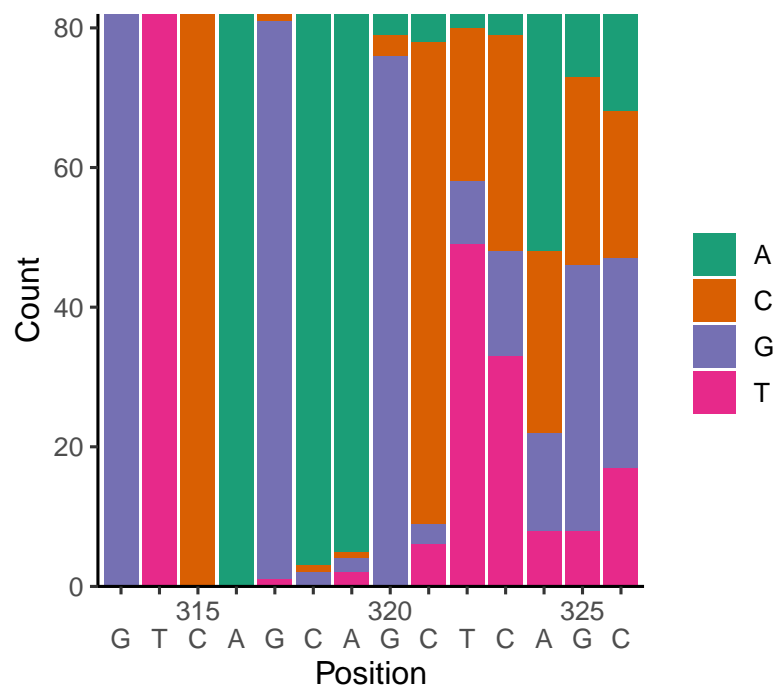
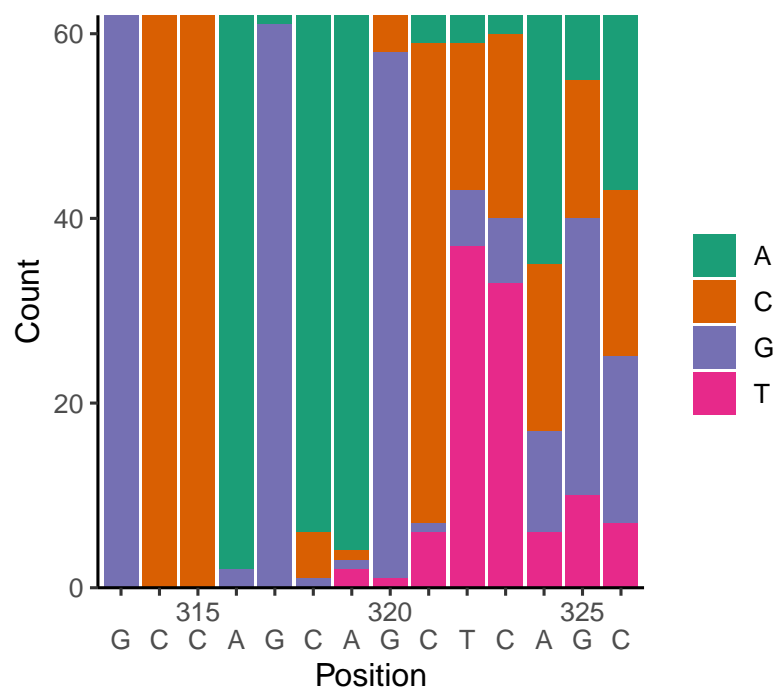


