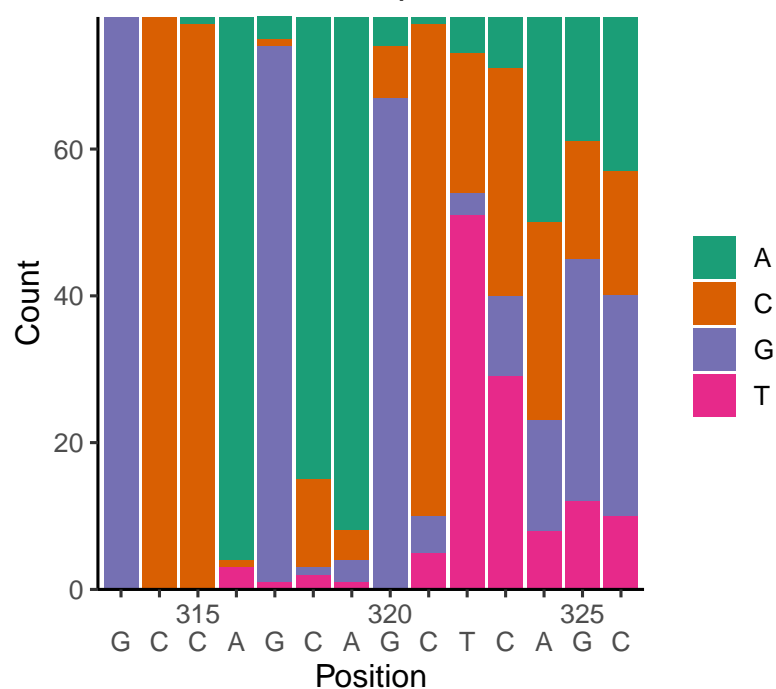
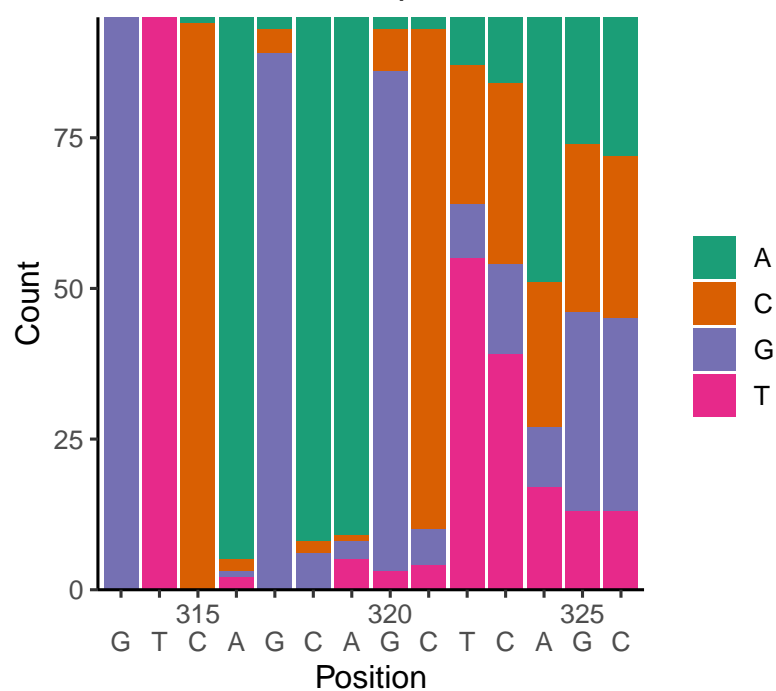


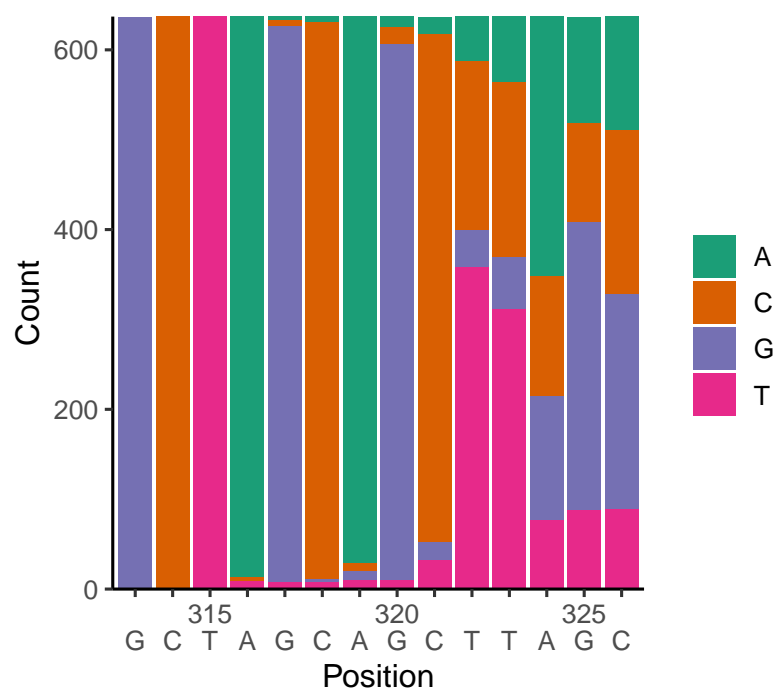
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



