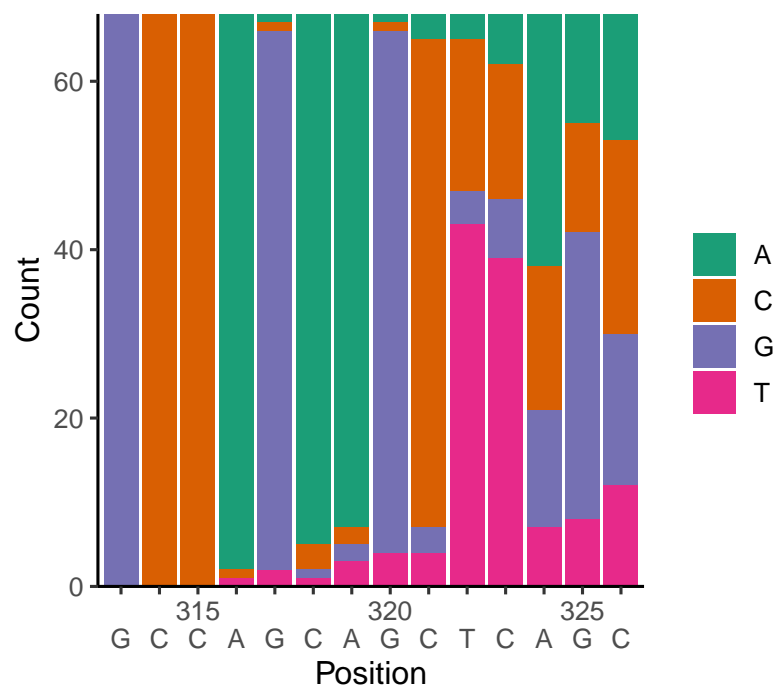
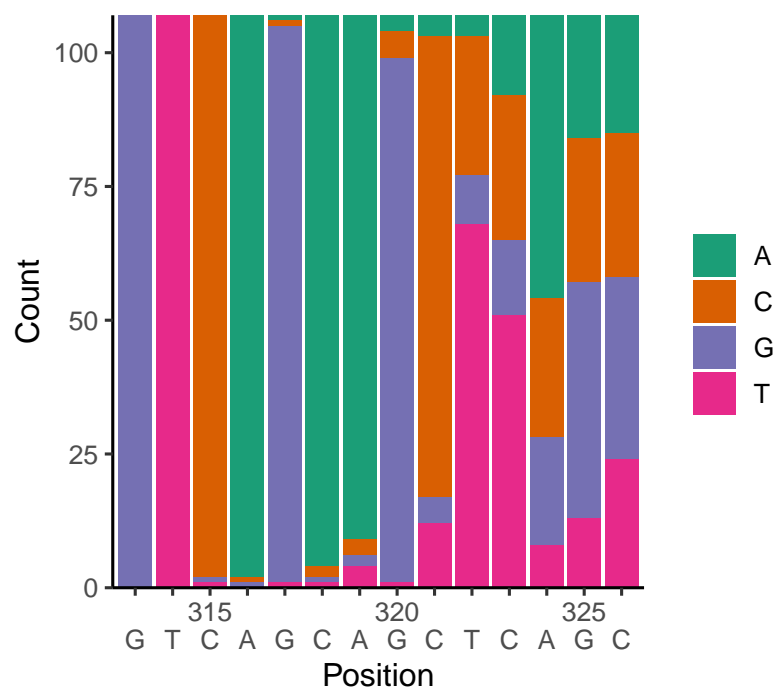


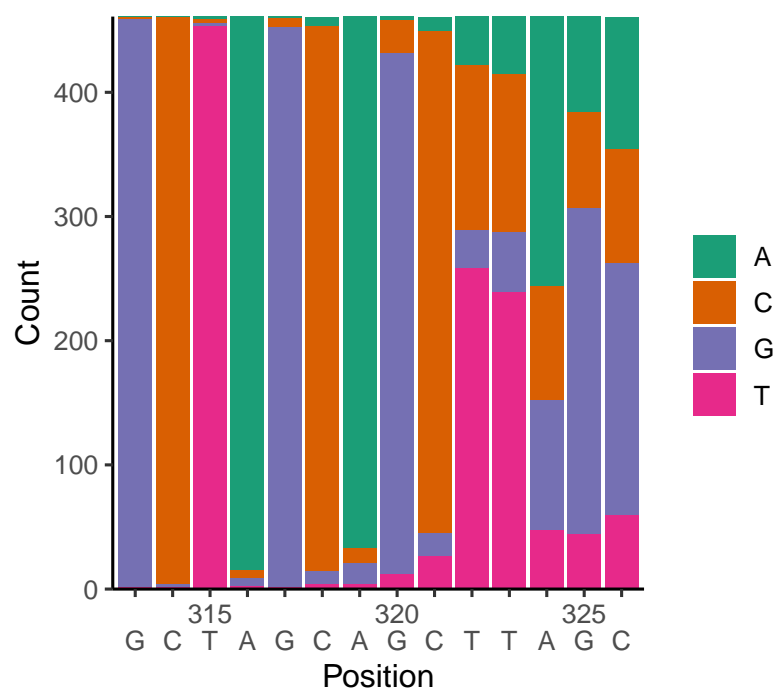
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C