Gene TRBV7-1*ap01_G291C_T296C_C314T



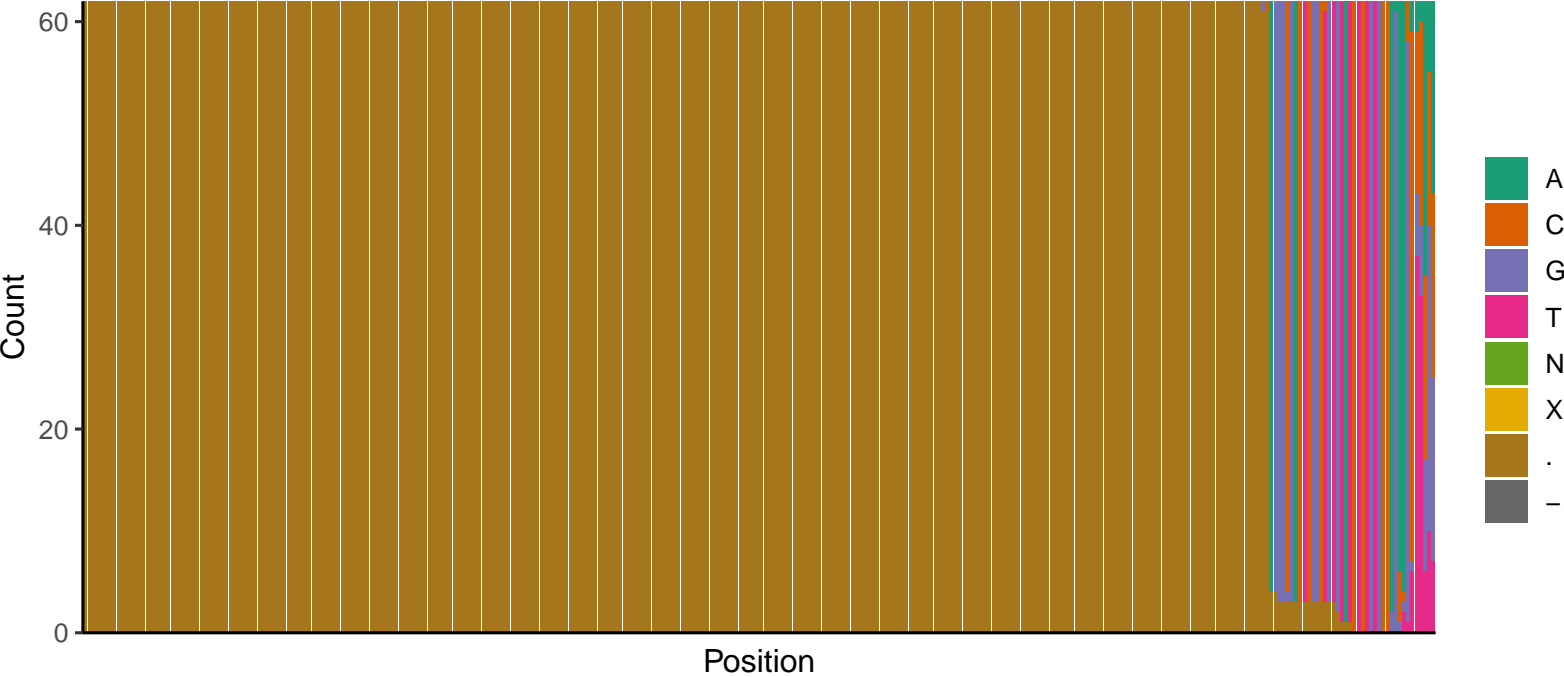
Gene TRBV7-1*ap01_G291C_T296C



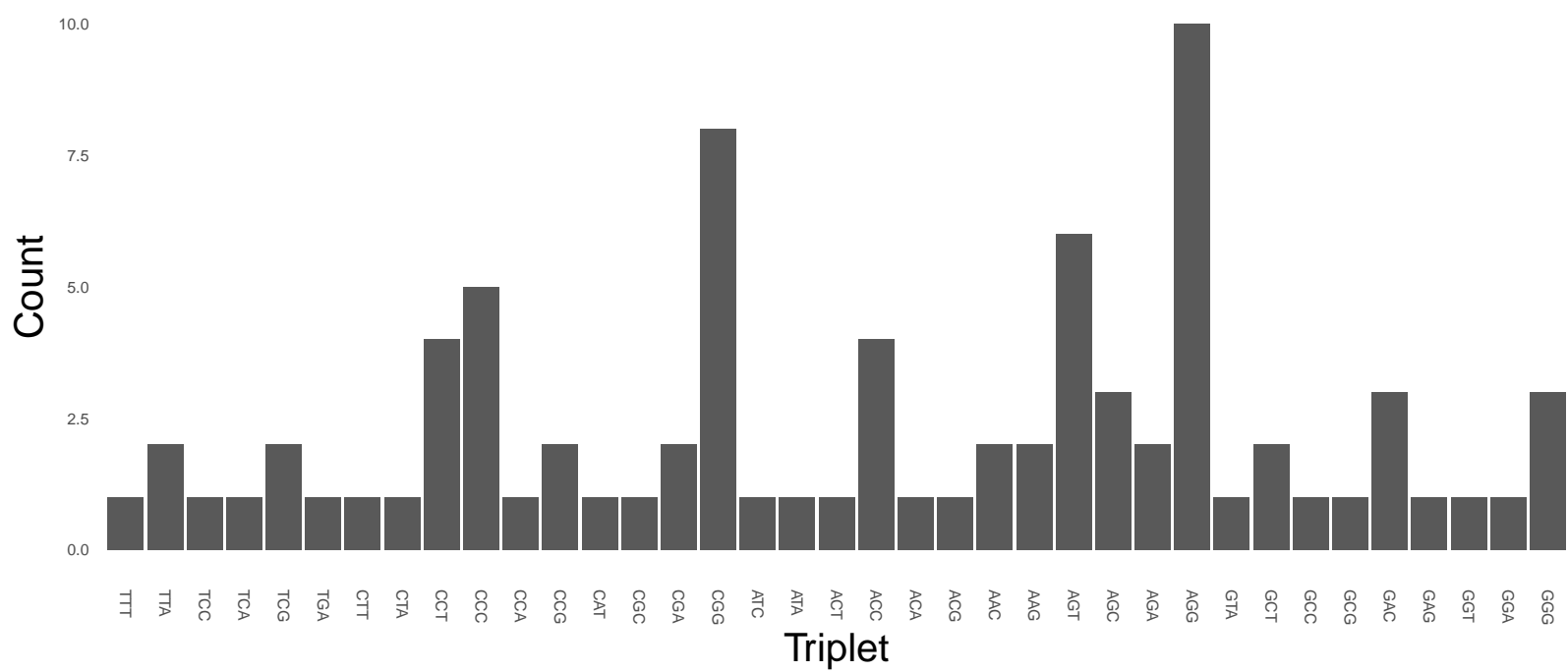
Gene TRBV7-1*ap01_G291C_T296C_C314T



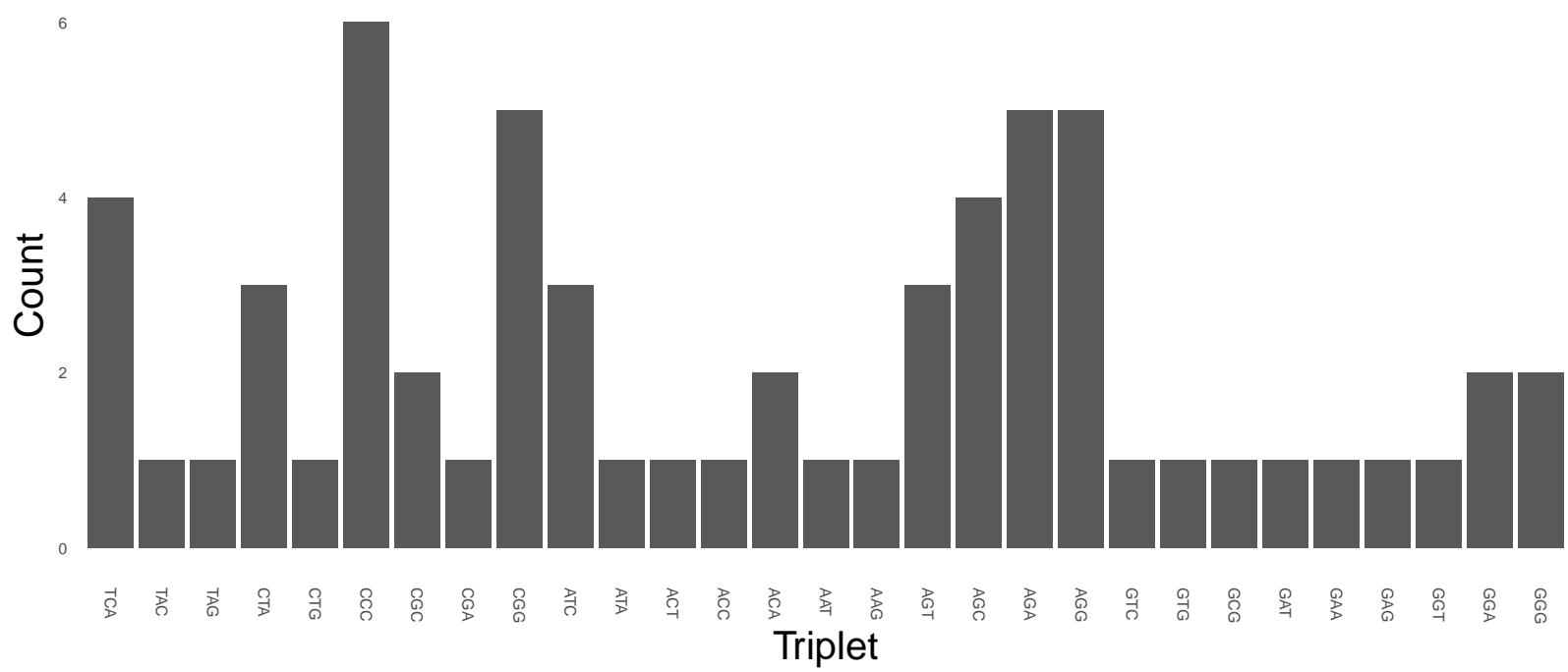
Gene TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

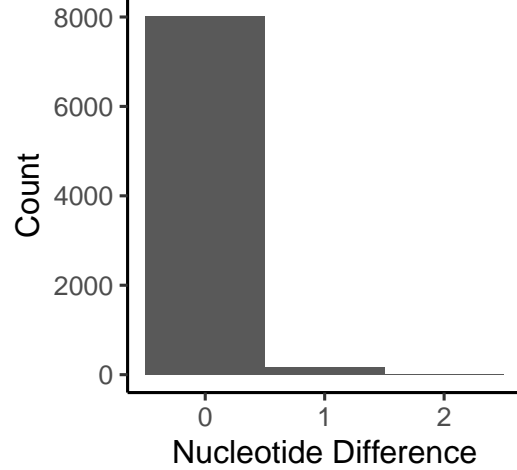


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



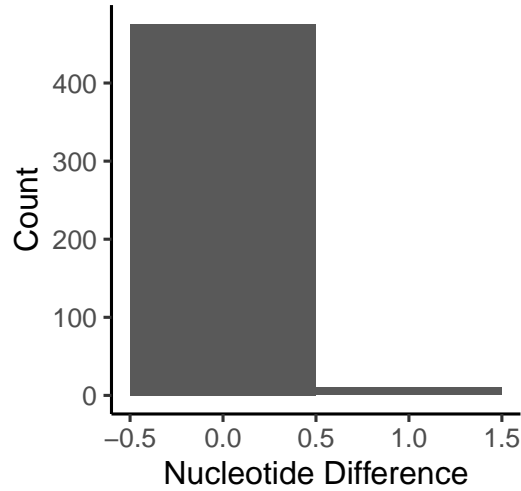
TRBV20–1*ap01

8173 sequences assigned
8013 (98%) exact matches, in which:
7845 unique CDR3
13 unique J



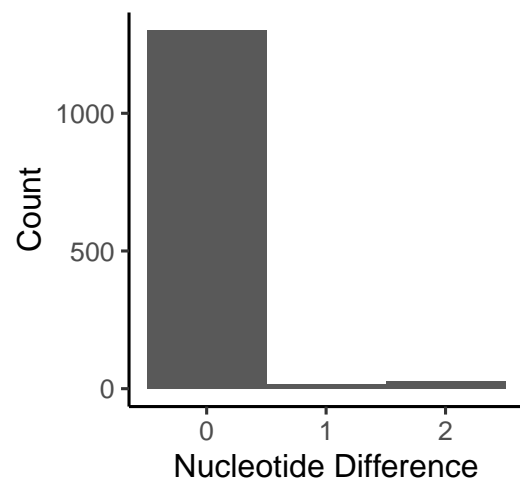
TRBV10–2*ap01

486 sequences assigned
476 (97.9%) exact matches, in which:
465 unique CDR3
13 unique J



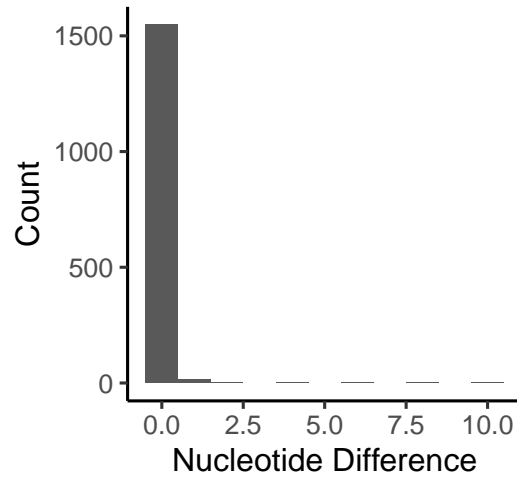
TRBV13*ap01

1344 sequences assigned
1301 (96.8%) exact matches, in which:
1250 unique CDR3
13 unique J



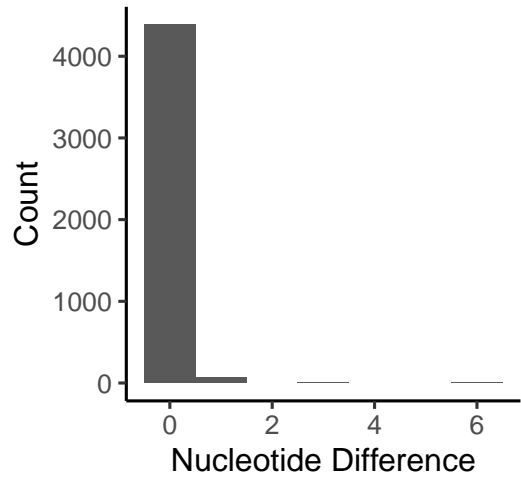
TRBV10–1*ap01

1571 sequences assigned
1548 (98.5%) exact matches, in which:
1506 unique CDR3
13 unique J



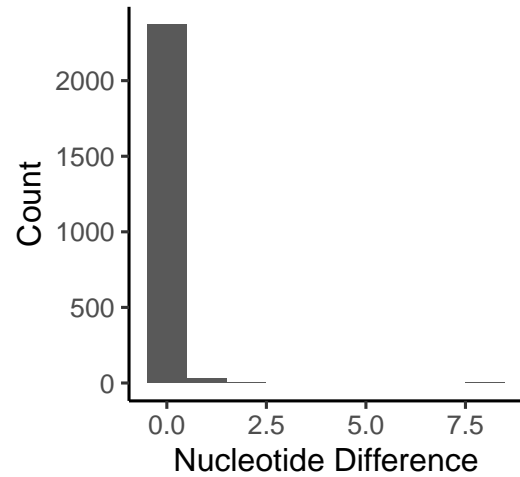
TRBV10–3*ap01

4459 sequences assigned
4386 (98.4%) exact matches, in which:
4290 unique CDR3
13 unique J