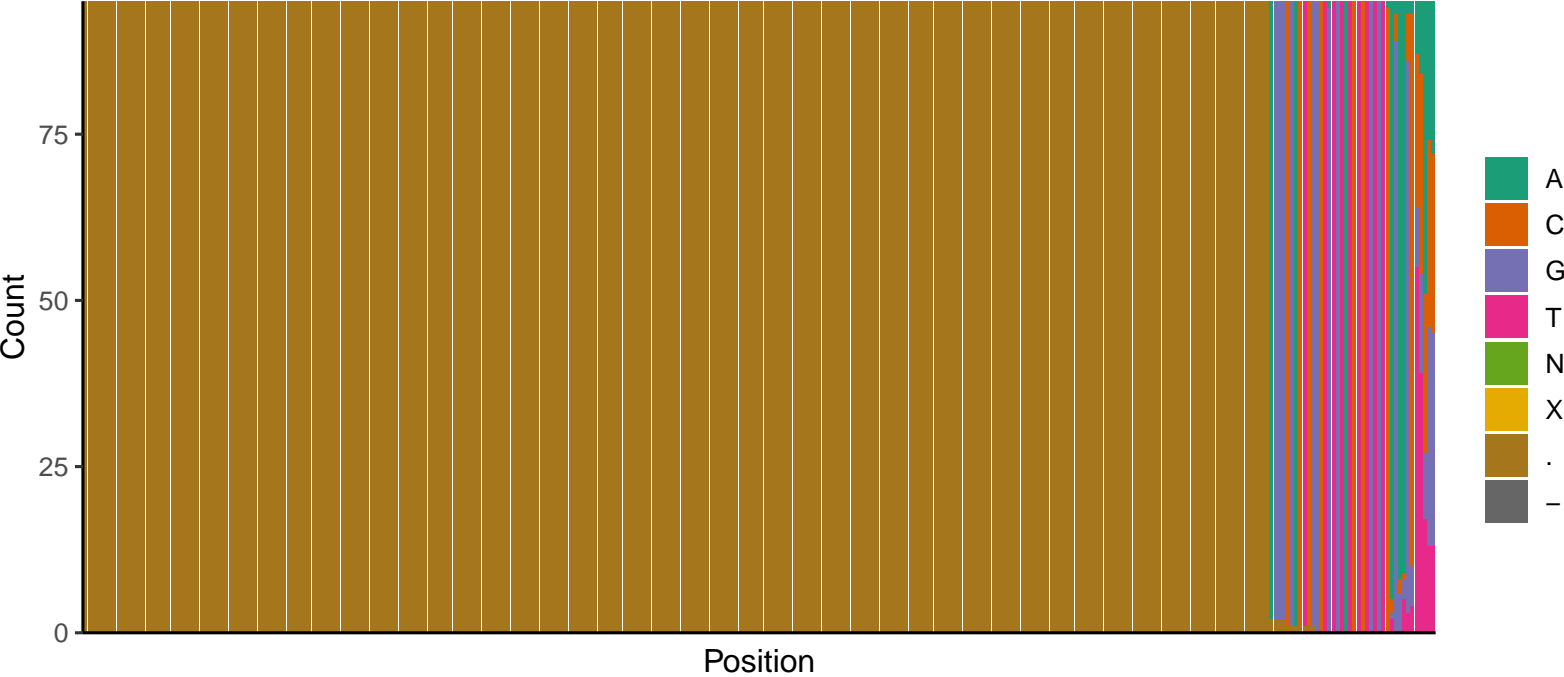
Gene TRBV7-7*ap01_C315T



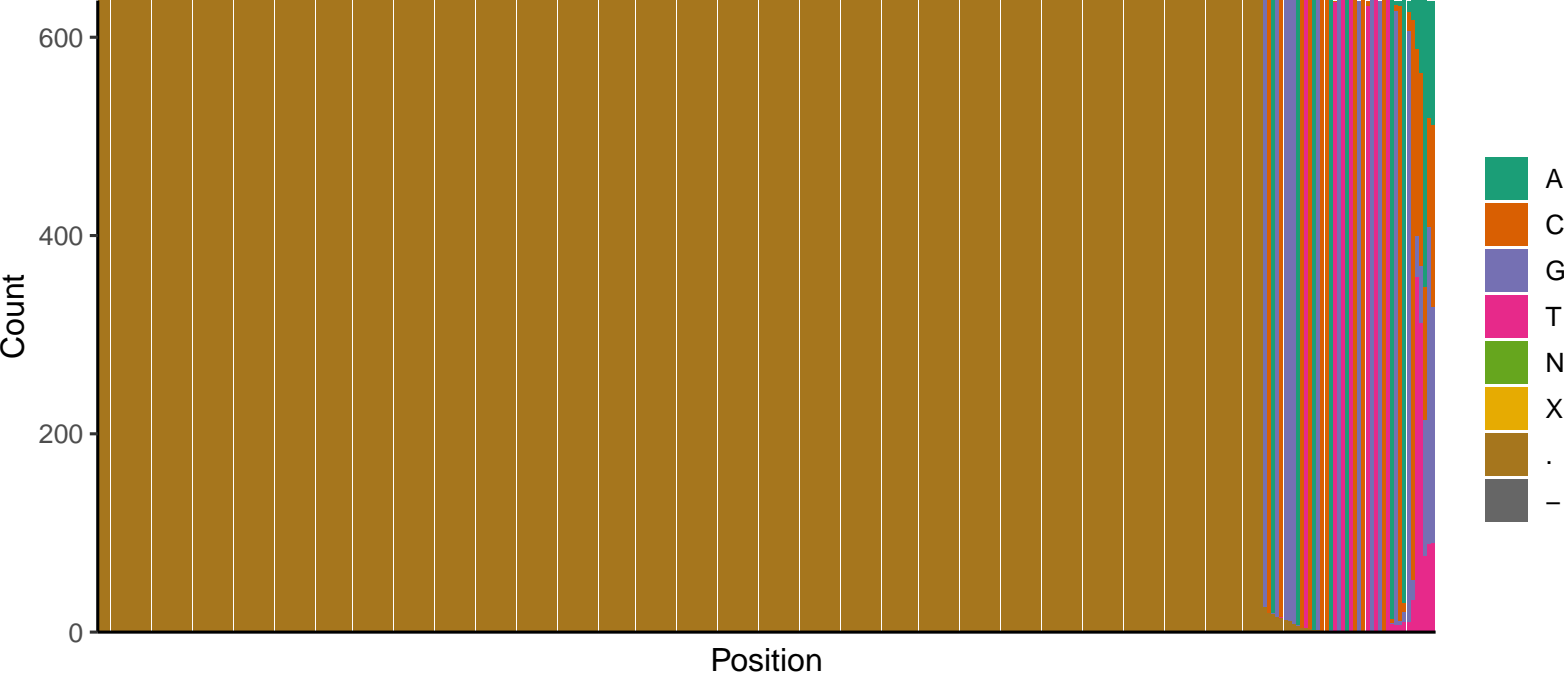
Gene TRBV7-1*ap01_G291C_T296C



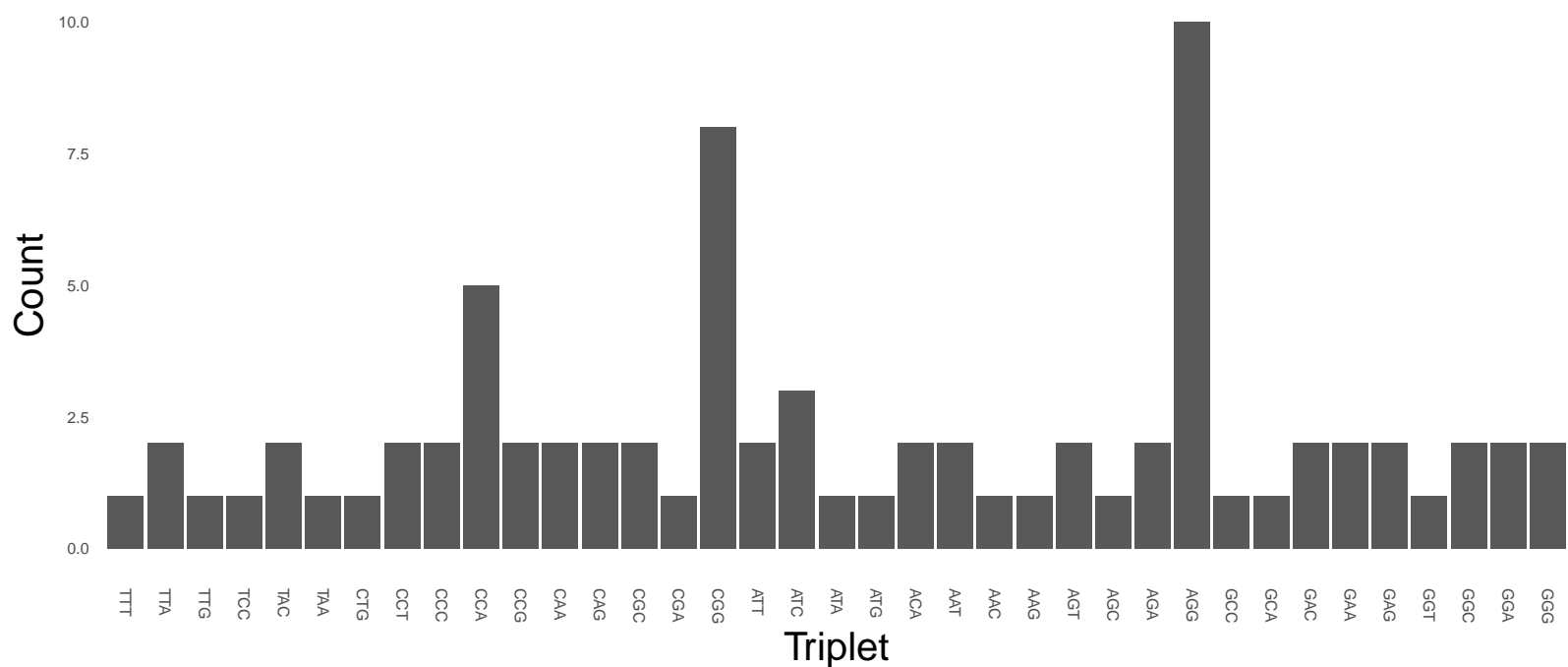
Gene TRBV7-1*ap01_G291C_T296C_C314T



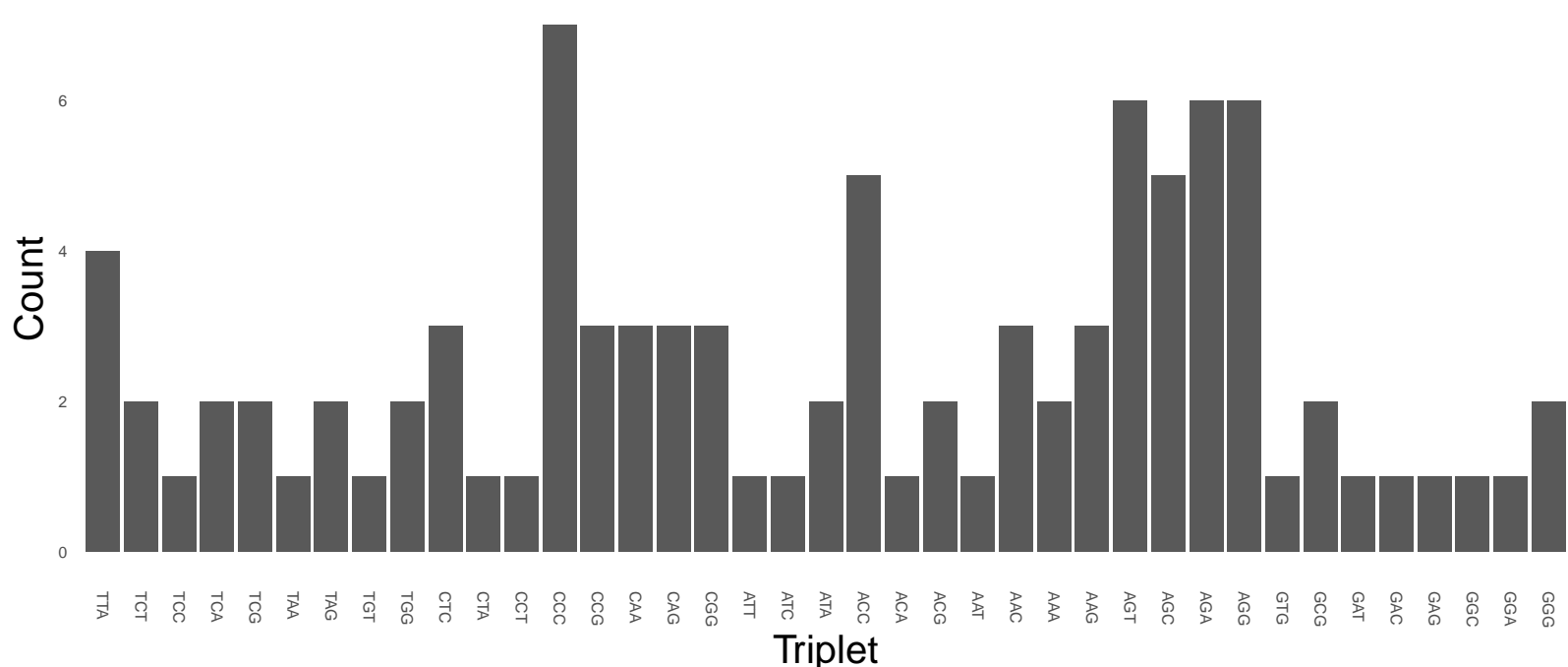
Gene TRBV7-7*ap01_C315T



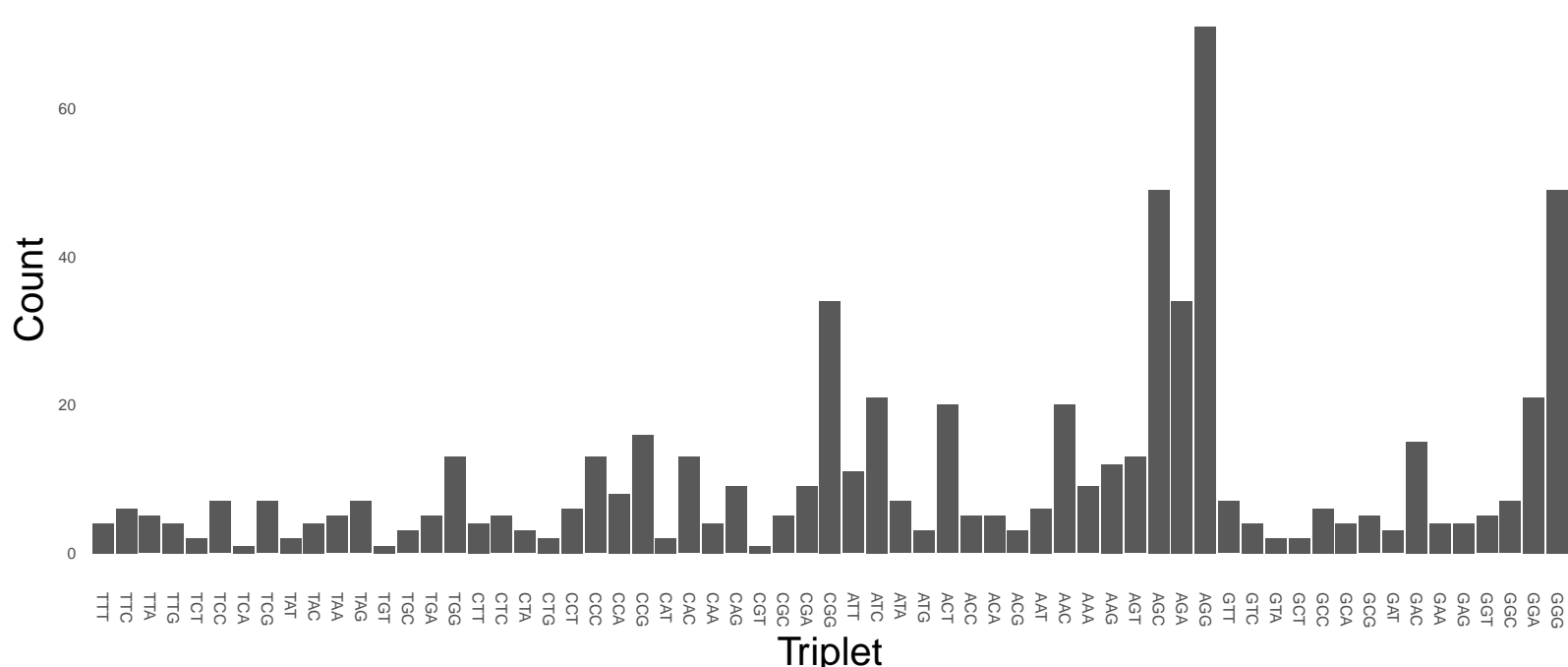
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

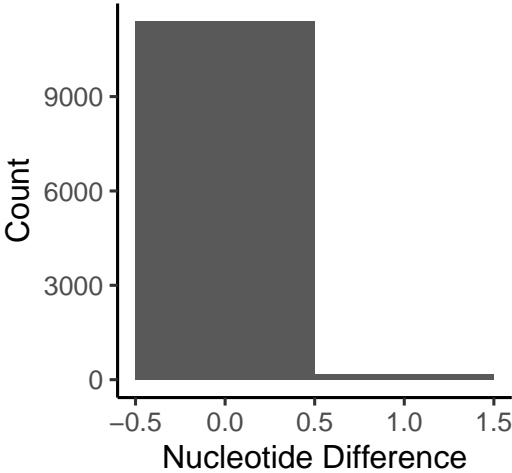


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



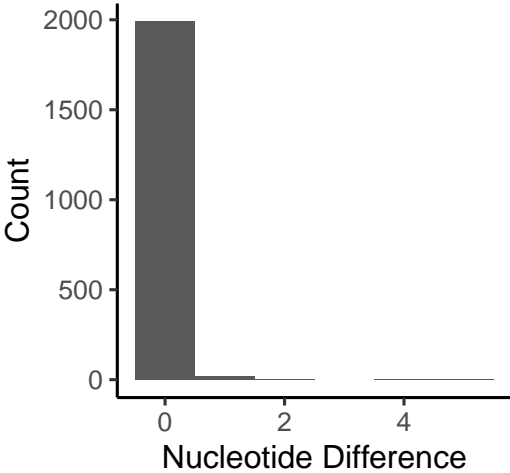
TRBV20-1*ap01

11557 sequences assigned
11390 (98.6%) exact matches, in which:
11218 unique CDR3
13 unique J



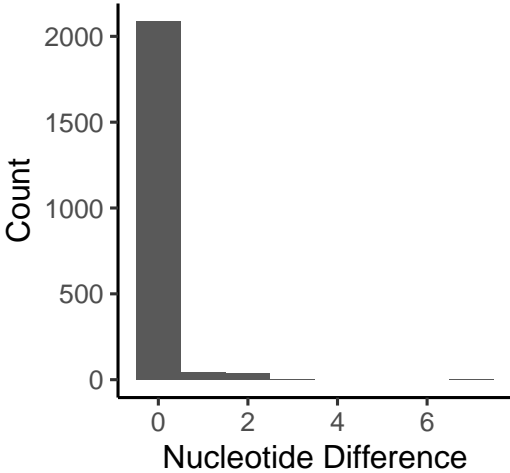
TRBV10-2*ap01

