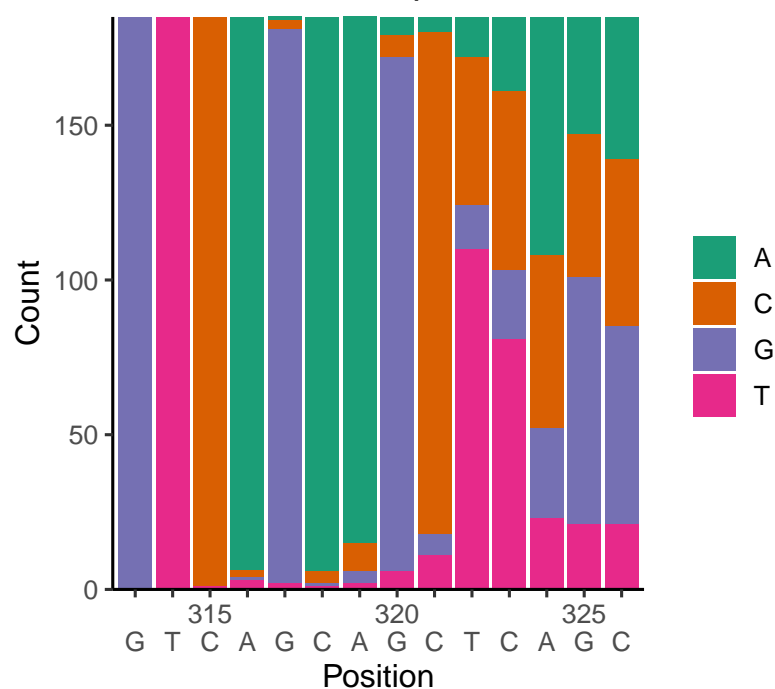
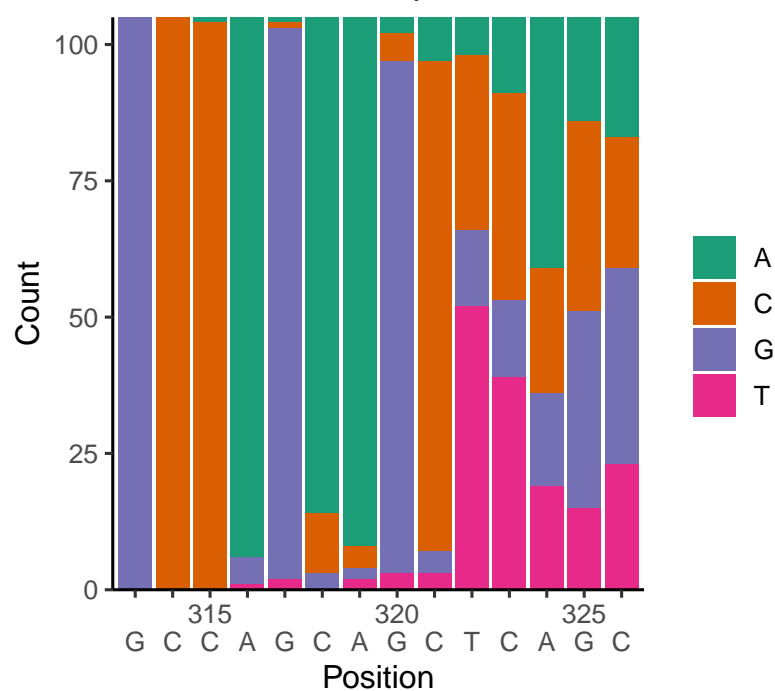