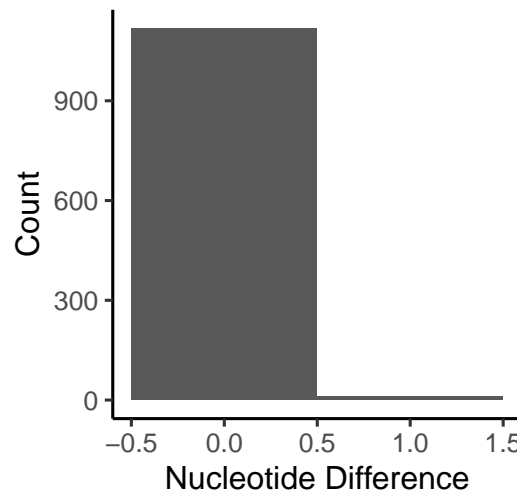
TRBV14*ap01

2402 sequences assigned
2370 (98.7%) exact matches, in which:
2319 unique CDR3
13 unique J



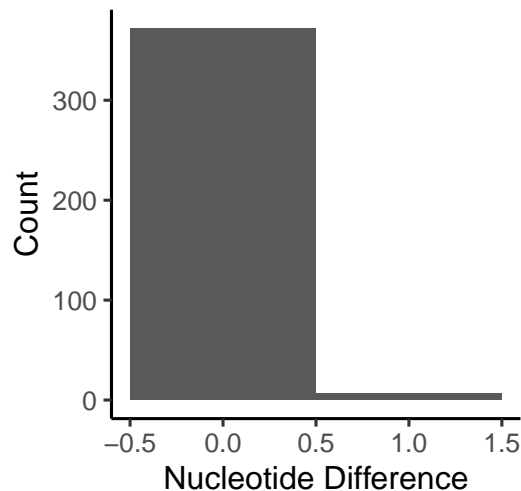
TRBV20–1*ap02

1129 sequences assigned
1118 (99%) exact matches, in which:
1086 unique CDR3
13 unique J



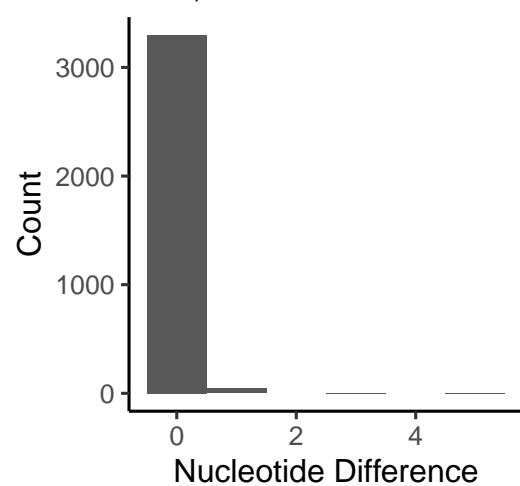
TRBV1*ap01

379 sequences assigned
372 (98.2%) exact matches, in which:
361 unique CDR3
13 unique J



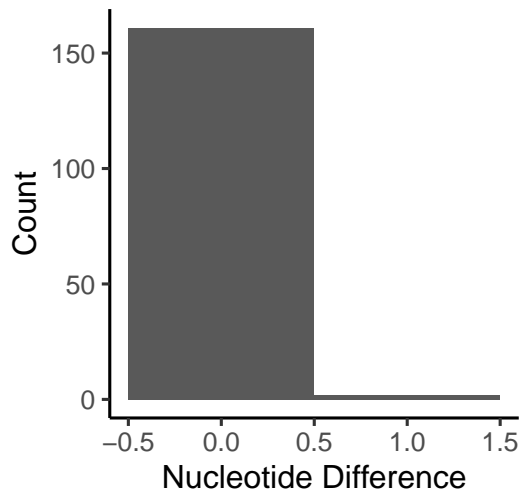
TRBV15*ap02

3343 sequences assigned
3298 (98.7%) exact matches, in which:
3197 unique CDR3
13 unique J



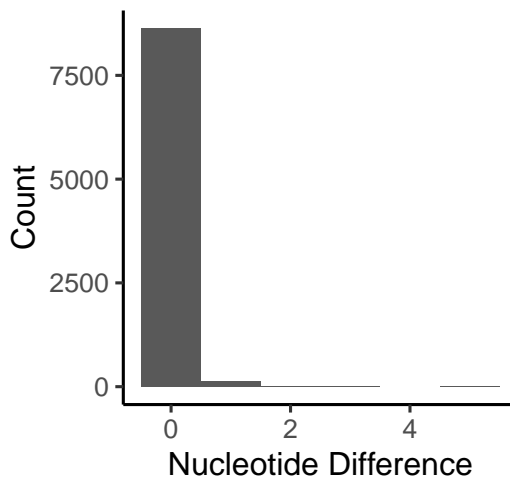
TRBV16*ap01

163 sequences assigned
161 (98.8%) exact matches, in which:
160 unique CDR3
13 unique J



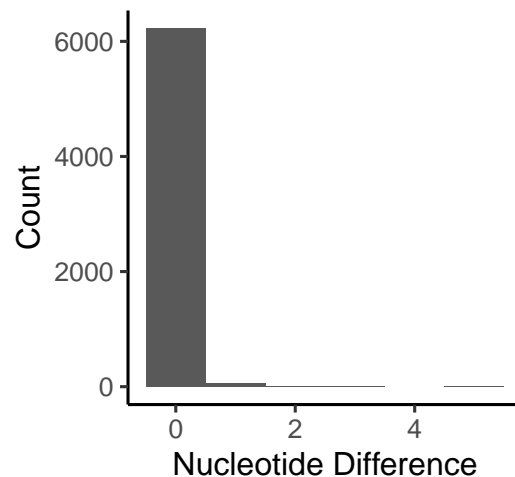
TRBV2*ap01

8768 sequences assigned
8631 (98.4%) exact matches, in which:
8399 unique CDR3
13 unique J



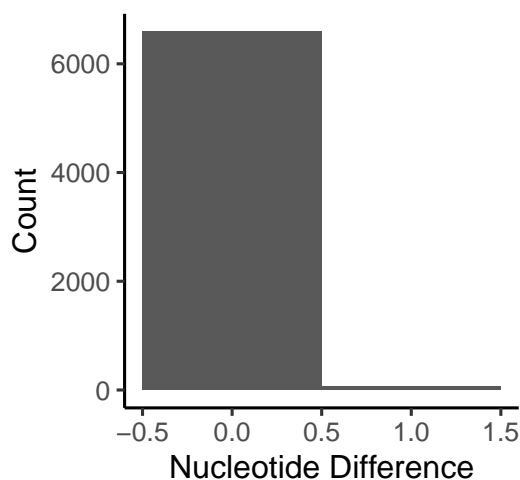
TRBV28*ap01

6298 sequences assigned
6225 (98.8%) exact matches, in which:
6128 unique CDR3
13 unique J



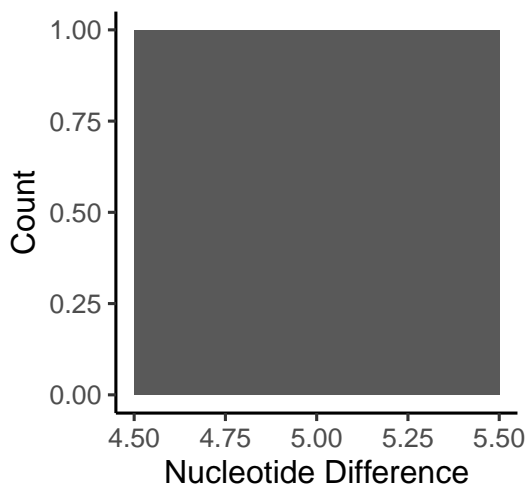
TRBV18*ap01

6653 sequences assigned
6590 (99.1%) exact matches, in which:
6477 unique CDR3
13 unique J



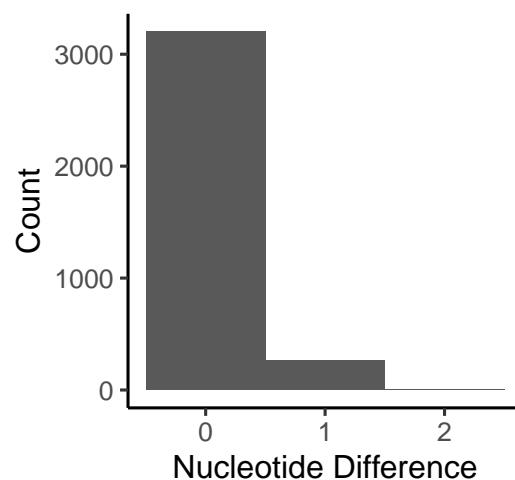
TRBV26*ap01

1 sequences assigned
No exact matches.