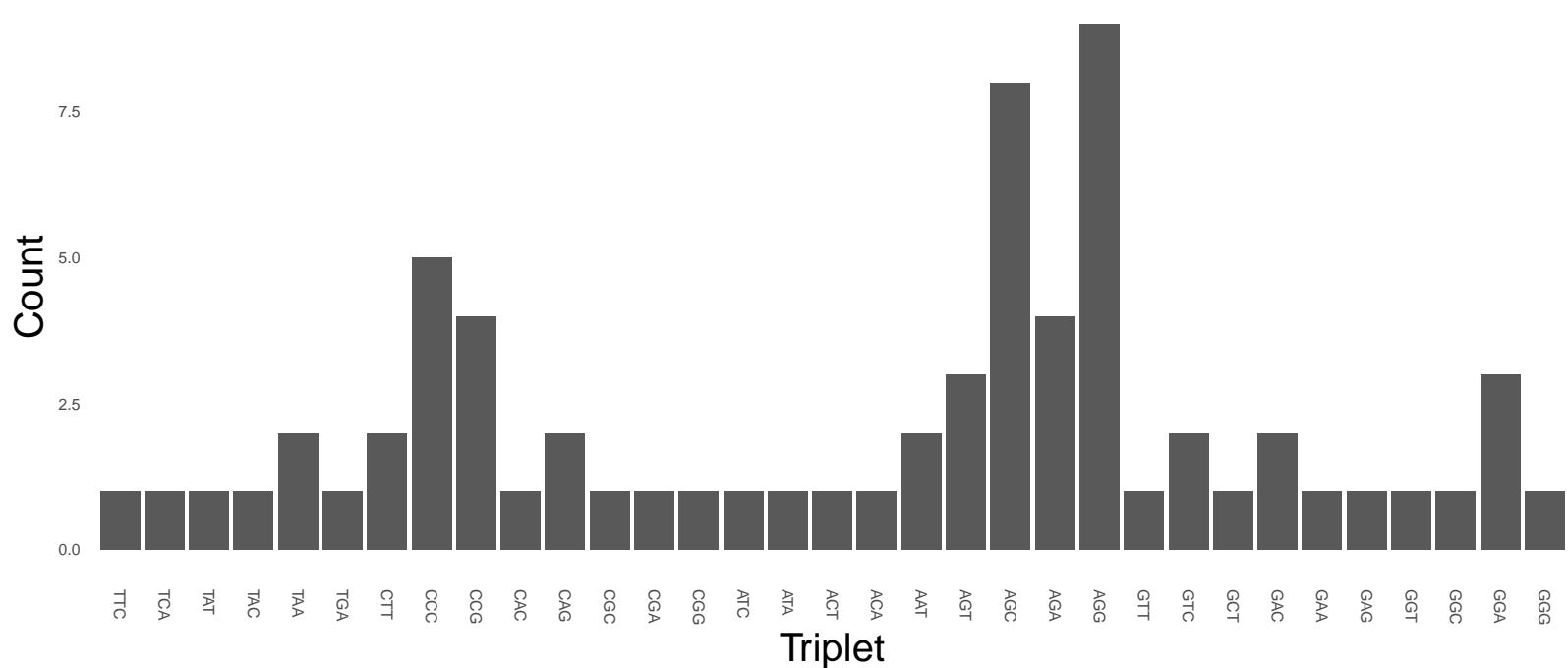
Gene TRBV7-1*ap01_G291C_T296C_C314T



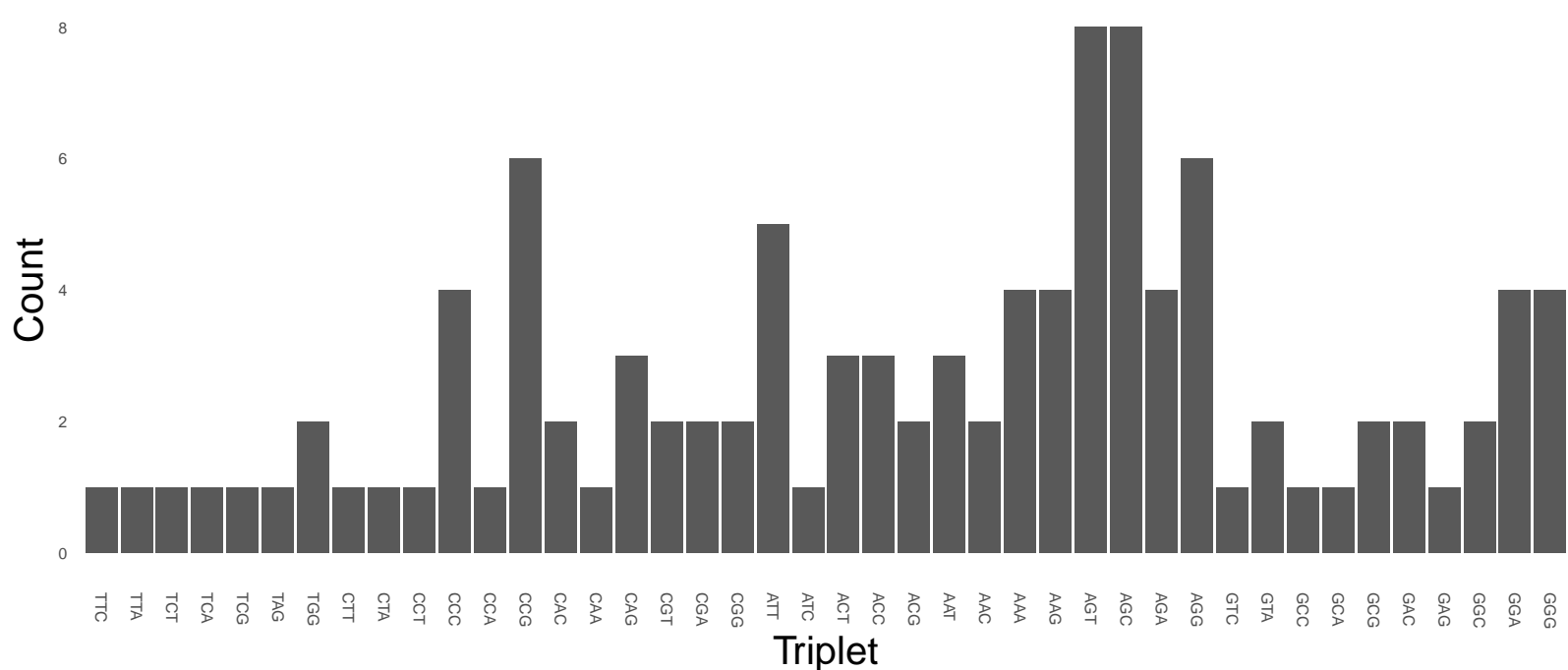
Gene TRBV7-7*ap01_C315T



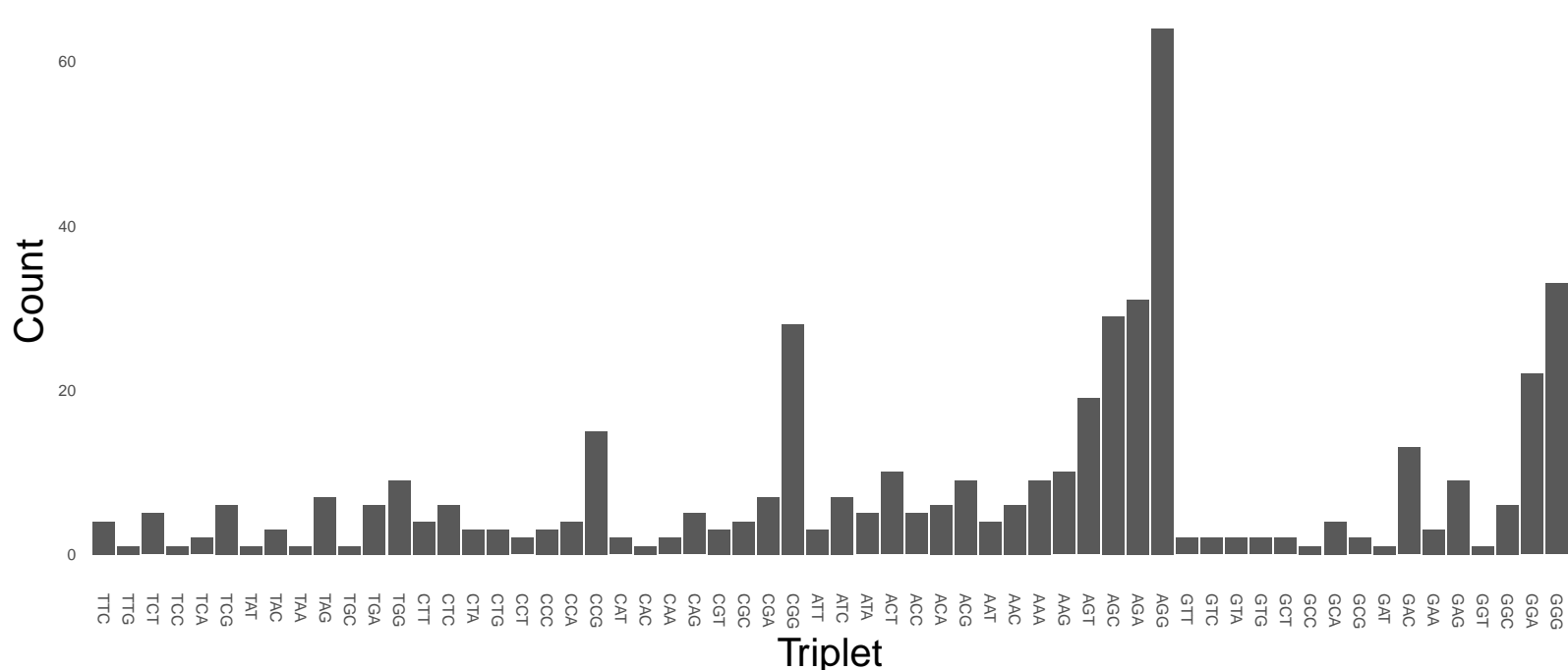
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

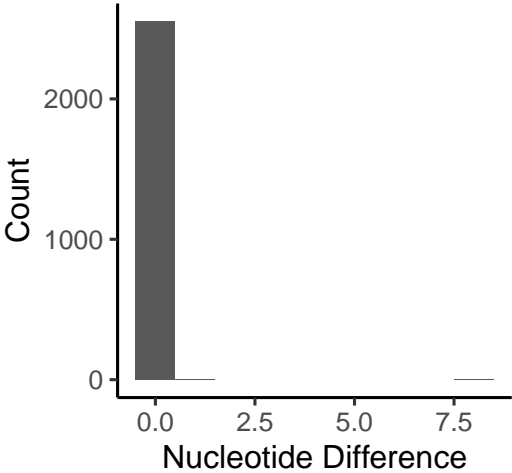


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



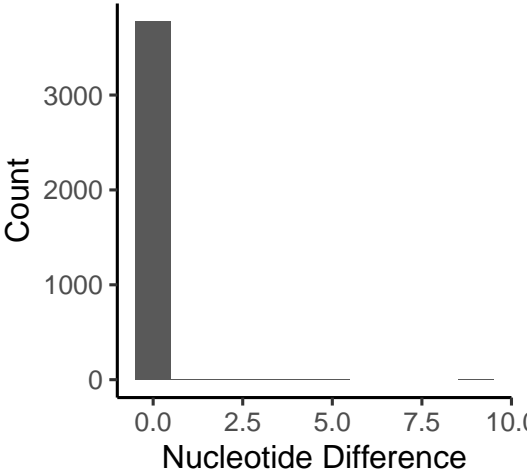
TRBV10-1*ap01

2558 sequences assigned
2552 (99.8%) exact matches, in which:
2545 unique CDR3
12 unique J



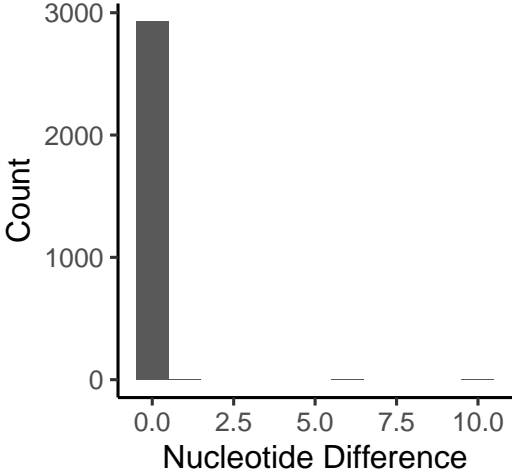
TRBV10-3*ap01

3783 sequences assigned
3776 (99.8%) exact matches, in which:
3774 unique CDR3
12 unique J



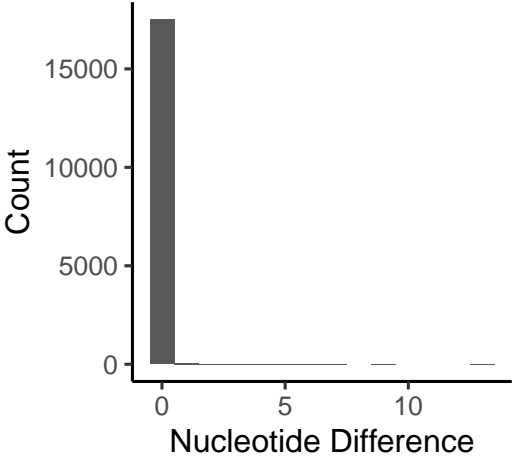
TRBV14*ap01

2932 sequences assigned
2929 (99.9%) exact matches, in which:
2926 unique CDR3
13 unique J