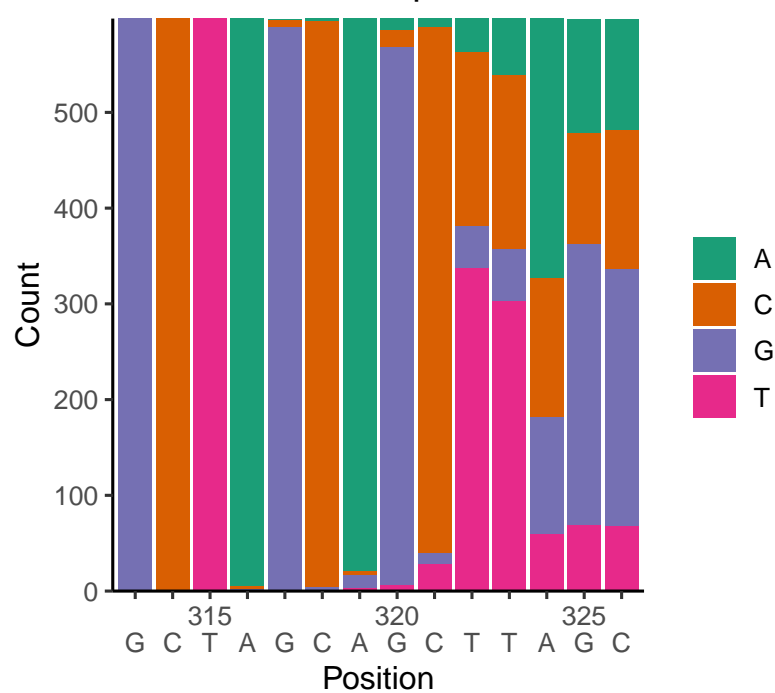
Gene TRBV7-1*ap01_G291C_T296C_C314T



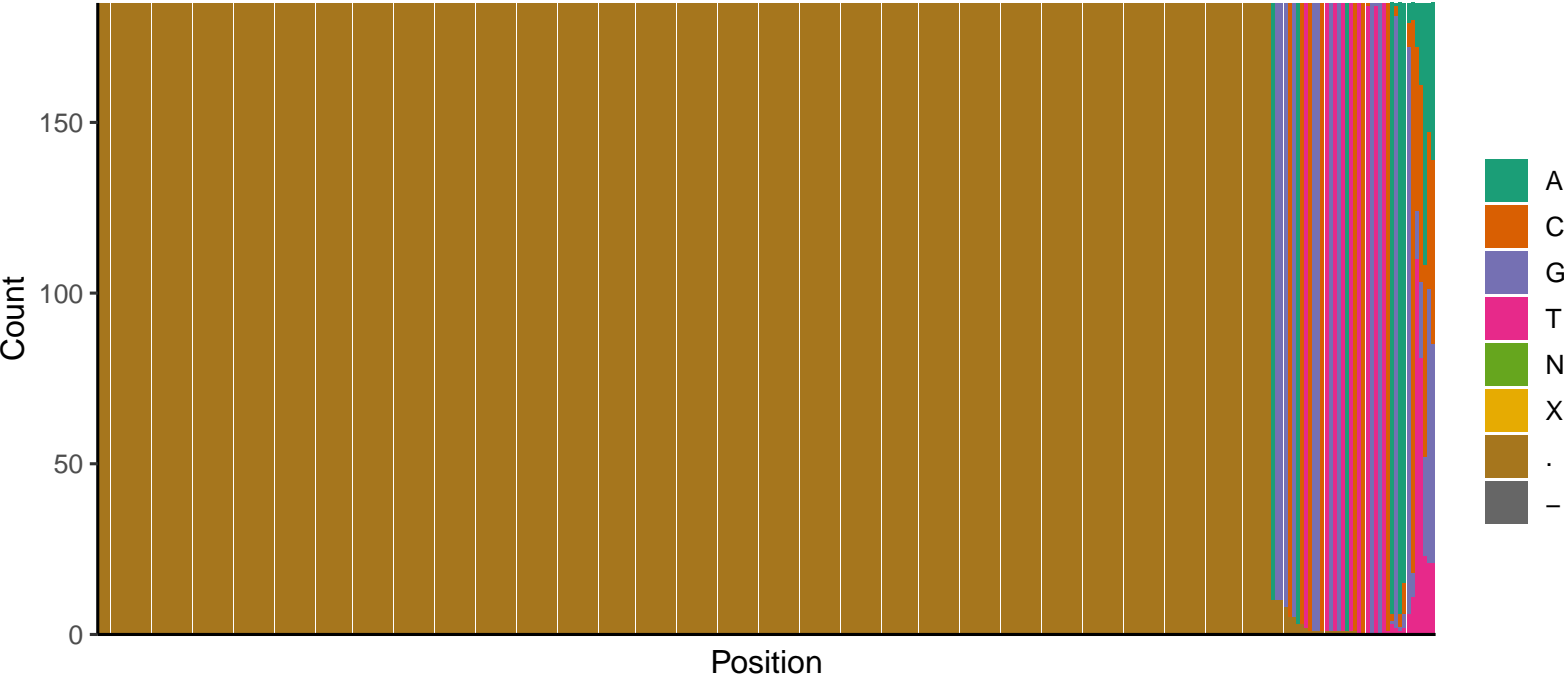
Gene TRBV7-1*ap01_G291C_T296C



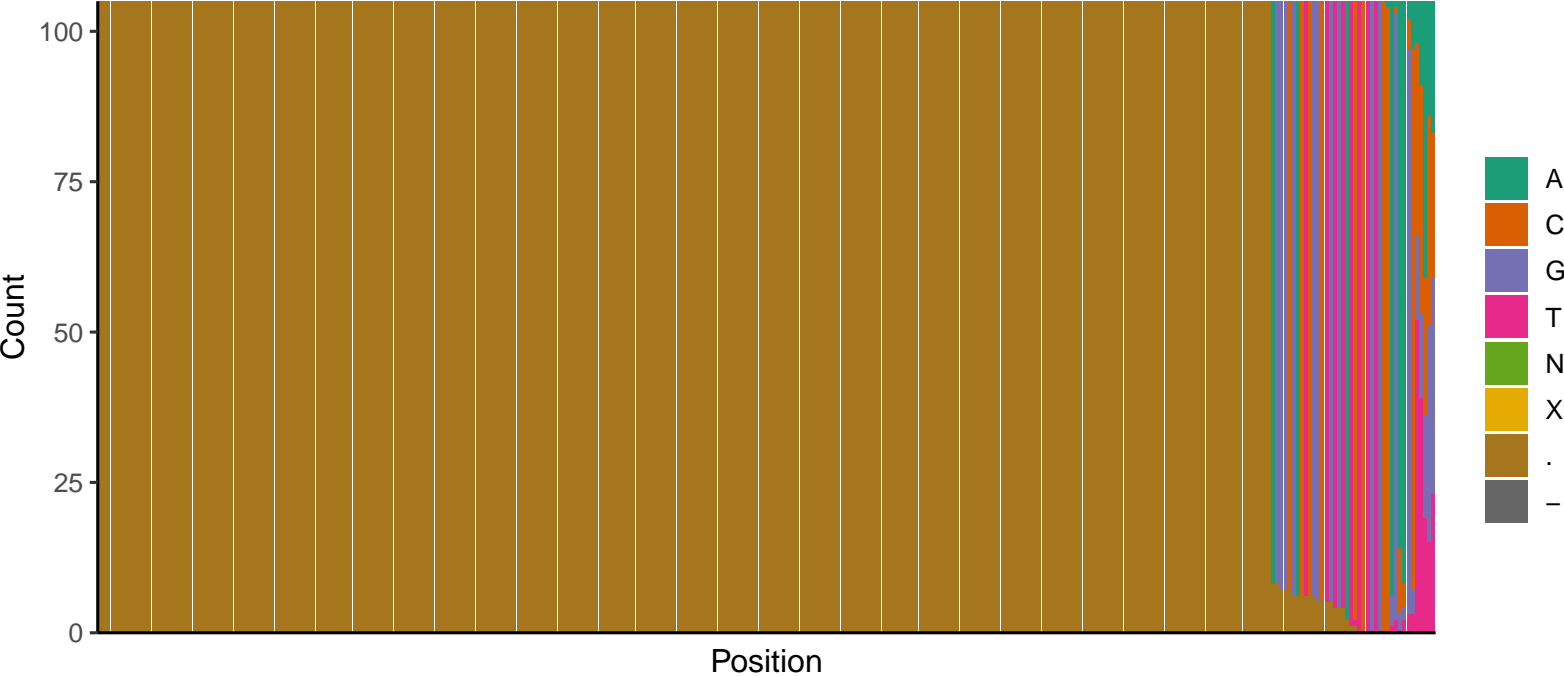
Gene TRBV7-7*ap01_C315T



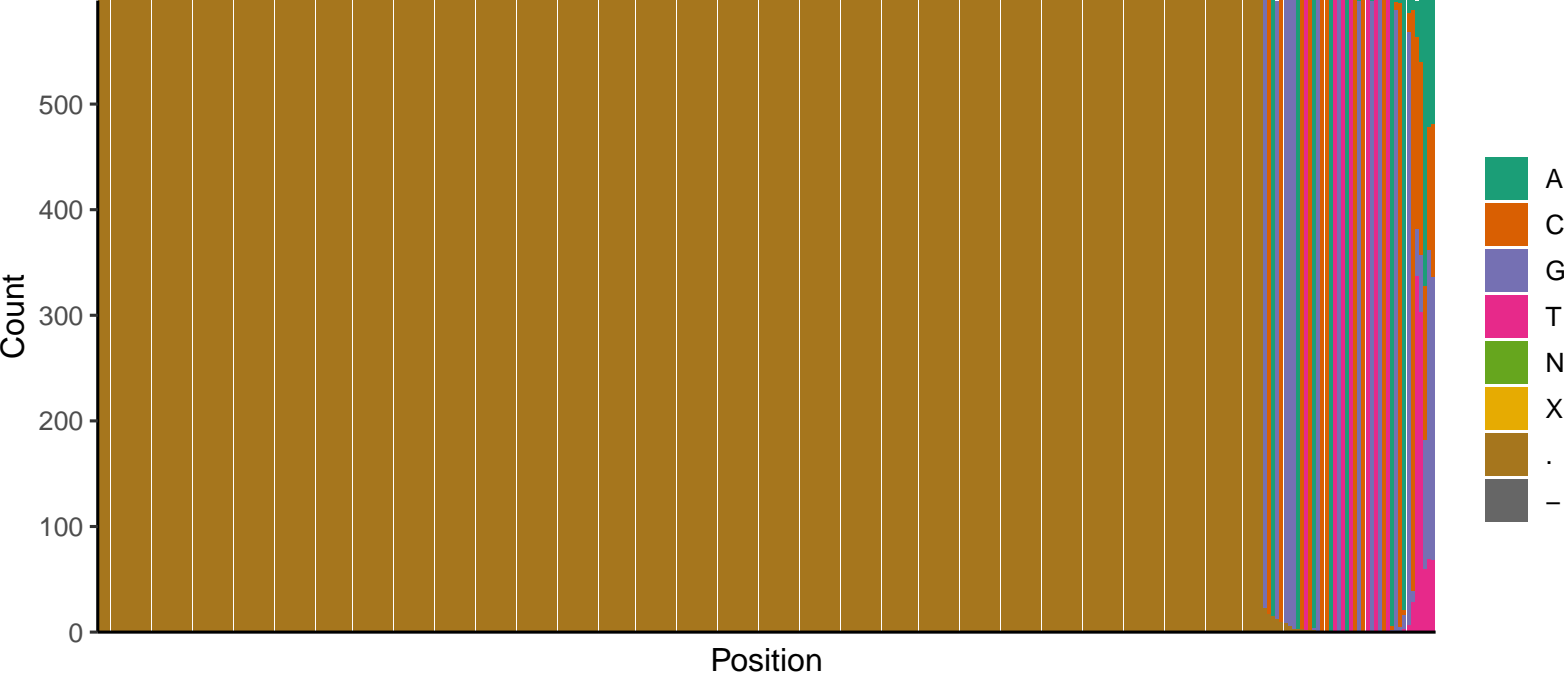
Gene TRBV7-1*ap01_G291C_T296C_C314T



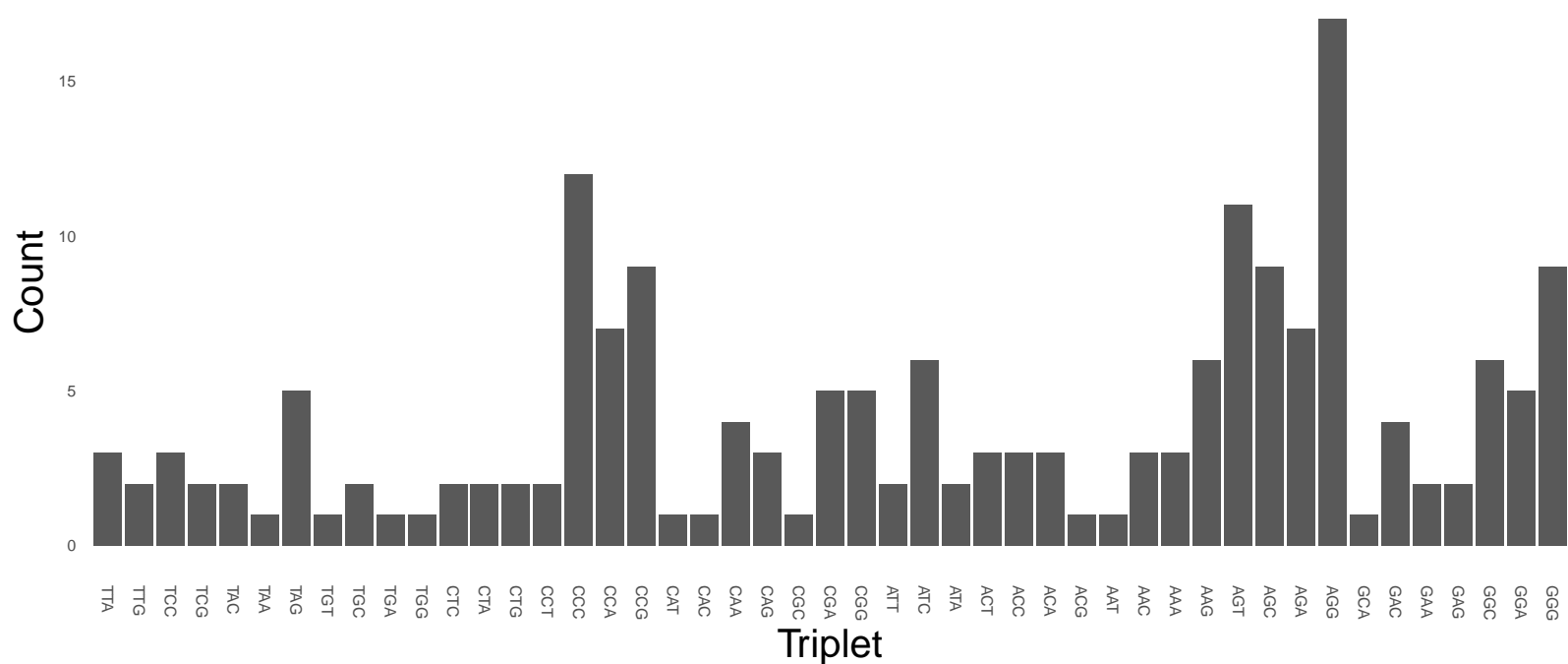
Gene TRBV7-1*ap01_G291C_T296C



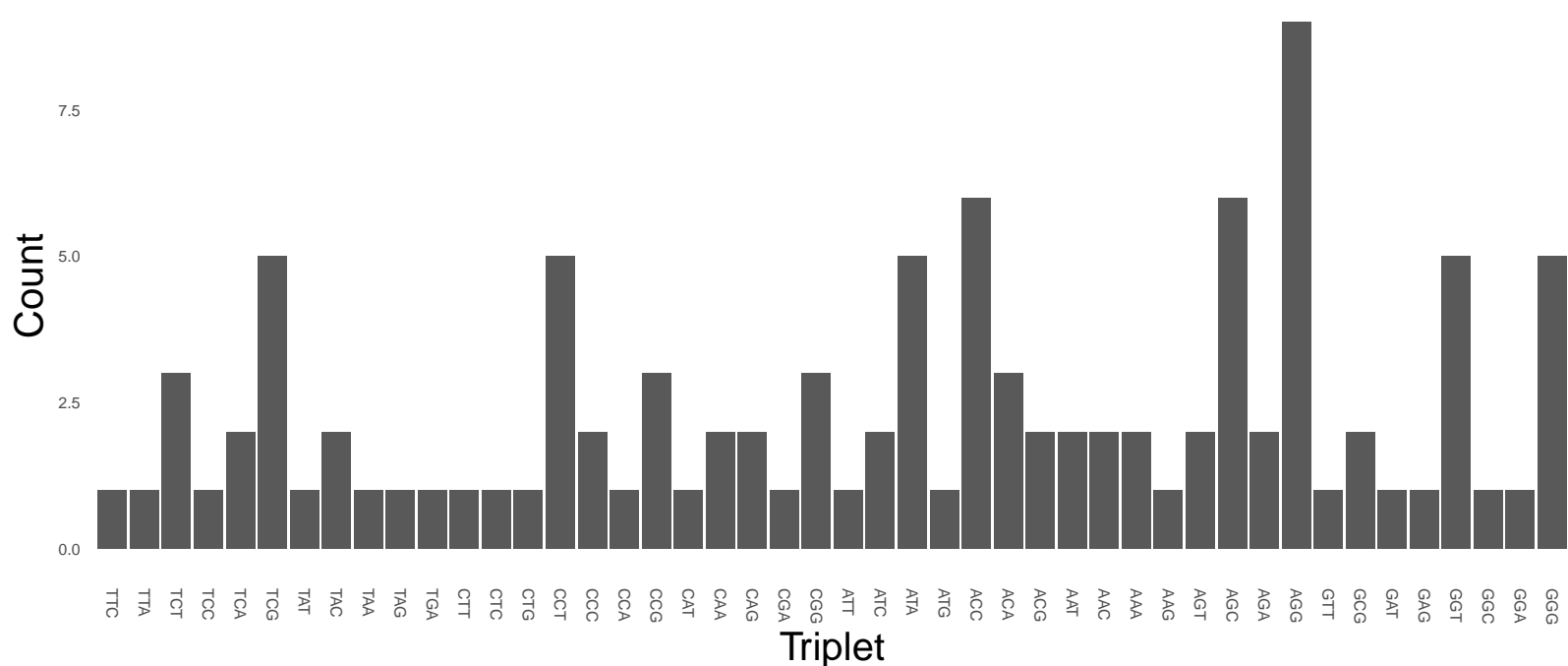
Gene TRBV7-7*ap01_C315T



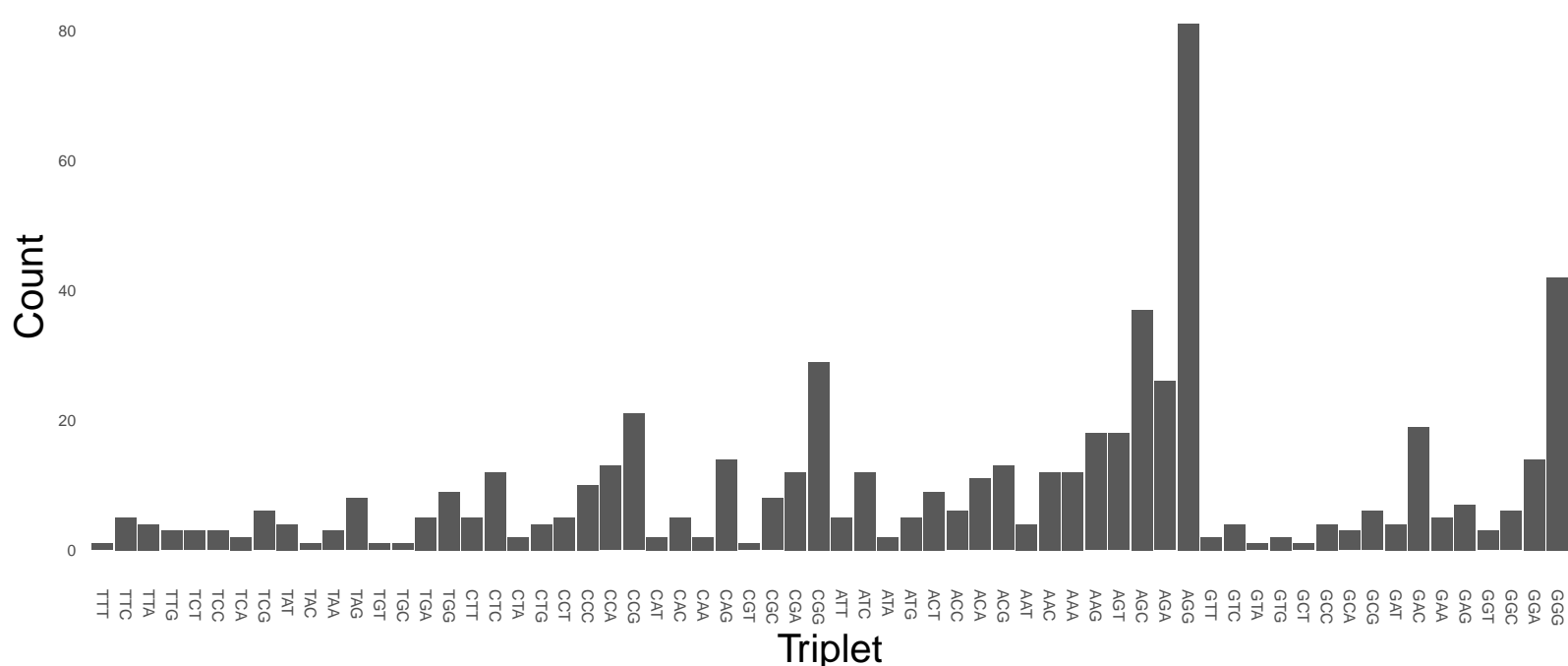
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

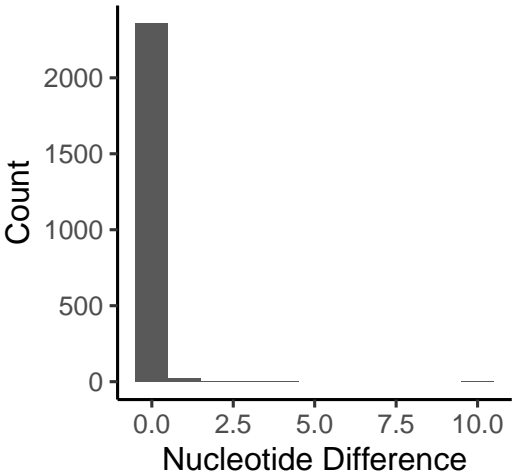


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



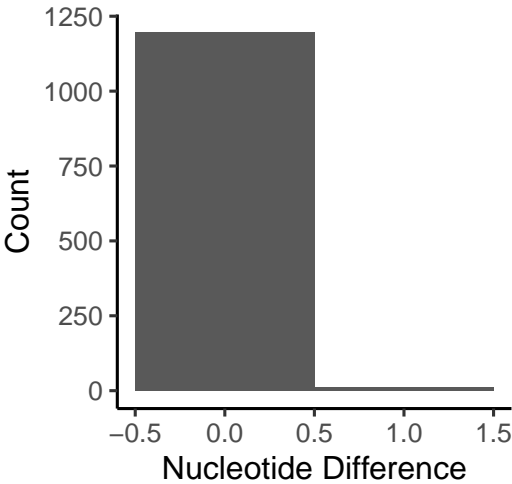
TRBV10-1*ap01

2388 sequences assigned
2358 (98.7%) exact matches, in which:
2299 unique CDR3