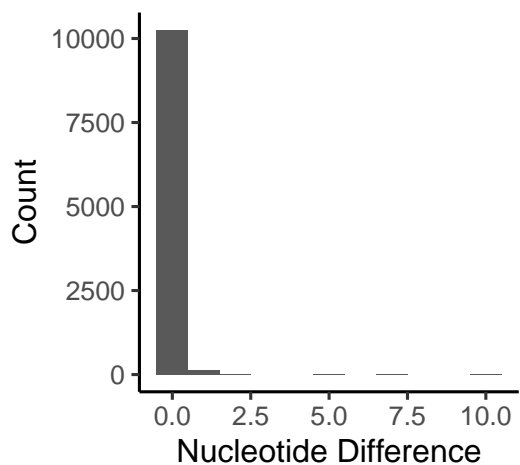
TRBV30*ap01

3468 sequences assigned
3201 (92.3%) exact matches, in which:
3115 unique CDR3
13 unique J



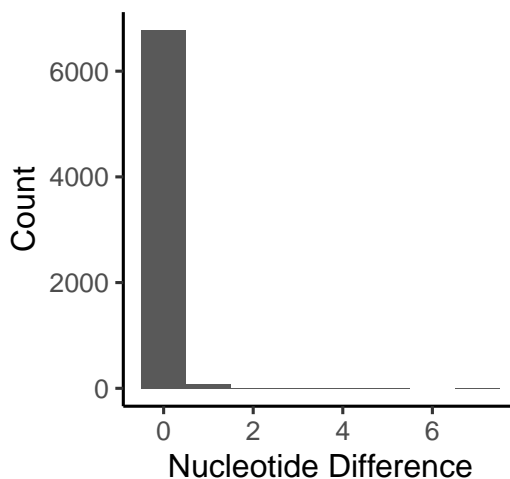
TRBV19*ap01

10397 sequences assigned
10259 (98.7%) exact matches, in which:
10109 unique CDR3
13 unique J



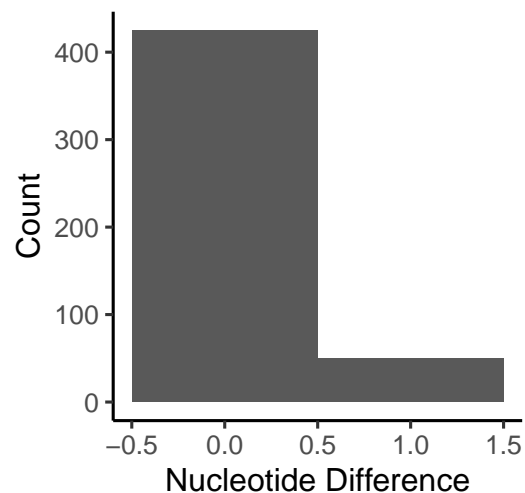
TRBV27*ap01

6868 sequences assigned
6778 (98.7%) exact matches, in which:
6647 unique CDR3
13 unique J



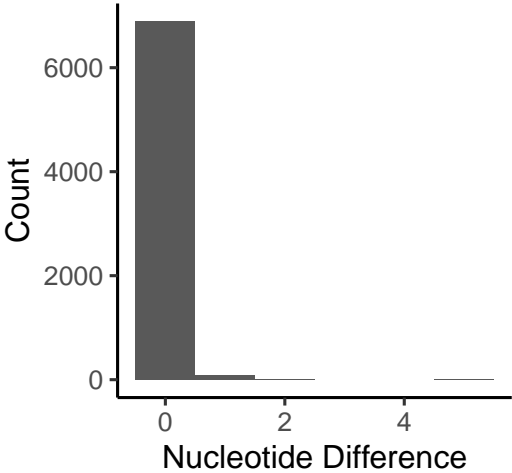
TRBV30*ap03

475 sequences assigned
425 (89.5%) exact matches, in which:
413 unique CDR3
13 unique J



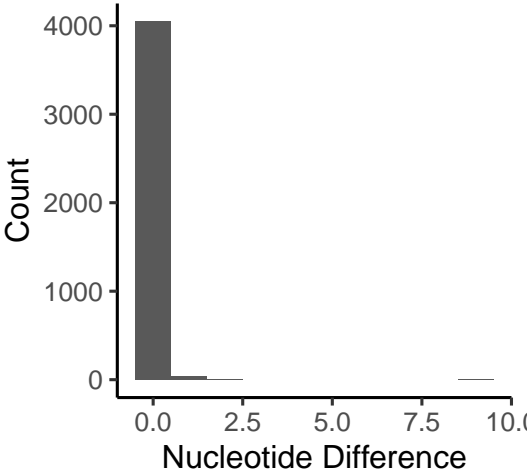
TRBV9*ap01

6985 sequences assigned
6890 (98.6%) exact matches, in which:
6751 unique CDR3
13 unique J



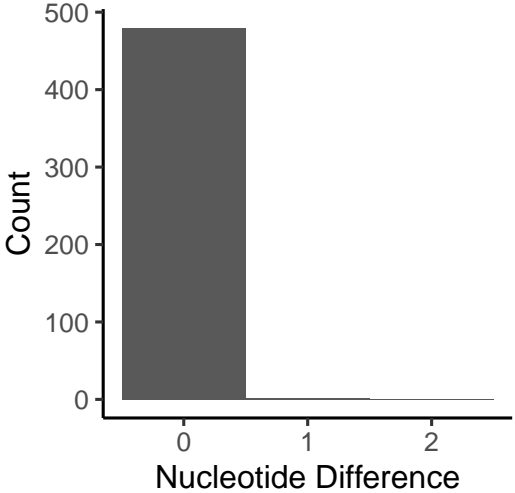
TRBV11-2*ap01

4090 sequences assigned
4049 (99%) exact matches, in which:
3944 unique CDR3
13 unique J



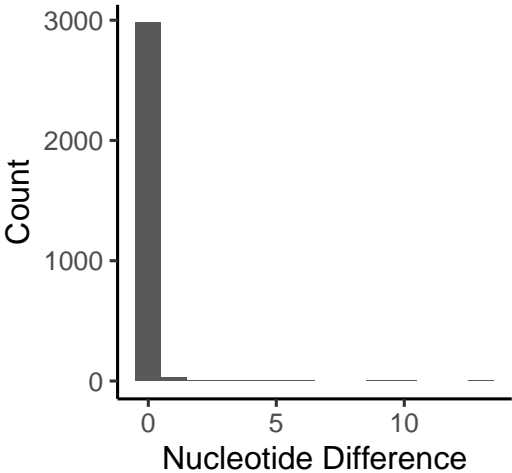
TRBV12-2*ap01

483 sequences assigned
480 (99.4%) exact matches, in which:
473 unique CDR3
13 unique J



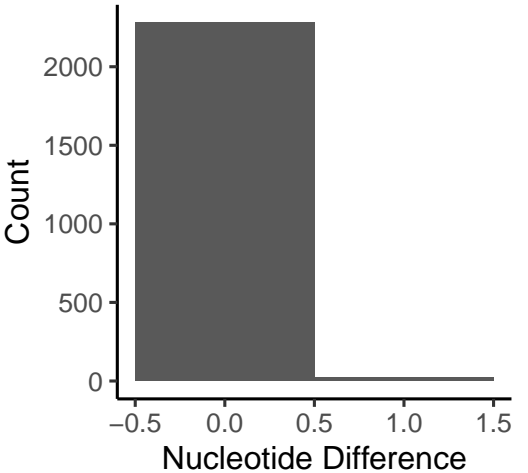
TRBV21-1*ap01

3026 sequences assigned
2979 (98.4%) exact matches, in which:
2948 unique CDR3
13 unique J



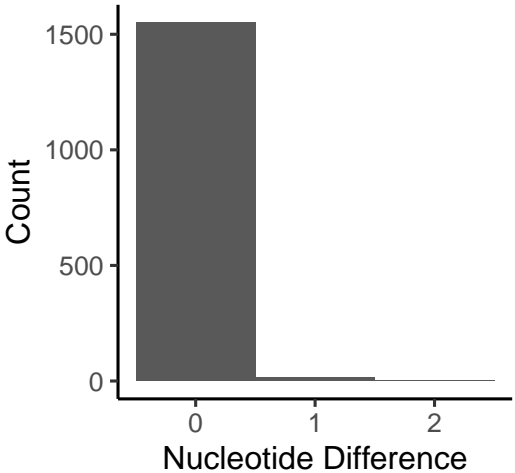
TRBV11-3*ap01

2305 sequences assigned
2280 (98.9%) exact matches, in which:
2227 unique CDR3
13 unique J



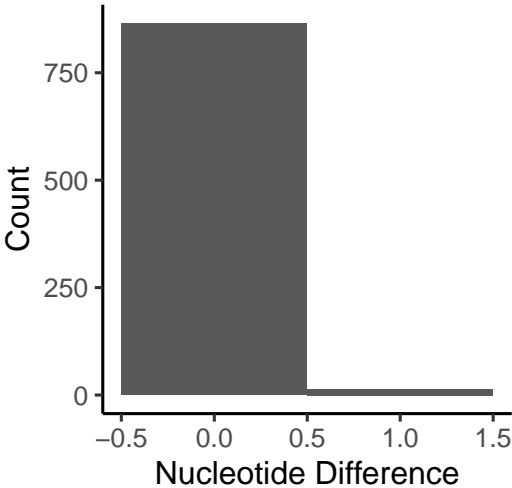
TRBV12-5*ap01

1565 sequences assigned
1550 (99%) exact matches, in which:
1507 unique CDR3
13 unique J