2013 sequences assigned
1991 (98.9%) exact matches, in which:
1944 unique CDR3
13 unique J



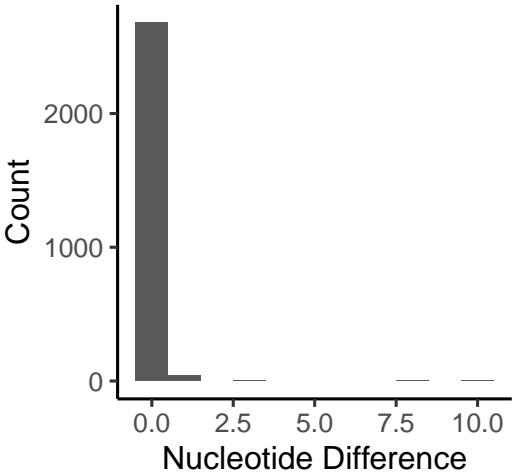
TRBV13*ap01

2169 sequences assigned
2087 (96.2%) exact matches, in which:
2020 unique CDR3
13 unique J



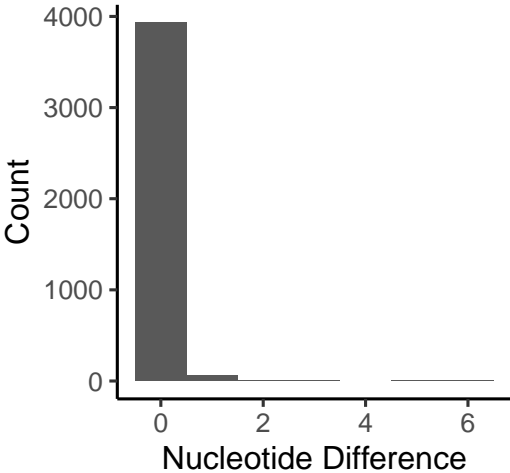
TRBV10-1*ap01

2722 sequences assigned
2679 (98.4%) exact matches, in which:
2638 unique CDR3
13 unique J



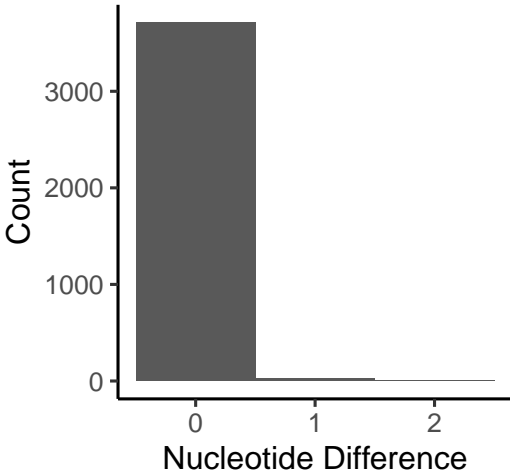
TRBV10-3*ap01

3997 sequences assigned
3931 (98.3%) exact matches, in which:
3855 unique CDR3
13 unique J



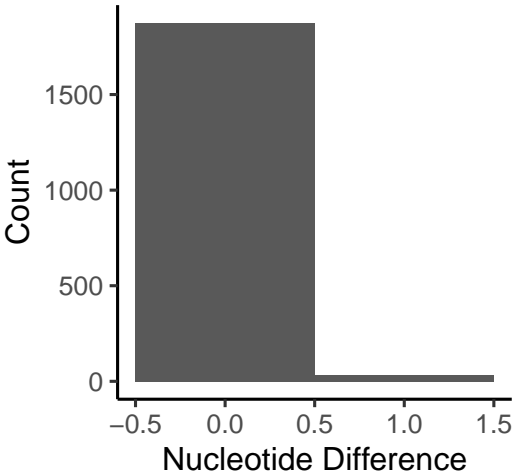
TRBV14*ap01

3737 sequences assigned
3710 (99.3%) exact matches, in which:
3666 unique CDR3
13 unique J



