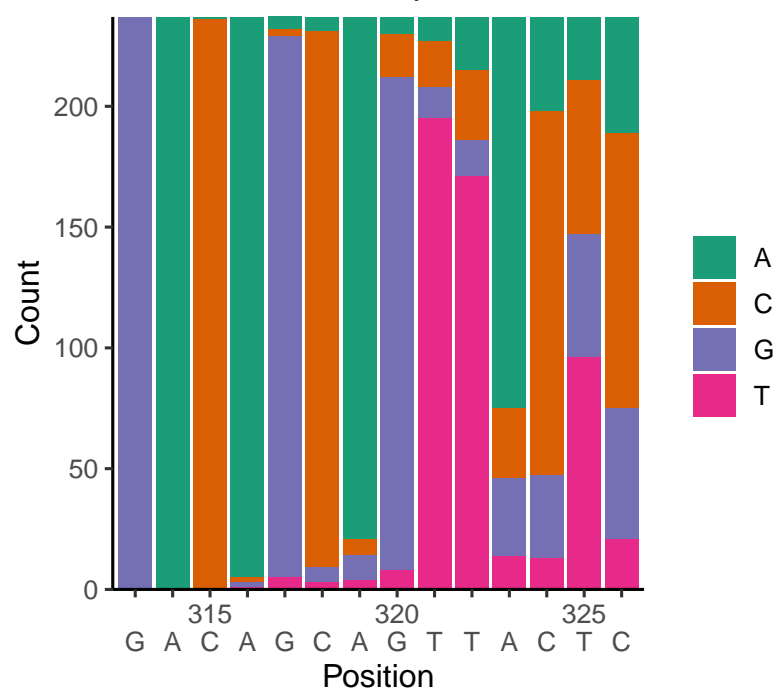
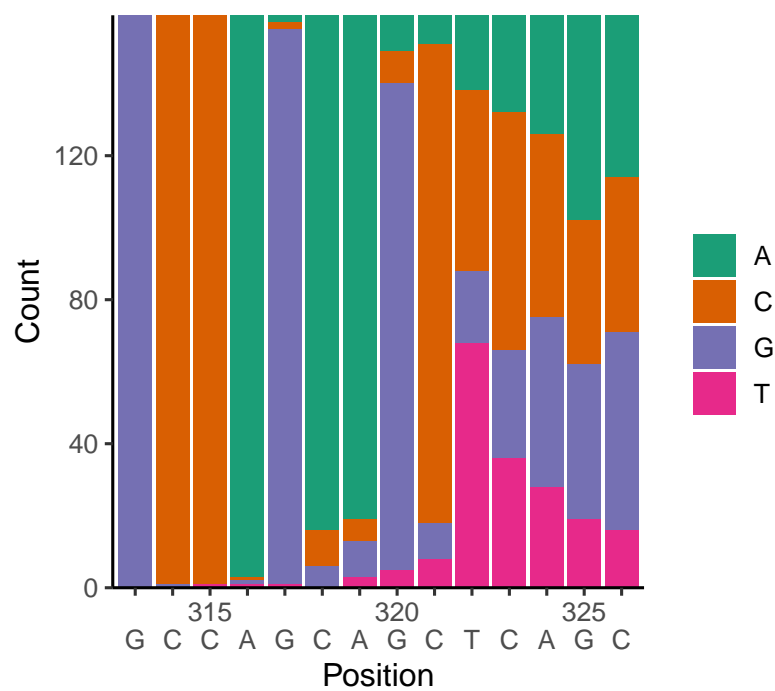


