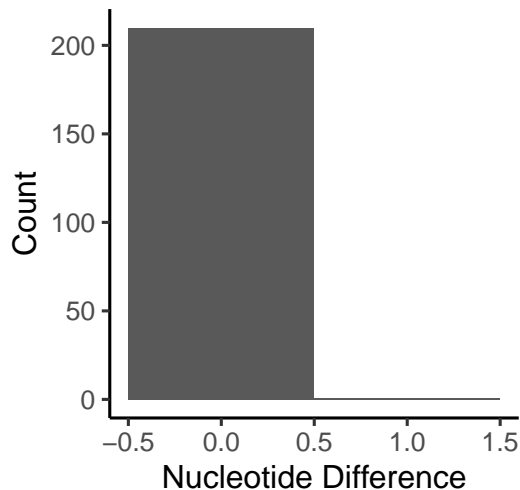
TRBV5-4*ap01

2648 sequences assigned
2632 (99.4%) exact matches, in which:
2623 unique CDR3
13 unique J



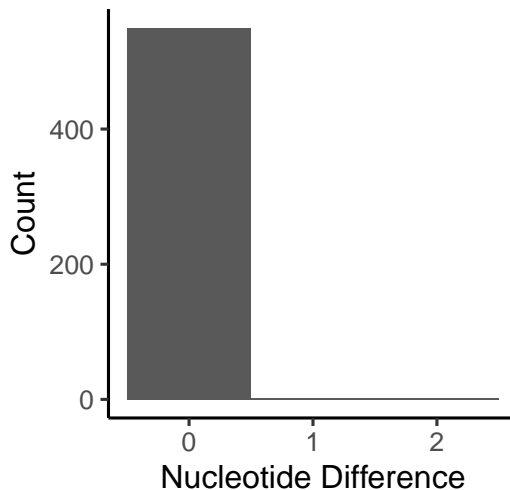
TRBV5-5*ap01

211 sequences assigned
210 (99.5%) exact matches, in which:
210 unique CDR3
12 unique J



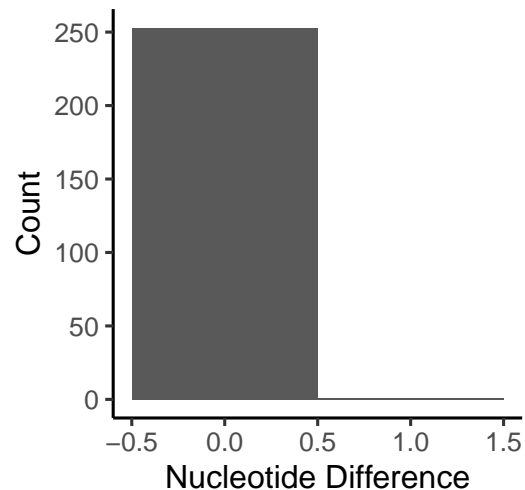
TRBV5-8*ap01

554 sequences assigned
550 (99.3%) exact matches, in which:
550 unique CDR3
13 unique J



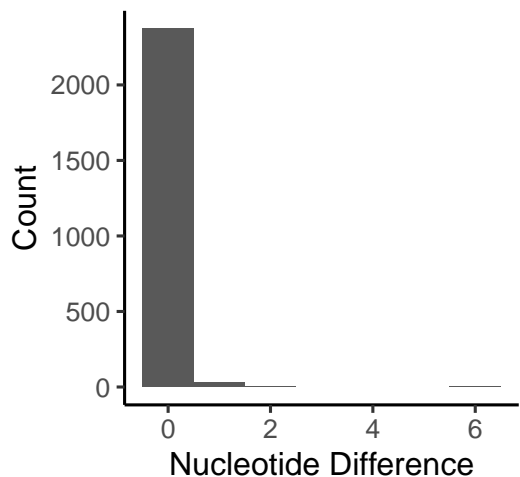
TRBV6-7*ap01

254 sequences assigned
253 (99.6%) exact matches, in which:
252 unique CDR3
12 unique J