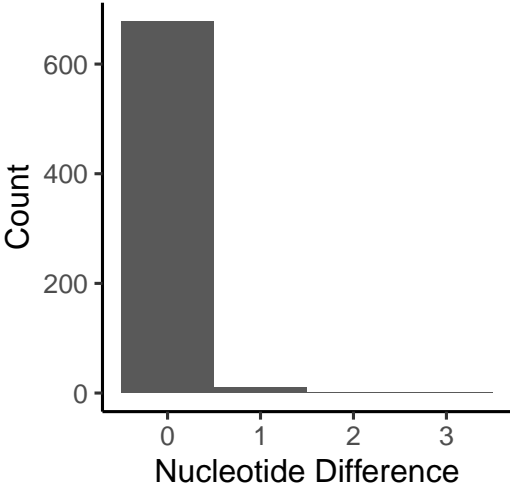
TRBV20-1*ap02

1906 sequences assigned
1874 (98.3%) exact matches, in which:
1836 unique CDR3
13 unique J



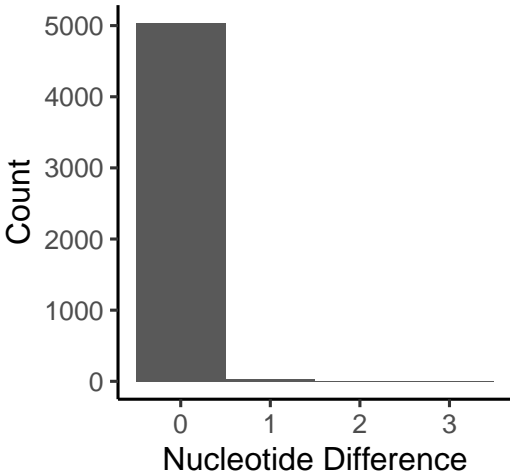
TRBV1*ap01

690 sequences assigned
678 (98.3%) exact matches, in which:
652 unique CDR3
13 unique J



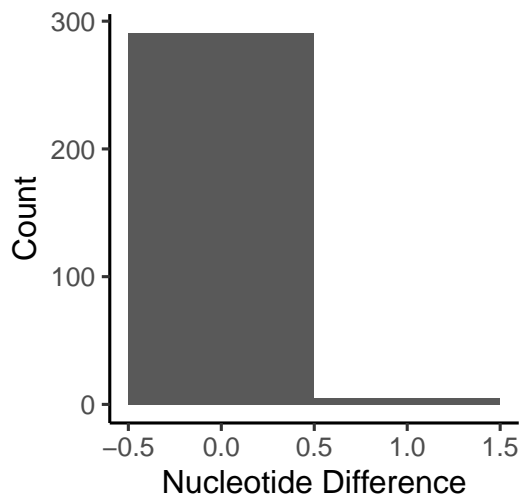
TRBV15*ap02

5072 sequences assigned
5036 (99.3%) exact matches, in which:
4929 unique CDR3
13 unique J



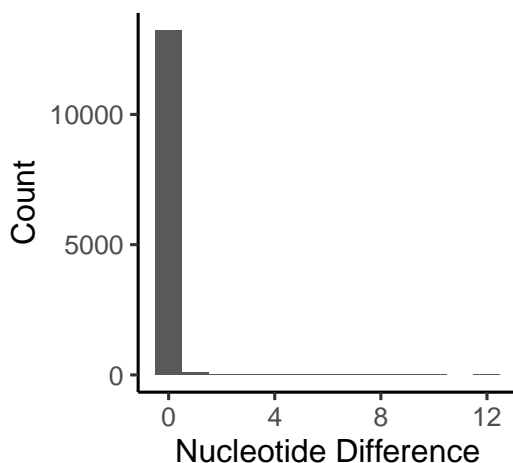
TRBV16*ap01

296 sequences assigned
291 (98.3%) exact matches, in which:
283 unique CDR3
13 unique J



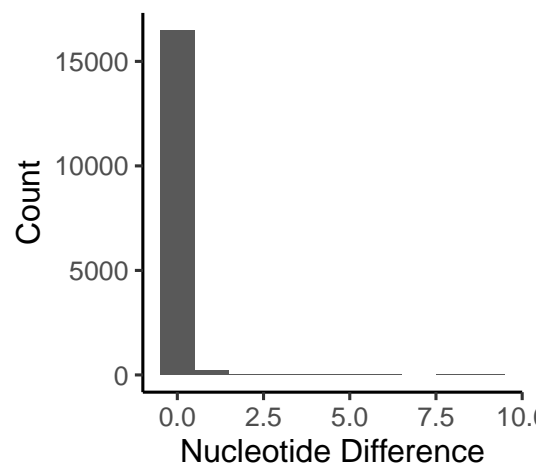
TRBV19*ap01

13354 sequences assigned
13235 (99.1%) exact matches, in which:
13065 unique CDR3
13 unique J



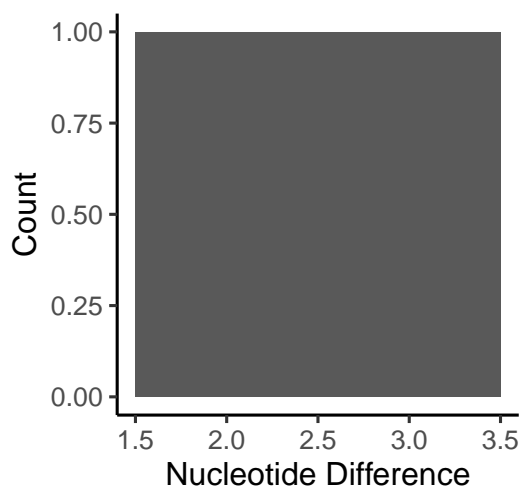
TRBV27*ap01

16714 sequences assigned
16494 (98.7%) exact matches, in which:
16178 unique CDR3
13 unique J



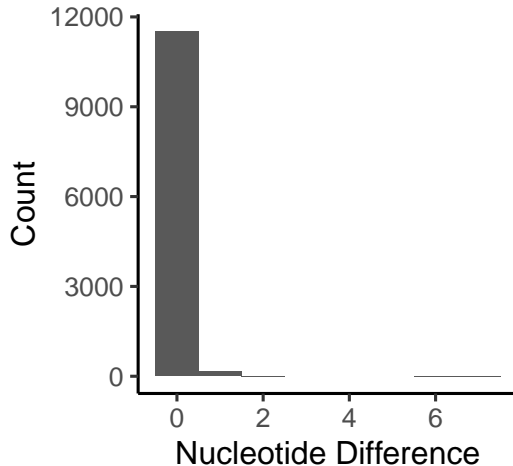
TRBV17*ap01

2 sequences assigned
No exact matches.



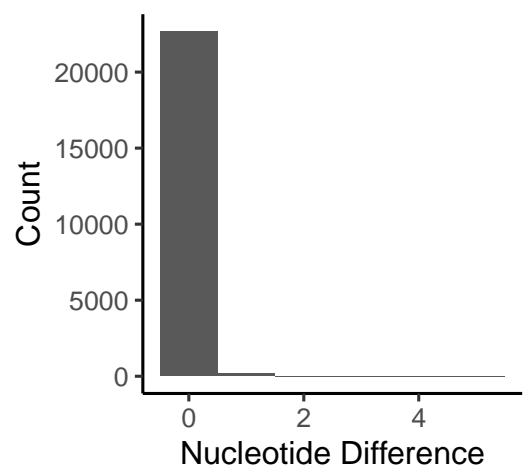
TRBV2*ap01

11676 sequences assigned
11514 (98.6%) exact matches, in which:
11281 unique CDR3
13 unique J



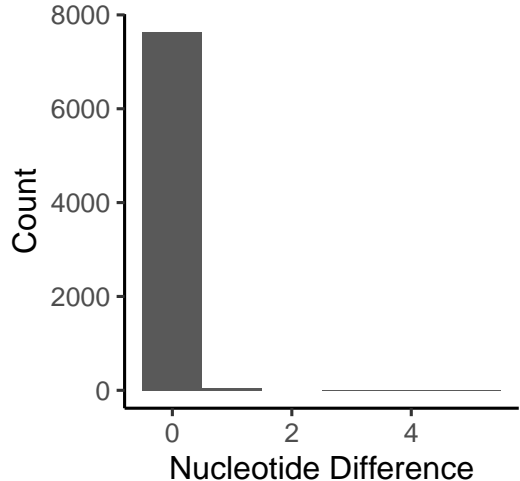
TRBV28*ap01

22871 sequences assigned
22671 (99.1%) exact matches, in which:
22313 unique CDR3
13 unique J



TRBV18*ap01

7691 sequences assigned
7634 (99.3%) exact matches, in which:
7551 unique CDR3
13 unique J



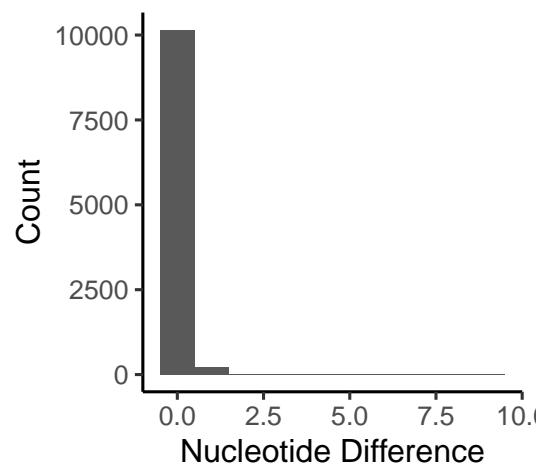
TRBV26*ap01

1 sequences assigned
No exact matches.