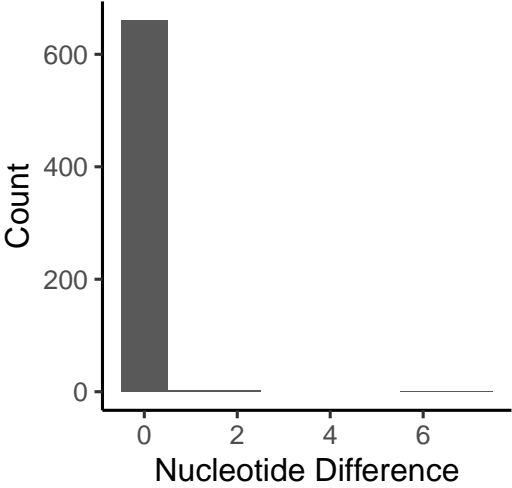
TRBV20-1*ap01

17613 sequences assigned
17511 (99.4%) exact matches, in which:
17441 unique CDR3
13 unique J



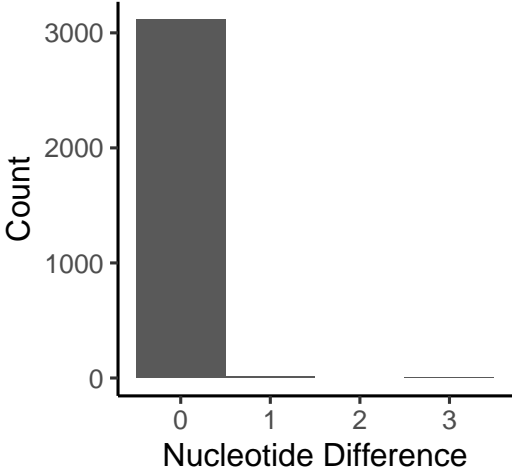
TRBV1*ap01

669 sequences assigned
661 (98.8%) exact matches, in which:
659 unique CDR3
12 unique J



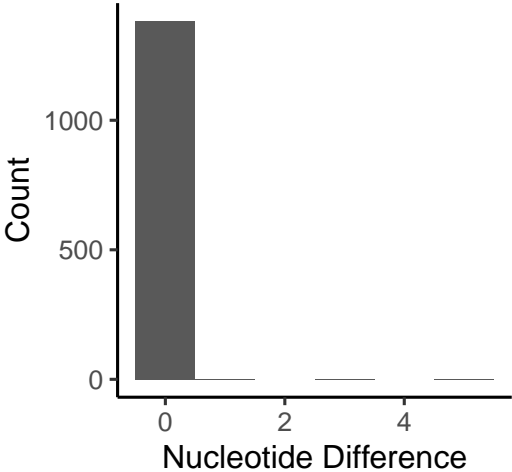
TRBV15*ap02

3127 sequences assigned
3114 (99.6%) exact matches, in which:
3106 unique CDR3
13 unique J



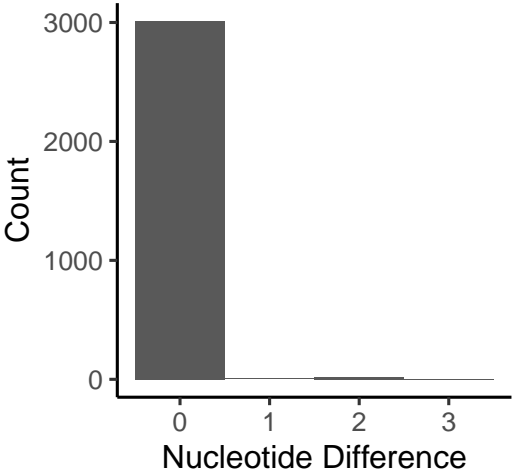
TRBV10-2*ap01

1387 sequences assigned
1383 (99.7%) exact matches, in which:
1382 unique CDR3
12 unique J



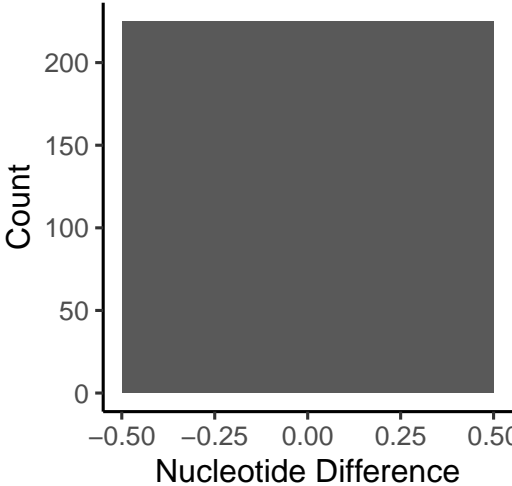
TRBV13*ap01

3039 sequences assigned
3012 (99.1%) exact matches, in which:
3006 unique CDR3
13 unique J



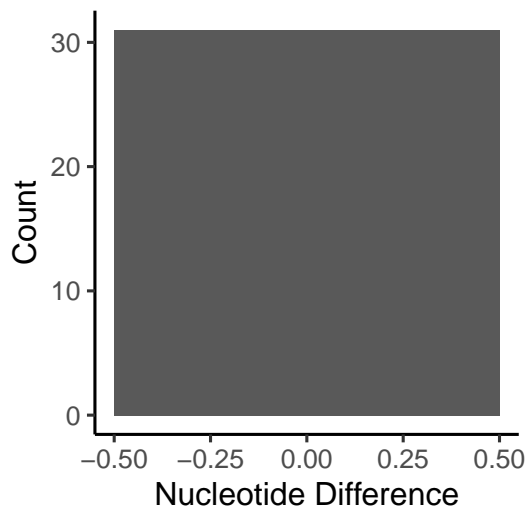
TRBV16*ap01

225 sequences assigned
225 (100%) exact matches, in which:
225 unique CDR3
12 unique J



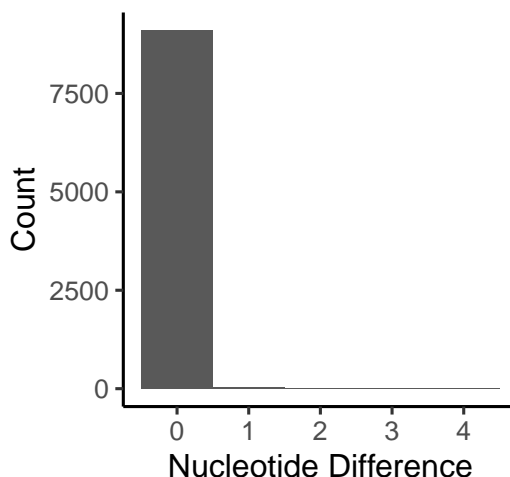
TRBV17*ap01

31 sequences assigned
31 (100%) exact matches, in which:
31 unique CDR3
11 unique J



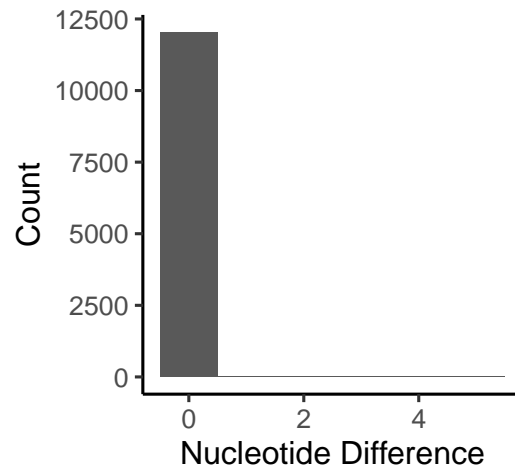
TRBV2*ap01

9142 sequences assigned
9101 (99.6%) exact matches, in which:
9072 unique CDR3
13 unique J



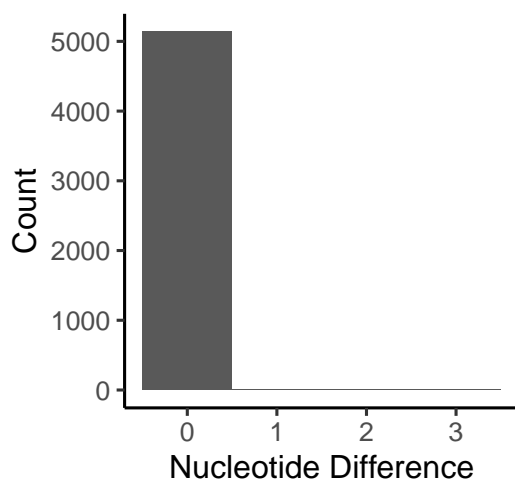
TRBV28*ap01

12065 sequences assigned
12039 (99.8%) exact matches, in which:
12028 unique CDR3
13 unique J



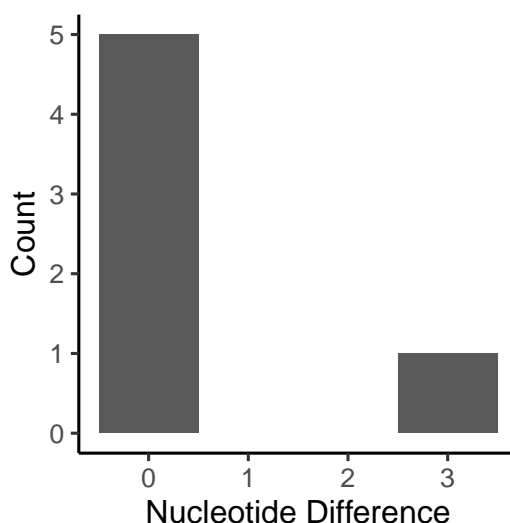
TRBV18*ap01

5146 sequences assigned
5138 (99.8%) exact matches, in which:
5136 unique CDR3
12 unique J