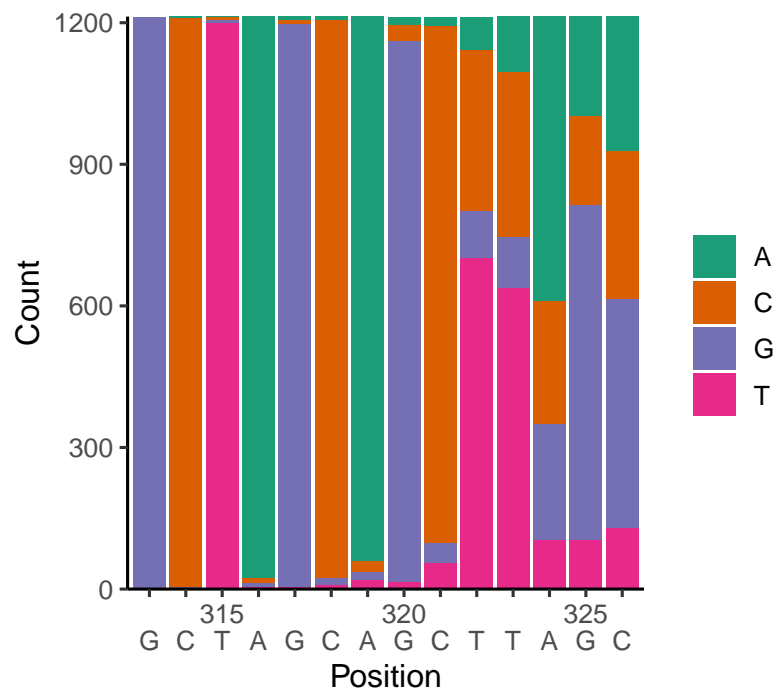
Gene TRBV6-7*ap01_C314A



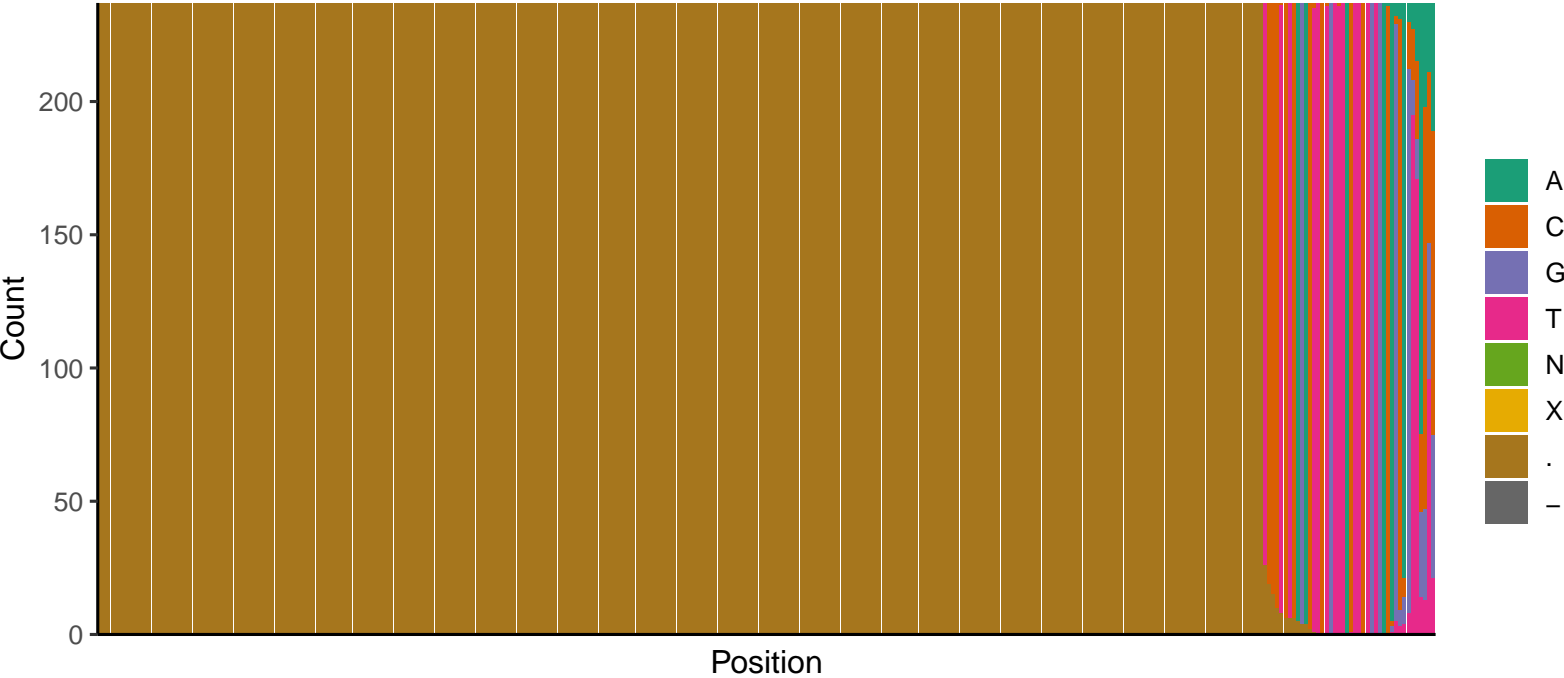
Gene TRBV7-1*ap01_T296C



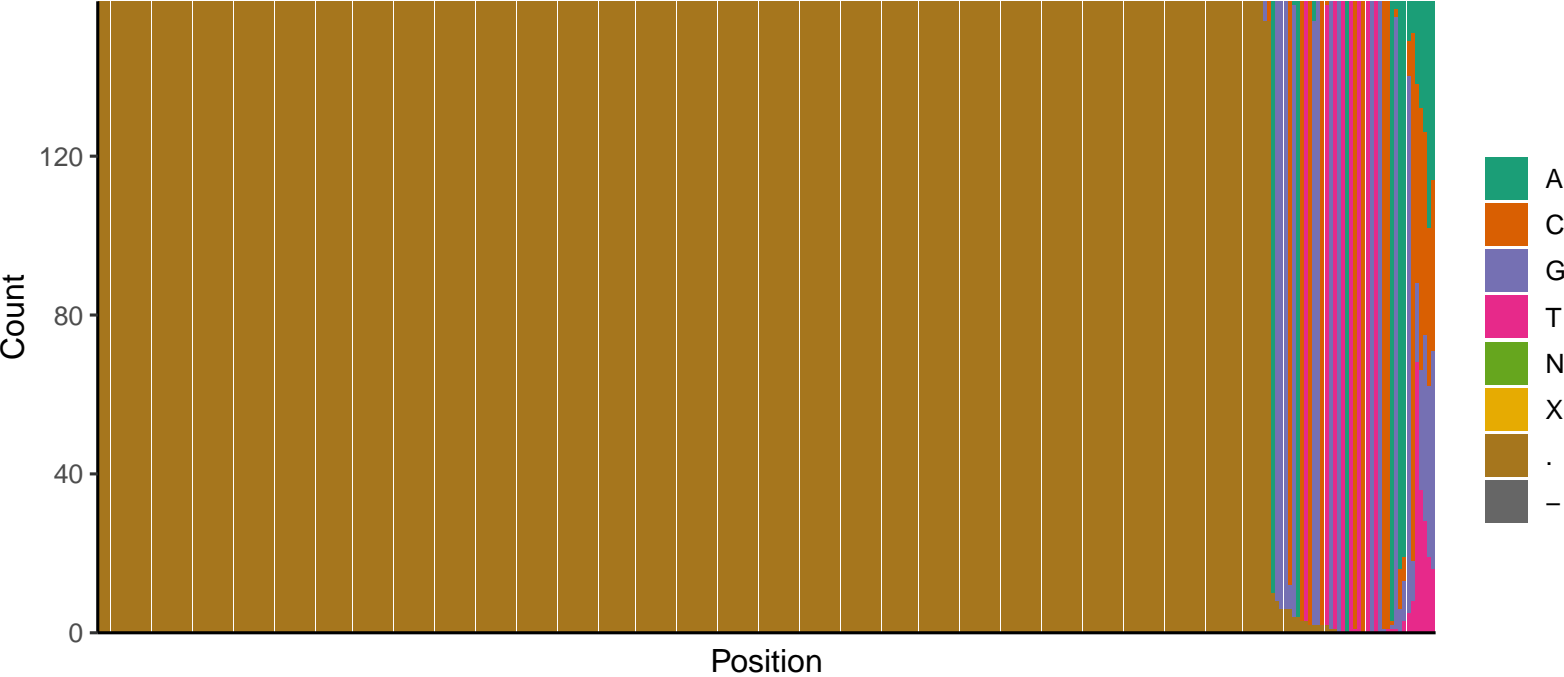
Gene TRBV7-7*ap01_C315T



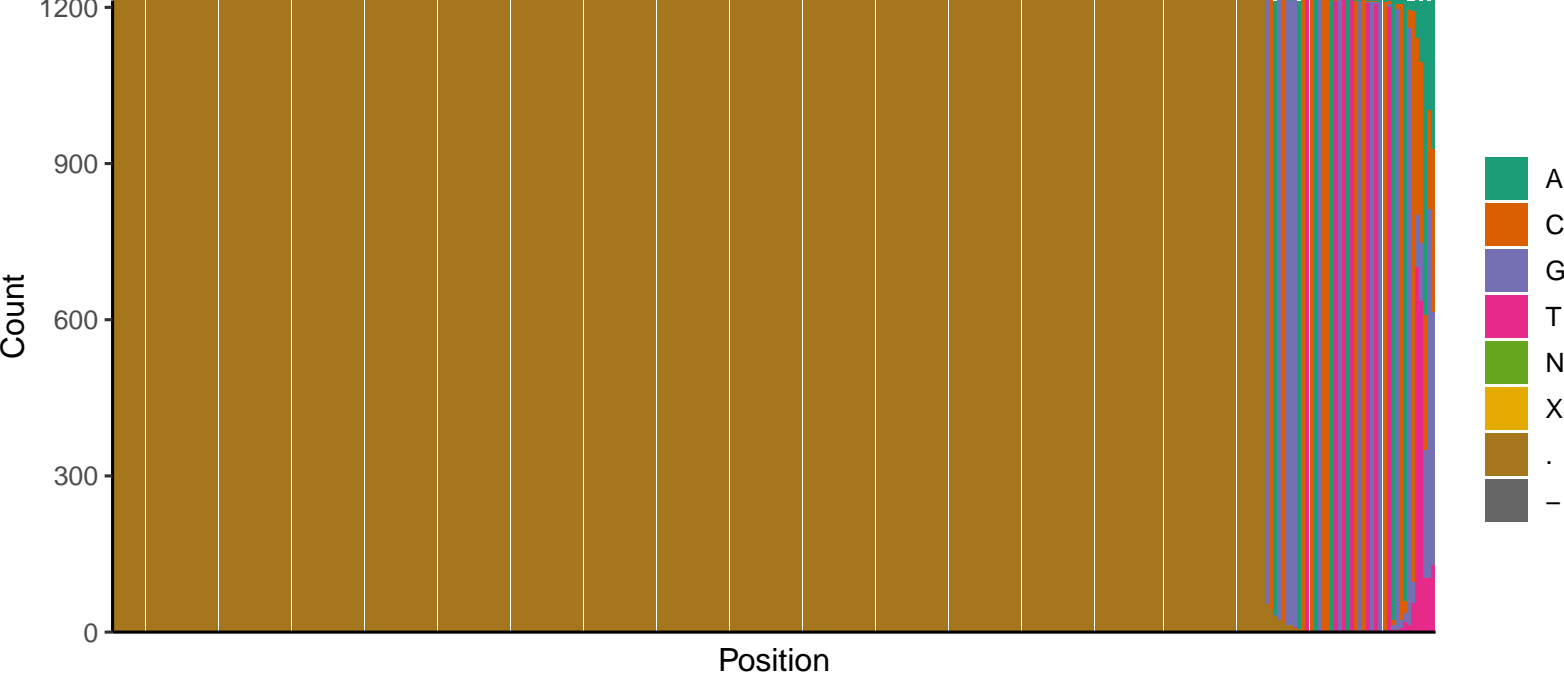
Gene TRBV6-7*ap01_C314A



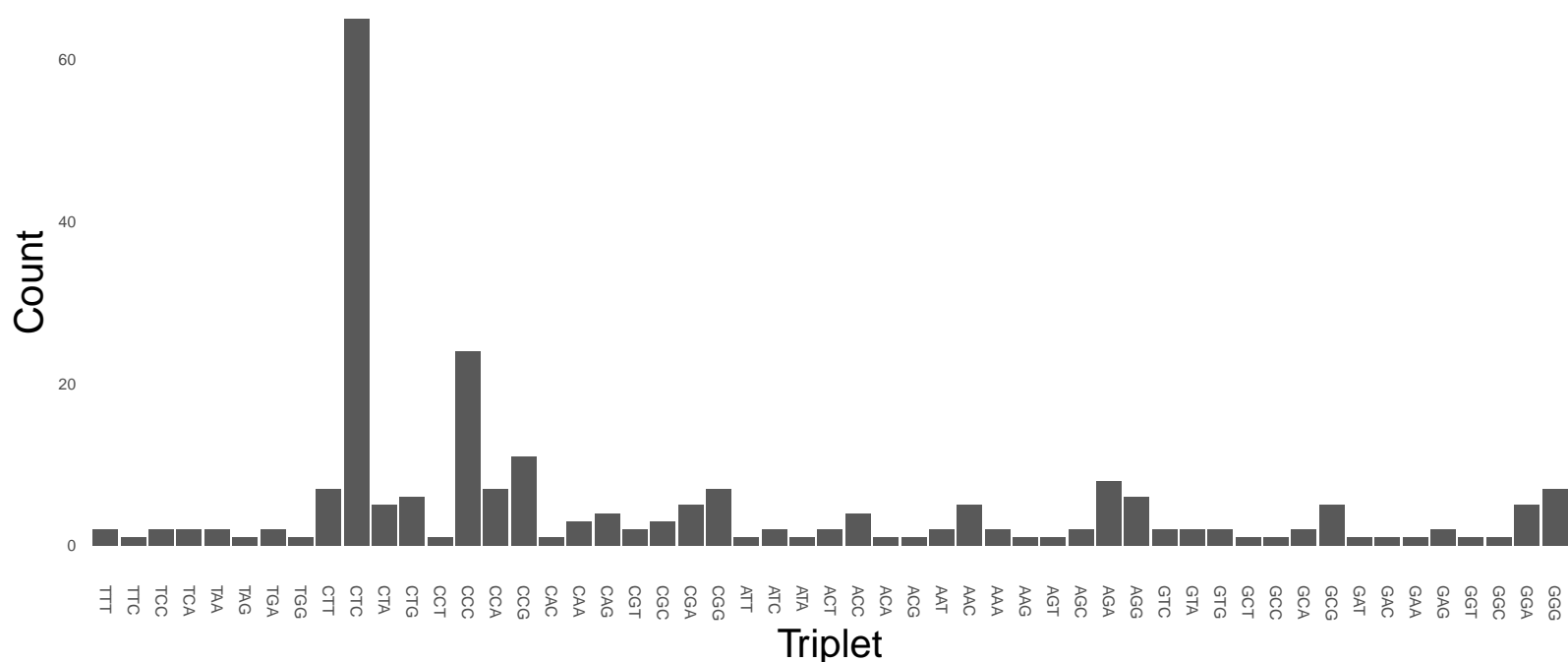
Gene TRBV7-1*ap01_T296C



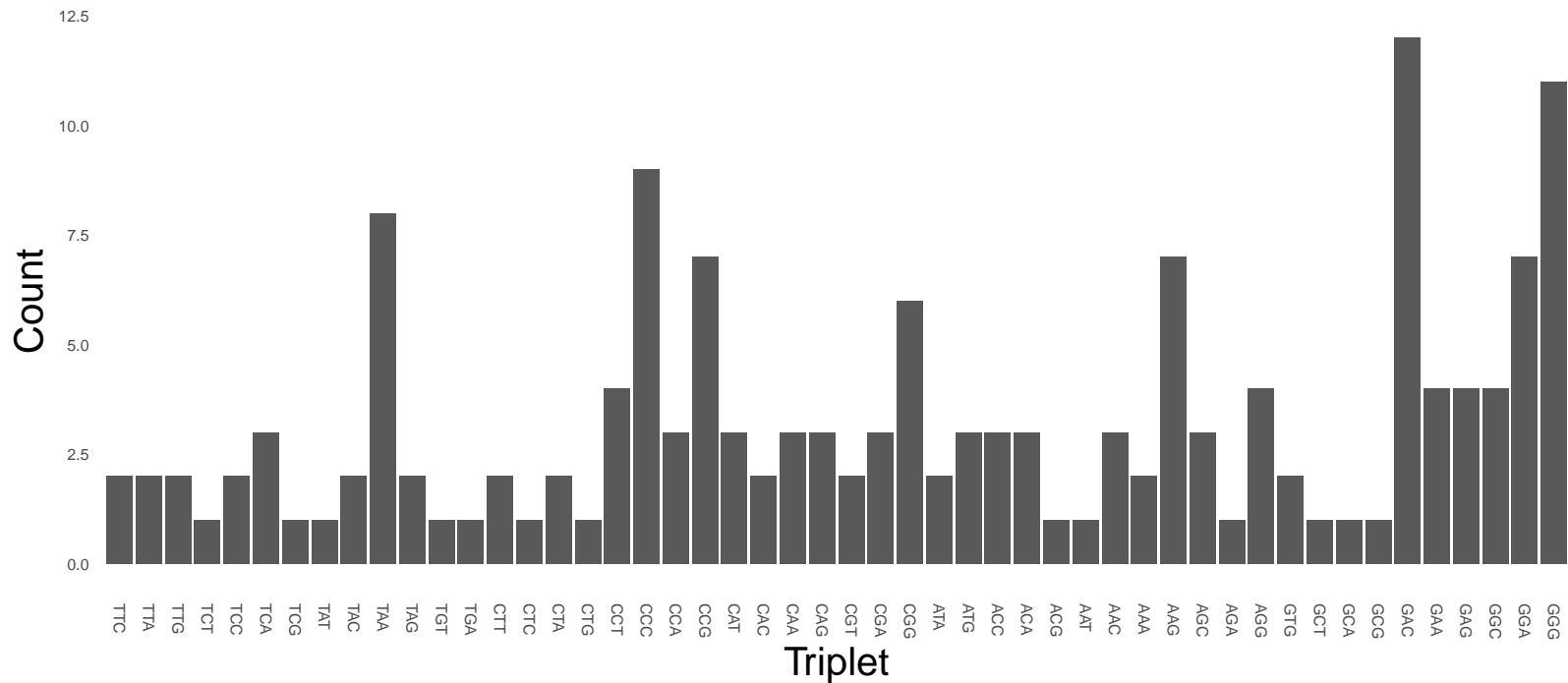
Gene TRBV7-7*ap01_C315T



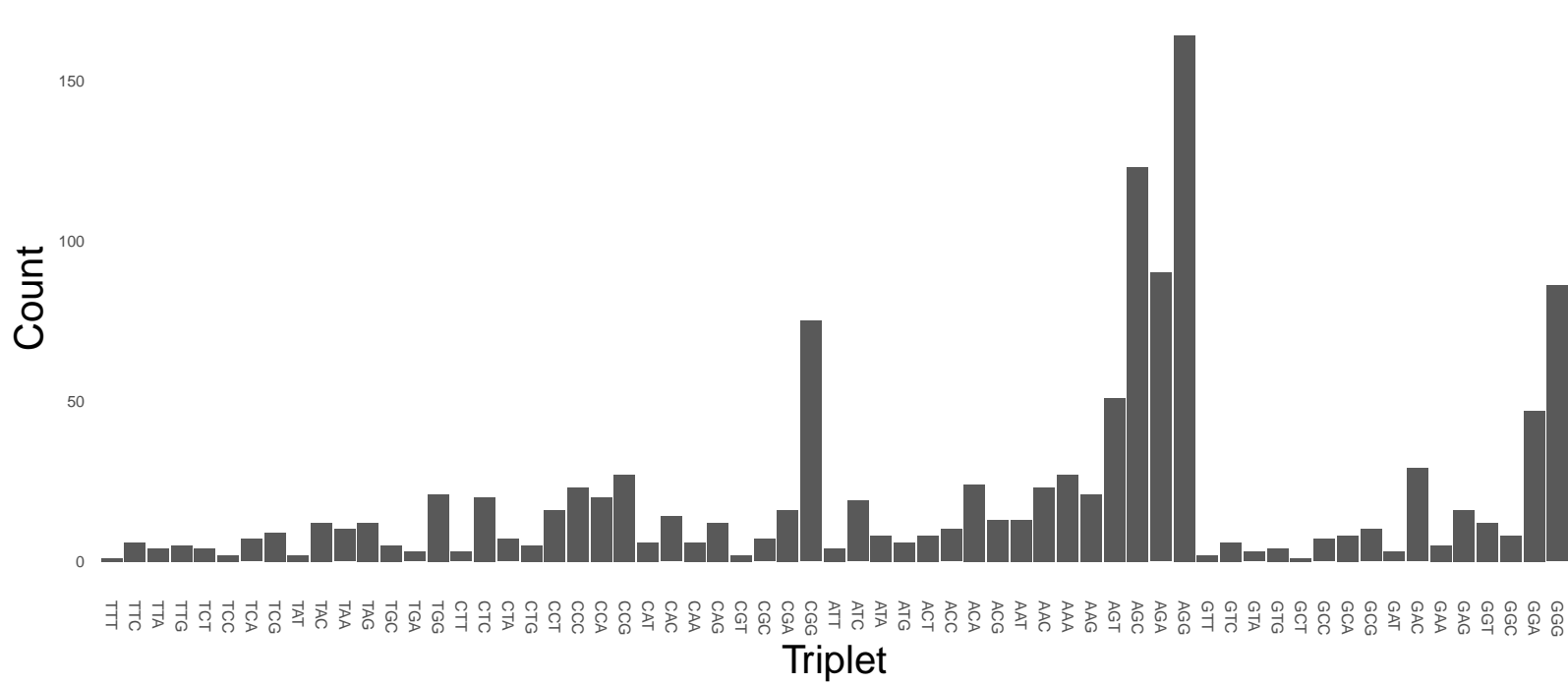
TRBV6-7*ap01_C314A- Final 3 nucleotides as a triplet



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

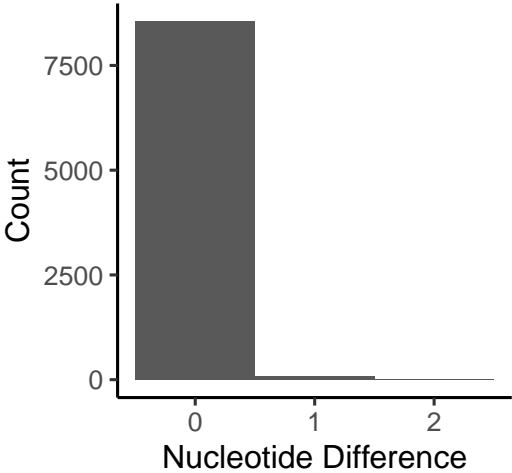


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



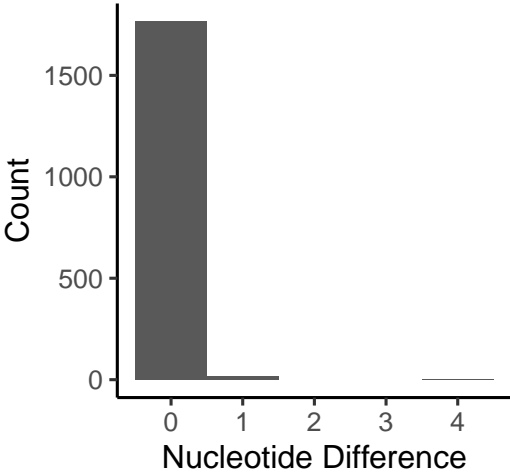
TRBV20-1*ap01

8630 sequences assigned
8551 (99.1%) exact matches, in which:
8501 unique CDR3
13 unique J



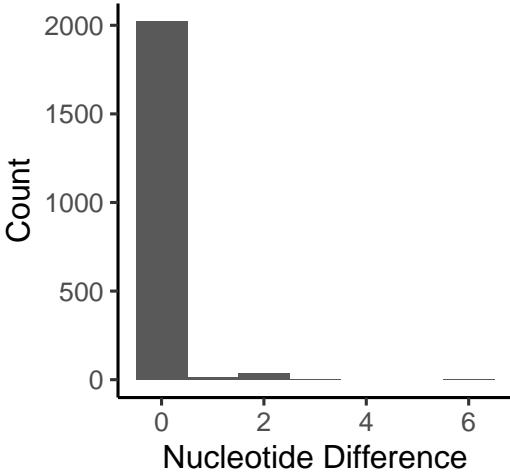
TRBV10-2*ap01

1782 sequences assigned
1766 (99.1%) exact matches, in which:
1747 unique CDR3
13 unique J



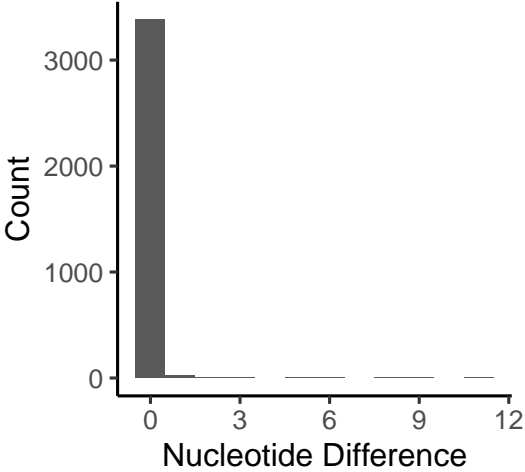
TRBV13*ap01

2078 sequences assigned
2022 (97.3%) exact matches, in which:
1997 unique CDR3
13 unique J



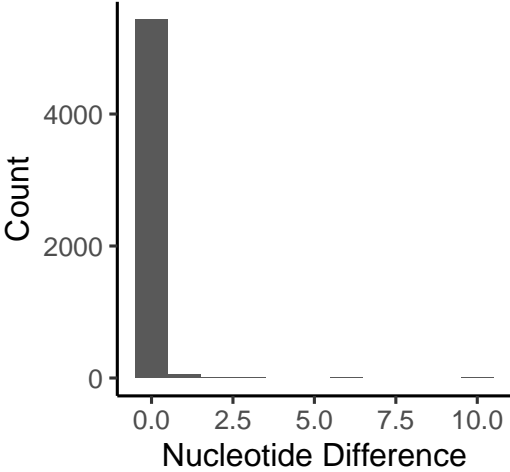
TRBV10-1*ap01

3416 sequences assigned
3381 (99%) exact matches, in which:
3349 unique CDR3
13 unique J



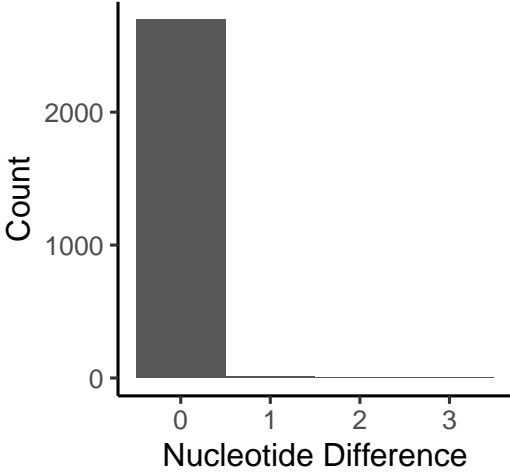
TRBV10-3*ap01

5484 sequences assigned
5429 (99%) exact matches, in which:
5358 unique CDR3
13 unique J



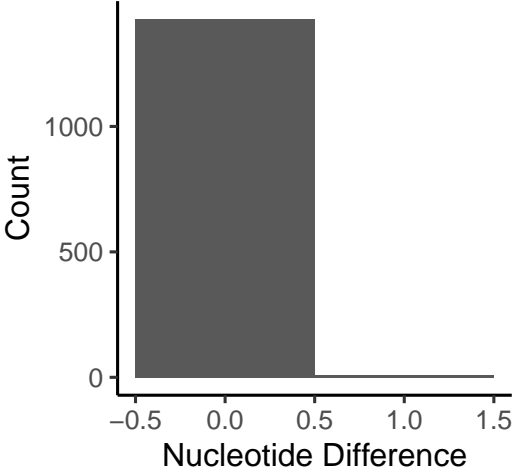
TRBV14*ap01

2707 sequences assigned
2695 (99.6%) exact matches, in which:
2682 unique CDR3
13 unique J