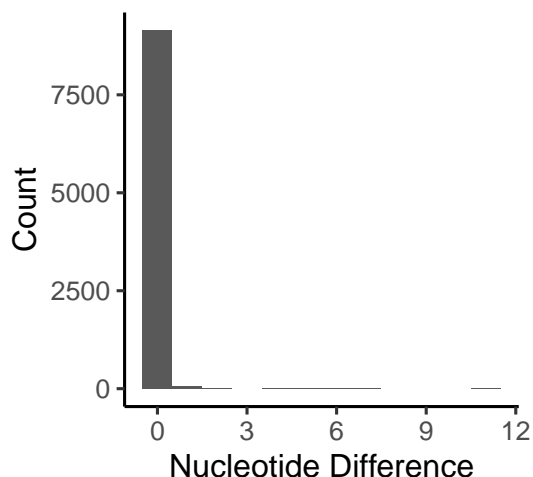
TRBV30*ap01

10395 sequences assigned
10155 (97.7%) exact matches, in which:
9780 unique CDR3
13 unique J



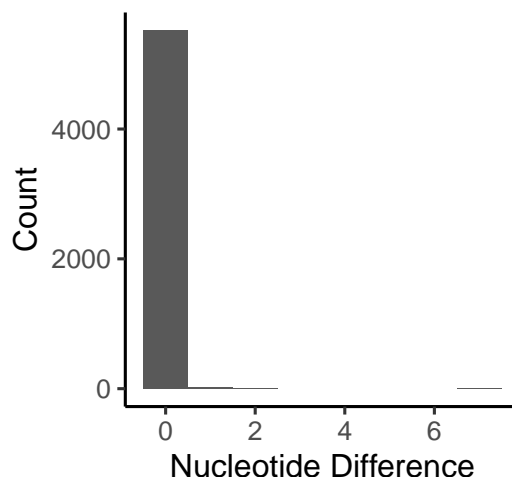
TRBV9*ap01

9230 sequences assigned
9144 (99.1%) exact matches, in which:
9018 unique CDR3
13 unique J



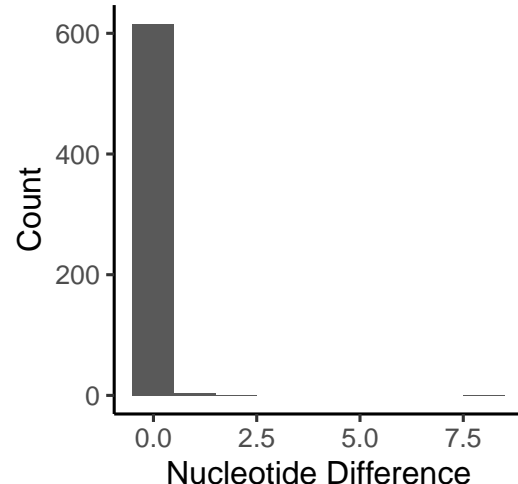
TRBV11-2*ap01

5549 sequences assigned
5519 (99.5%) exact matches, in which:
5456 unique CDR3
13 unique J



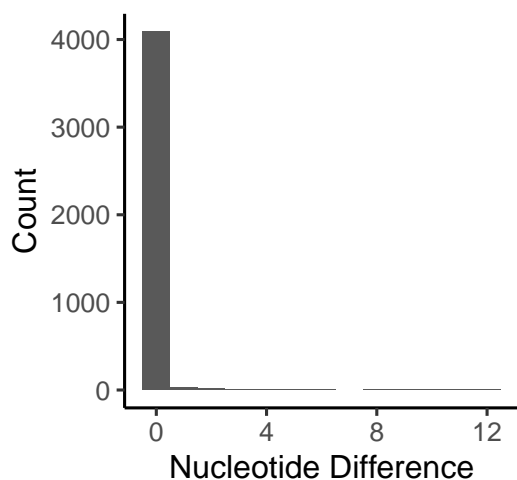
TRBV12-2*ap01

622 sequences assigned
616 (99%) exact matches, in which:
609 unique CDR3
12 unique J



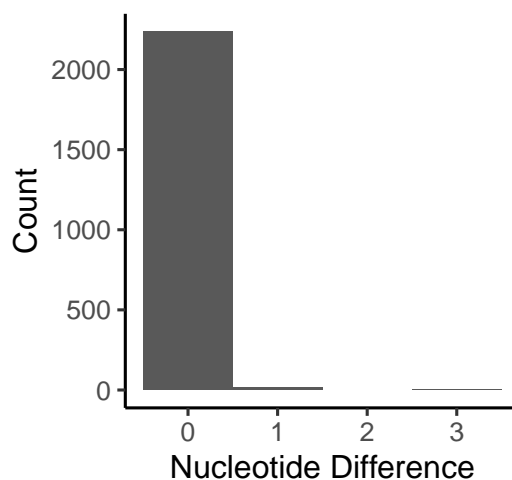
TRBV21-1*ap01

4160 sequences assigned
4089 (98.3%) exact matches, in which:
4049 unique CDR3
13 unique J



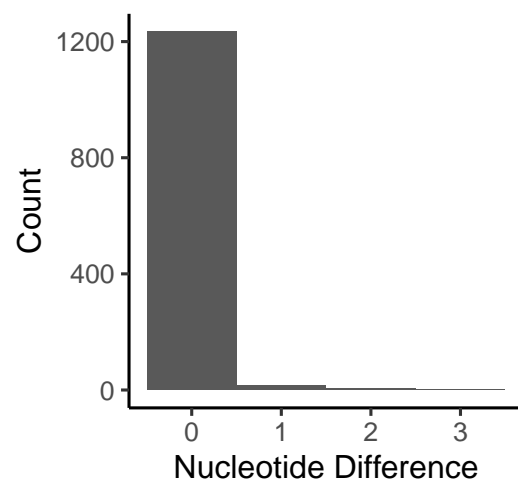
TRBV11-3*ap01

2255 sequences assigned
2236 (99.2%) exact matches, in which:
2219 unique CDR3
13 unique J



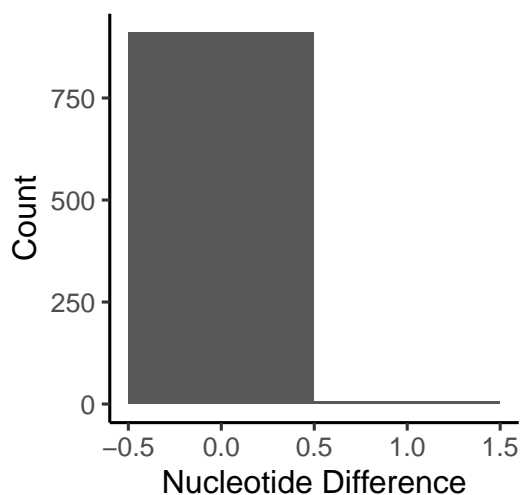
TRBV12-5*ap01

1255 sequences assigned
1234 (98.3%) exact matches, in which:
1220 unique CDR3
13 unique J



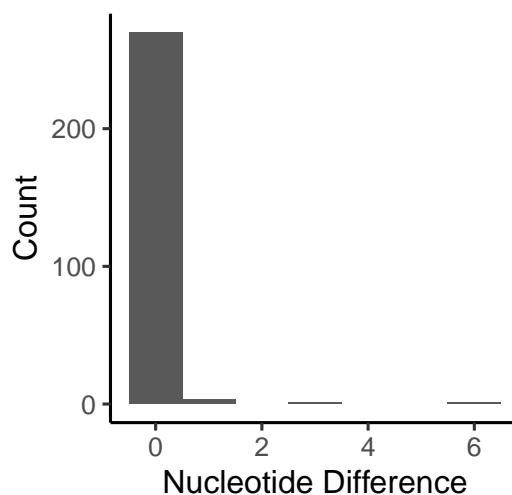
TRBV11-1*ap01

918 sequences assigned
911 (99.2%) exact matches, in which:
903 unique CDR3
13 unique J



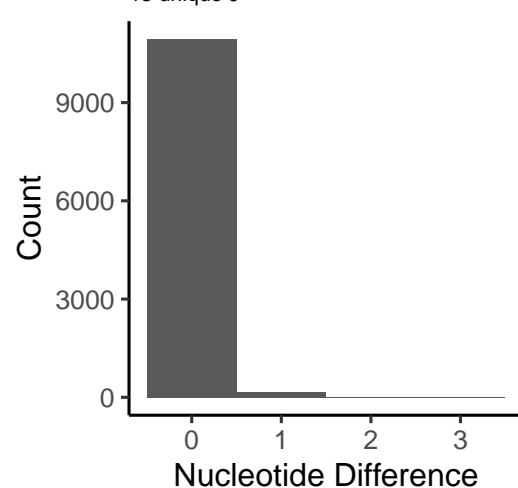
TRBV12-1*ap01

275 sequences assigned
270 (98.2%) exact matches, in which:
269 unique CDR3
13 unique J



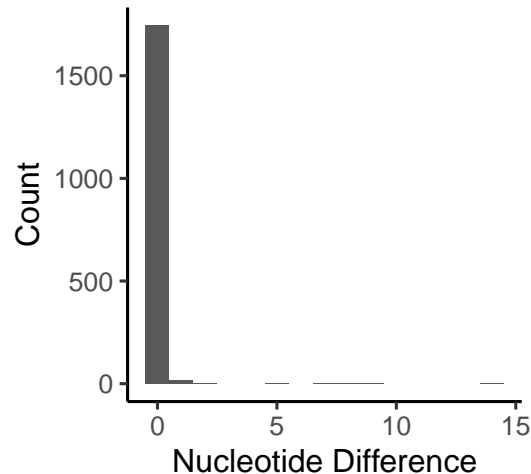
TRBV12-34*ap01

11108 sequences assigned
10941 (98.5%) exact matches, in which:
10719 unique CDR3
13 unique J