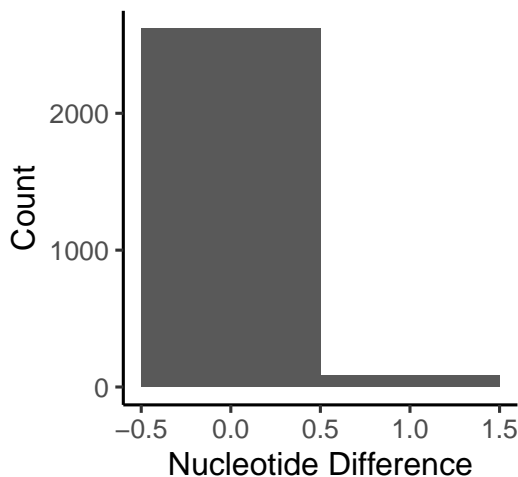
TRBV5-6*ap01

2405 sequences assigned
2372 (98.6%) exact matches, in which:
2356 unique CDR3
13 unique J



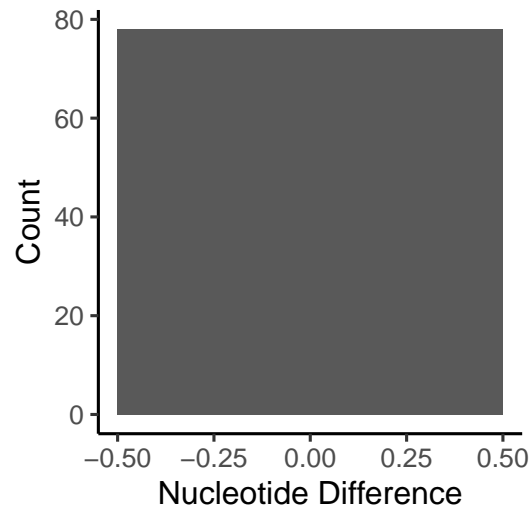
TRBV6-1*ap01

2701 sequences assigned
2618 (96.9%) exact matches, in which:
2606 unique CDR3
13 unique J



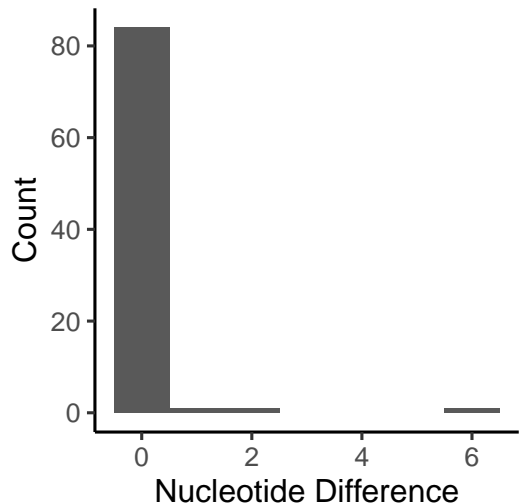
TRBV6-8*ap01

78 sequences assigned
78 (100%) exact matches, in which:
78 unique CDR3
12 unique J



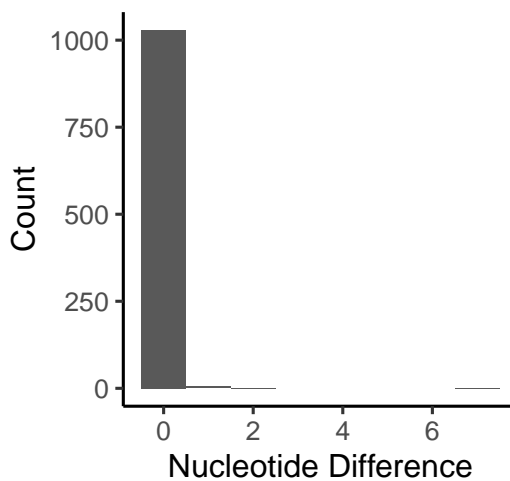
TRBV5-7*ap01

87 sequences assigned
84 (96.6%) exact matches, in which:
84 unique CDR3
11 unique J



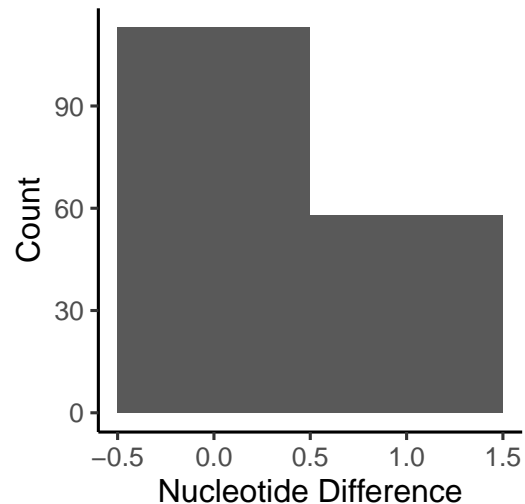
TRBV6-4*ap01

1036 sequences assigned
1029 (99.3%) exact matches, in which:
1027 unique CDR3
13 unique J