13 unique J



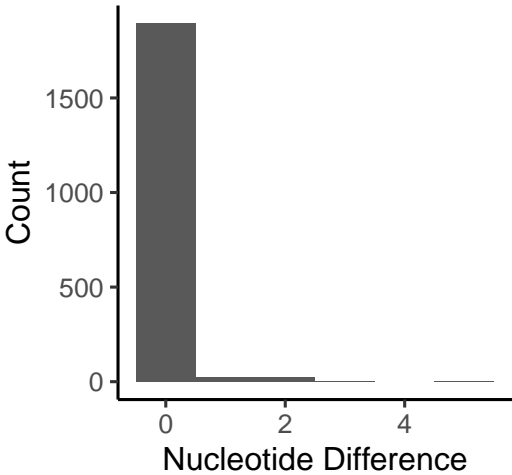
TRBV10-2*ap01

1209 sequences assigned
1196 (98.9%) exact matches, in which:
1154 unique CDR3
13 unique J



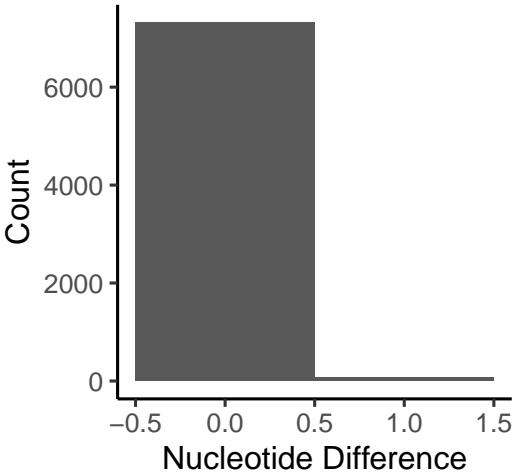
TRBV13*ap01

1946 sequences assigned
1894 (97.3%) exact matches, in which:
1837 unique CDR3
13 unique J



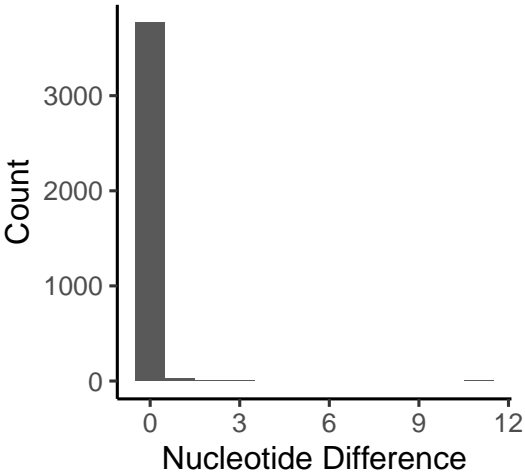
TRBV20-1*ap01

7386 sequences assigned
7315 (99%) exact matches, in which:
7178 unique CDR3
13 unique J



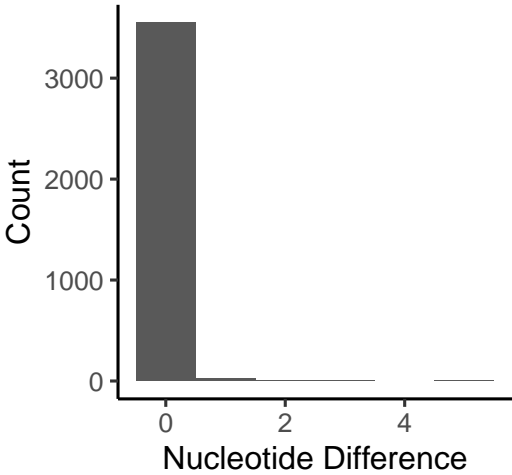
TRBV10-3*ap01

3802 sequences assigned
3767 (99.1%) exact matches, in which:
3686 unique CDR3
13 unique J



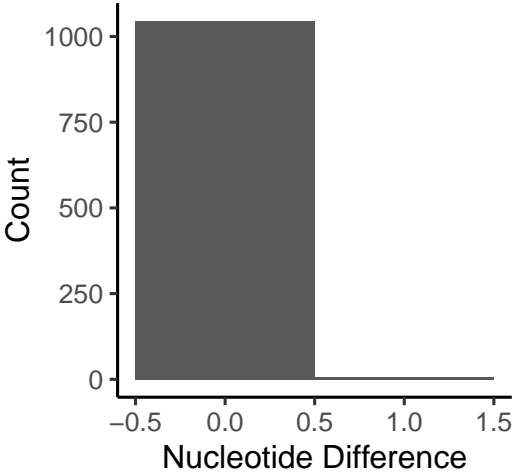
TRBV14*ap01

3576 sequences assigned
3549 (99.2%) exact matches, in which:
3485 unique CDR3
13 unique J