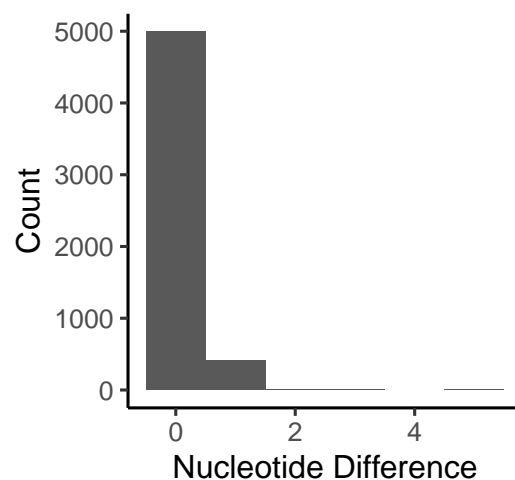
TRBV26*ap01

6 sequences assigned
5 (83.3%) exact matches, in which:
5 unique CDR3
2 unique J



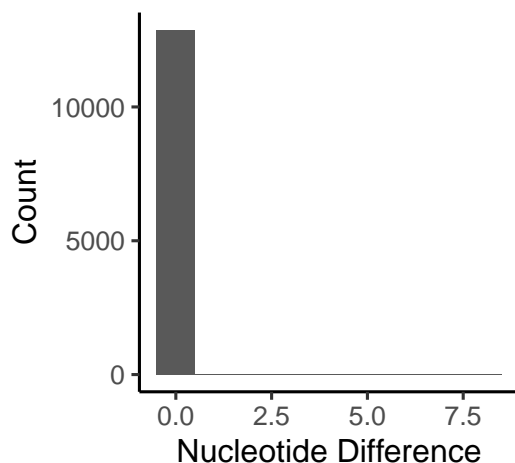
TRBV30*ap01

5418 sequences assigned
4993 (92.2%) exact matches, in which:
4981 unique CDR3
13 unique J



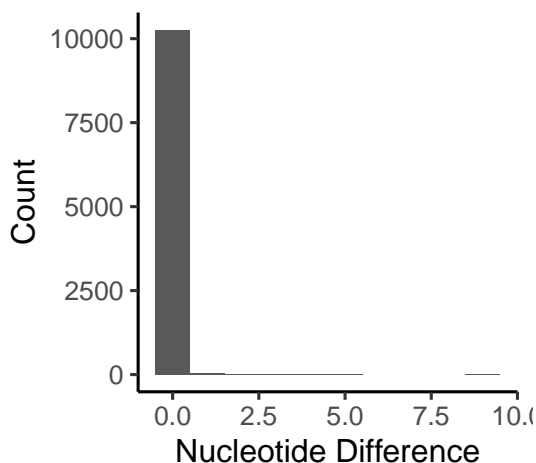
TRBV19*ap01

12919 sequences assigned
12883 (99.7%) exact matches, in which:
12882 unique CDR3
13 unique J



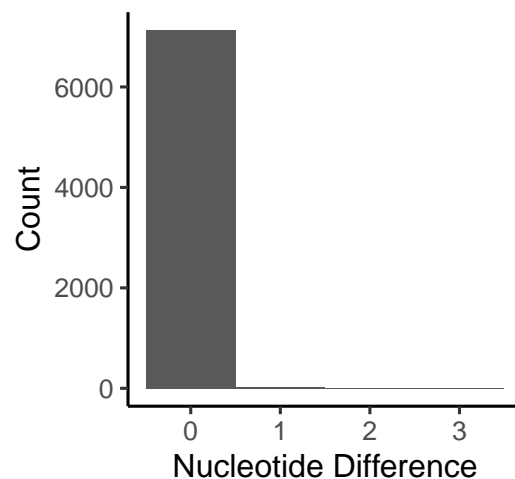
TRBV27*ap01

10329 sequences assigned
10264 (99.4%) exact matches, in which:
10227 unique CDR3
13 unique J



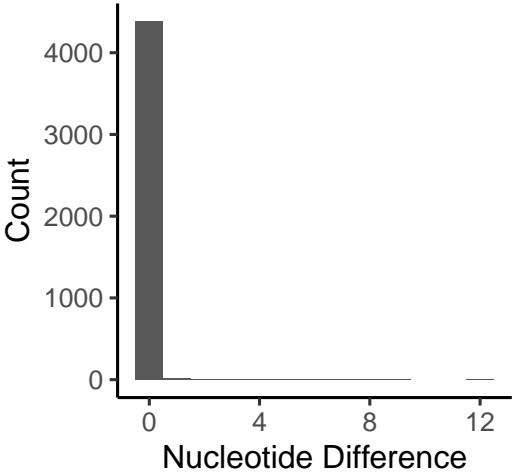
TRBV9*ap01

7156 sequences assigned
7133 (99.7%) exact matches, in which:
7115 unique CDR3
13 unique J



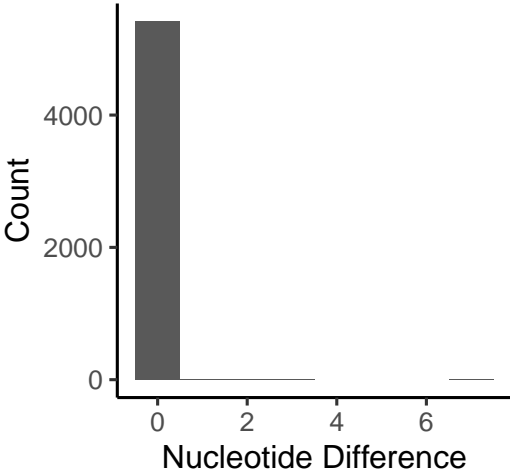
TRBV21-1*ap01

4418 sequences assigned
4383 (99.2%) exact matches, in which:
4383 unique CDR3
12 unique J



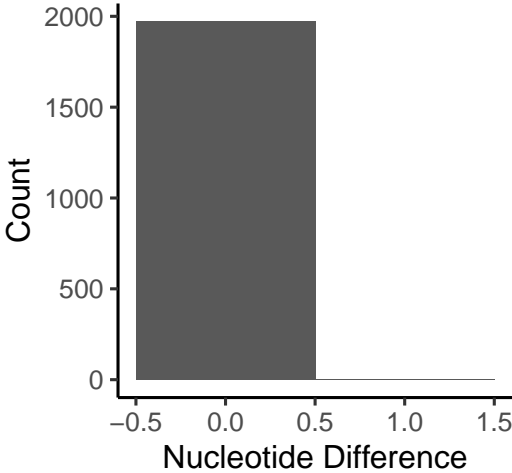
TRBV11-3*ap01

5430 sequences assigned
5416 (99.7%) exact matches, in which:
5406 unique CDR3
12 unique J



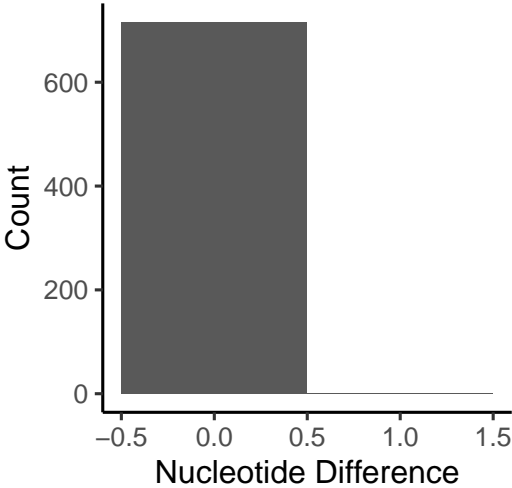
TRBV12-5*ap01

1975 sequences assigned
1972 (99.8%) exact matches, in which:
1972 unique CDR3
13 unique J



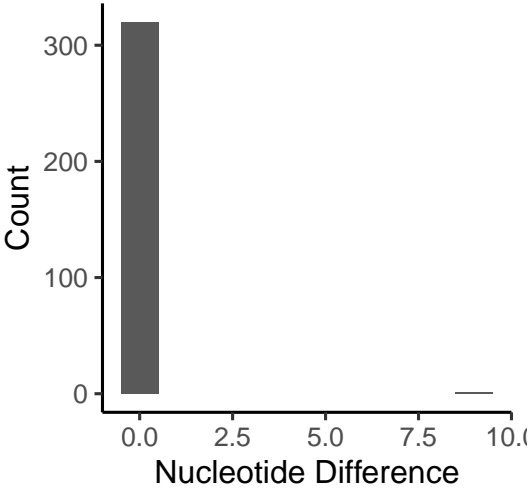
TRBV11-1*ap01

717 sequences assigned
716 (99.9%) exact matches, in which:
716 unique CDR3
12 unique J



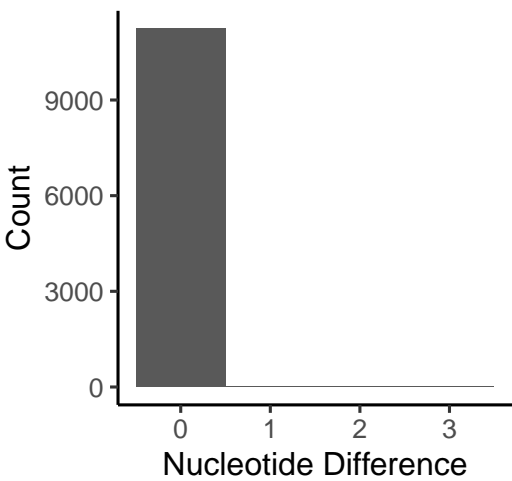
TRBV12-1*ap01

321 sequences assigned
320 (99.7%) exact matches, in which:
320 unique CDR3
12 unique J