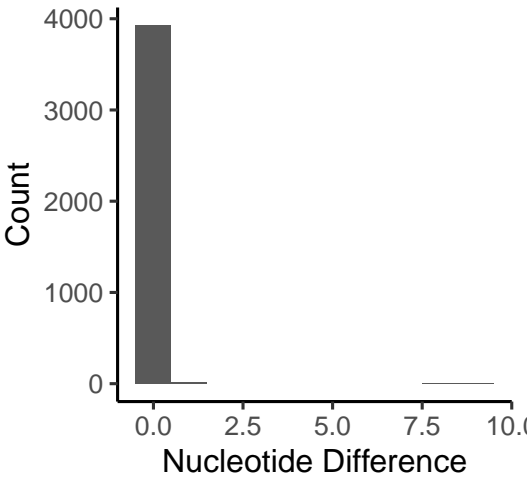
TRBV6-9*ap01

171 sequences assigned
113 (66.1%) exact matches, in which:
113 unique CDR3
11 unique J



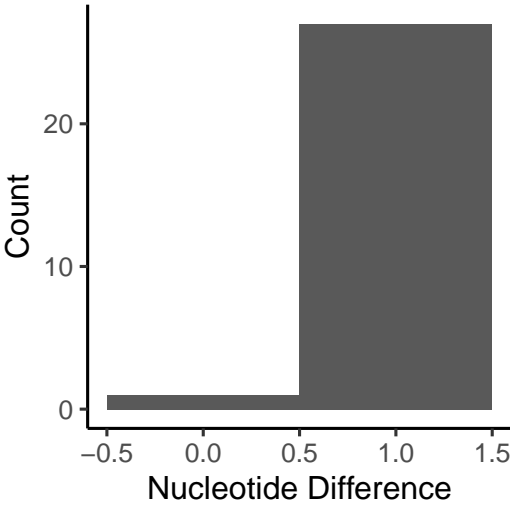
TRBV6-23*ap01

3947 sequences assigned
3927 (99.5%) exact matches, in which:
3917 unique CDR3
13 unique J



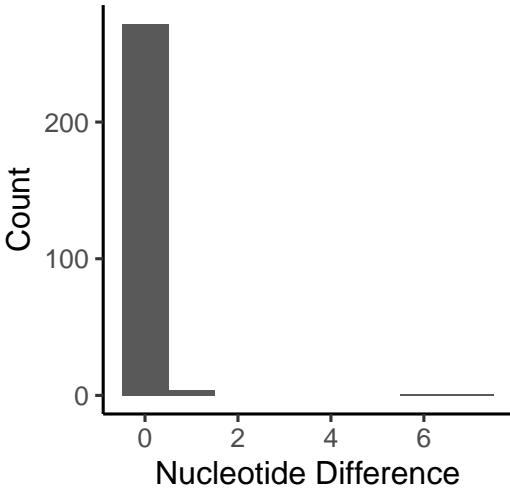
TRBV7-1*ap01_T296C

28 sequences assigned
1 (3.6%) exact matches, in which:
1 unique CDR3
1 unique J



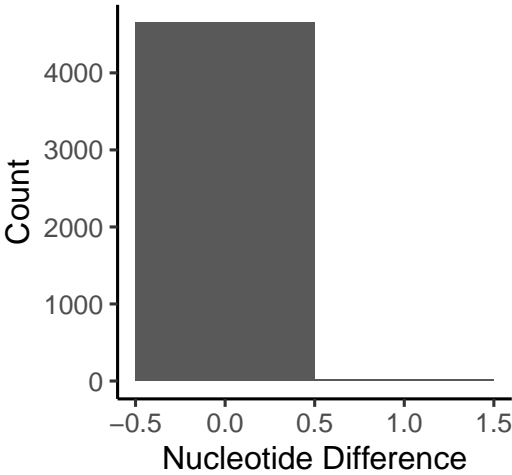
TRBV7-3*ap02

278 sequences assigned
272 (97.8%) exact matches, in which:
272 unique CDR3
13 unique J