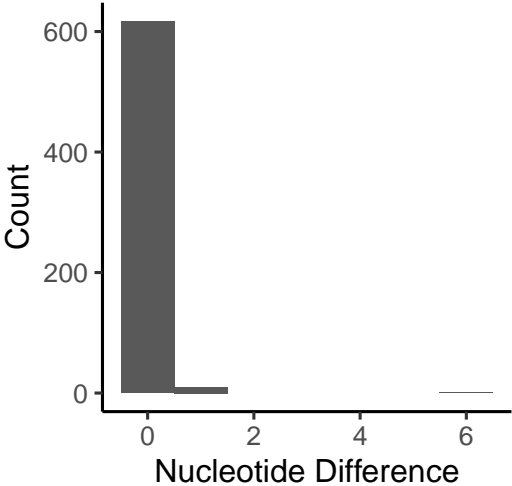
TRBV20-1*ap02

1052 sequences assigned
1045 (99.3%) exact matches, in which:
1022 unique CDR3
13 unique J



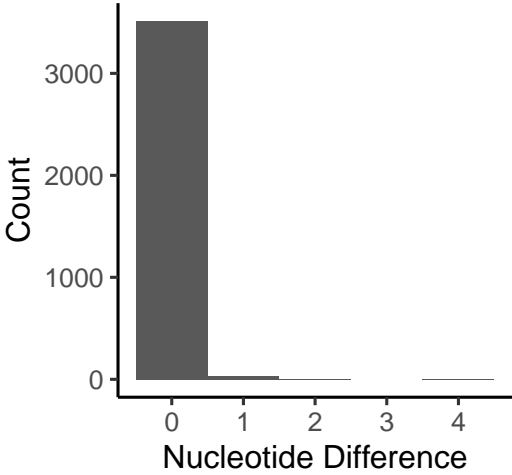
TRBV1*ap01

628 sequences assigned
617 (98.2%) exact matches, in which:
602 unique CDR3
13 unique J



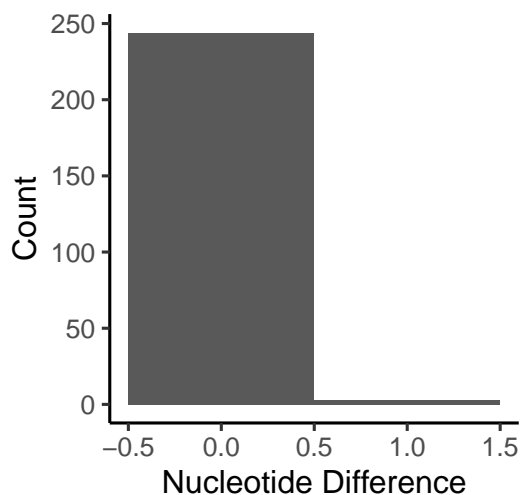
TRBV15*ap02

3550 sequences assigned
3513 (99%) exact matches, in which:
3425 unique CDR3
13 unique J



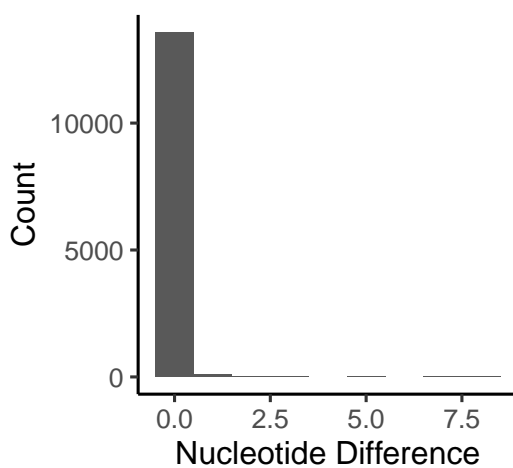
TRBV16*ap01

247 sequences assigned
244 (98.8%) exact matches, in which:
241 unique CDR3
13 unique J



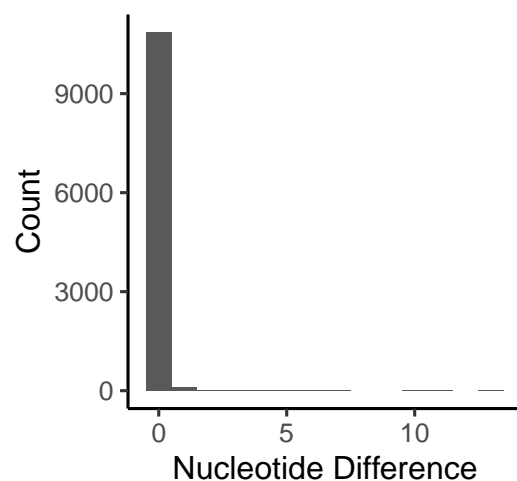
TRBV19*ap01

13717 sequences assigned
13582 (99%) exact matches, in which:
13413 unique CDR3
13 unique J



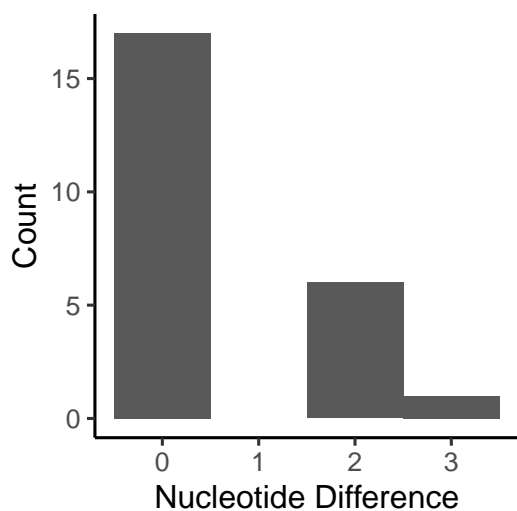
TRBV27*ap01

10986 sequences assigned
10855 (98.8%) exact matches, in which:
10601 unique CDR3
13 unique J



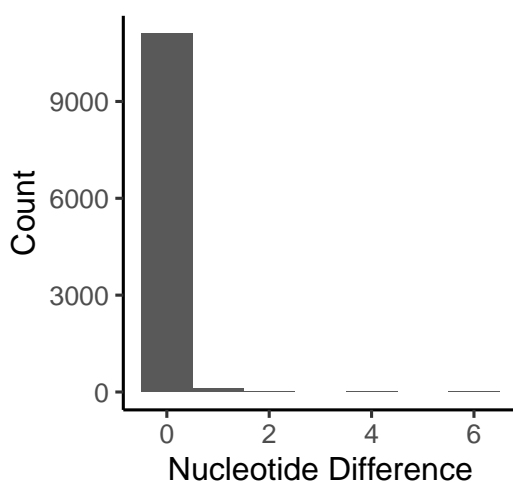
TRBV17*ap01

24 sequences assigned
17 (70.8%) exact matches, in which:
16 unique CDR3
9 unique J



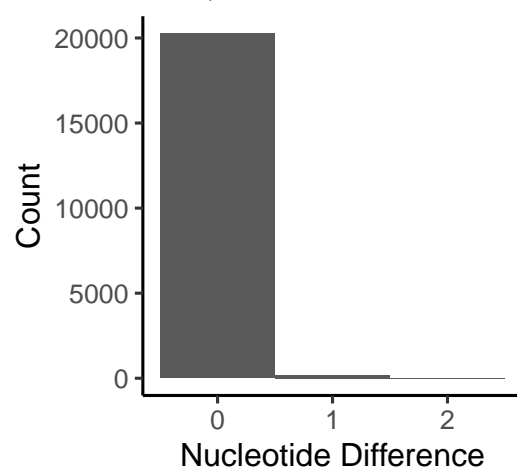
TRBV2*ap01

11210 sequences assigned
11098 (99%) exact matches, in which:
10834 unique CDR3
13 unique J



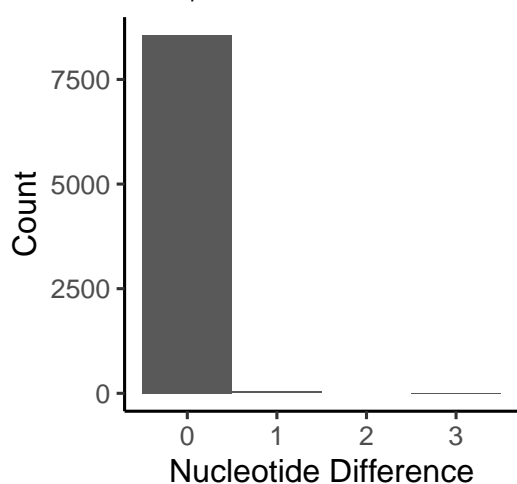
TRBV28*ap01

20470 sequences assigned
20265 (99%) exact matches, in which:
19853 unique CDR3
13 unique J



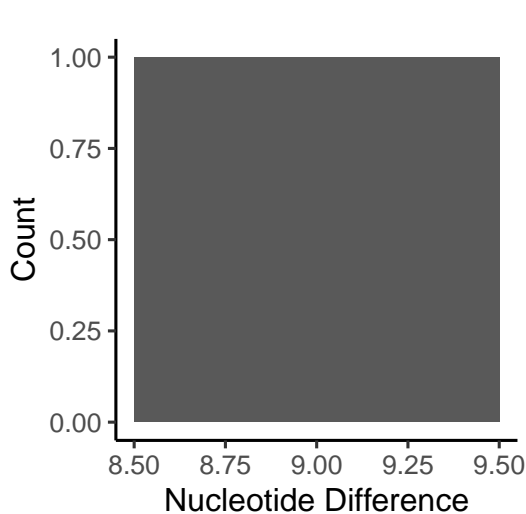
TRBV18*ap01

8608 sequences assigned
8561 (99.5%) exact matches, in which:
8441 unique CDR3
13 unique J



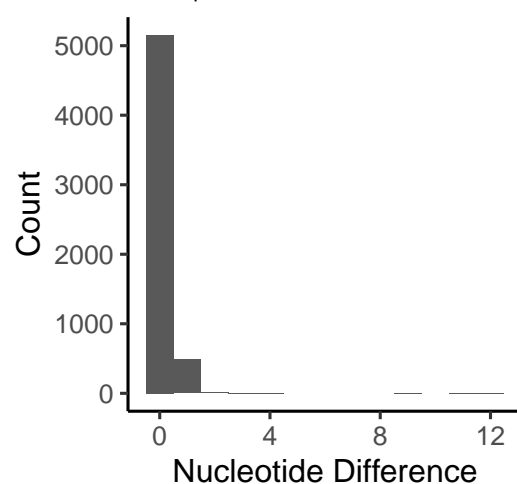
TRBV26*ap01

1 sequences assigned
No exact matches.