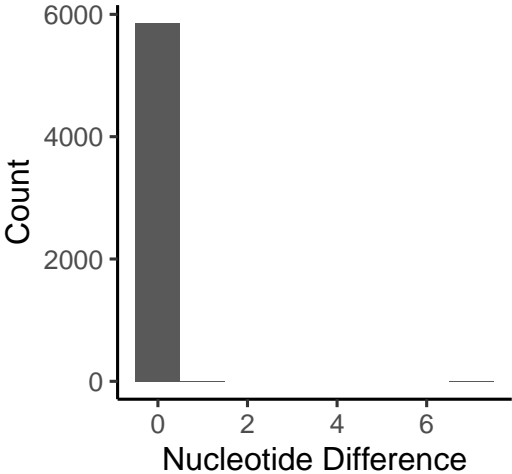
TRBV12-34*ap01

11265 sequences assigned
11235 (99.7%) exact matches, in which:
11222 unique CDR3
13 unique J



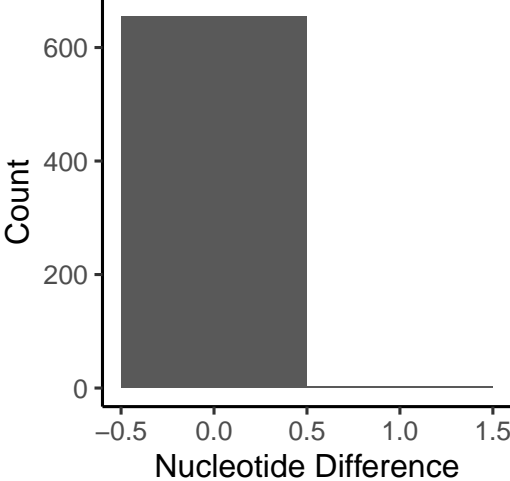
TRBV11-2*ap01

5867 sequences assigned
5858 (99.8%) exact matches, in which:
5855 unique CDR3
12 unique J



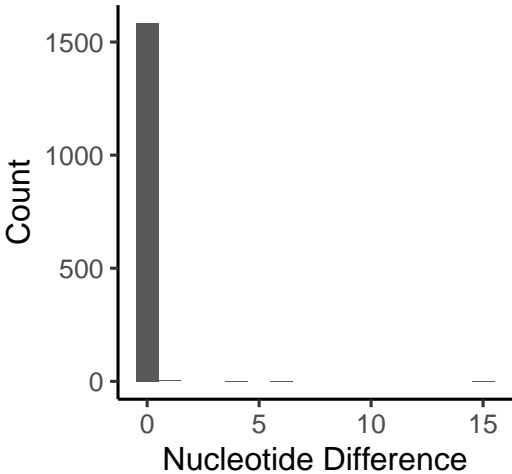
TRBV12-2*ap01

658 sequences assigned
655 (99.5%) exact matches, in which:
654 unique CDR3
12 unique J



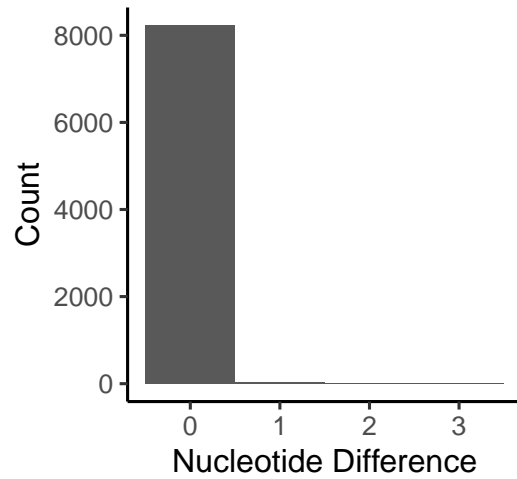
TRBV23-1*ap01

1590 sequences assigned
1584 (99.6%) exact matches, in which:
1583 unique CDR3
12 unique J



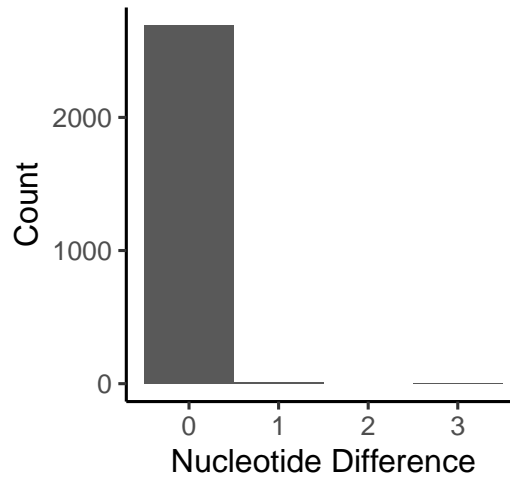
TRBV3-12*ap01

8268 sequences assigned
8228 (99.5%) exact matches, in which:
8204 unique CDR3
13 unique J



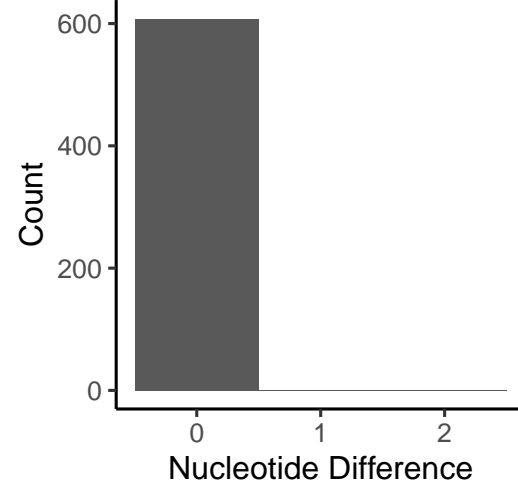
TRBV4-2*ap01

2702 sequences assigned
2691 (99.6%) exact matches, in which:
2687 unique CDR3
13 unique J



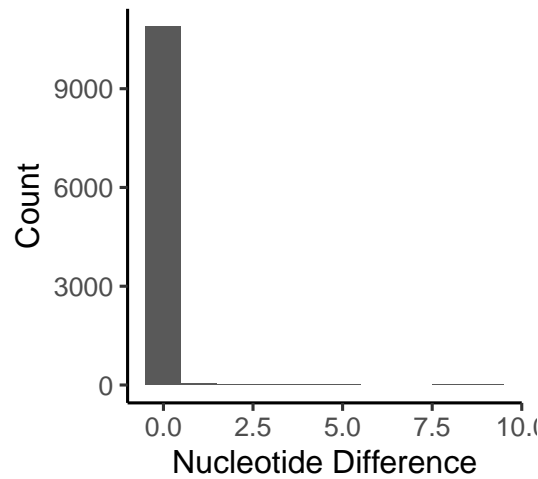
TRBV5-3*ap01

610 sequences assigned
608 (99.7%) exact matches, in which:
607 unique CDR3
12 unique J



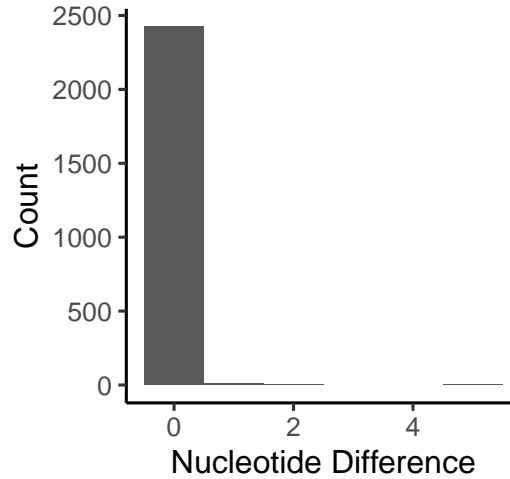
TRBV24-1*ap01

10938 sequences assigned
10882 (99.5%) exact matches, in which:
10866 unique CDR3
13 unique J



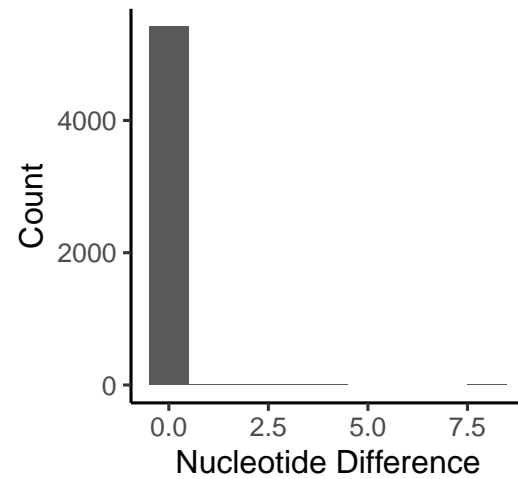
TRBV25-1*ap01

2439 sequences assigned
2424 (99.4%) exact matches, in which:
2422 unique CDR3
13 unique J