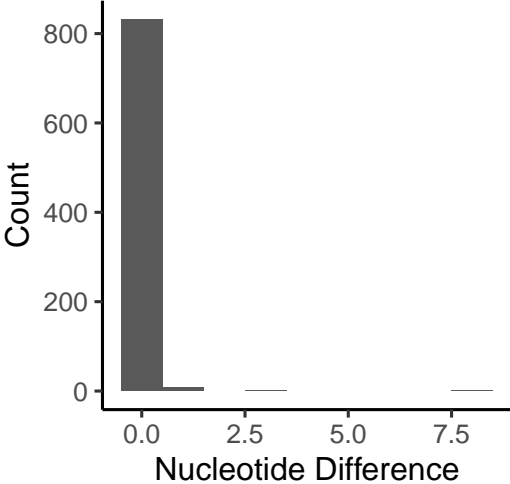
TRBV20-1*ap02

1438 sequences assigned
1428 (99.3%) exact matches, in which:
1415 unique CDR3
13 unique J



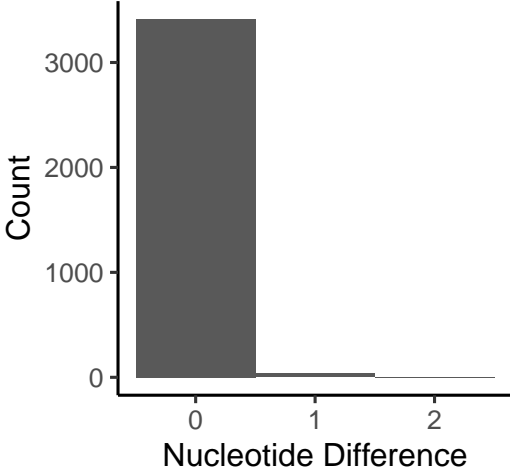
TRBV1*ap01

842 sequences assigned
832 (98.8%) exact matches, in which:
826 unique CDR3
13 unique J



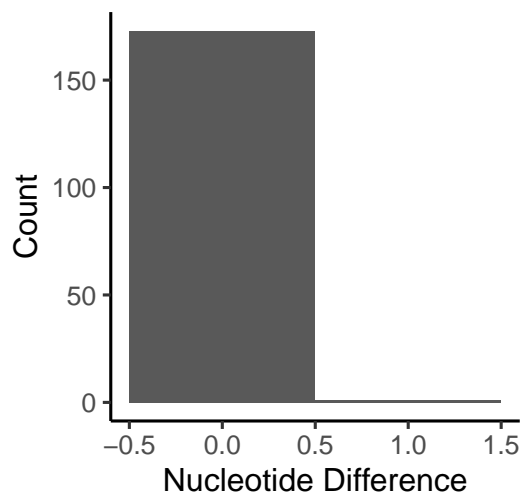
TRBV15*ap02

3452 sequences assigned
3414 (98.9%) exact matches, in which:
3381 unique CDR3
13 unique J



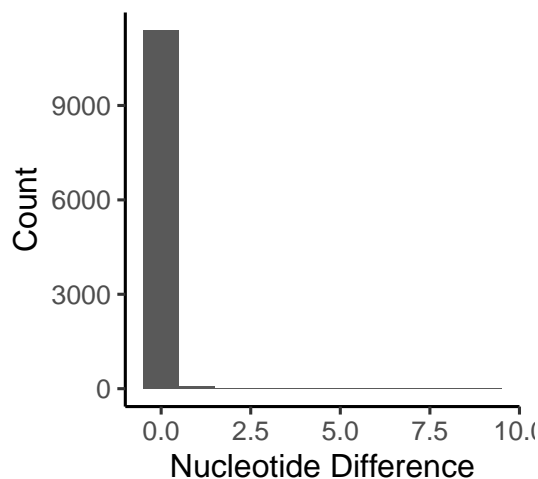
TRBV16*ap01

174 sequences assigned
173 (99.4%) exact matches, in which:
173 unique CDR3
13 unique J



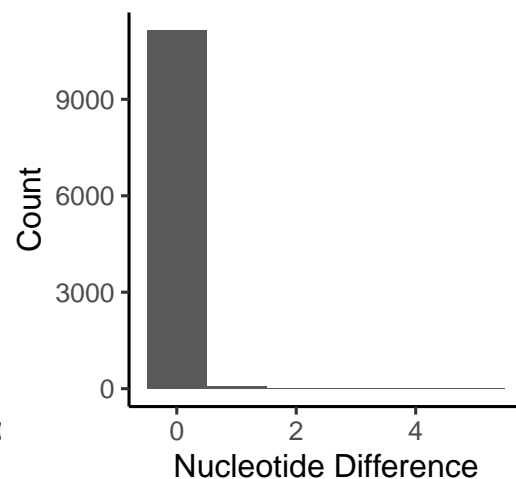
TRBV19*ap01

11478 sequences assigned
11386 (99.2%) exact matches, in which:
11354 unique CDR3
13 unique J



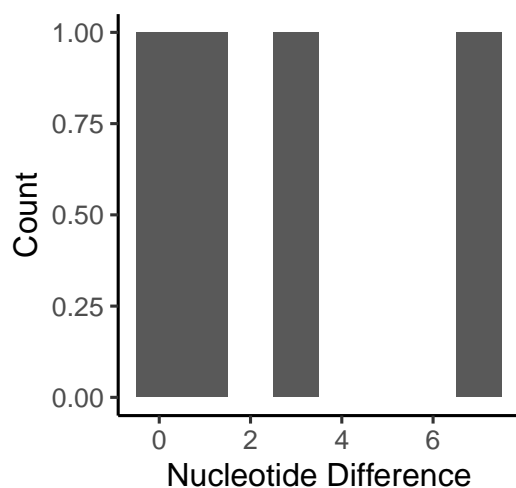
TRBV28*ap01

11230 sequences assigned
11143 (99.2%) exact matches, in which:
11057 unique CDR3
13 unique J



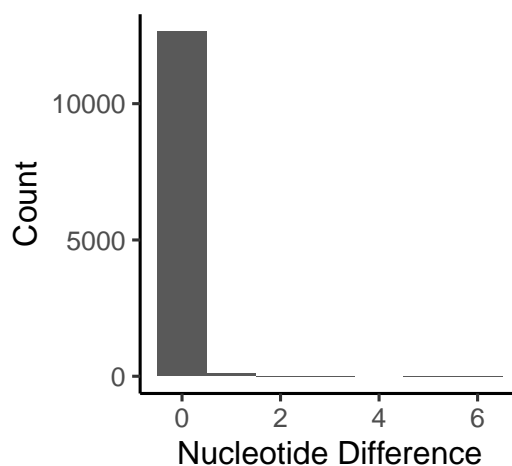
TRBV17*ap01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



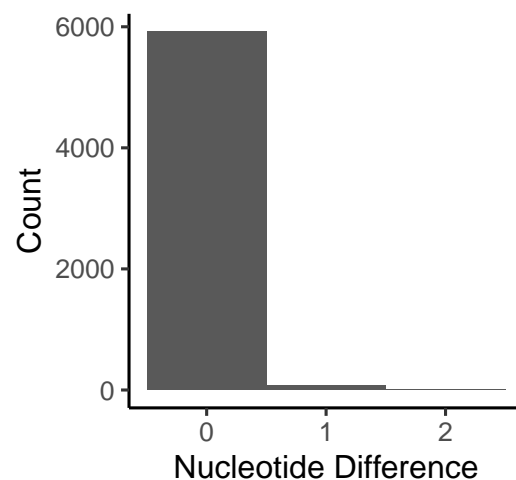
TRBV2*ap01

12776 sequences assigned
12648 (99%) exact matches, in which:
12557 unique CDR3
13 unique J



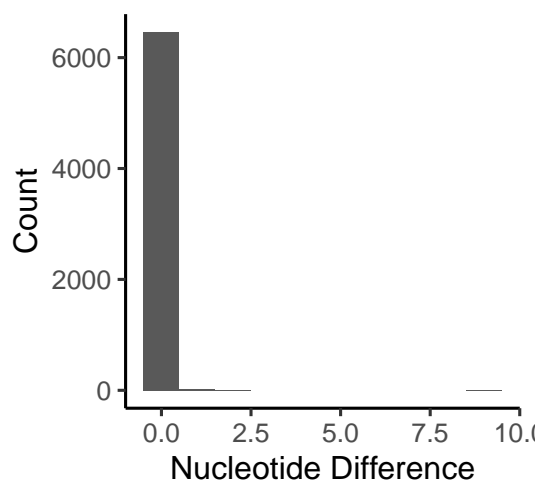
TRBV30*ap01

5994 sequences assigned
5918 (98.7%) exact matches, in which:
5882 unique CDR3
13 unique J



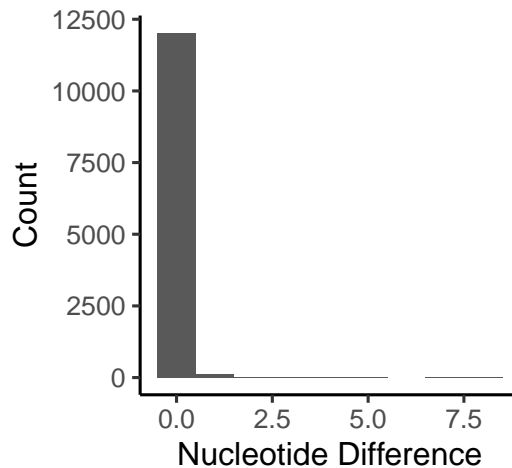
TRBV18*ap01

6487 sequences assigned
6461 (99.6%) exact matches, in which:
6442 unique CDR3
13 unique J



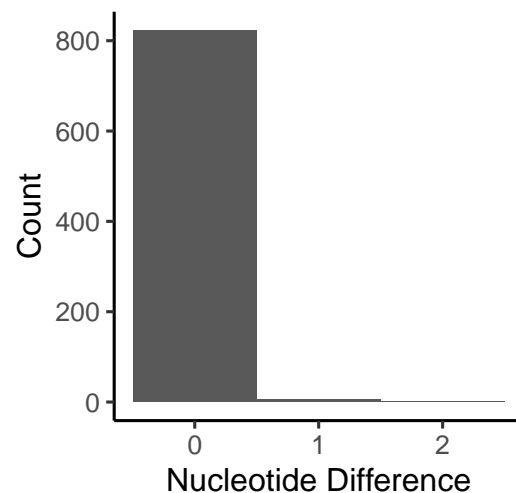
TRBV27*ap01

12157 sequences assigned
12028 (98.9%) exact matches, in which:
11890 unique CDR3
13 unique J



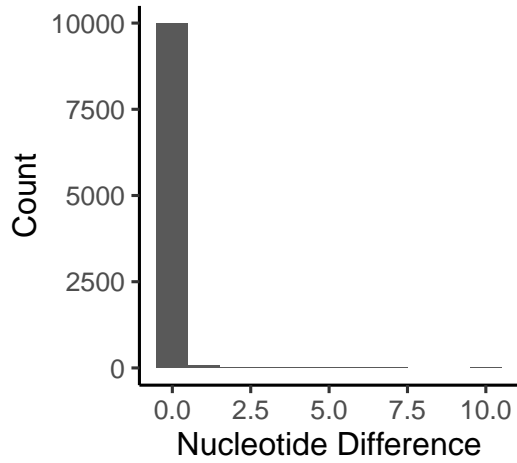
TRBV30*ap03

830 sequences assigned
823 (99.2%) exact matches, in which:
817 unique CDR3
13 unique J