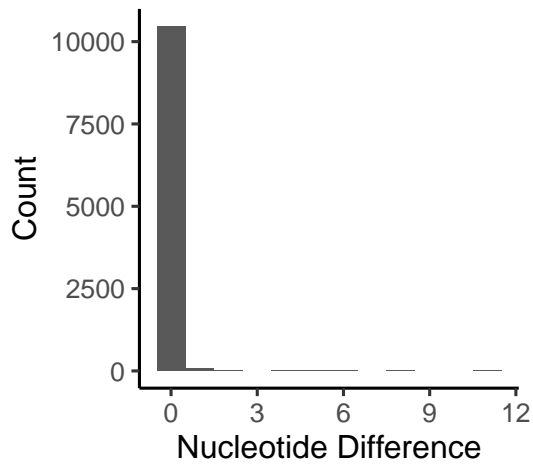
TRBV30*ap01

5659 sequences assigned
5153 (91.1%) exact matches, in which:
5069 unique CDR3
13 unique J



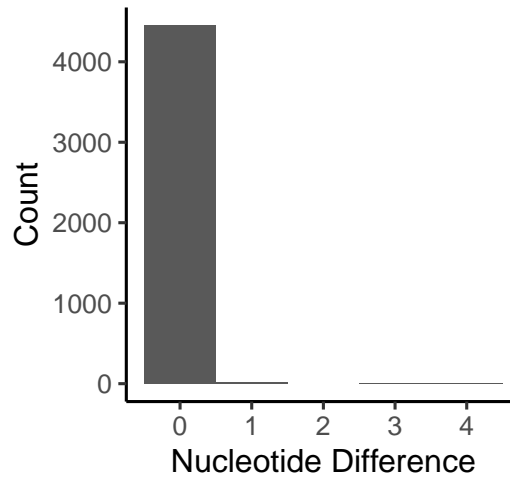
TRBV9*ap01

10573 sequences assigned
10470 (99%) exact matches, in which:
10280 unique CDR3
13 unique J



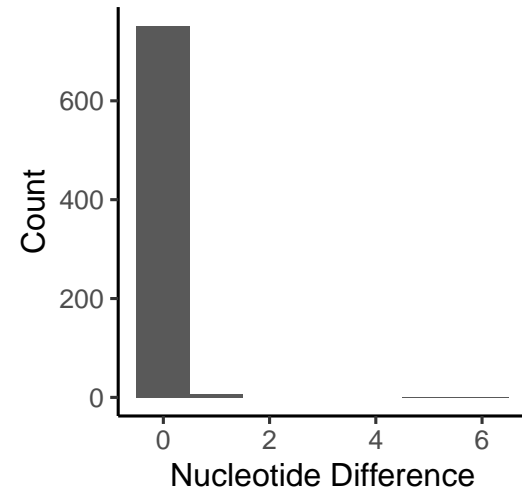
TRBV11-2*ap01

4478 sequences assigned
4452 (99.4%) exact matches, in which:
4410 unique CDR3
13 unique J



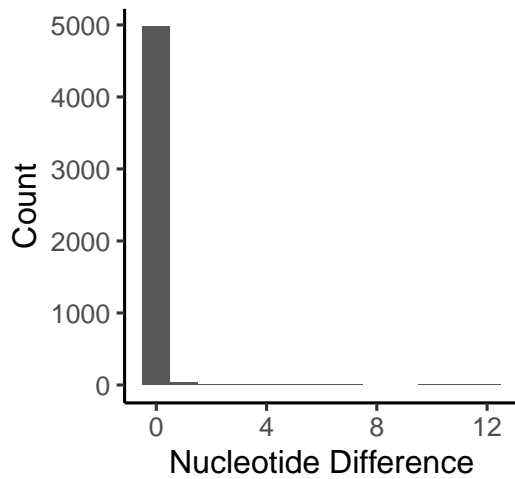
TRBV12-2*ap01

761 sequences assigned
752 (98.8%) exact matches, in which:
738 unique CDR3
13 unique J



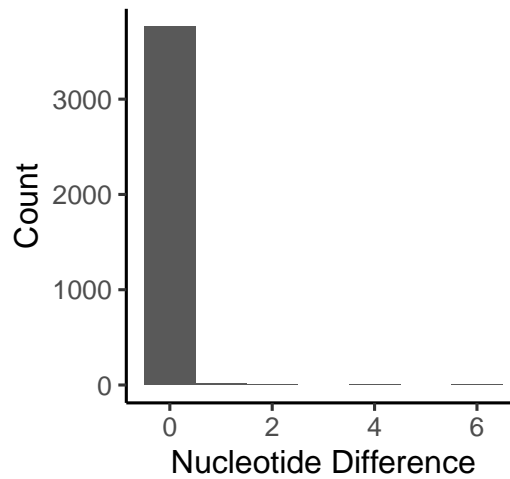
TRBV21-1*ap01

5039 sequences assigned
4975 (98.7%) exact matches, in which:
4904 unique CDR3
13 unique J



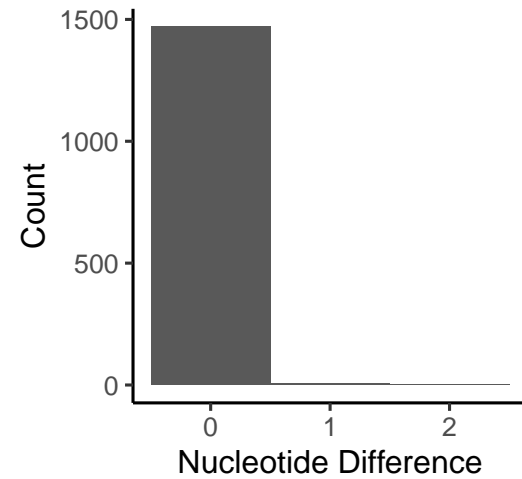
TRBV11-3*ap01

3780 sequences assigned
3760 (99.5%) exact matches, in which:
3728 unique CDR3
13 unique J



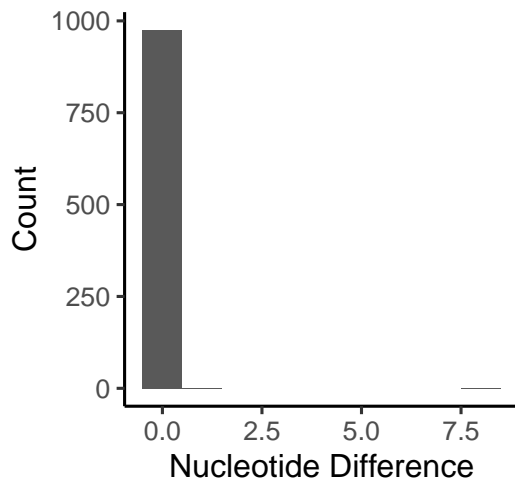
TRBV12-5*ap01

1479 sequences assigned
1470 (99.4%) exact matches, in which:
1438 unique CDR3
13 unique J



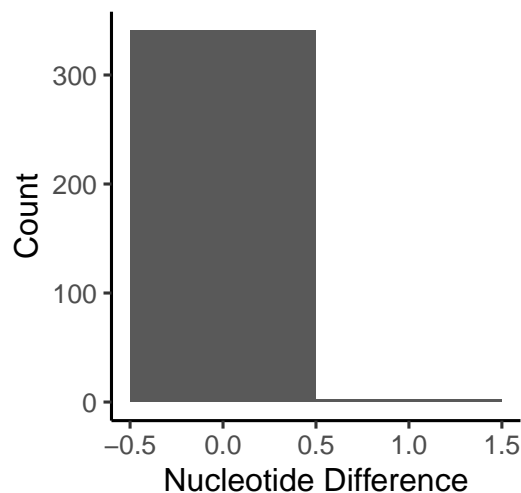
TRBV11-1*ap01

977 sequences assigned
975 (99.8%) exact matches, in which:
960 unique CDR3
13 unique J



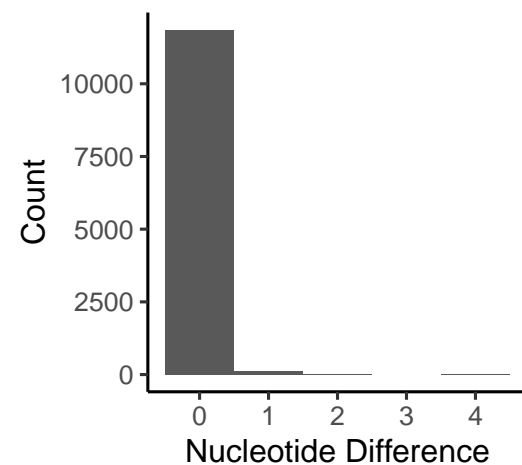
TRBV12-1*ap01

343 sequences assigned
341 (99.4%) exact matches, in which:
336 unique CDR3
13 unique J



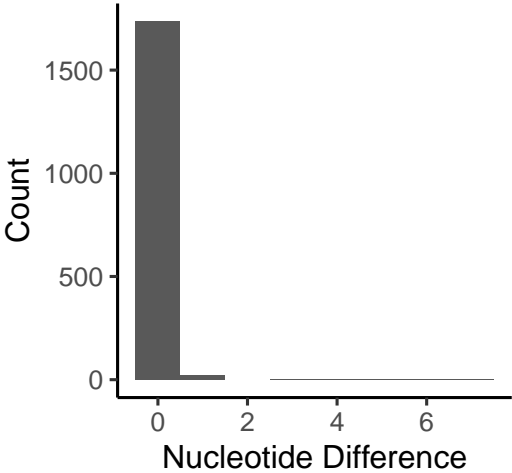
TRBV12-34*ap01

11970 sequences assigned
11856 (99%) exact matches, in which:
11594 unique CDR3
13 unique J



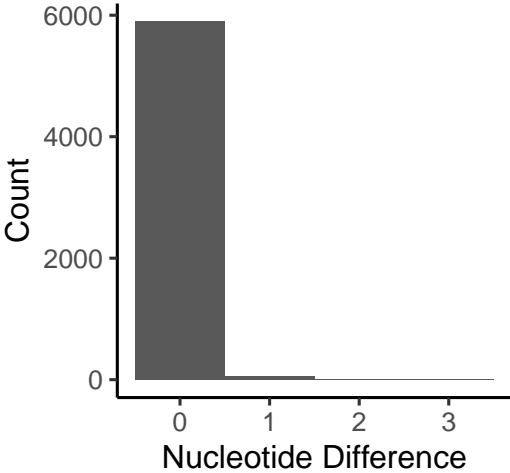
TRBV23-1*ap01

1767 sequences assigned
1736 (98.2%) exact matches, in which:
1710 unique CDR3
13 unique J