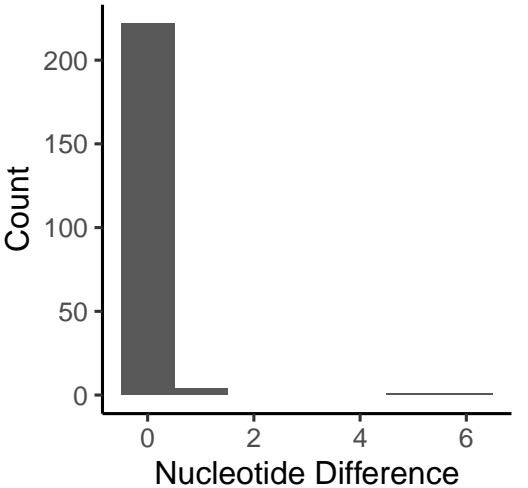
TRBV11-1*ap01

879 sequences assigned
865 (98.4%) exact matches, in which:
851 unique CDR3
13 unique J



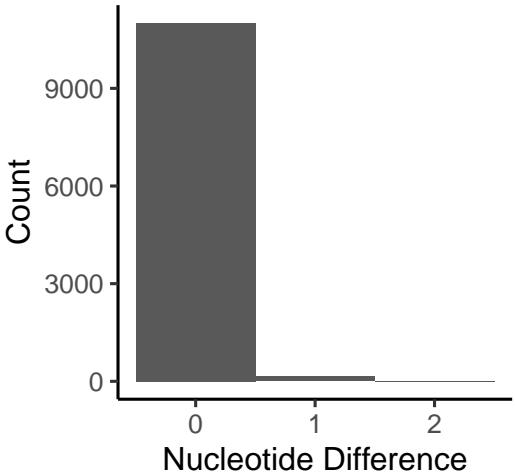
TRBV12-1*ap01

228 sequences assigned
222 (97.4%) exact matches, in which:
218 unique CDR3
13 unique J



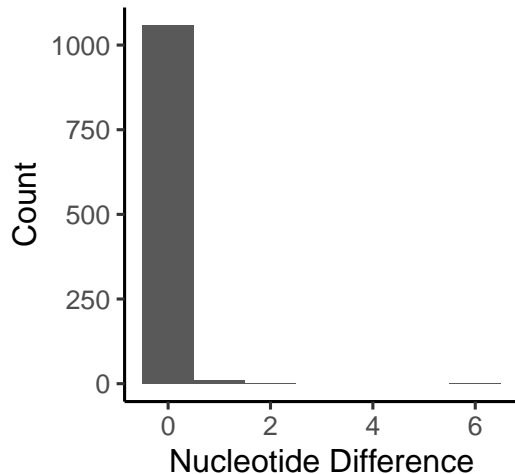
TRBV12-34*ap01

11156 sequences assigned
11006 (98.7%) exact matches, in which:
10727 unique CDR3
13 unique J



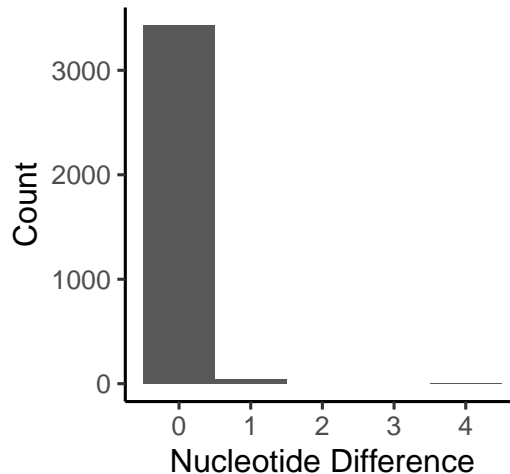
TRBV23-1*ap01

1070 sequences assigned
1058 (98.9%) exact matches, in which:
1055 unique CDR3
13 unique J



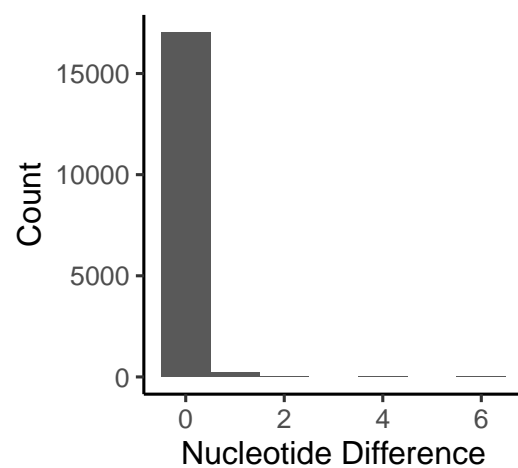
TRBV24-1*ap01

3471 sequences assigned
3430 (98.8%) exact matches, in which:
3351 unique CDR3
13 unique J



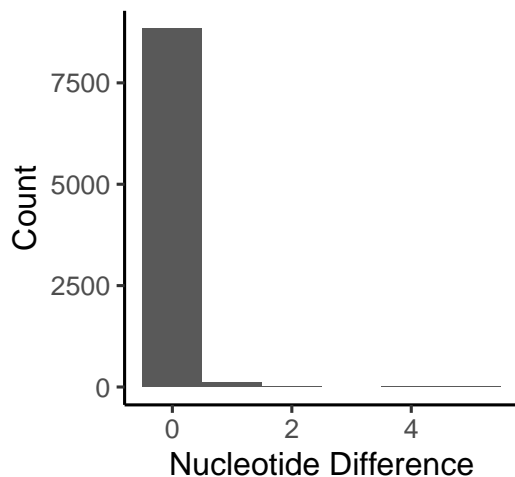
TRBV5-1*ap01

17296 sequences assigned
17045 (98.5%) exact matches, in which:
16490 unique CDR3
13 unique J



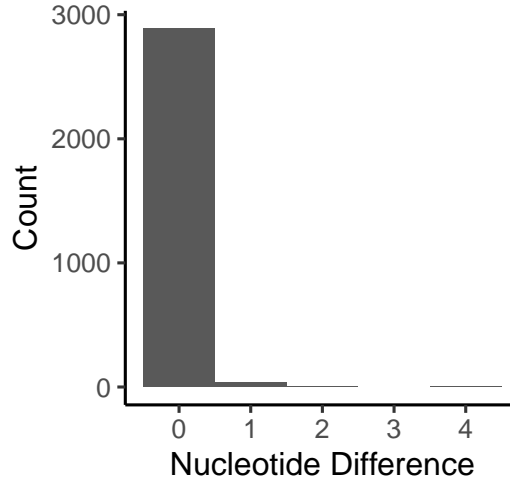
TRBV3-12*ap01

8946 sequences assigned
8835 (98.8%) exact matches, in which:
8631 unique CDR3
13 unique J



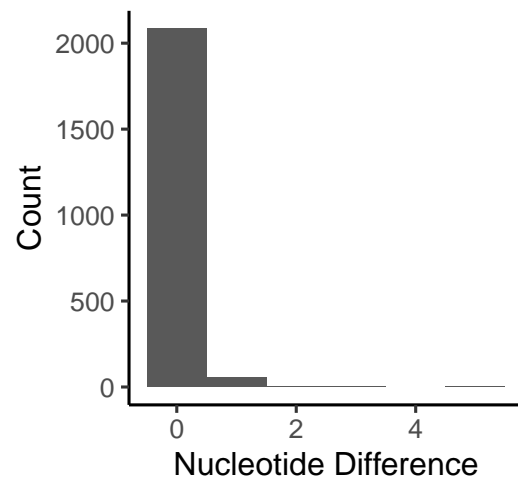
TRBV4-2*ap01

2927 sequences assigned
2887 (98.6%) exact matches, in which:
2811 unique CDR3
13 unique J



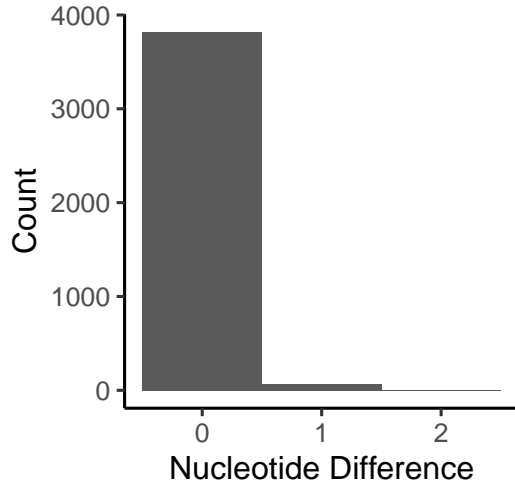
TRBV25-1*ap01

2142 sequences assigned
2084 (97.3%) exact matches, in which:
2042 unique CDR3
13 unique J



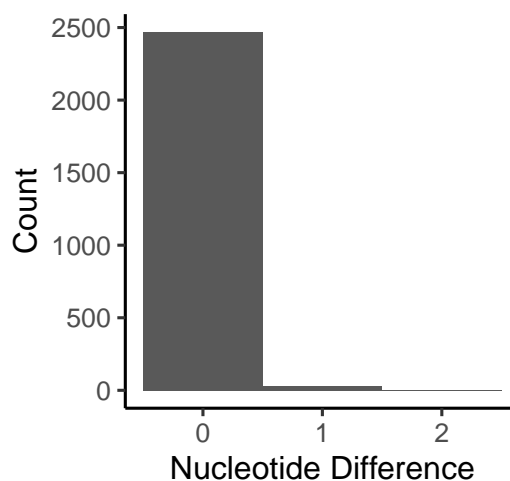
TRBV4-1*ap01

3884 sequences assigned
3818 (98.3%) exact matches, in which:
3701 unique CDR3
13 unique J