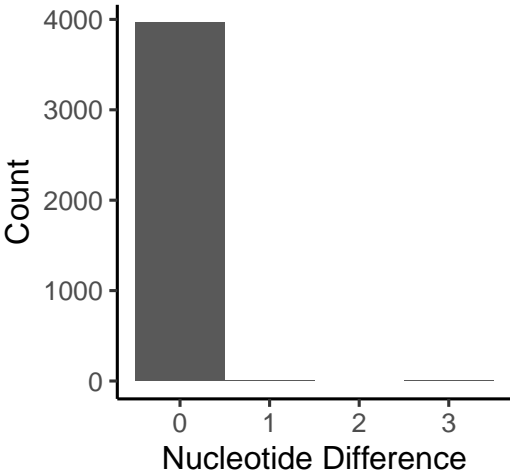
TRBV6-56*ap01

4672 sequences assigned
4651 (99.6%) exact matches, in which:
4635 unique CDR3
13 unique J



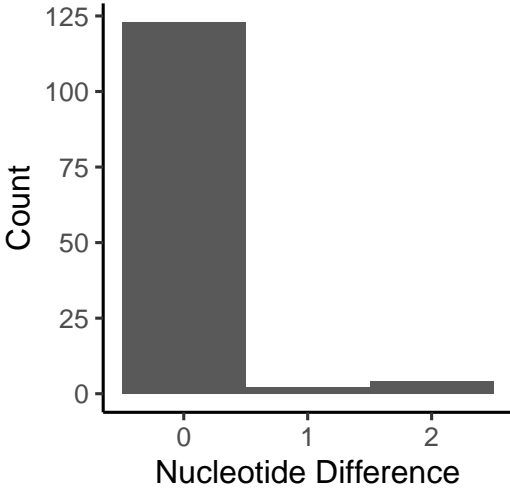
TRBV7-2*ap01

3967 sequences assigned
3963 (99.9%) exact matches, in which:
3953 unique CDR3
13 unique J



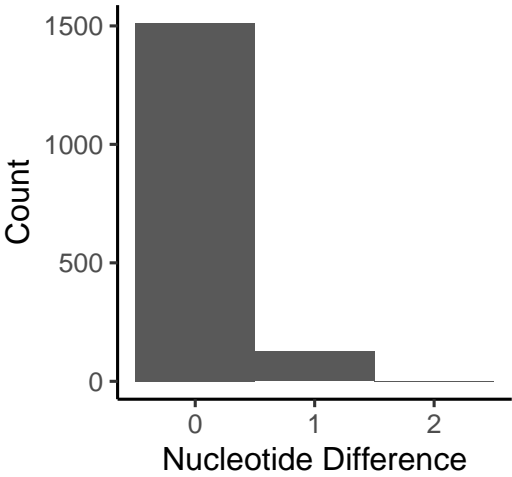
TRBV7-4*ap01

129 sequences assigned
123 (95.3%) exact matches, in which:
123 unique CDR3
10 unique J



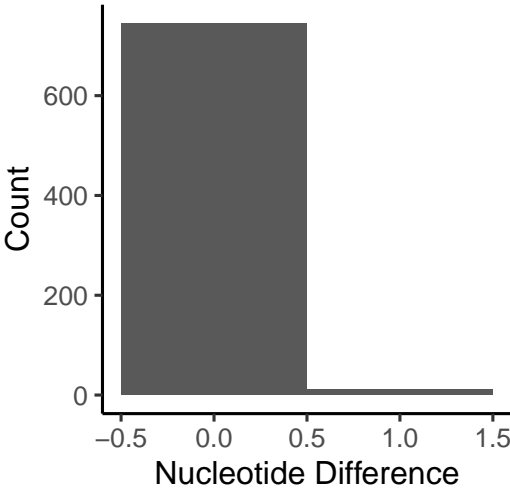
TRBV6-56*ap02

1639 sequences assigned
1512 (92.3%) exact matches, in which:
1502 unique CDR3
13 unique J



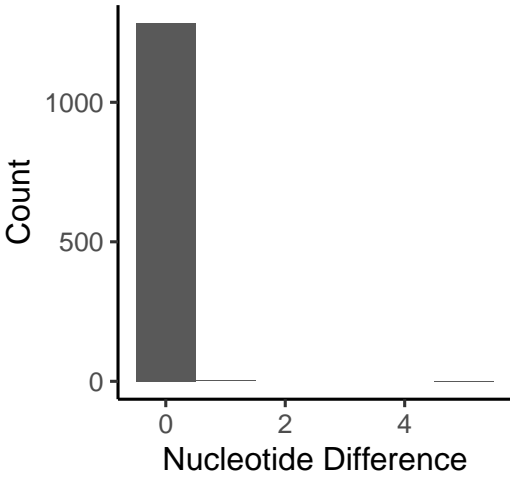
TRBV7-3*ap01

757 sequences assigned
745 (98.4%) exact matches, in which:
743 unique CDR3
13 unique J