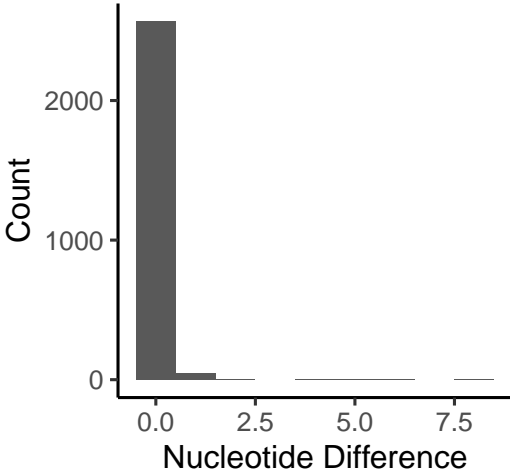
TRBV4-1*ap01

5951 sequences assigned
5898 (99.1%) exact matches, in which:
5763 unique CDR3
13 unique J



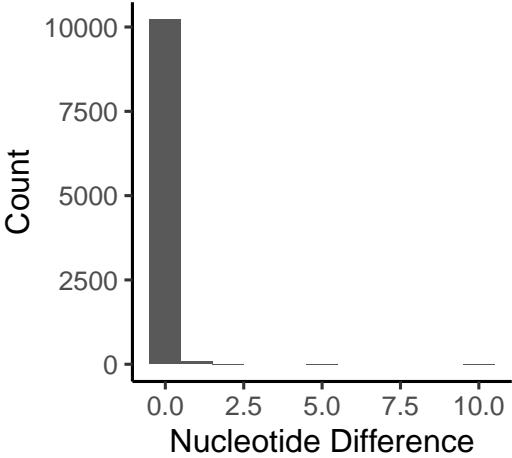
TRBV25-1*ap01

2624 sequences assigned
2567 (97.8%) exact matches, in which:
2524 unique CDR3
13 unique J



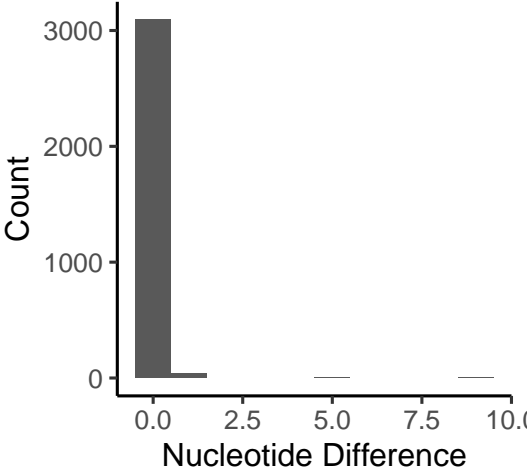
TRBV3-12*ap01

10305 sequences assigned
10224 (99.2%) exact matches, in which:
10062 unique CDR3
13 unique J



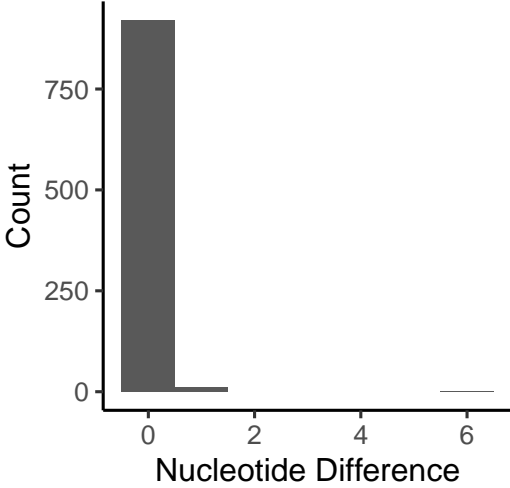
TRBV4-2*ap01

3138 sequences assigned
3093 (98.6%) exact matches, in which:
3018 unique CDR3
13 unique J



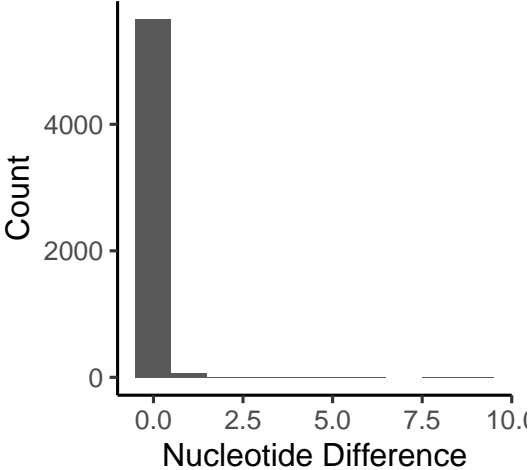
TRBV5-3*ap01

933 sequences assigned
921 (98.7%) exact matches, in which:
896 unique CDR3
13 unique J



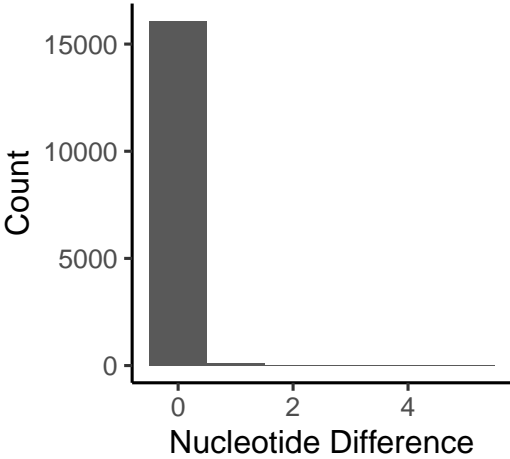
TRBV24-1*ap01

5742 sequences assigned
5664 (98.6%) exact matches, in which:
5547 unique CDR3
13 unique J



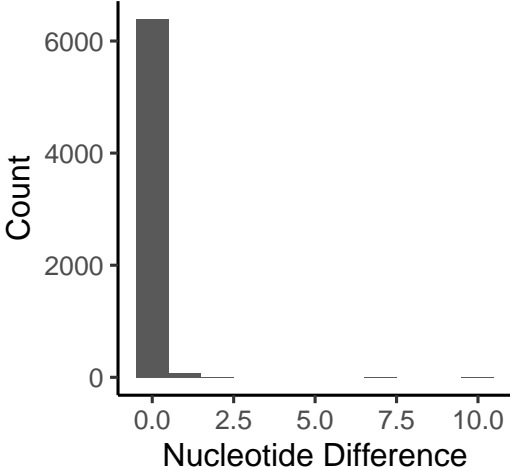
TRBV5-1*ap01

16226 sequences assigned
16087 (99.1%) exact matches, in which:
15634 unique CDR3
13 unique J



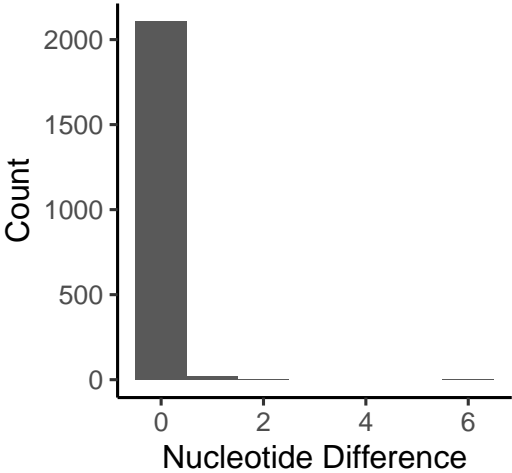
TRBV5-4*ap01

6468 sequences assigned
6392 (98.8%) exact matches, in which:
6227 unique CDR3
13 unique J



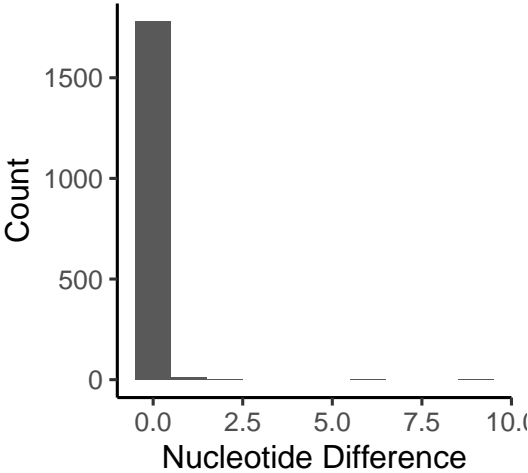
TRBV5-5*ap01

2130 sequences assigned
2107 (98.9%) exact matches, in which:
2089 unique CDR3
13 unique J



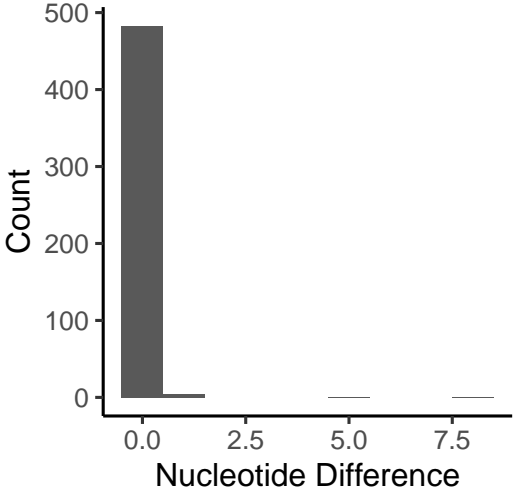
TRBV5-8*ap01

1795 sequences assigned
1780 (99.2%) exact matches, in which:
1741 unique CDR3
13 unique J



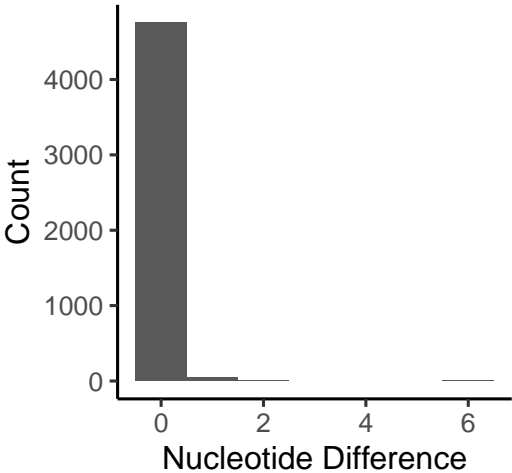
TRBV6-7*ap01

489 sequences assigned
483 (98.8%) exact matches, in which:
469 unique CDR3
13 unique J



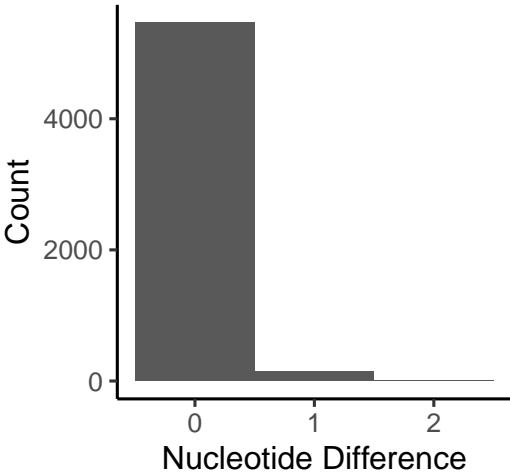
TRBV5-6*ap01

4807 sequences assigned
4753 (98.9%) exact matches, in which:
4621 unique CDR3
13 unique J