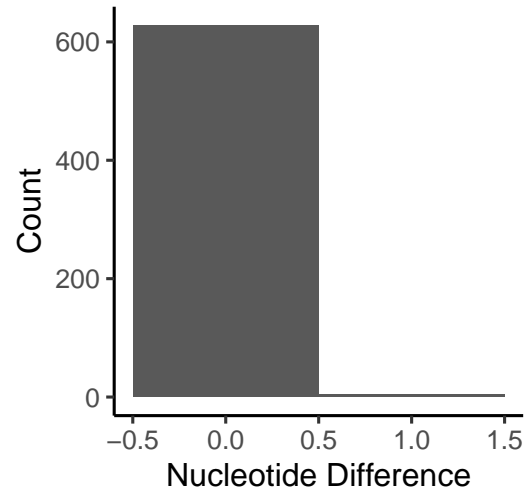
TRBV4-3*ap01

2498 sequences assigned
2469 (98.8%) exact matches, in which:
2405 unique CDR3
13 unique J



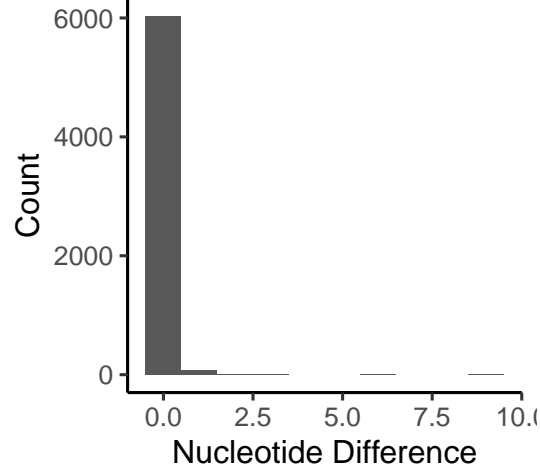
TRBV5-3*ap01

633 sequences assigned
628 (99.2%) exact matches, in which:
610 unique CDR3
13 unique J



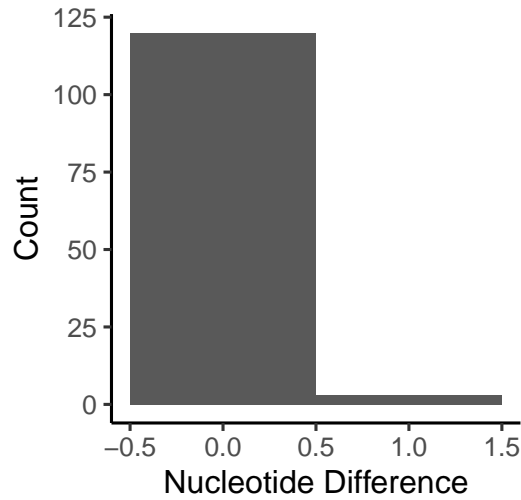
TRBV5-4*ap01

6110 sequences assigned
6026 (98.6%) exact matches, in which:
5862 unique CDR3
13 unique J



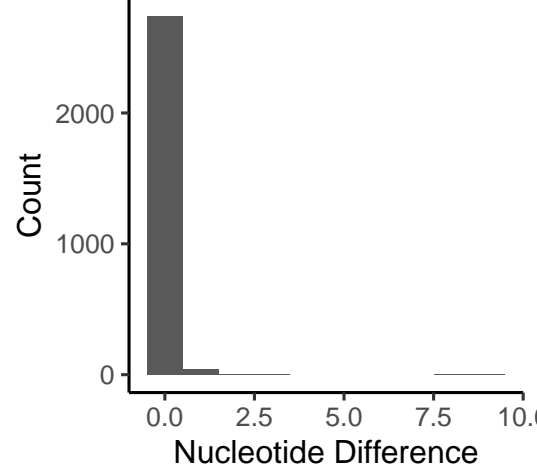
TRBV5-7*ap01

123 sequences assigned
120 (97.6%) exact matches, in which:
117 unique CDR3
12 unique J



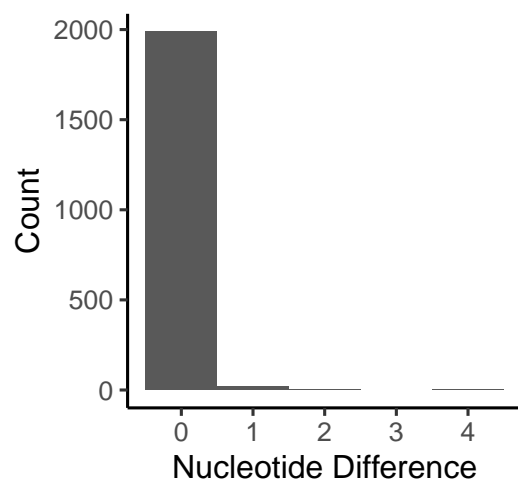
TRBV6-4*ap01

2790 sequences assigned
2738 (98.1%) exact matches, in which:
2680 unique CDR3
13 unique J



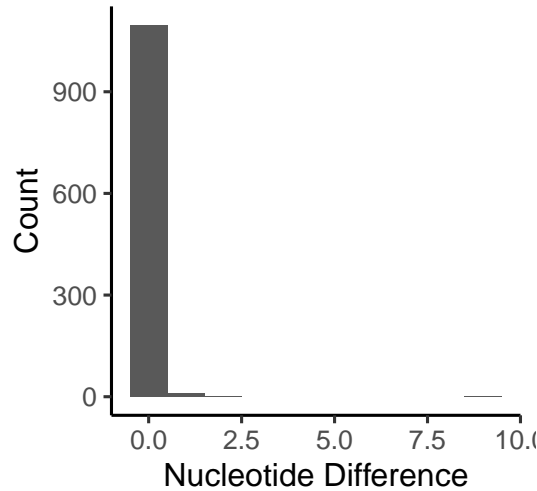
TRBV5-5*ap01

2014 sequences assigned
1988 (98.7%) exact matches, in which:
1967 unique CDR3
13 unique J



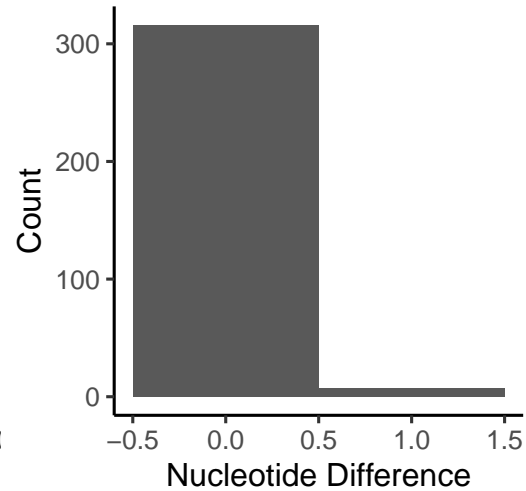
TRBV5-8*ap01

1108 sequences assigned
1097 (99%) exact matches, in which:
1074 unique CDR3
13 unique J



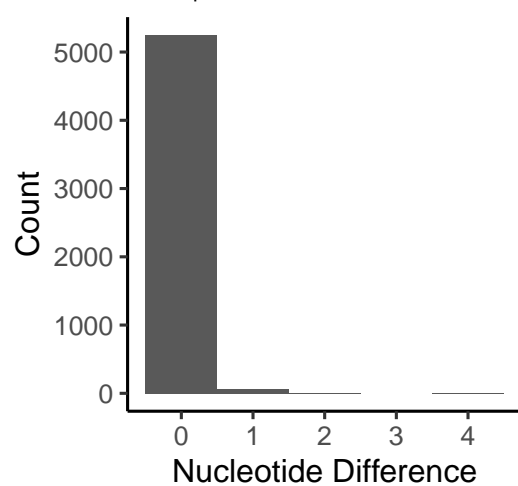
TRBV6-7*ap01

323 sequences assigned
316 (97.8%) exact matches, in which:
308 unique CDR3
13 unique J



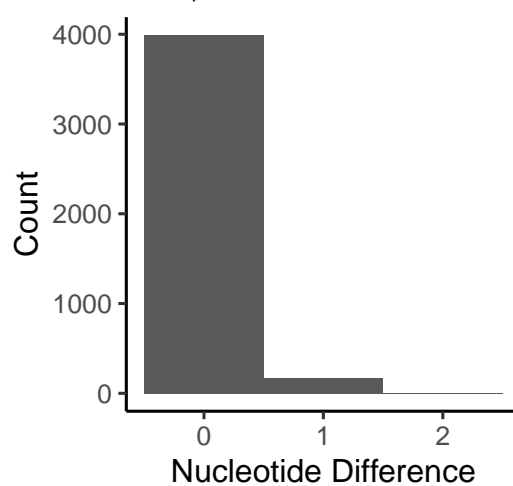
TRBV5-6*ap01

5314 sequences assigned
5249 (98.8%) exact matches, in which:
5061 unique CDR3
13 unique J



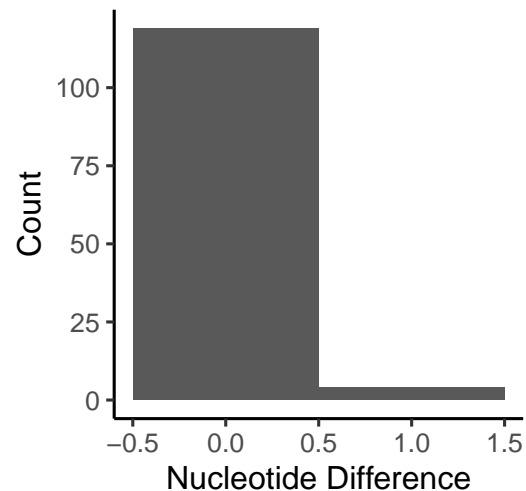
TRBV6-1*ap01

4161 sequences assigned
3991 (95.9%) exact matches, in which:
3846 unique CDR3
13 unique J