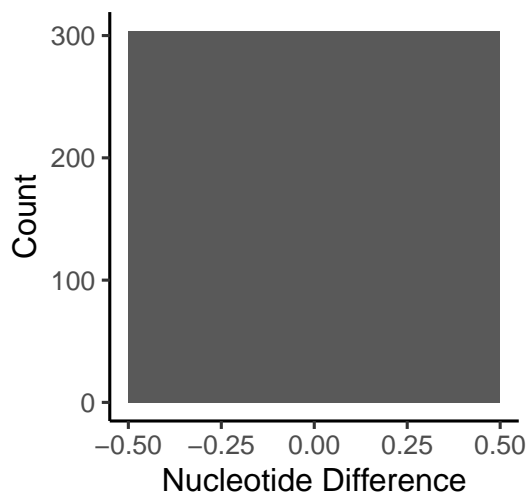
TRBV7-6*ap01

1288 sequences assigned
1284 (99.7%) exact matches, in which:
1277 unique CDR3
13 unique J



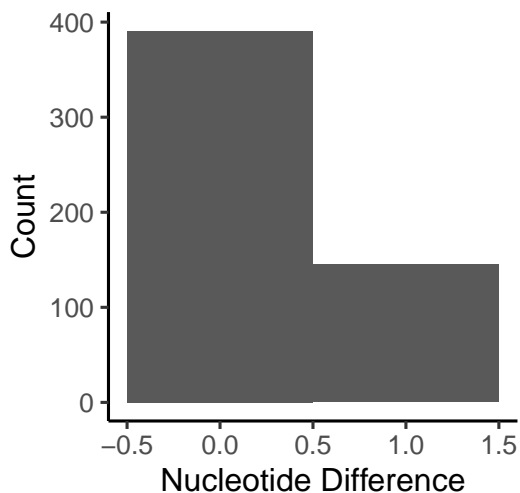
TRBV7-7*ap01

304 sequences assigned
304 (100%) exact matches, in which:
302 unique CDR3
11 unique J



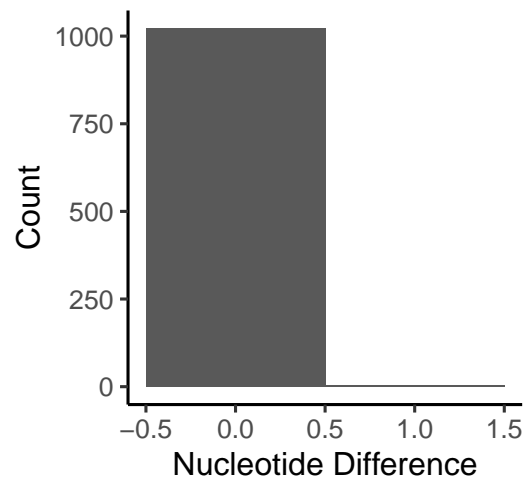
TRBV7-8*ap03

536 sequences assigned
391 (72.9%) exact matches, in which:
390 unique CDR3
12 unique J



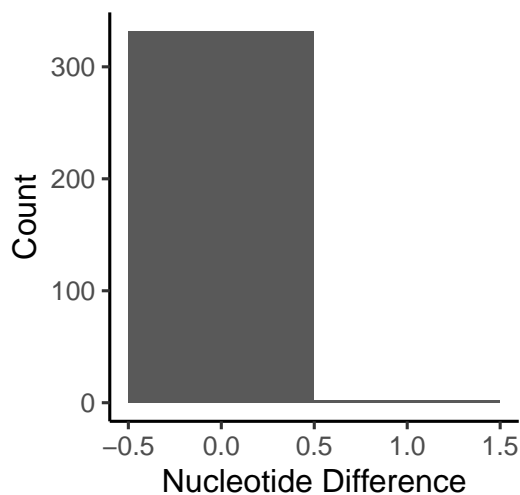
TRBV29-1*ap02

1027 sequences assigned
1022 (99.5%) exact matches, in which:
1020 unique CDR3
13 unique J