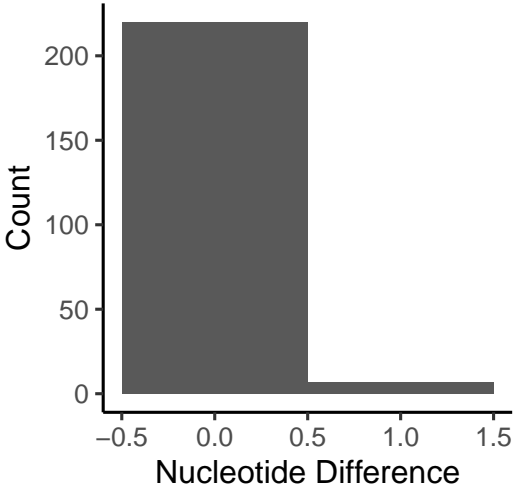
TRBV6-1*ap01

5610 sequences assigned
5465 (97.4%) exact matches, in which:
5314 unique CDR3
13 unique J



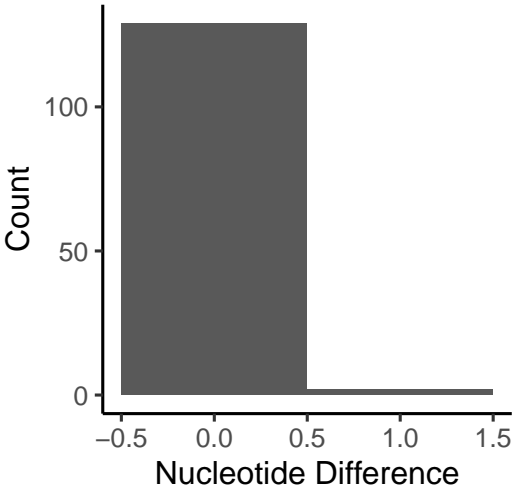
TRBV6-8*ap01

227 sequences assigned
220 (96.9%) exact matches, in which:
215 unique CDR3
13 unique J



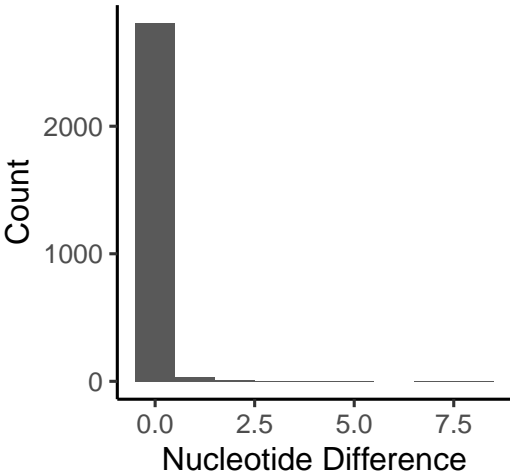
TRBV5-7*ap01

131 sequences assigned
129 (98.5%) exact matches, in which:
128 unique CDR3
12 unique J



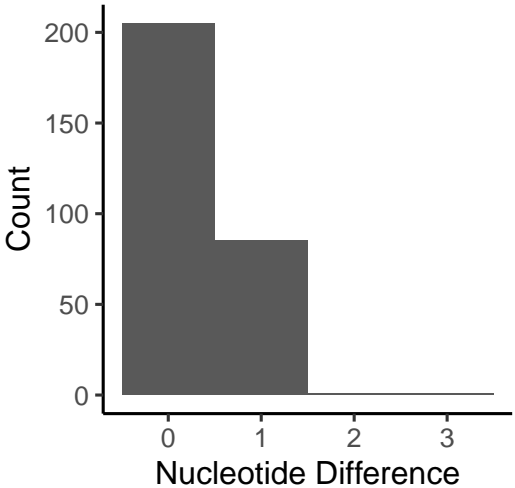
TRBV6-4*ap01

2859 sequences assigned
2809 (98.3%) exact matches, in which:
2760 unique CDR3
13 unique J



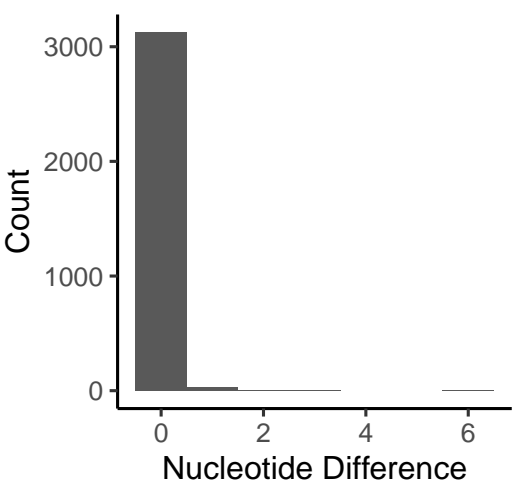
TRBV6-9*ap01

292 sequences assigned
205 (70.2%) exact matches, in which:
197 unique CDR3
13 unique J



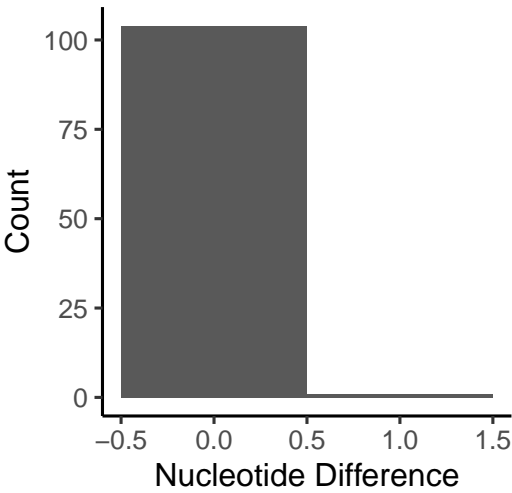
TRBV6-23*ap01

3156 sequences assigned
3125 (99%) exact matches, in which:
3038 unique CDR3
13 unique J



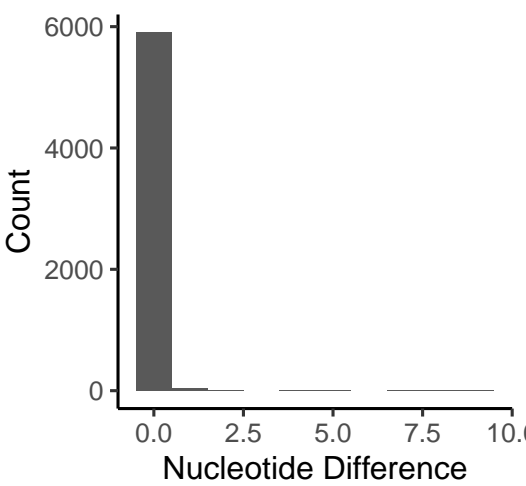
TRBV7-1*ap01_G291C_

105 sequences assigned
104 (99%) exact matches, in which:
103 unique CDR3
12 unique J



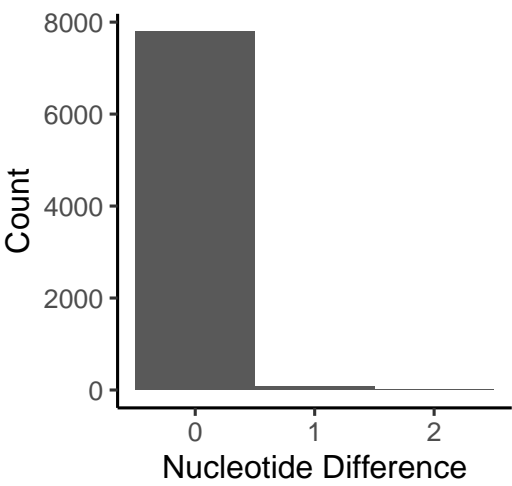
TRBV7-3*ap01

5955 sequences assigned
5905 (99.2%) exact matches, in which:
5808 unique CDR3
13 unique J



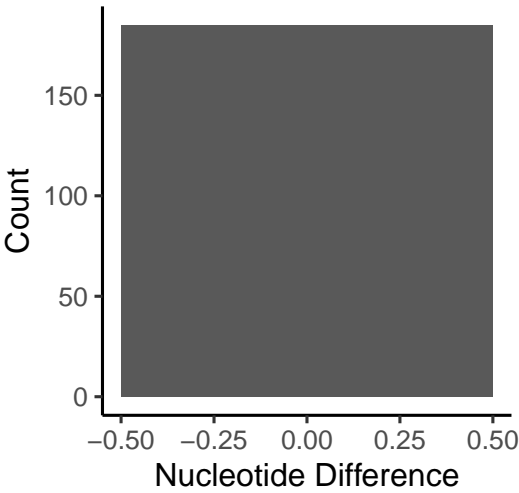
TRBV6-56*ap01

7868 sequences assigned
7791 (99%) exact matches, in which:
7575 unique CDR3
13 unique J



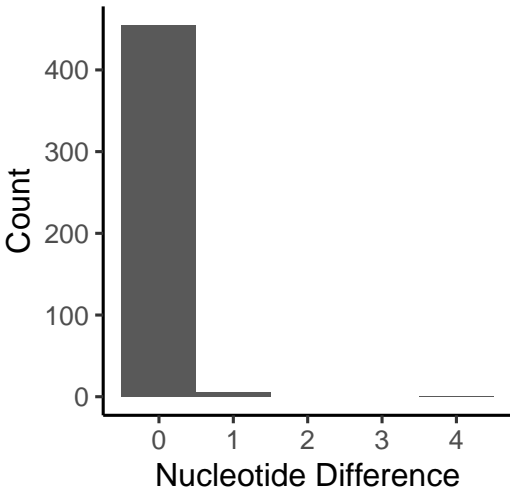
TRBV7-1*ap01_G291C_

185 sequences assigned
185 (100%) exact matches, in which:
183 unique CDR3
13 unique J



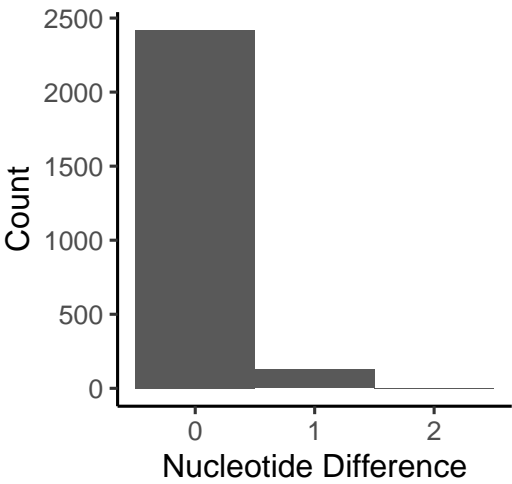
TRBV7-4*ap01

461 sequences assigned
455 (98.7%) exact matches, in which:
440 unique CDR3
13 unique J