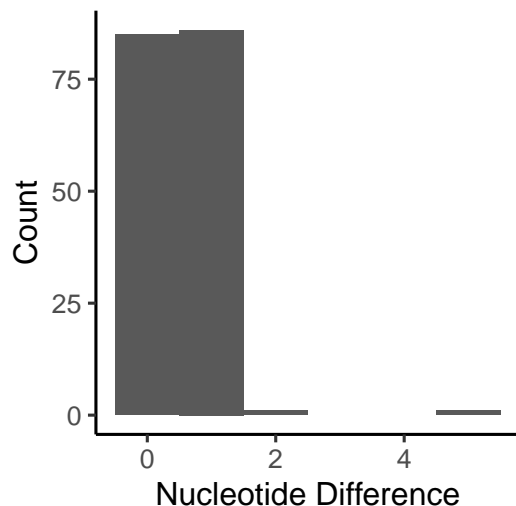
TRBV6-8*ap01

123 sequences assigned
119 (96.7%) exact matches, in which:
117 unique CDR3
13 unique J



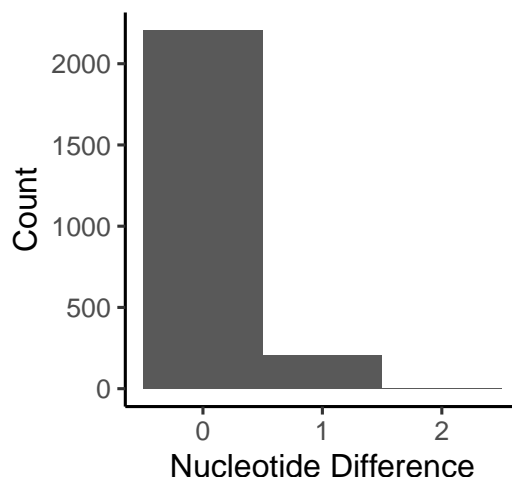
TRBV6–9*ap01

173 sequences assigned
85 (49.1%) exact matches, in which:
82 unique CDR3
13 unique J



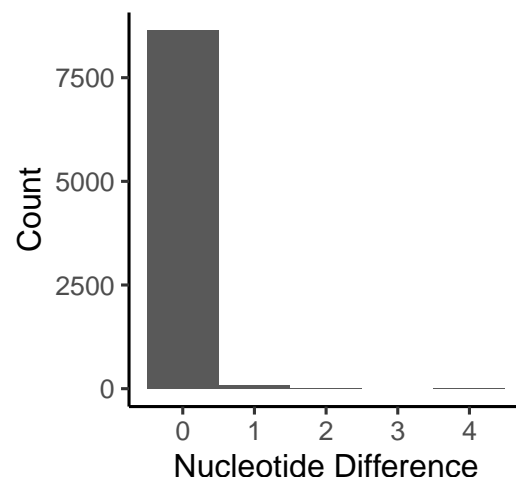
TRBV6–56*ap02

2415 sequences assigned
2205 (91.3%) exact matches, in which:
2129 unique CDR3
13 unique J



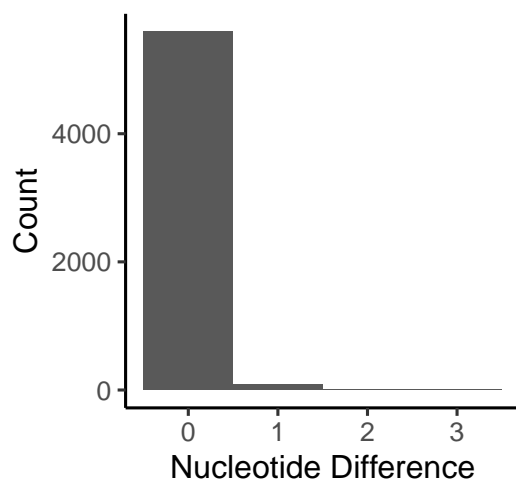
TRBV7–2*ap01

8724 sequences assigned
8640 (99%) exact matches, in which:
8466 unique CDR3
13 unique J



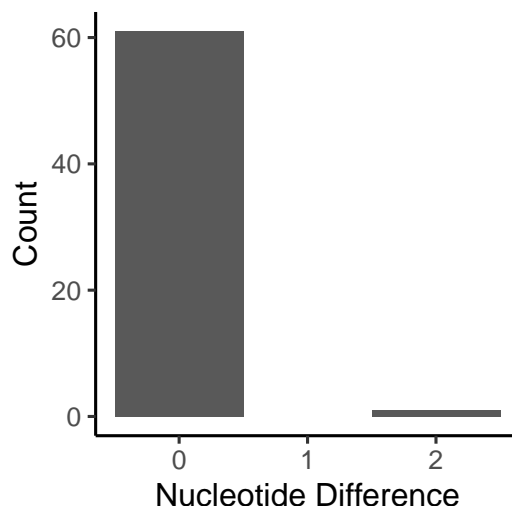
TRBV6–23*ap01

5678 sequences assigned
5592 (98.5%) exact matches, in which:
5380 unique CDR3
13 unique J



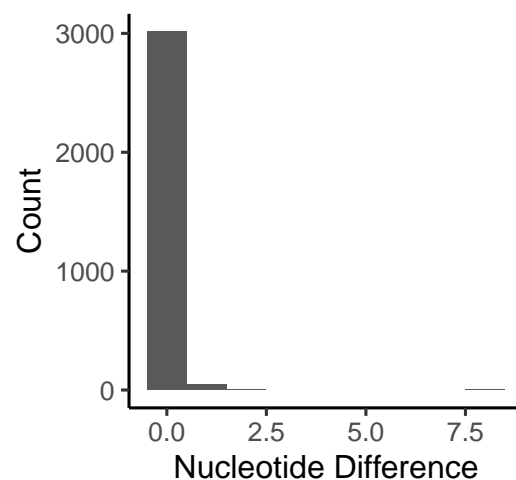
TRBV7–1*ap01_G291C_T

62 sequences assigned
61 (98.4%) exact matches, in which:
59 unique CDR3
12 unique J



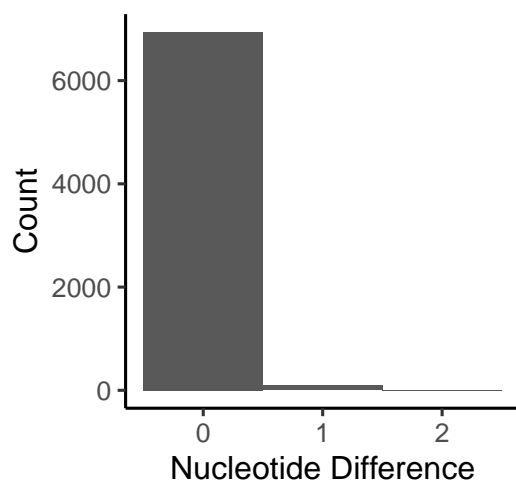
TRBV7–3*ap01

3062 sequences assigned
3014 (98.4%) exact matches, in which:
2952 unique CDR3
13 unique J



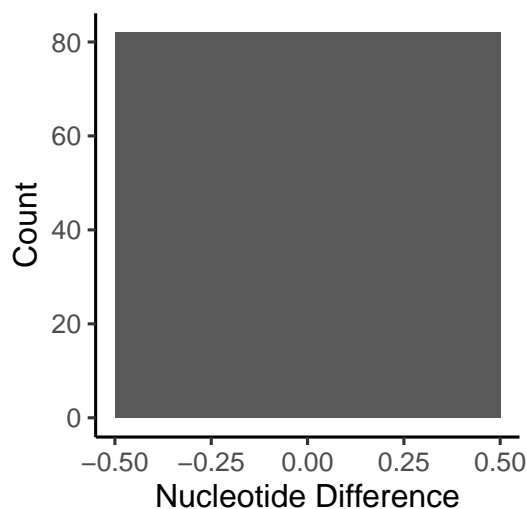
TRBV6–56*ap01

7037 sequences assigned
6941 (98.6%) exact matches, in which:
6670 unique CDR3
13 unique J



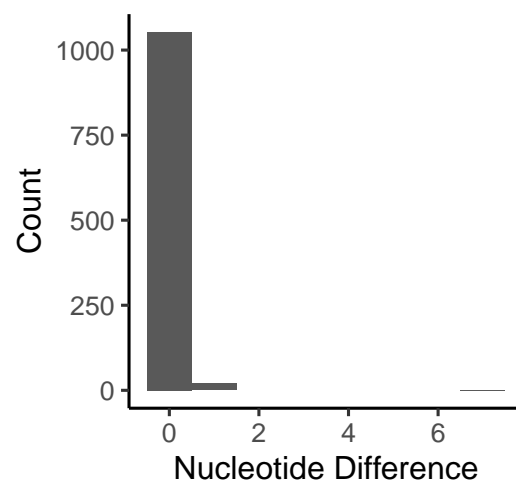
TRBV7–1*ap01_G291C_T

82 sequences assigned
82 (100%) exact matches, in which:
81 unique CDR3
11 unique J