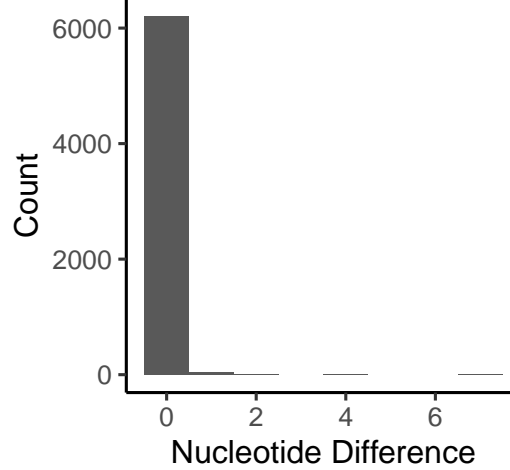
TRBV9*ap01

10091 sequences assigned
9998 (99.1%) exact matches, in which:
9905 unique CDR3
13 unique J



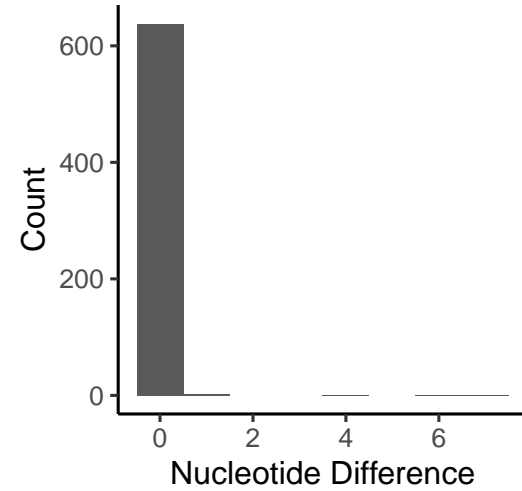
TRBV11-2*ap01

6256 sequences assigned
6202 (99.1%) exact matches, in which:
6125 unique CDR3
13 unique J



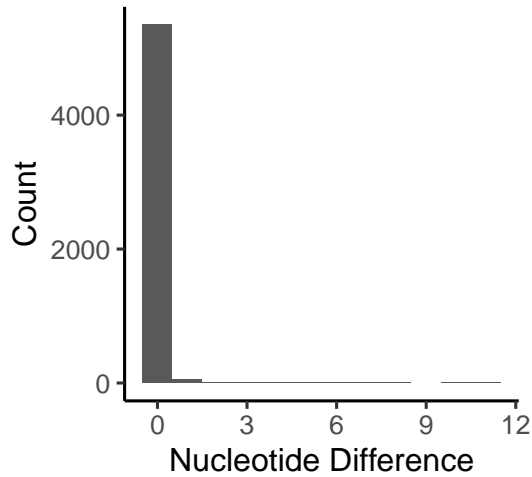
TRBV12-2*ap01

643 sequences assigned
638 (99.2%) exact matches, in which:
637 unique CDR3
13 unique J



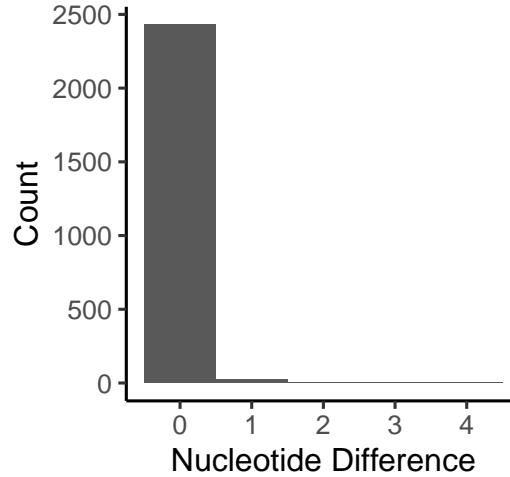
TRBV21-1*ap01

5438 sequences assigned
5350 (98.4%) exact matches, in which:
5320 unique CDR3
13 unique J



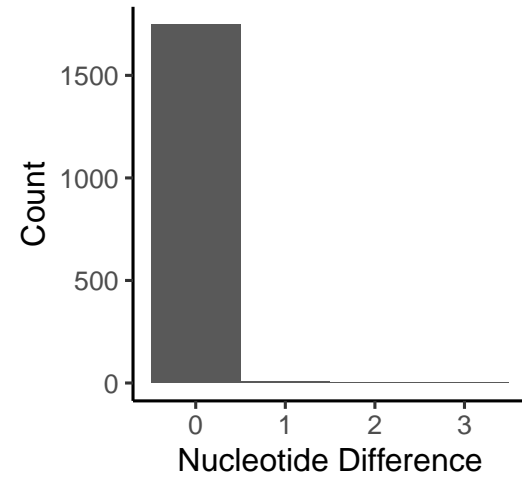
TRBV11-3*ap01

2456 sequences assigned
2430 (98.9%) exact matches, in which:
2411 unique CDR3
13 unique J



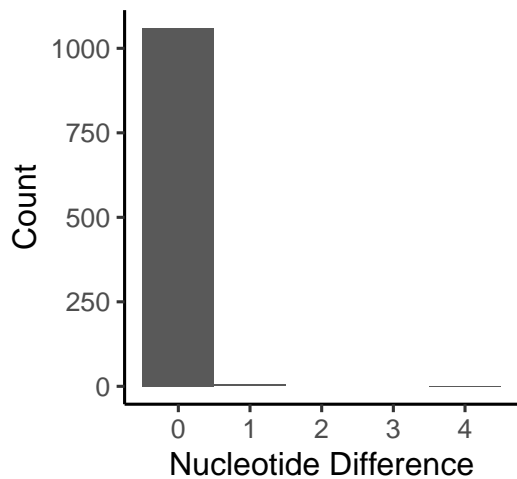
TRBV12-5*ap01

1760 sequences assigned
1747 (99.3%) exact matches, in which:
1729 unique CDR3
13 unique J



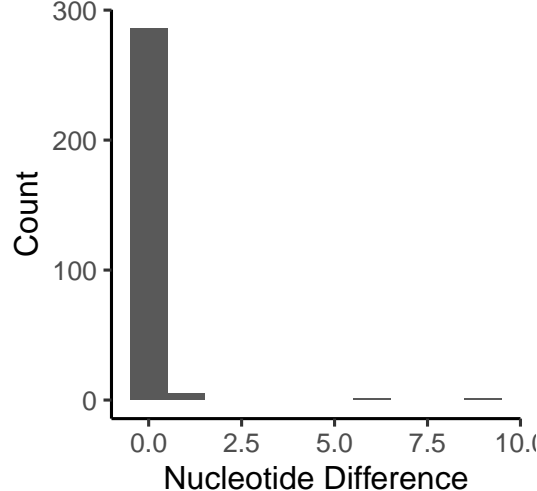
TRBV11-1*ap01

1066 sequences assigned
1060 (99.4%) exact matches, in which:
1052 unique CDR3
13 unique J



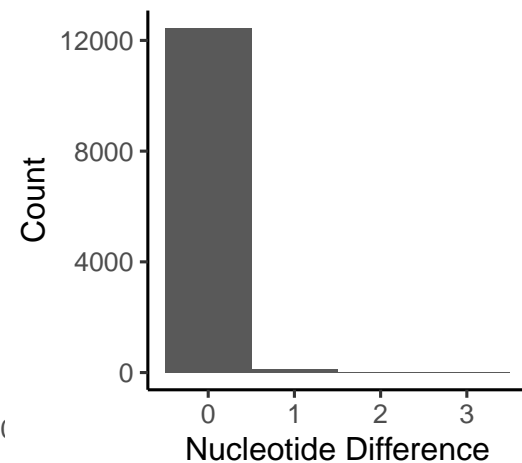
TRBV12-1*ap01

293 sequences assigned
286 (97.6%) exact matches, in which:
286 unique CDR3
13 unique J



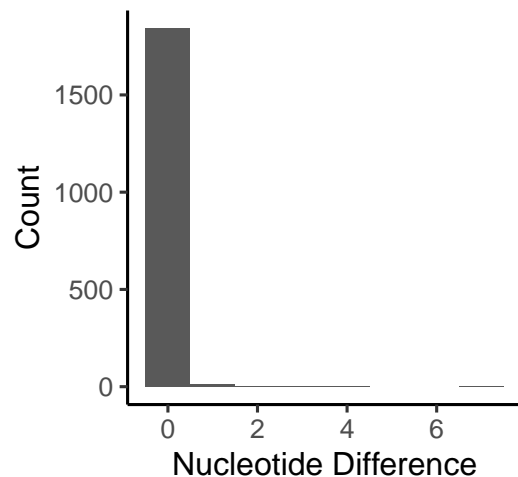
TRBV12-34*ap01

12571 sequences assigned
12456 (99.1%) exact matches, in which:
12359 unique CDR3
13 unique J



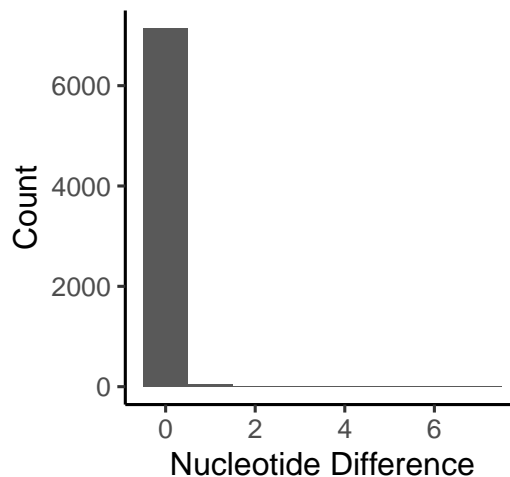
TRBV23-1*ap01

1860 sequences assigned
1842 (99%) exact matches, in which:
1832 unique CDR3
13 unique J



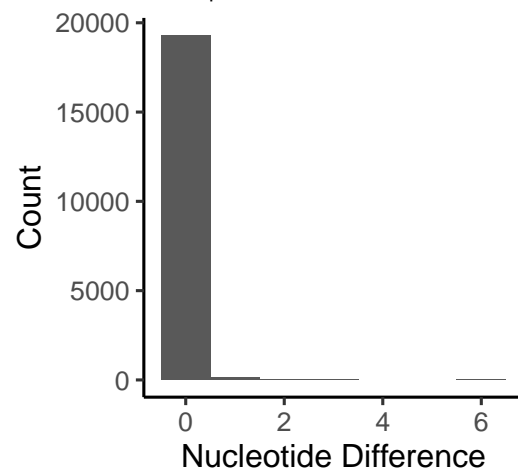
TRBV24-1*ap01

7206 sequences assigned
7141 (99.1%) exact matches, in which:
7099 unique CDR3
13 unique J