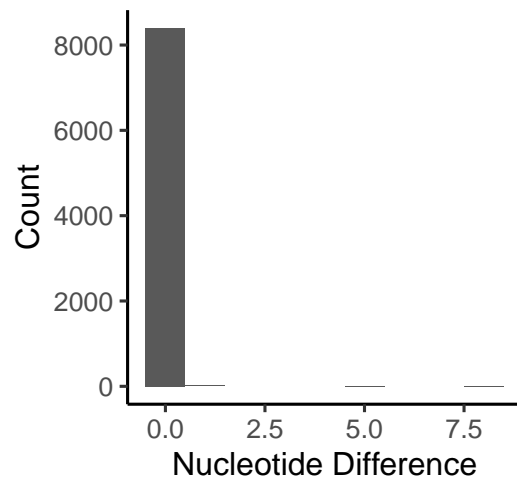
TRBV5-4*ap01

5431 sequences assigned
5417 (99.7%) exact matches, in which:
5414 unique CDR3
13 unique J



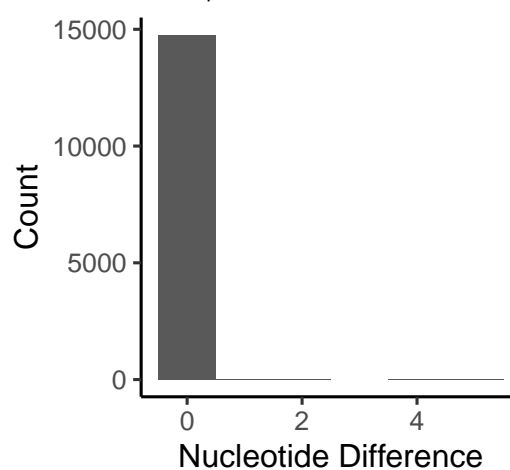
TRBV4-1*ap01

8421 sequences assigned
8398 (99.7%) exact matches, in which:
8384 unique CDR3
13 unique J



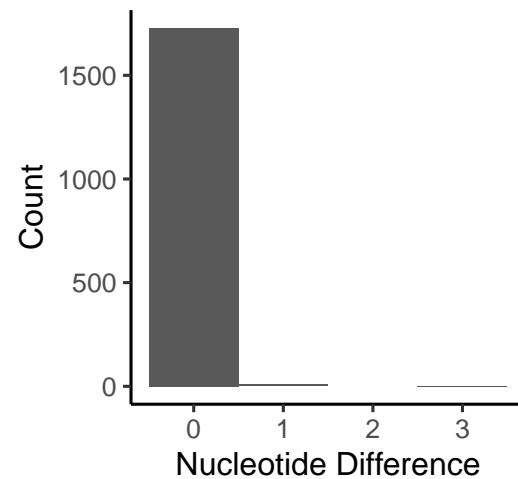
TRBV5-1*ap01

14812 sequences assigned
14765 (99.7%) exact matches, in which:
14683 unique CDR3
13 unique J



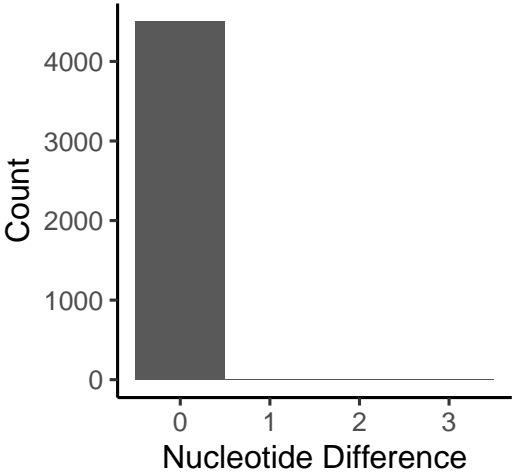
TRBV5-5*ap01

1737 sequences assigned
1728 (99.5%) exact matches, in which:
1728 unique CDR3
12 unique J



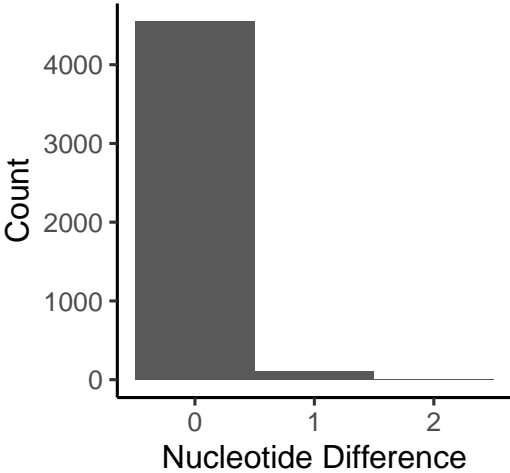
TRBV5-6*ap01

4516 sequences assigned
4503 (99.7%) exact matches, in which:
4479 unique CDR3
13 unique J



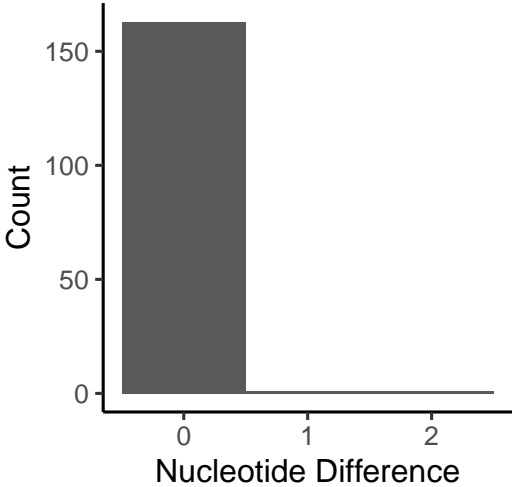
TRBV6-1*ap01

4657 sequences assigned
4550 (97.7%) exact matches, in which:
4538 unique CDR3
13 unique J



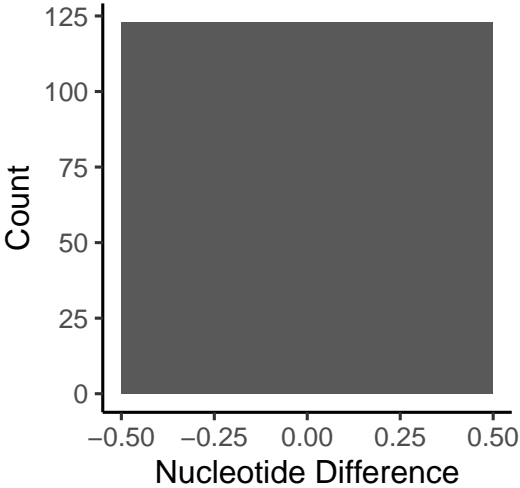
TRBV6-8*ap01

165 sequences assigned
163 (98.8%) exact matches, in which:
162 unique CDR3
12 unique J



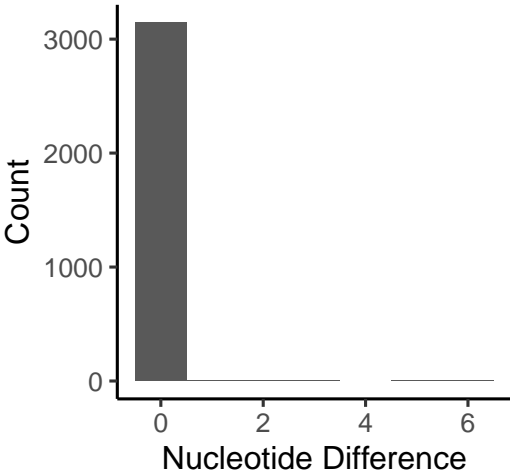
TRBV5-7*ap01

123 sequences assigned
123 (100%) exact matches, in which:
123 unique CDR3
12 unique J



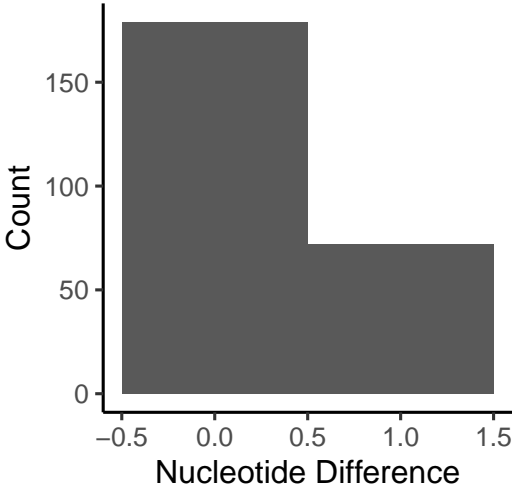
TRBV6-4*ap01

3161 sequences assigned
3144 (99.5%) exact matches, in which:
3144 unique CDR3
13 unique J



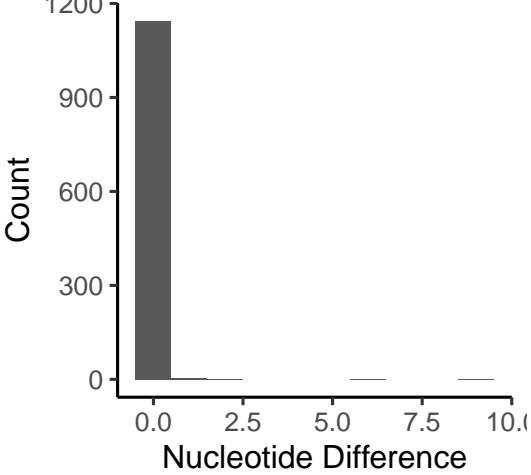
TRBV6-9*ap01

251 sequences assigned
179 (71.3%) exact matches, in which:
178 unique CDR3
12 unique J