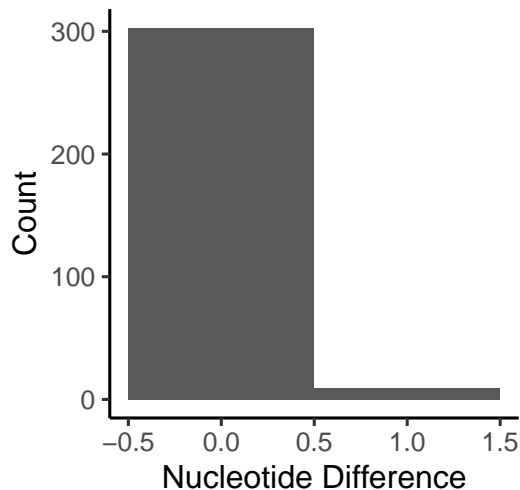
TRBV7–3*ap03

1074 sequences assigned
1053 (98%) exact matches, in which:
1025 unique CDR3
13 unique J



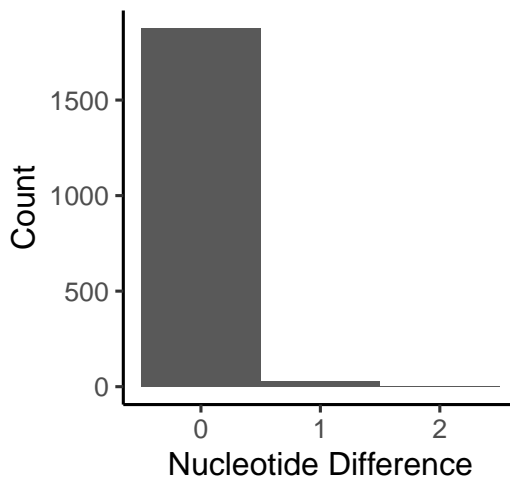
TRBV7-4*ap01

312 sequences assigned
303 (97.1%) exact matches, in which:
296 unique CDR3
13 unique J



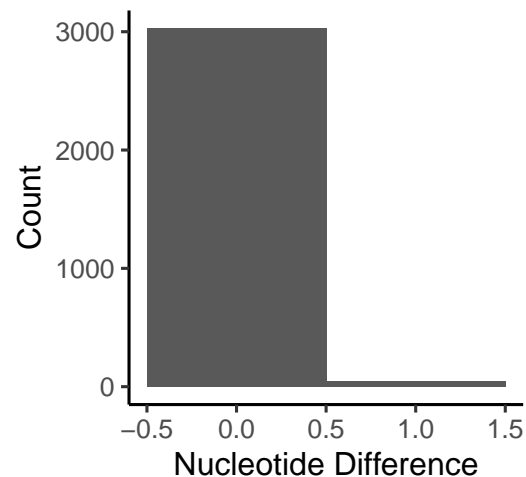
TRBV7-8*ap01

1904 sequences assigned
1875 (98.5%) exact matches, in which:
1827 unique CDR3
13 unique J



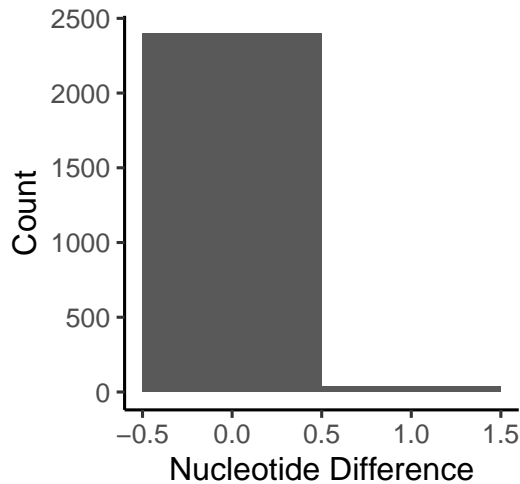
TRBV29-1*ap01

3078 sequences assigned
3028 (98.4%) exact matches, in which:
2928 unique CDR3
13 unique J



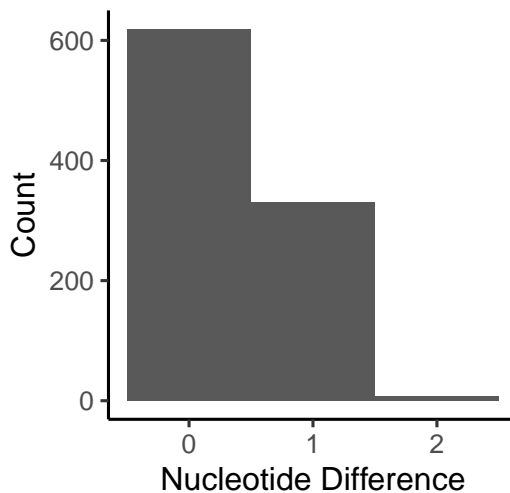
TRBV7-6*ap01

2434 sequences assigned
2397 (98.5%) exact matches, in which:
2338 unique CDR3
14 unique J



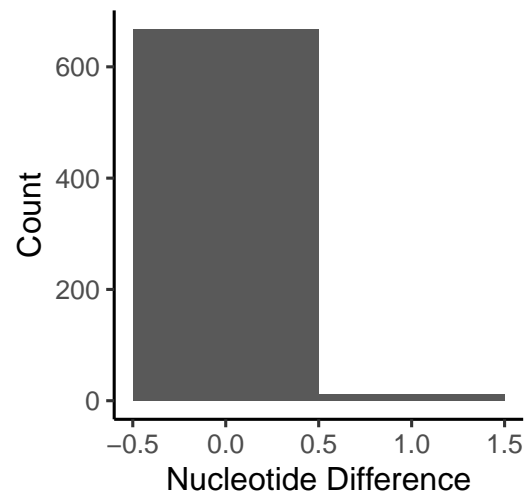
TRBV7-8*ap03

957 sequences assigned
619 (64.7%) exact matches, in which:
603 unique CDR3
13 unique J



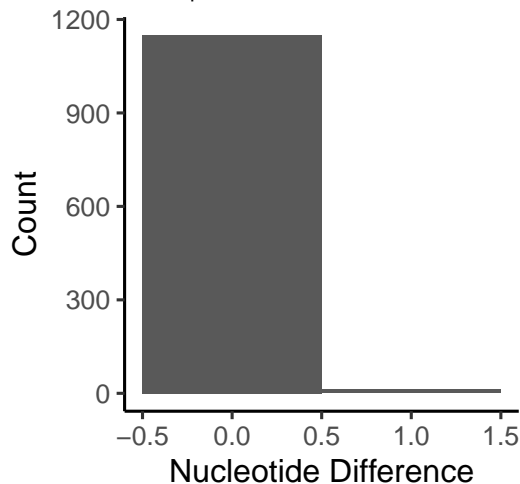
TRBV29-1*ap02

679 sequences assigned
668 (98.4%) exact matches, in which:
655 unique CDR3
13 unique J



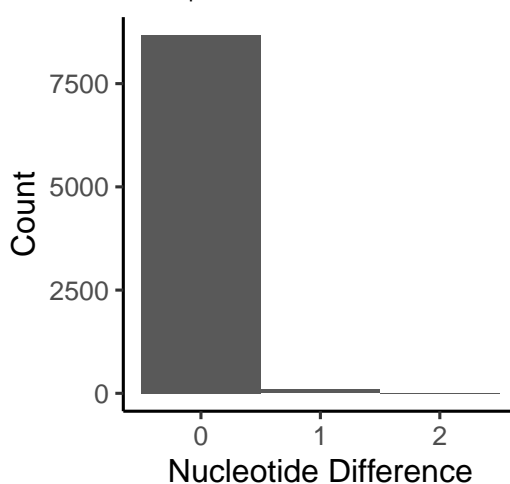
TRBV7-7*ap01

1162 sequences assigned
1150 (99%) exact matches, in which:
1118 unique CDR3
13 unique J

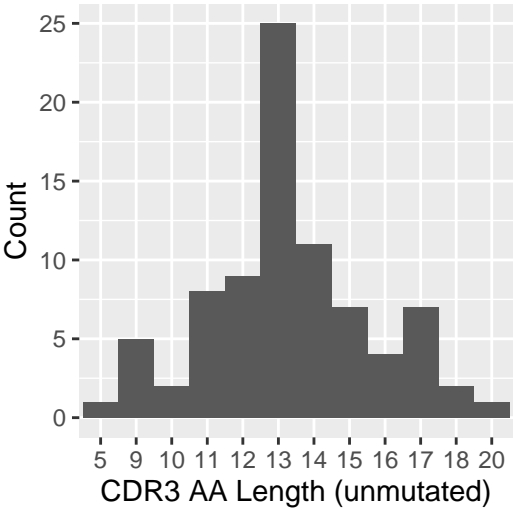


TRBV7-9*ap01

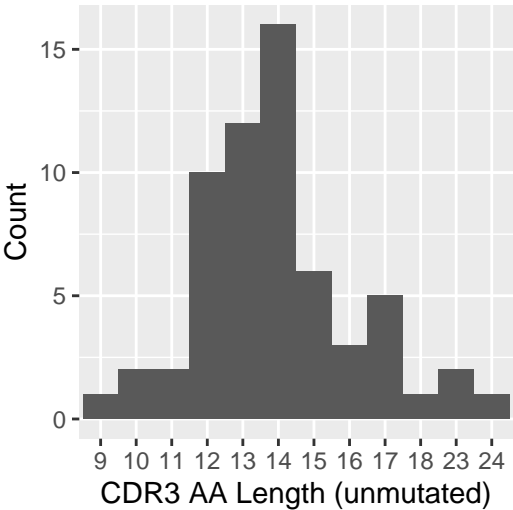
8774 sequences assigned
8677 (98.9%) exact matches, in which:
8425 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C





[illegible]