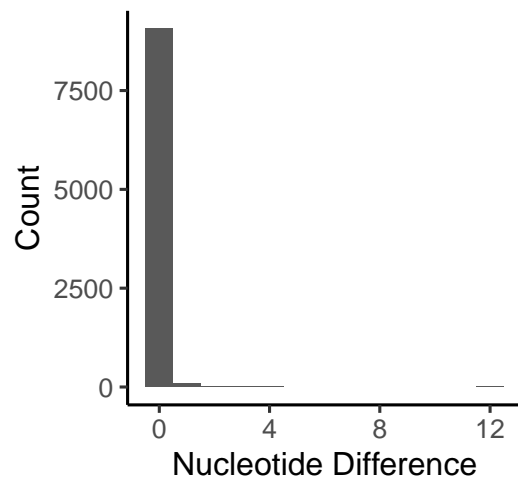
TRBV5-1*ap01

19476 sequences assigned
19307 (99.1%) exact matches, in which:
19087 unique CDR3
13 unique J



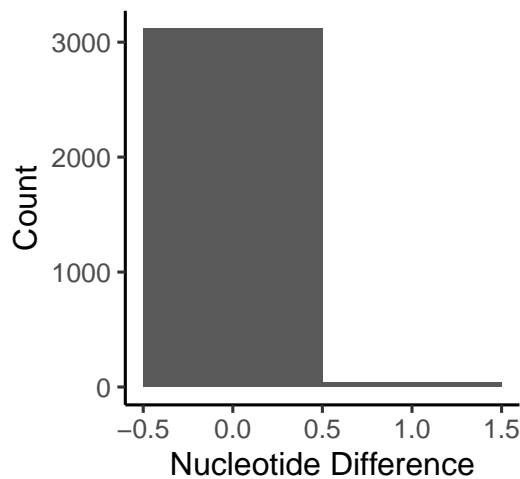
TRBV3-12*ap01

9163 sequences assigned
9064 (98.9%) exact matches, in which:
8977 unique CDR3
13 unique J



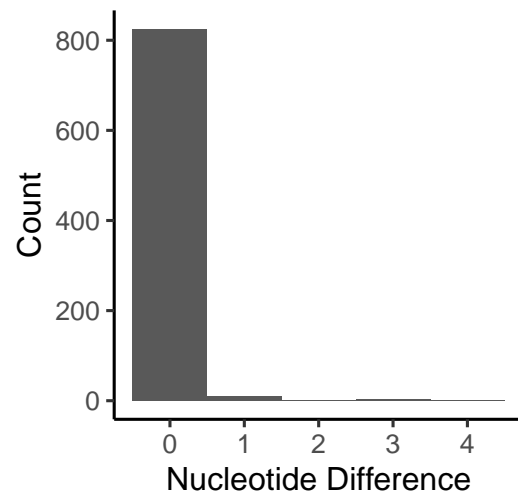
TRBV4-2*ap01

3156 sequences assigned
3117 (98.8%) exact matches, in which:
3090 unique CDR3
13 unique J



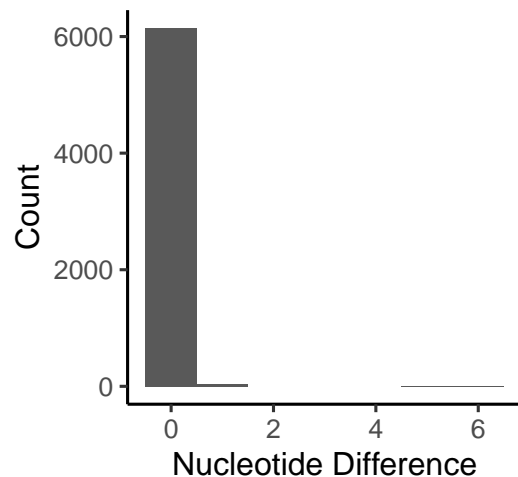
TRBV5-3*ap01

842 sequences assigned
825 (98%) exact matches, in which:
813 unique CDR3
13 unique J



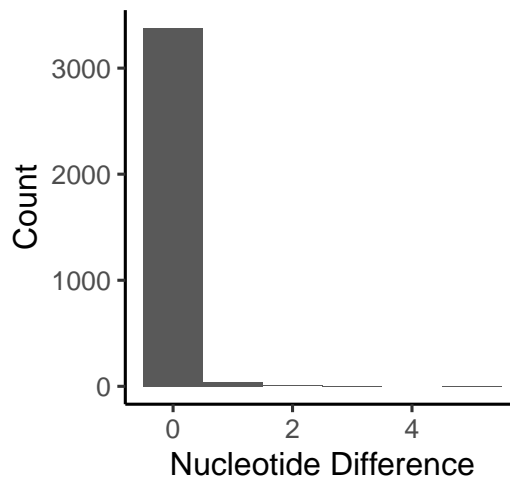
TRBV4-1*ap01

6185 sequences assigned
6146 (99.4%) exact matches, in which:
6083 unique CDR3
13 unique J



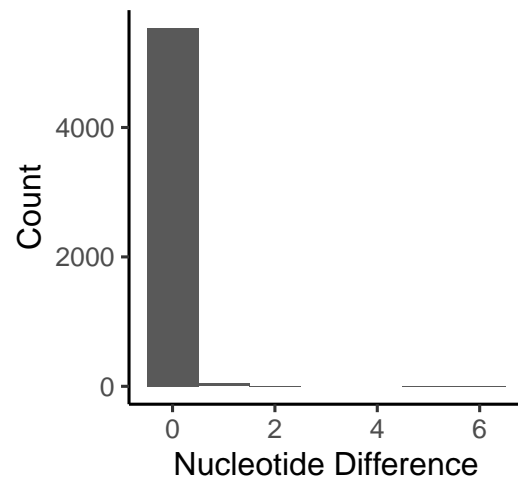
TRBV25-1*ap01

3426 sequences assigned
3378 (98.6%) exact matches, in which:
3362 unique CDR3
13 unique J



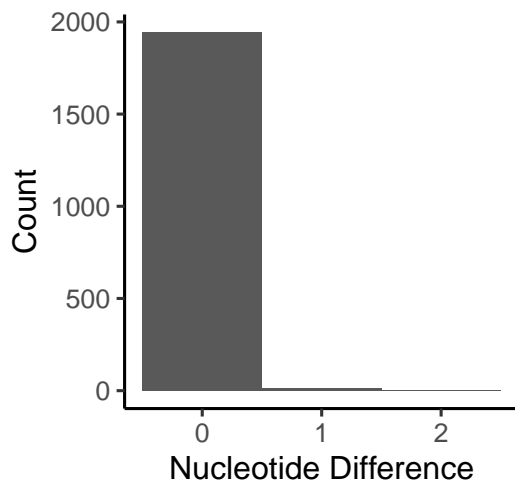
TRBV5-4*ap01

5583 sequences assigned
5537 (99.2%) exact matches, in which:
5479 unique CDR3
13 unique J



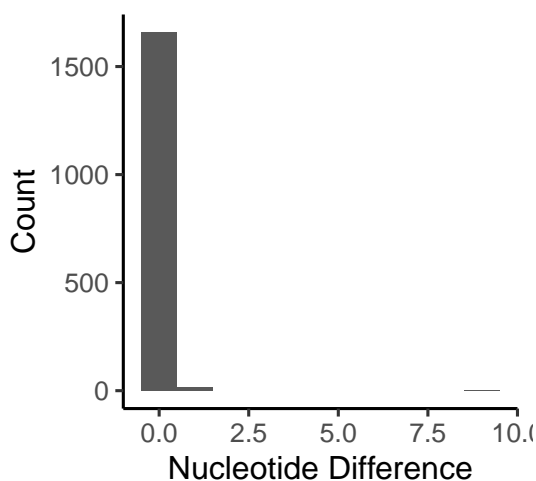
TRBV5-5*ap01

1960 sequences assigned
1943 (99.1%) exact matches, in which:
1918 unique CDR3
13 unique J



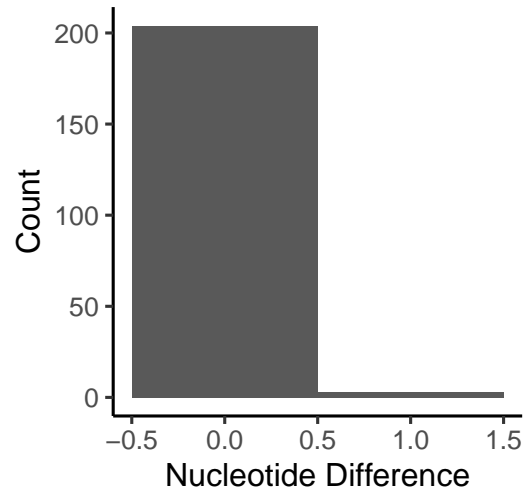
TRBV5-8*ap01

1673 sequences assigned
1658 (99.1%) exact matches, in which:
1645 unique CDR3
13 unique J



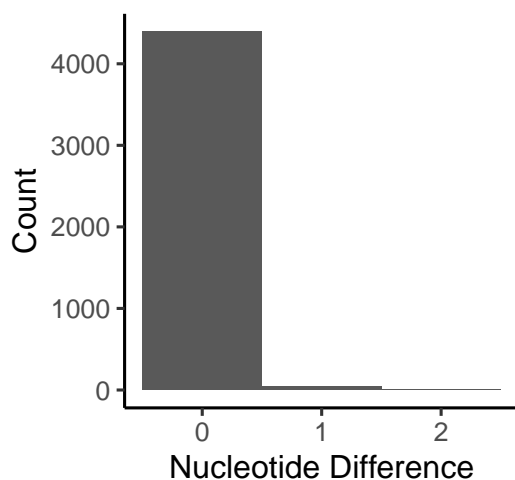
TRBV6-7*ap01

207 sequences assigned
204 (98.6%) exact matches, in which:
200 unique CDR3
12 unique J



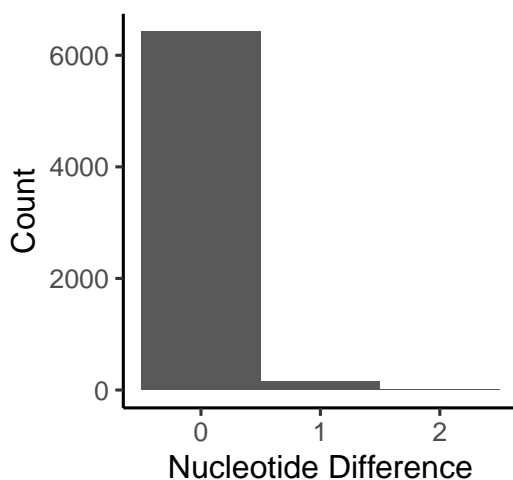
TRBV5-6*ap01

4438 sequences assigned
4393 (99%) exact matches, in which:
4351 unique CDR3
13 unique J