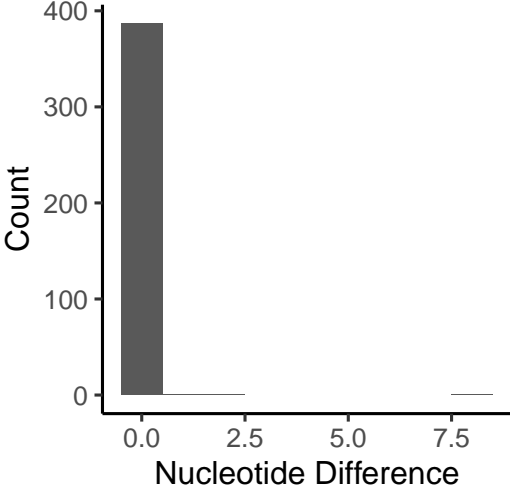
TRBV5-8*ap01

1153 sequences assigned
1144 (99.2%) exact matches, in which:
1144 unique CDR3
12 unique J



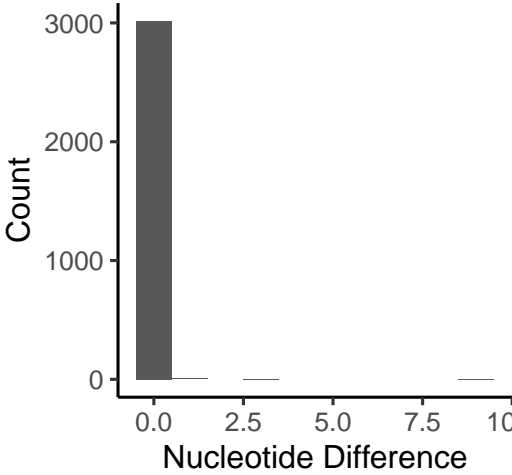
TRBV6-7*ap01

390 sequences assigned
387 (99.2%) exact matches, in which:
386 unique CDR3
12 unique J



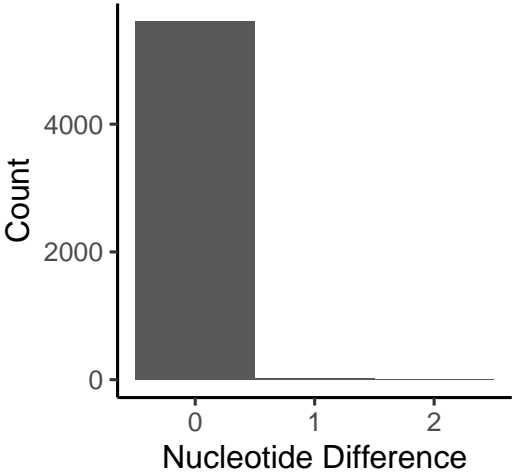
TRBV6-23*ap01

3027 sequences assigned
3016 (99.6%) exact matches, in which:
3011 unique CDR3
13 unique J



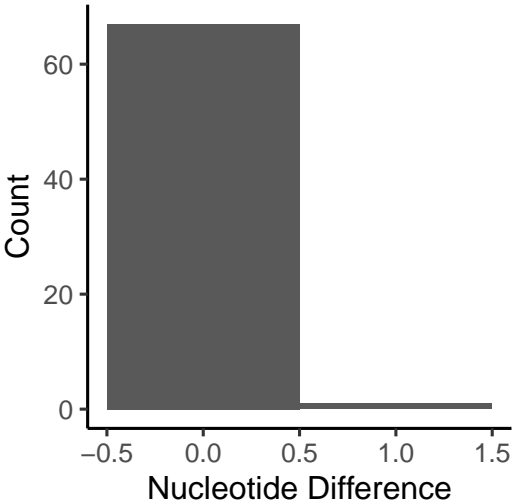
TRBV6-56*ap01

5634 sequences assigned
5609 (99.6%) exact matches, in which:
5596 unique CDR3
14 unique J



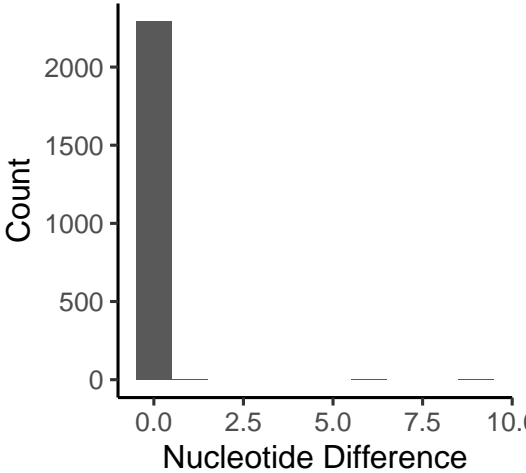
TRBV7-1*ap01_G291C_T

68 sequences assigned
67 (98.5%) exact matches, in which:
67 unique CDR3
12 unique J



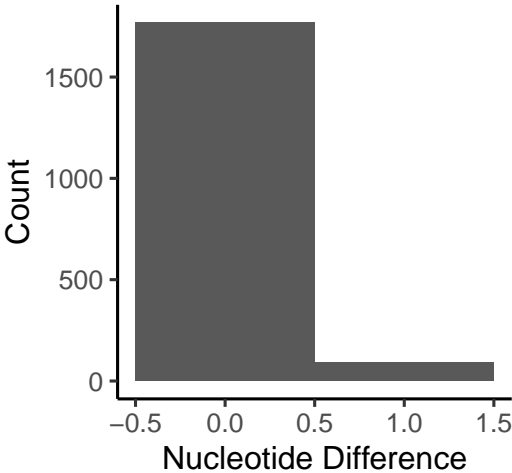
TRBV7-3*ap01

2299 sequences assigned
2292 (99.7%) exact matches, in which:
2288 unique CDR3
13 unique J



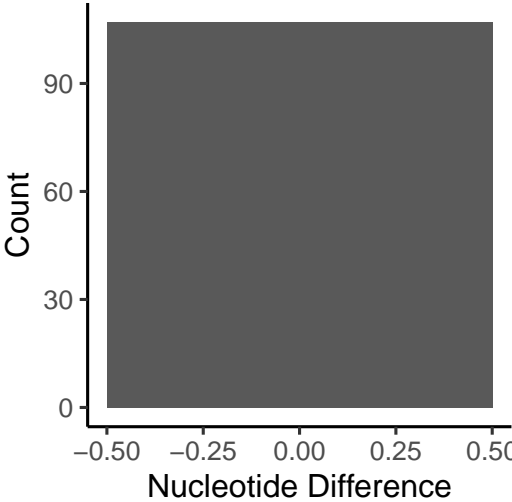
TRBV6-56*ap02

1858 sequences assigned
1768 (95.2%) exact matches, in which:
1762 unique CDR3
13 unique J



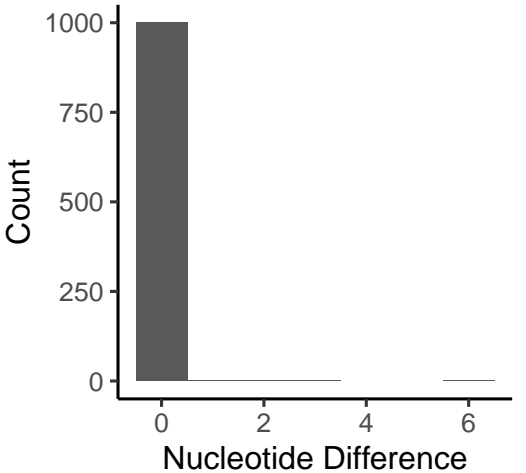
TRBV7-1*ap01_G291C_T

107 sequences assigned
107 (100%) exact matches, in which:
107 unique CDR3
12 unique J



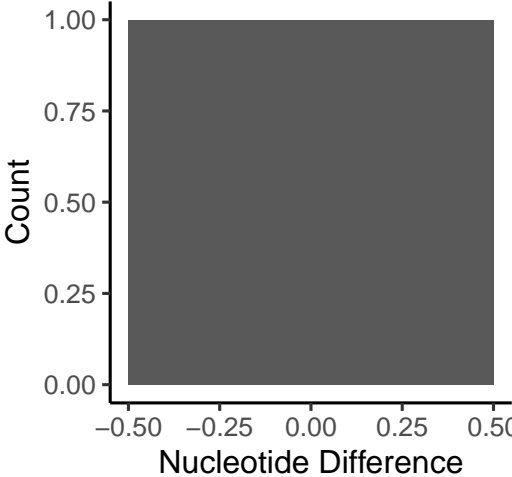
TRBV7-3*ap03

1006 sequences assigned
1000 (99.4%) exact matches, in which:
999 unique CDR3
13 unique J



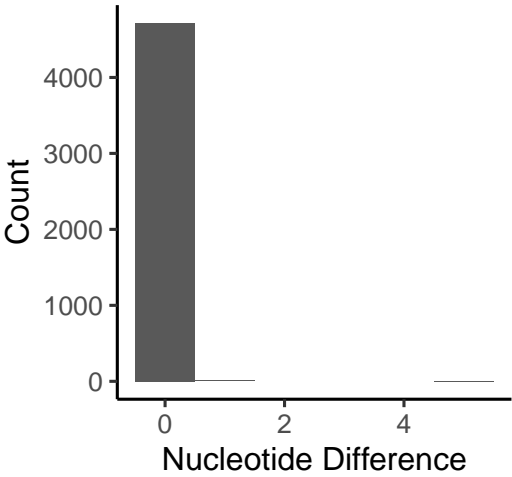
TRBV7-1*ap01

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



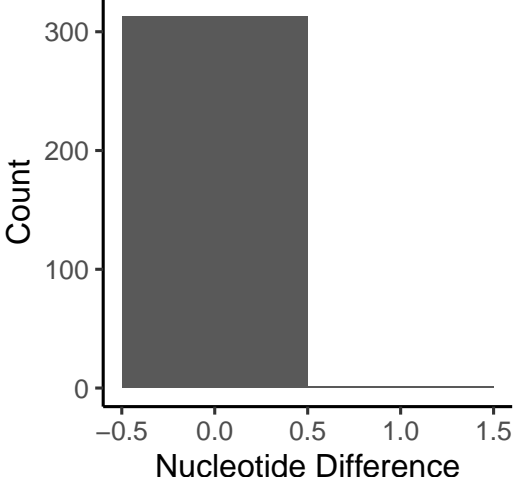
TRBV7-2*ap01

4728 sequences assigned
4716 (99.7%) exact matches, in which:
4711 unique CDR3
12 unique J