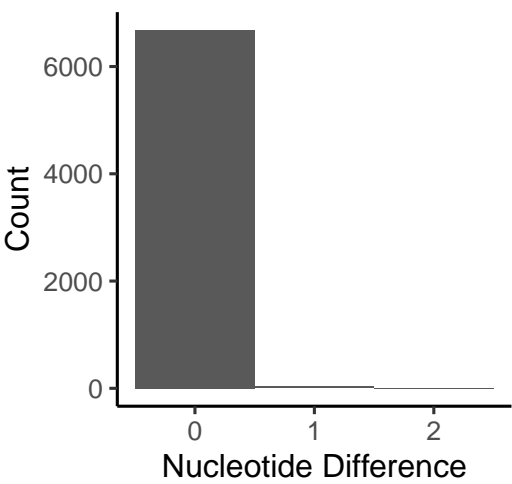
TRBV6-56*ap02

2548 sequences assigned
2419 (94.9%) exact matches, in which:
2344 unique CDR3
13 unique J



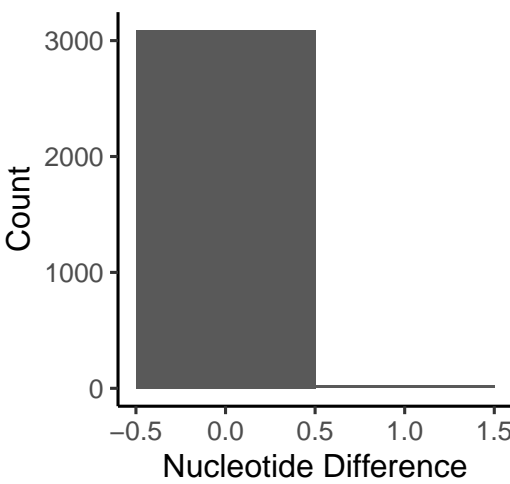
TRBV7-2*ap01

6715 sequences assigned
6680 (99.5%) exact matches, in which:
6561 unique CDR3
13 unique J



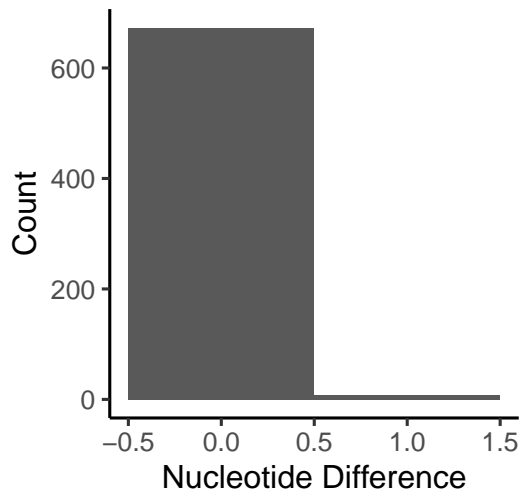
TRBV7-6*ap01

3115 sequences assigned
3091 (99.2%) exact matches, in which:
3029 unique CDR3
13 unique J



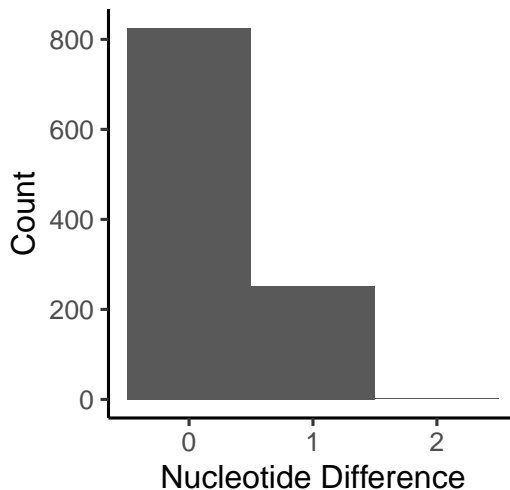
TRBV7-7*ap01

681 sequences assigned
673 (98.8%) exact matches, in which:
661 unique CDR3
13 unique J



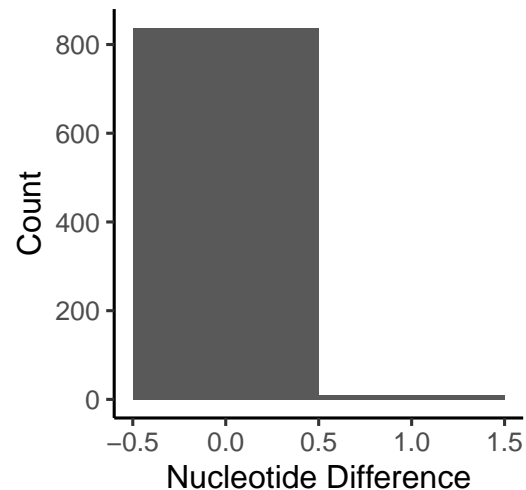
TRBV7-8*ap03

1080 sequences assigned
826 (76.5%) exact matches, in which:
806 unique CDR3
13 unique J



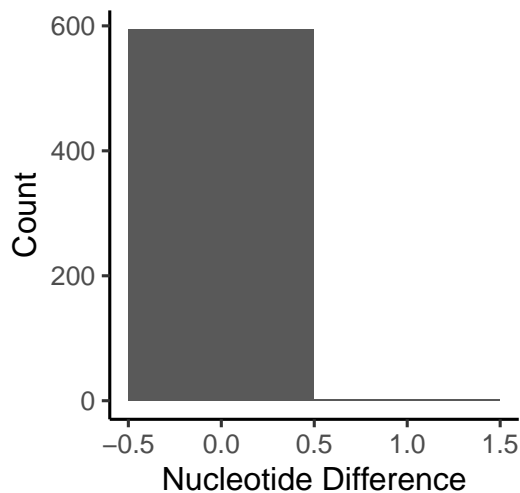
TRBV29-1*ap02

848 sequences assigned
838 (98.8%) exact matches, in which:
820 unique CDR3
13 unique J



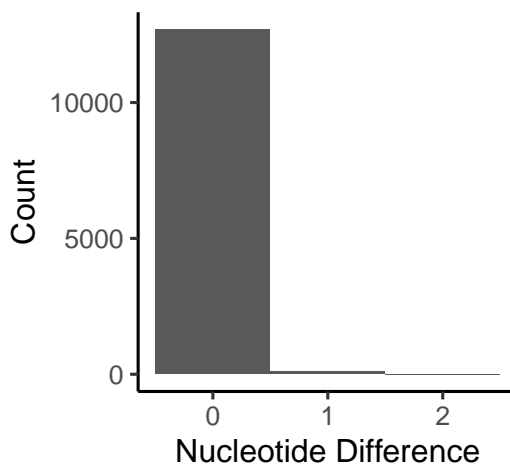
TRBV7-7*ap01_C315T

598 sequences assigned
595 (99.5%) exact matches, in which:
586 unique CDR3
13 unique J



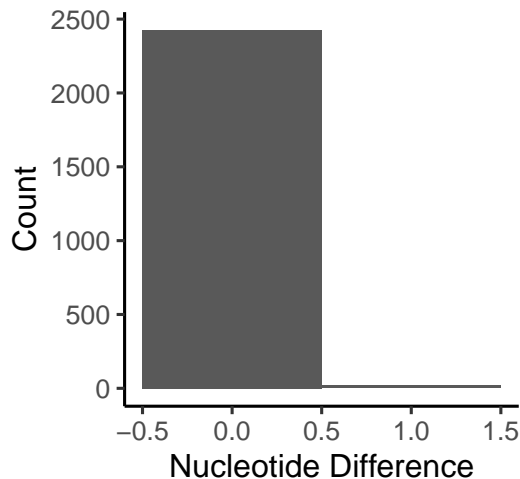
TRBV7-9*ap01

12797 sequences assigned
12689 (99.2%) exact matches, in which:
12466 unique CDR3
13 unique J



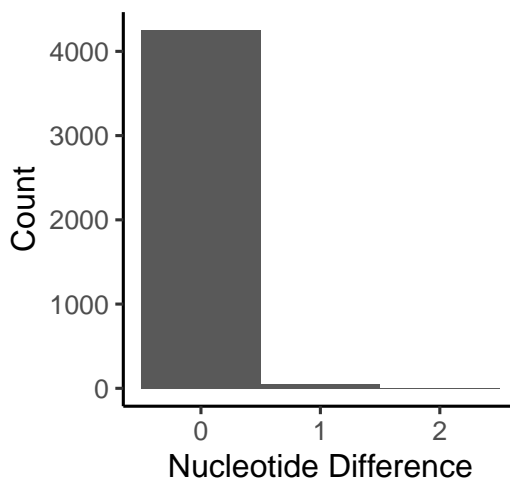
TRBV7-8*ap01

2446 sequences assigned
2426 (99.2%) exact matches, in which:
2370 unique CDR3
13 unique J

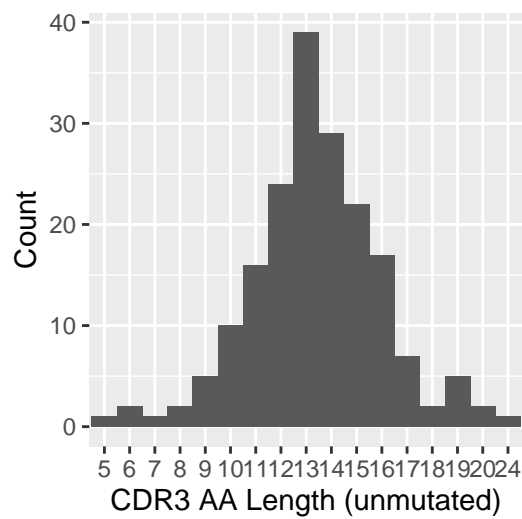


TRBV29-1*ap01

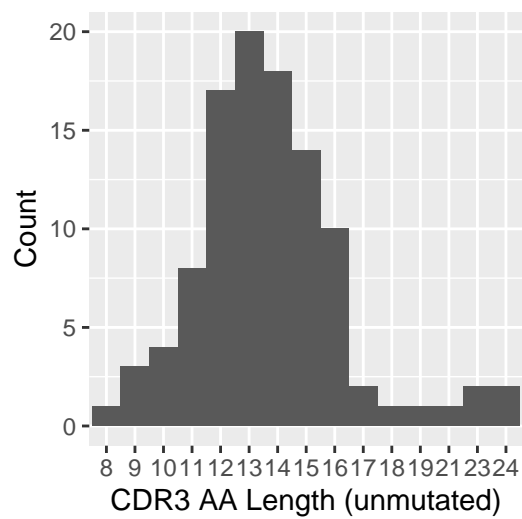
4308 sequences assigned
4253 (98.7%) exact matches, in which:
4138 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