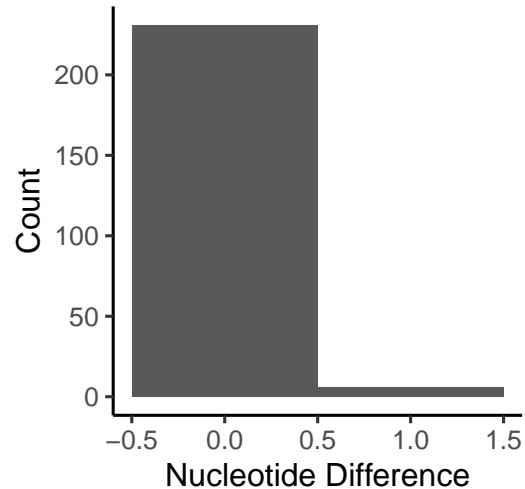
TRBV6-1*ap01

6569 sequences assigned
6422 (97.8%) exact matches, in which:
6366 unique CDR3
13 unique J



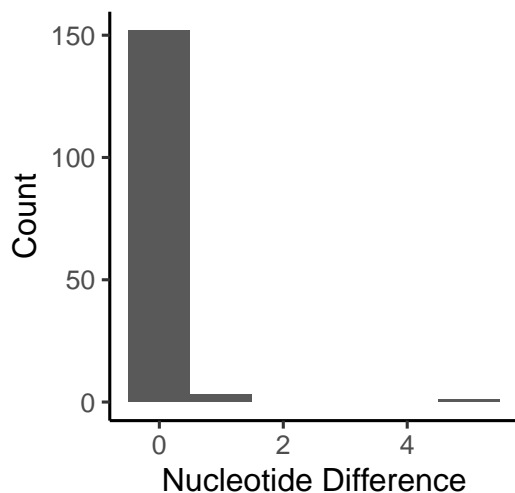
TRBV6-7*ap01_C314A

237 sequences assigned
231 (97.5%) exact matches, in which:
230 unique CDR3
12 unique J



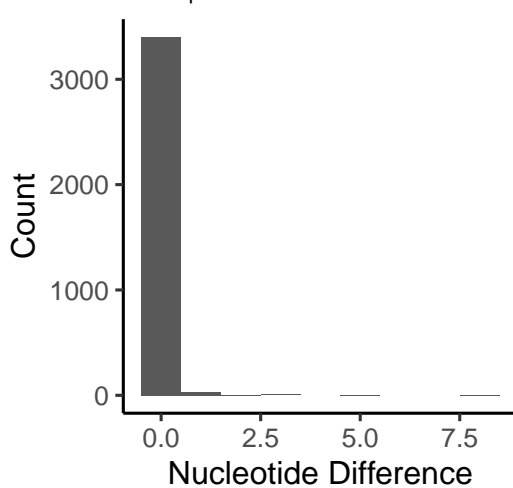
TRBV5-7*ap01

156 sequences assigned
152 (97.4%) exact matches, in which:
152 unique CDR3
12 unique J



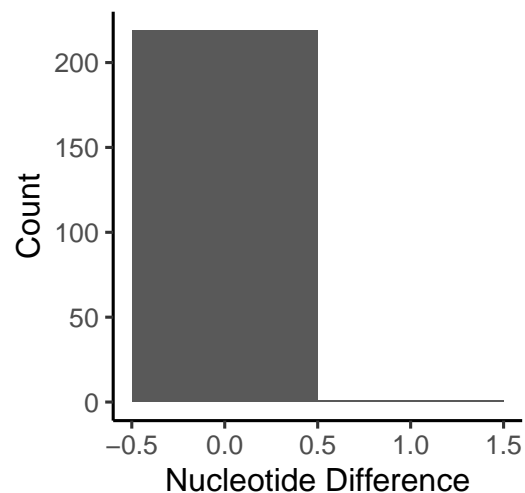
TRBV6-4*ap01

3440 sequences assigned
3401 (98.9%) exact matches, in which:
3374 unique CDR3
13 unique J



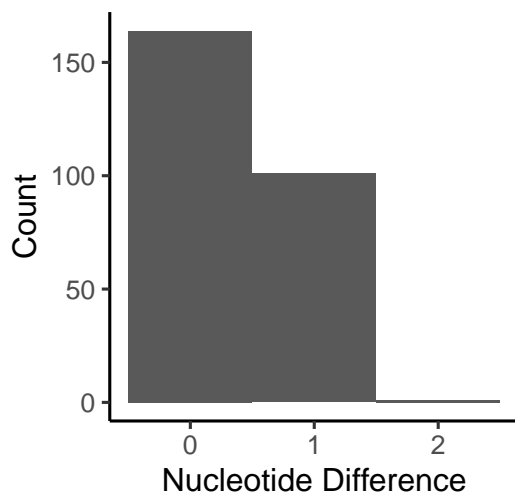
TRBV6-8*ap01

220 sequences assigned
219 (99.5%) exact matches, in which:
218 unique CDR3
12 unique J



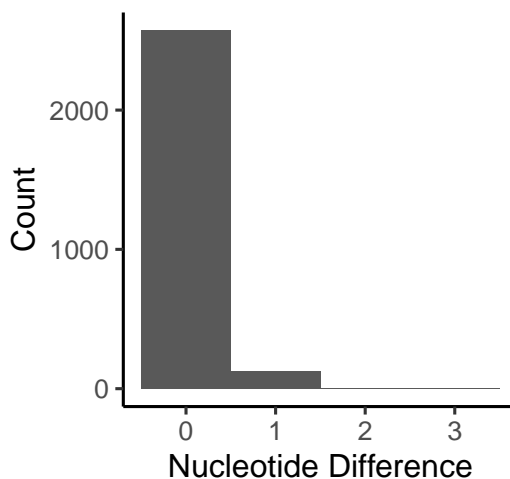
TRBV6-9*ap01

266 sequences assigned
164 (61.7%) exact matches, in which:
163 unique CDR3
12 unique J



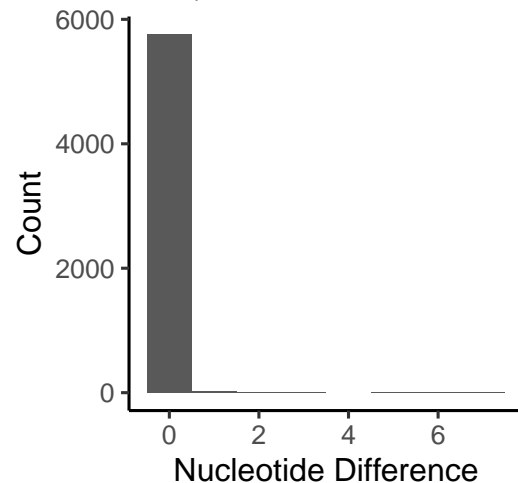
TRBV6-56*ap02

2697 sequences assigned
2572 (95.4%) exact matches, in which:
2534 unique CDR3
13 unique J



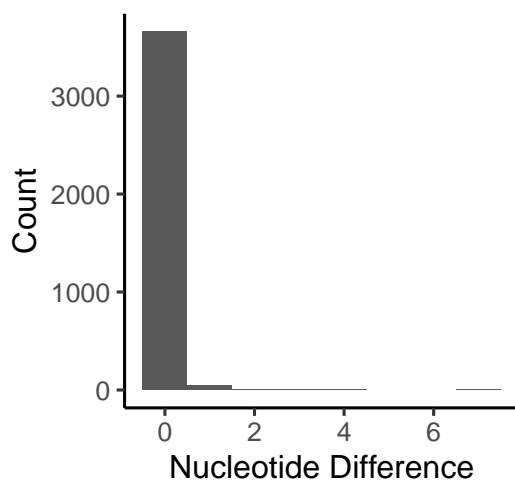
TRBV7-3*ap01

5797 sequences assigned
5758 (99.3%) exact matches, in which:
5700 unique CDR3
13 unique J



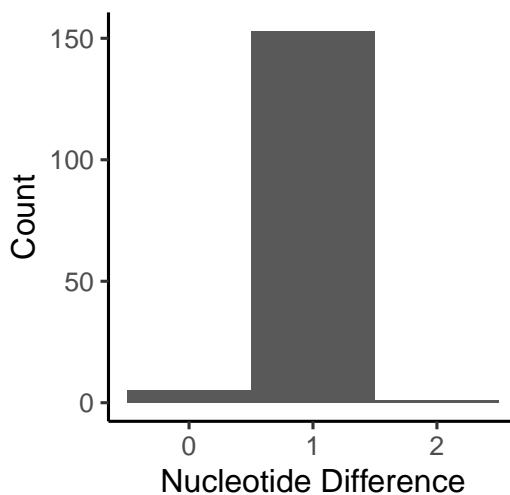
TRBV6-23*ap01

3705 sequences assigned
3657 (98.7%) exact matches, in which:
3618 unique CDR3
13 unique J



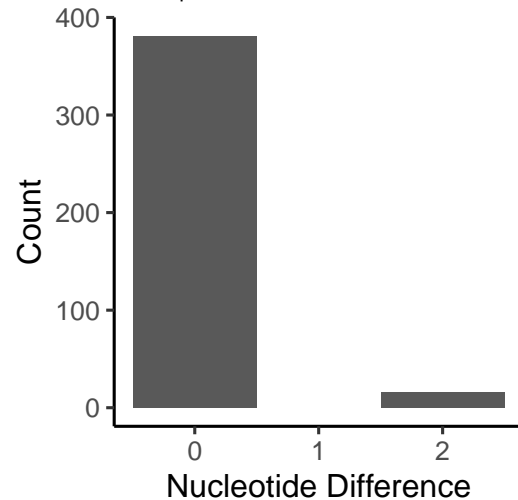
TRBV7-1*ap01_T296C

159 sequences assigned
5 (3.1%) exact matches, in which:
5 unique CDR3
3 unique J



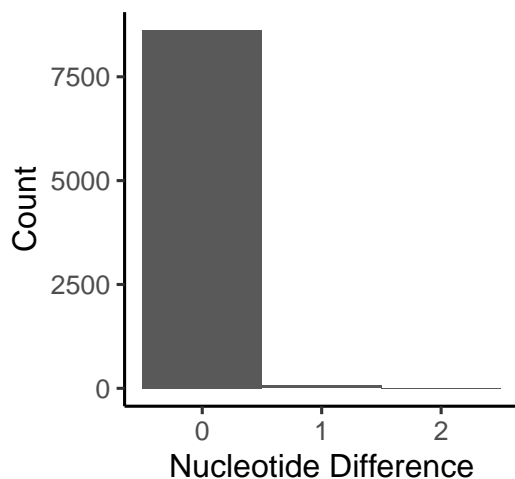
TRBV7-4*ap01

397 sequences assigned
381 (96%) exact matches, in which:
378 unique CDR3
13 unique J