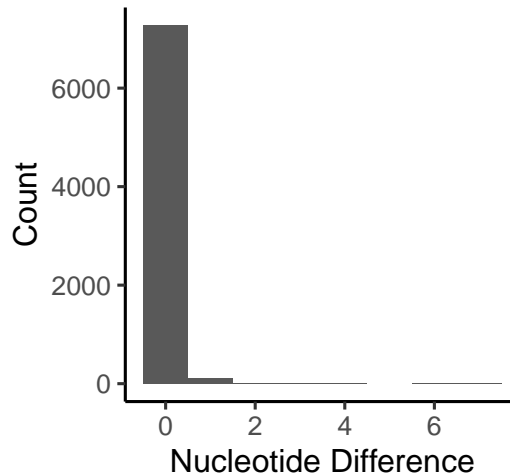
TRBV23-1*ap01

1771 sequences assigned
1745 (98.5%) exact matches, in which:
1728 unique CDR3
13 unique J



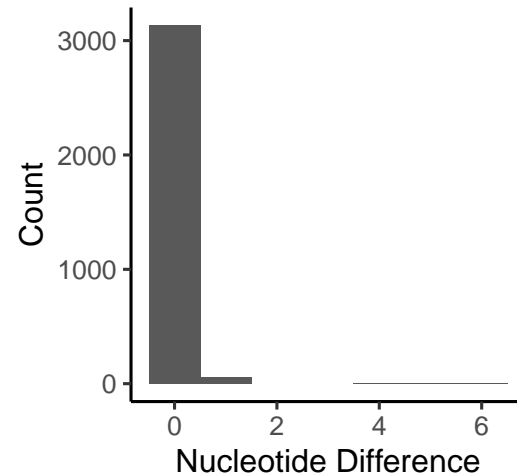
TRBV24-1*ap01

7400 sequences assigned
7273 (98.3%) exact matches, in which:
7147 unique CDR3
13 unique J



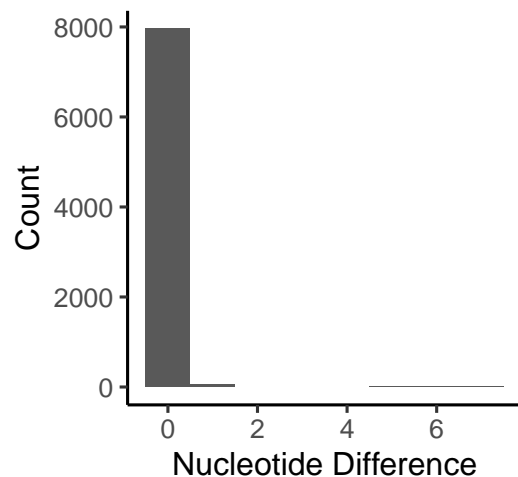
TRBV25-1*ap01

3194 sequences assigned
3133 (98.1%) exact matches, in which:
3013 unique CDR3
13 unique J



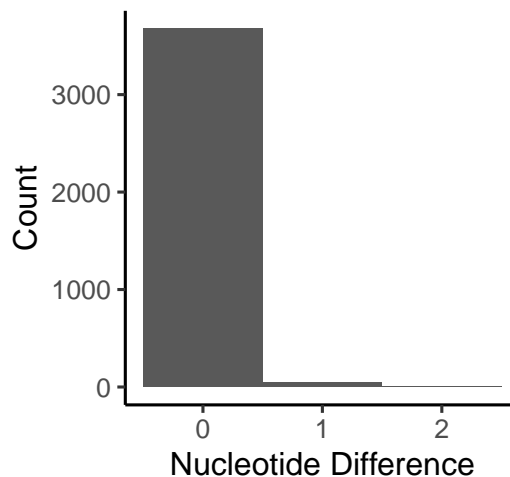
TRBV3-12*ap01

8029 sequences assigned
7960 (99.1%) exact matches, in which:
7885 unique CDR3
13 unique J



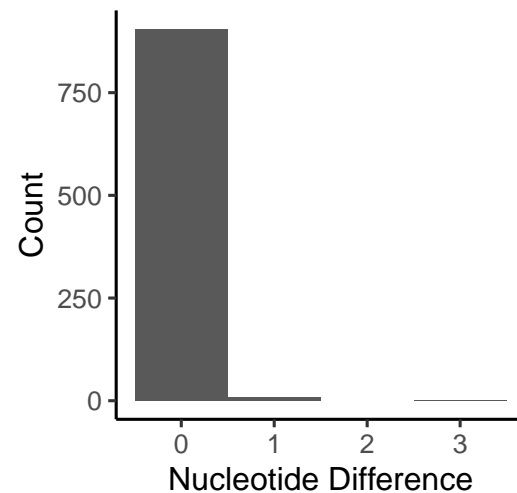
TRBV4-2*ap01

3723 sequences assigned
3676 (98.7%) exact matches, in which:
3563 unique CDR3
13 unique J



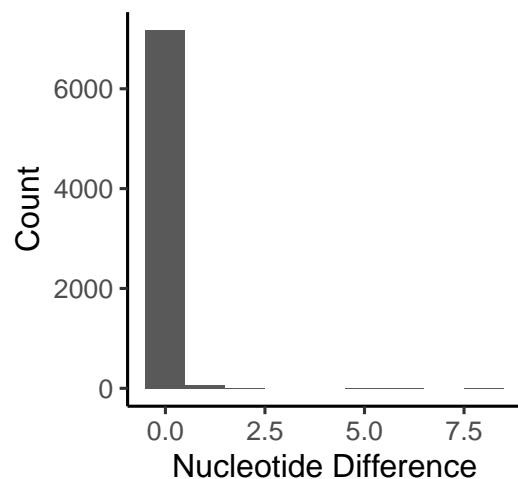
TRBV5-3*ap01

915 sequences assigned
905 (98.9%) exact matches, in which:
889 unique CDR3
13 unique J



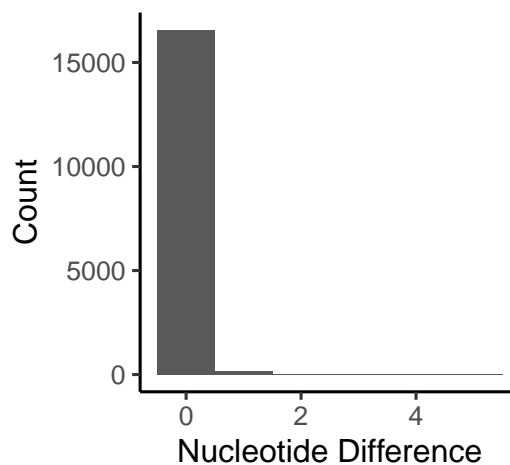
TRBV4-1*ap01

7246 sequences assigned
7176 (99%) exact matches, in which:
6985 unique CDR3
13 unique J



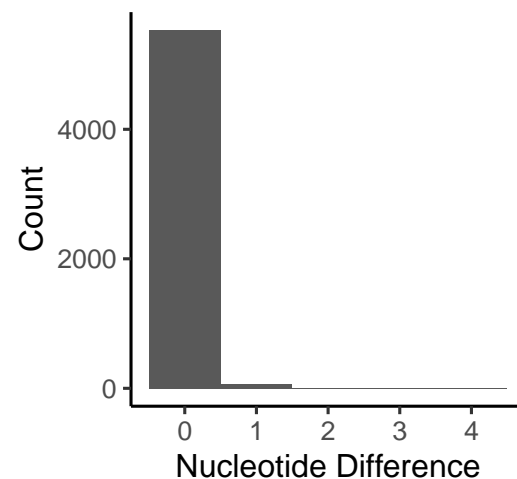
TRBV5-1*ap01

16749 sequences assigned
16572 (98.9%) exact matches, in which:
16129 unique CDR3
13 unique J



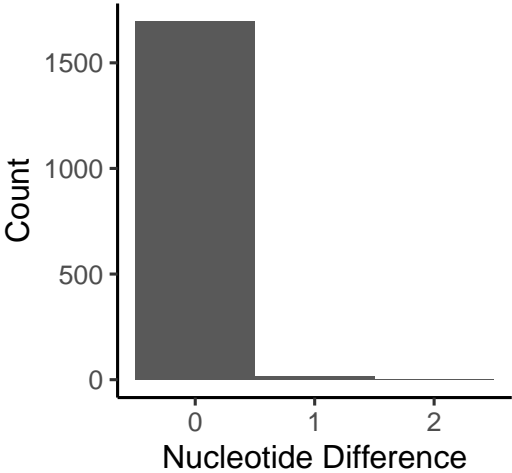
TRBV5-4*ap01

5603 sequences assigned
5533 (98.8%) exact matches, in which:
5380 unique CDR3
13 unique J



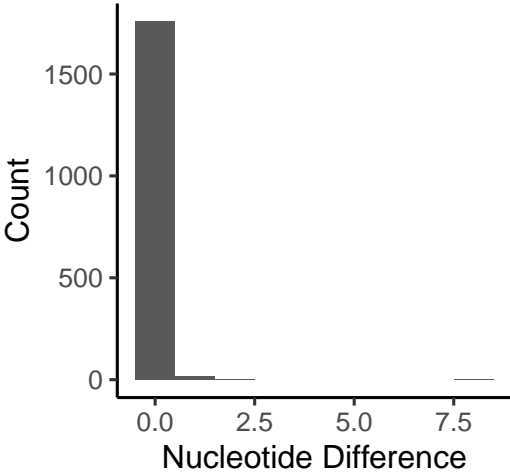
TRBV5-5*ap01

1713 sequences assigned
1696 (99%) exact matches, in which:
1688 unique CDR3
13 unique J