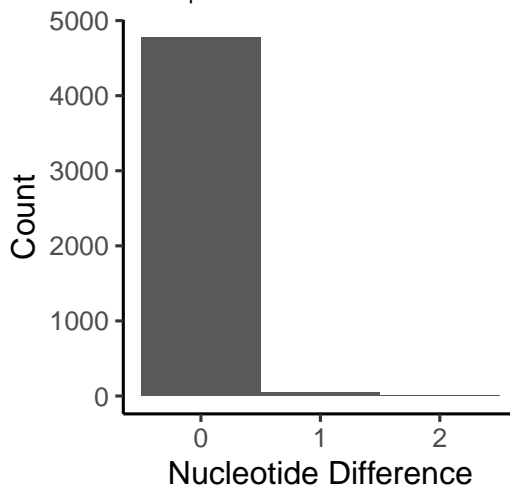
TRBV7-7*ap01_C315T

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



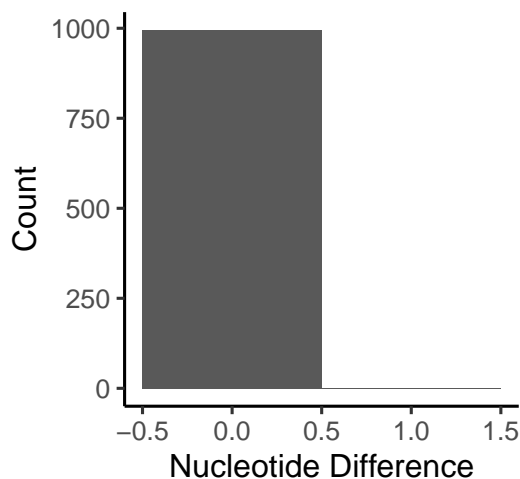
TRBV7-9*ap01

4817 sequences assigned
4772 (99.1%) exact matches, in which:
4770 unique CDR3
13 unique J



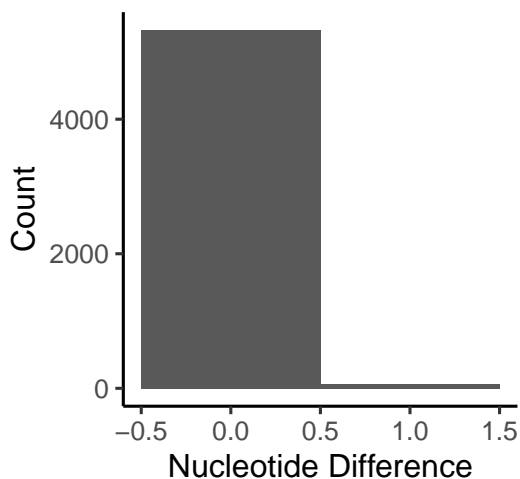
TRBV7-8*ap01

996 sequences assigned
995 (99.9%) exact matches, in which:
992 unique CDR3
13 unique J

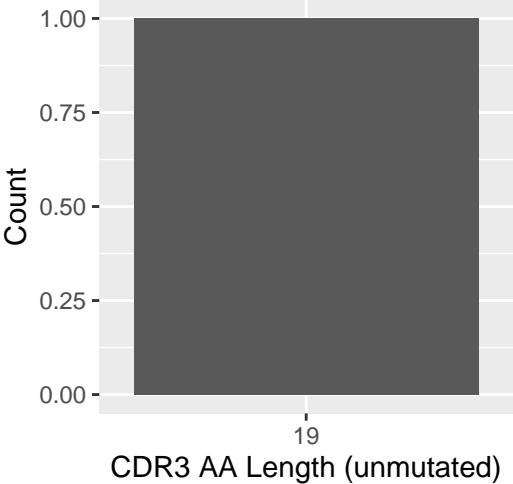


TRBV29-1*ap01

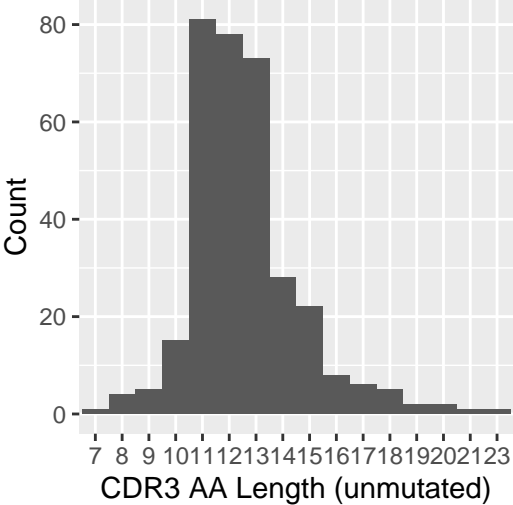
5386 sequences assigned
5325 (98.9%) exact matches, in which:
5285 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]