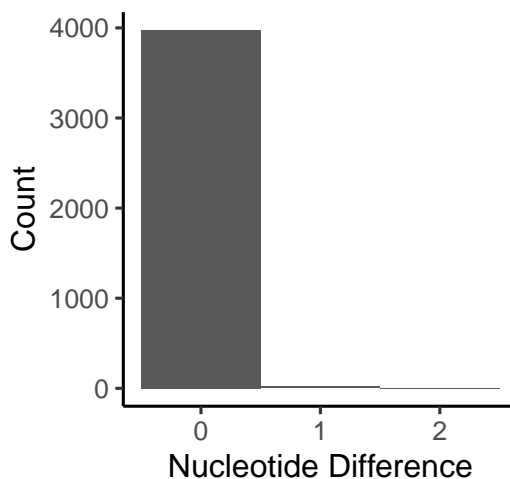
TRBV6-56*ap01

8698 sequences assigned
8625 (99.2%) exact matches, in which:
8528 unique CDR3
13 unique J



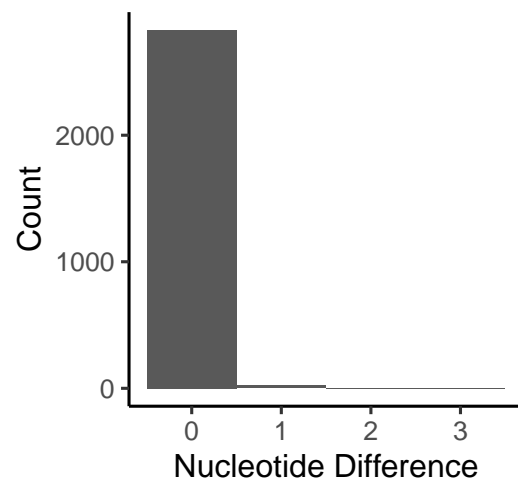
TRBV7-2*ap01

3999 sequences assigned
3976 (99.4%) exact matches, in which:
3950 unique CDR3
13 unique J



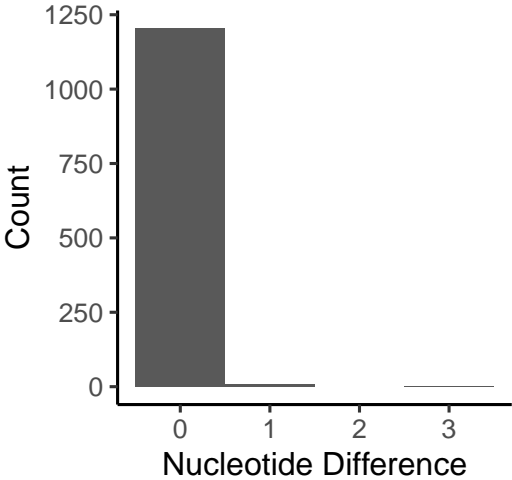
TRBV7-6*ap01

2859 sequences assigned
2831 (99%) exact matches, in which:
2806 unique CDR3
13 unique J



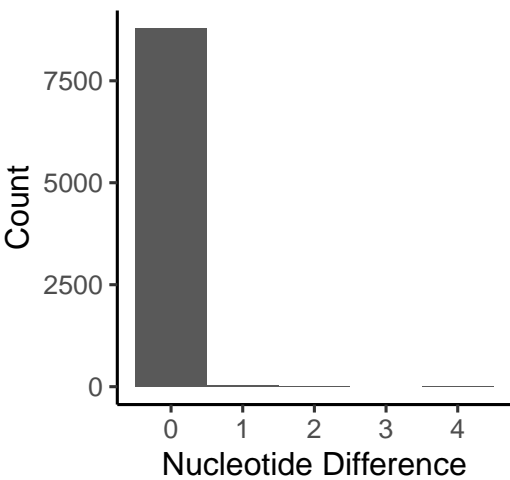
TRBV7-7*ap01_C315T

1213 sequences assigned
1204 (99.3%) exact matches, in which:
1195 unique CDR3
12 unique J



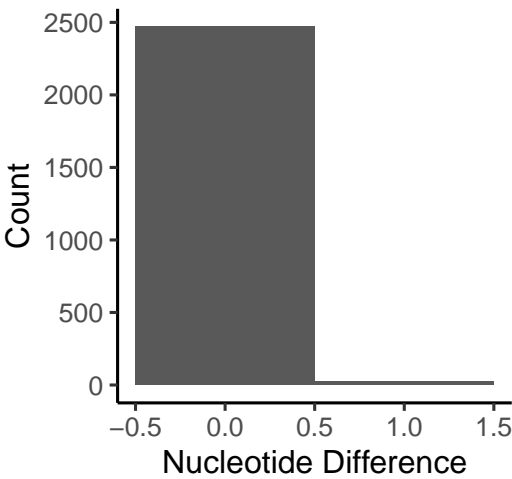
TRBV7-9*ap01

8817 sequences assigned
8784 (99.6%) exact matches, in which:
8759 unique CDR3
13 unique J



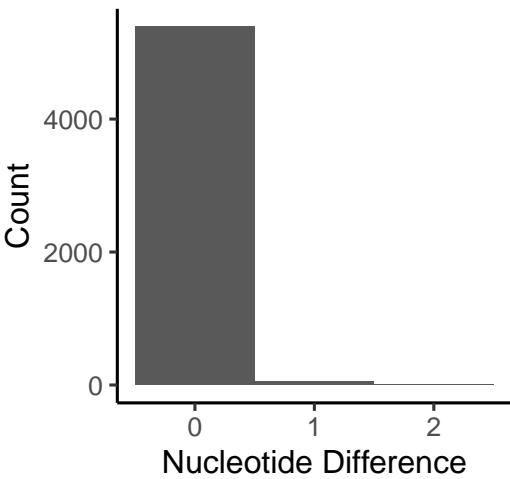
TRBV7-8*ap01

2493 sequences assigned
2470 (99.1%) exact matches, in which:
2454 unique CDR3
13 unique J



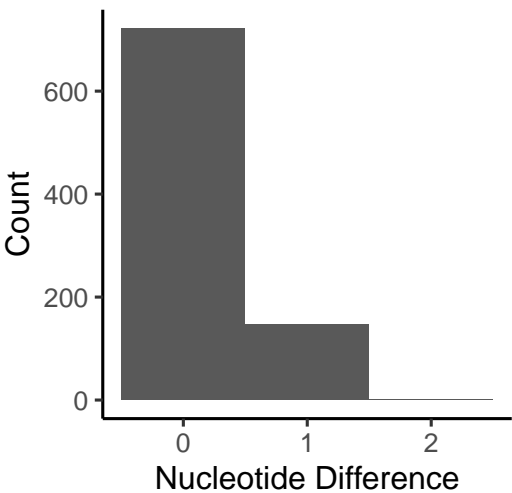
TRBV29-1*ap01

5438 sequences assigned
5389 (99.1%) exact matches, in which:
5340 unique CDR3
13 unique J



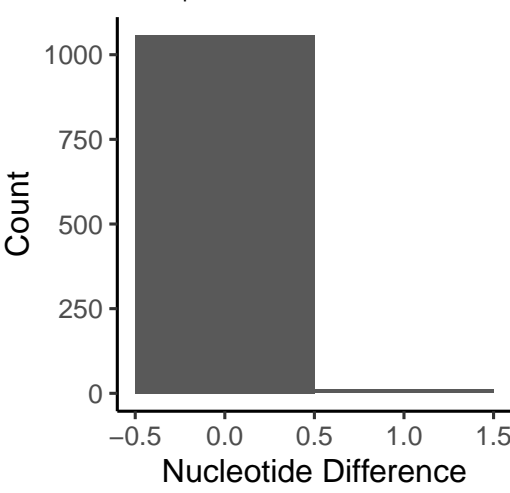
TRBV7-8*ap03

869 sequences assigned
722 (83.1%) exact matches, in which:
717 unique CDR3
13 unique J

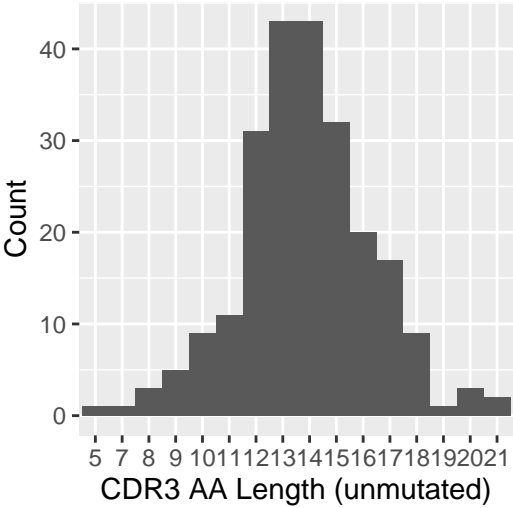


TRBV29-1*ap02

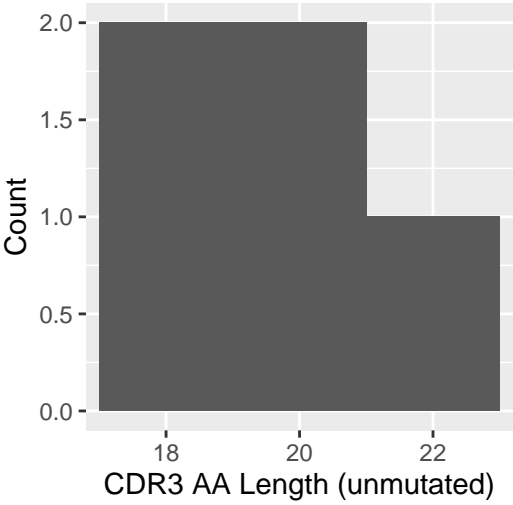
1069 sequences assigned
1058 (99%) exact matches, in which:
1055 unique CDR3
13 unique J



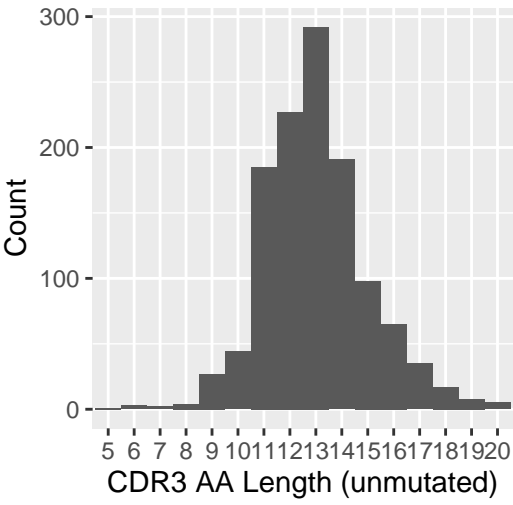
TRBV6-7*ap01_C314A



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]