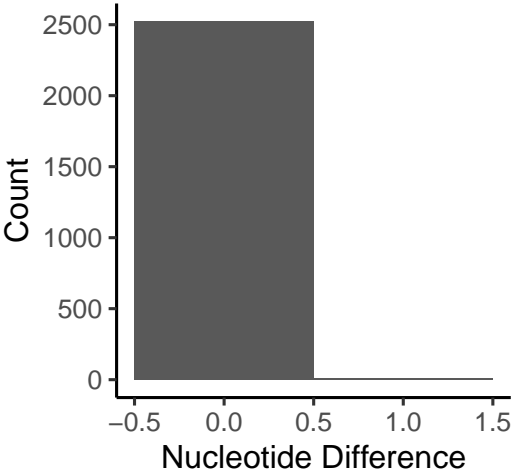
TRBV7-4*ap01

314 sequences assigned
313 (99.7%) exact matches, in which:
313 unique CDR3
12 unique J



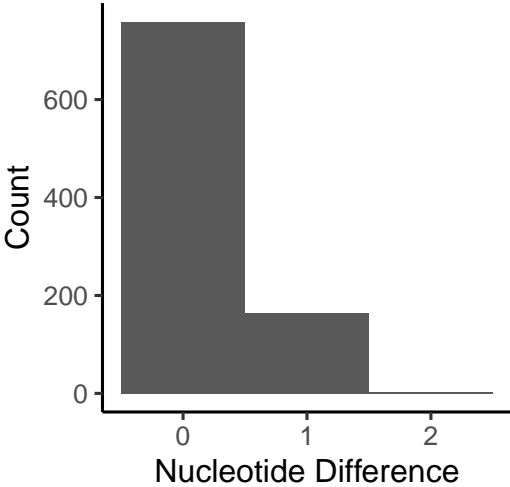
TRBV7-6*ap01

2533 sequences assigned
2523 (99.6%) exact matches, in which:
2519 unique CDR3
13 unique J



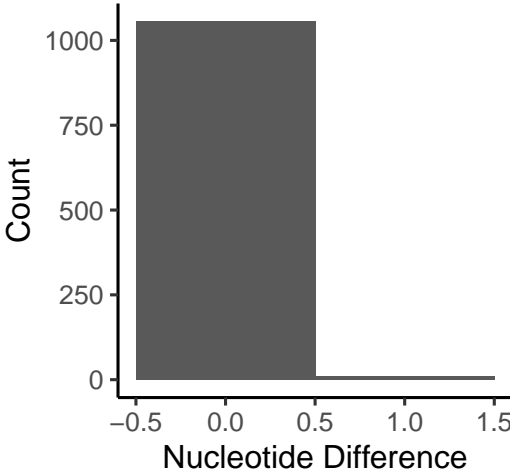
TRBV7-8*ap03

927 sequences assigned
759 (81.9%) exact matches, in which:
757 unique CDR3
12 unique J



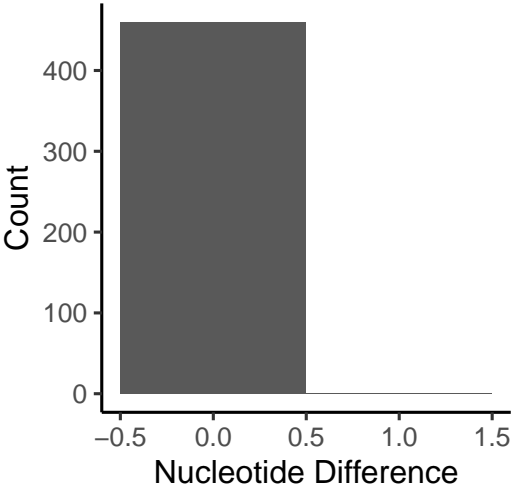
TRBV29-1*ap02

1067 sequences assigned
1056 (99%) exact matches, in which:
1055 unique CDR3
12 unique J



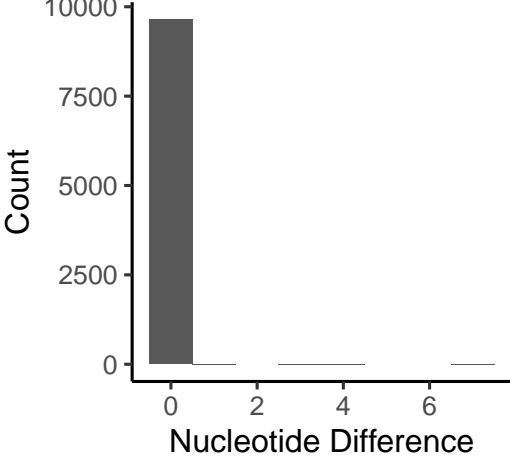
TRBV7-7*ap01_C315T

461 sequences assigned
460 (99.8%) exact matches, in which:
456 unique CDR3
12 unique J



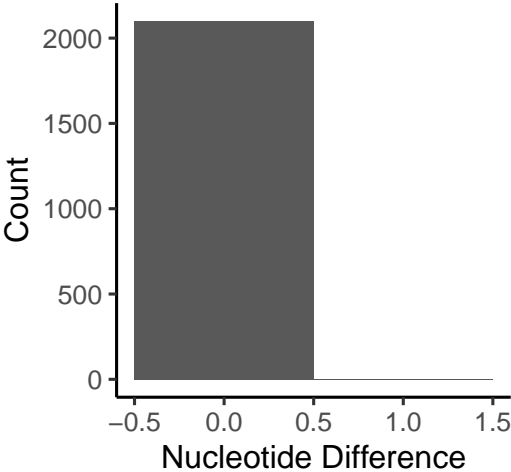
TRBV7-9*ap01

9658 sequences assigned
9644 (99.9%) exact matches, in which:
9636 unique CDR3
13 unique J



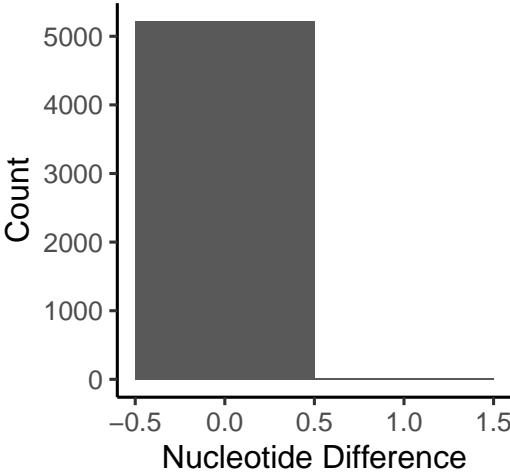
TRBV7-8*ap01

2102 sequences assigned
2100 (99.9%) exact matches, in which:
2099 unique CDR3
12 unique J

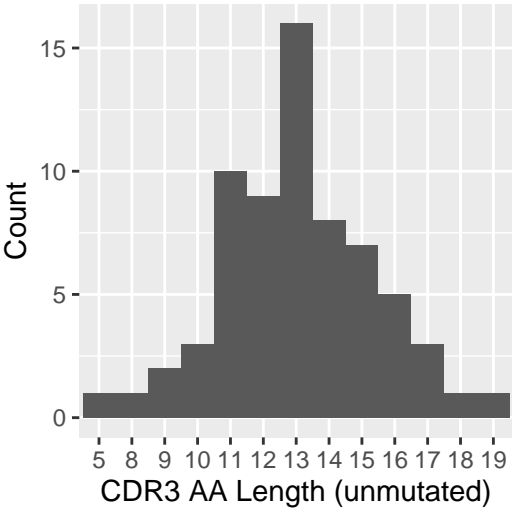


TRBV29-1*ap01

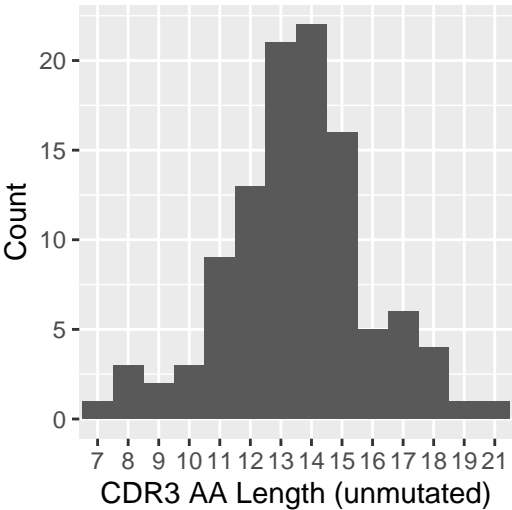
5242 sequences assigned
5222 (99.6%) exact matches, in which:
5203 unique CDR3
12 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