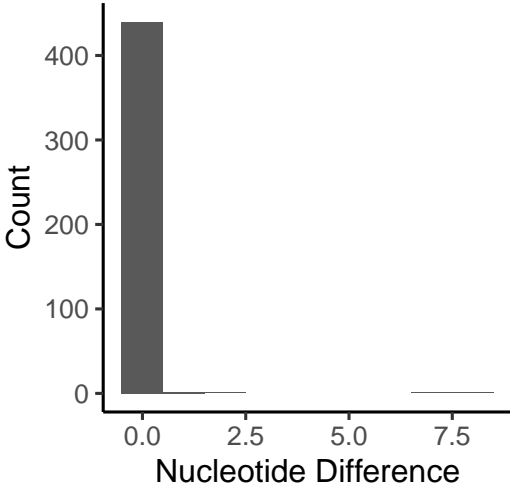
TRBV5-8*ap01

1781 sequences assigned
1758 (98.7%) exact matches, in which:
1726 unique CDR3
13 unique J



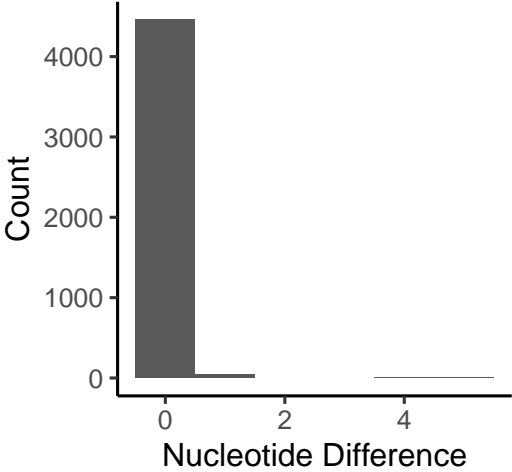
TRBV6-7*ap01

445 sequences assigned
440 (98.9%) exact matches, in which:
427 unique CDR3
13 unique J



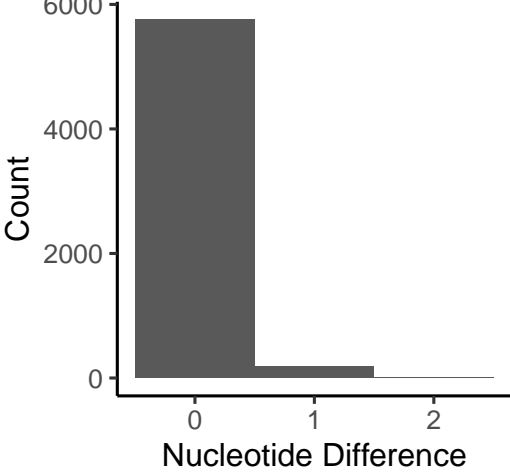
TRBV5-6*ap01

4505 sequences assigned
4459 (99%) exact matches, in which:
4272 unique CDR3
13 unique J



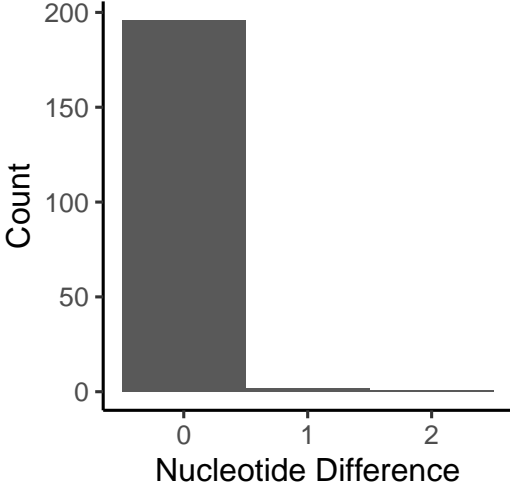
TRBV6-1*ap01

5934 sequences assigned
5754 (97%) exact matches, in which:
5603 unique CDR3
13 unique J



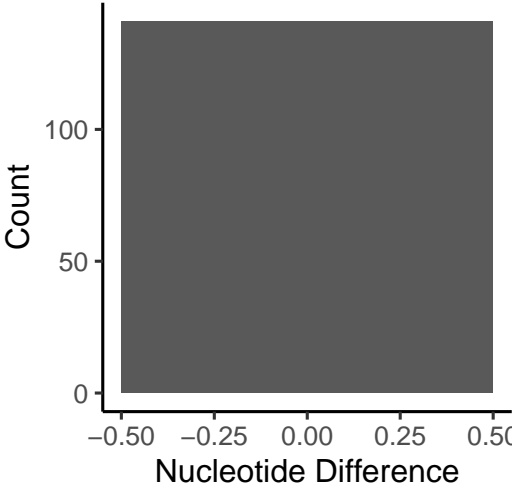
TRBV6-8*ap01

199 sequences assigned
196 (98.5%) exact matches, in which:
188 unique CDR3
13 unique J



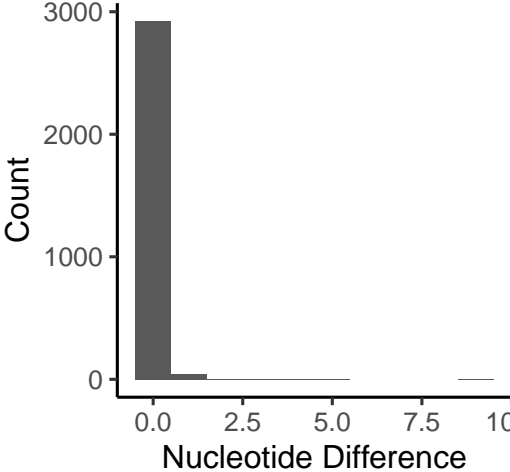
TRBV5-7*ap01

141 sequences assigned
141 (100%) exact matches, in which:
136 unique CDR3
13 unique J



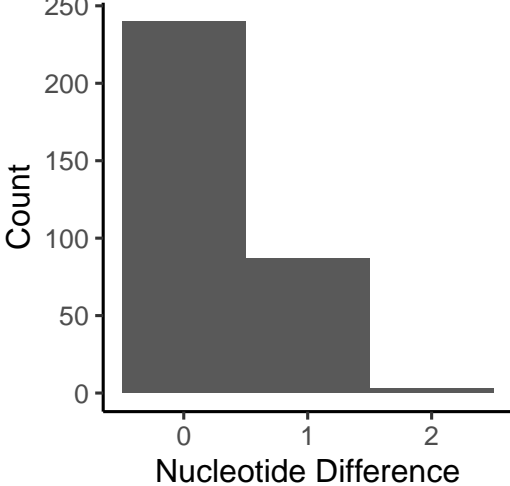
TRBV6-4*ap01

2974 sequences assigned
2924 (98.3%) exact matches, in which:
2881 unique CDR3
13 unique J



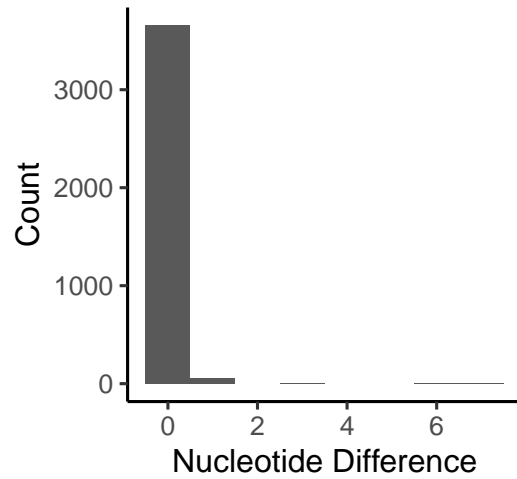
TRBV6-9*ap01

330 sequences assigned
240 (72.7%) exact matches, in which:
236 unique CDR3
13 unique J



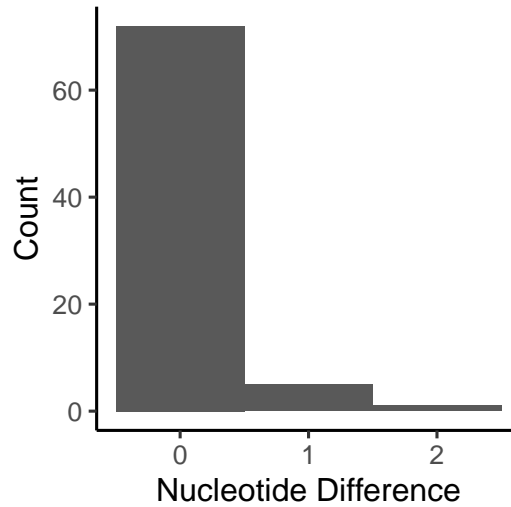
TRBV6-23*ap01

3719 sequences assigned
3656 (98.3%) exact matches, in which:
3524 unique CDR3
13 unique J



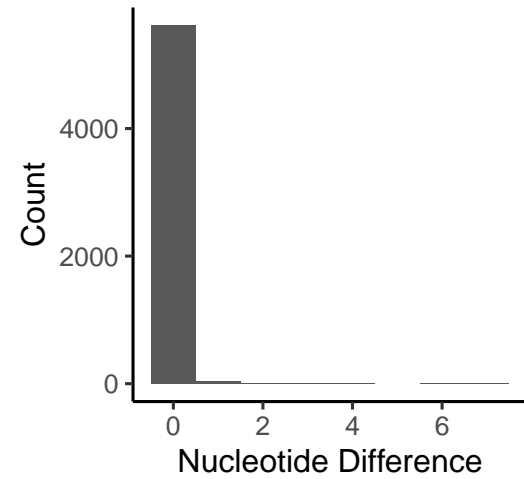
TRBV7-1*ap01_G291C_T

78 sequences assigned
72 (92.3%) exact matches, in which:
71 unique CDR3
12 unique J



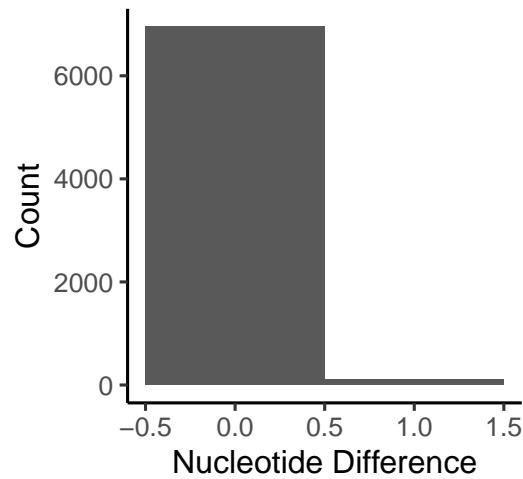
TRBV7-3*ap01

5662 sequences assigned
5617 (99.2%) exact matches, in which:
5555 unique CDR3
13 unique J



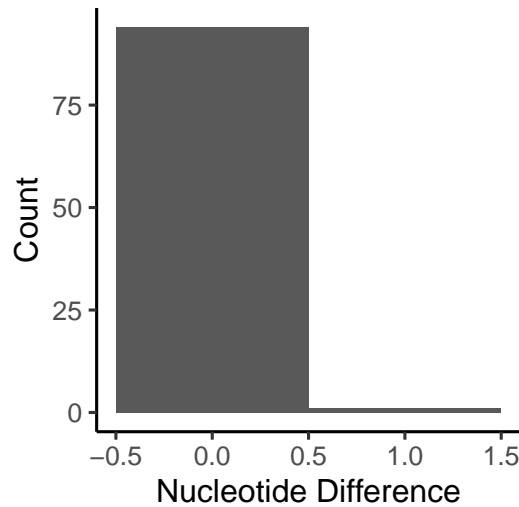
TRBV6-56*ap01

7066 sequences assigned
6952 (98.4%) exact matches, in which:
6731 unique CDR3
13 unique J



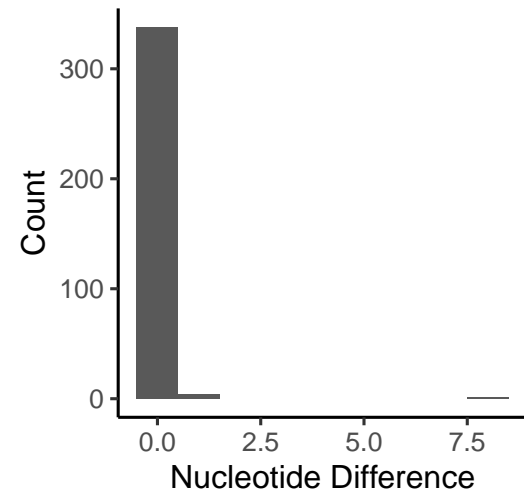
TRBV7-1*ap01_G291C_T

95 sequences assigned
94 (98.9%) exact matches, in which:
94 unique CDR3
12 unique J



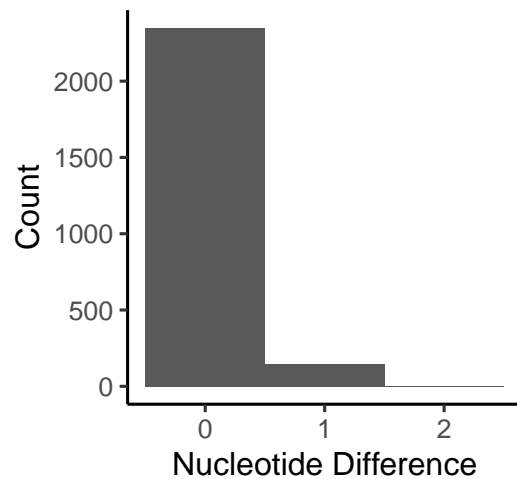
TRBV7-4*ap01

343 sequences assigned
338 (98.5%) exact matches, in which:
330 unique CDR3
13 unique J



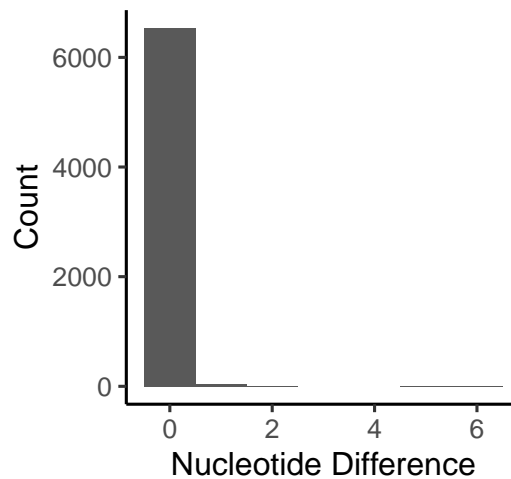
TRBV6-56*ap02

2496 sequences assigned
2348 (94.1%) exact matches, in which:
2278 unique CDR3
13 unique J



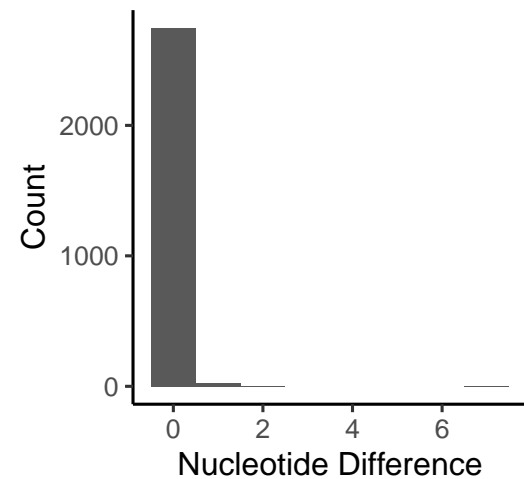
TRBV7-2*ap01

6577 sequences assigned
6535 (99.4%) exact matches, in which:
6445 unique CDR3
13 unique J



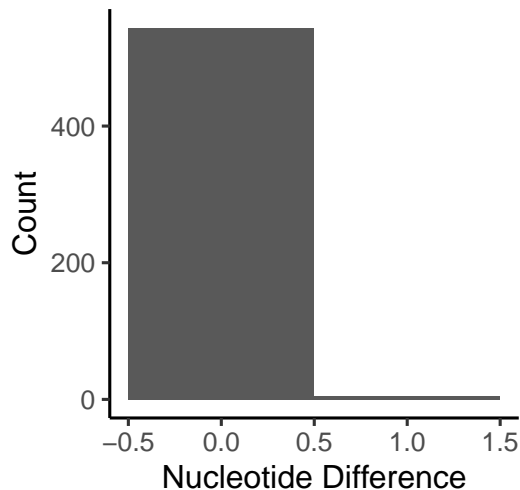
TRBV7-6*ap01

2771 sequences assigned
2746 (99.1%) exact matches, in which:
2695 unique CDR3
13 unique J



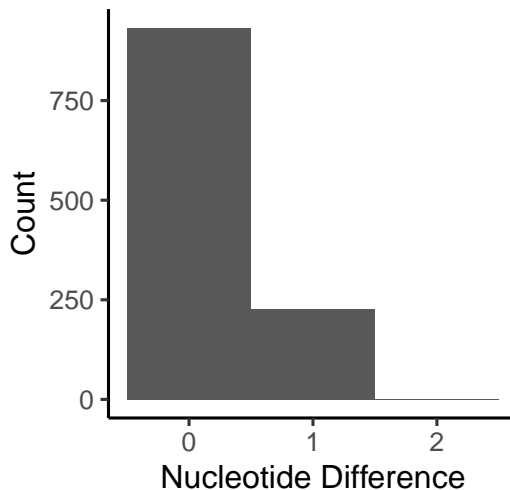
TRBV7-7*ap01

549 sequences assigned
544 (99.1%) exact matches, in which:
532 unique CDR3
13 unique J



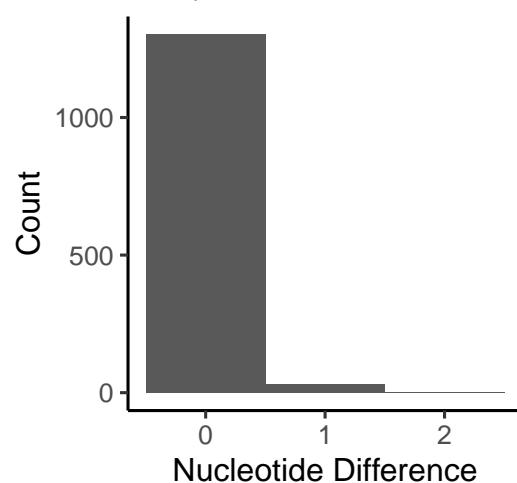
TRBV7-8*ap03

1161 sequences assigned
933 (80.4%) exact matches, in which:
920 unique CDR3
13 unique J



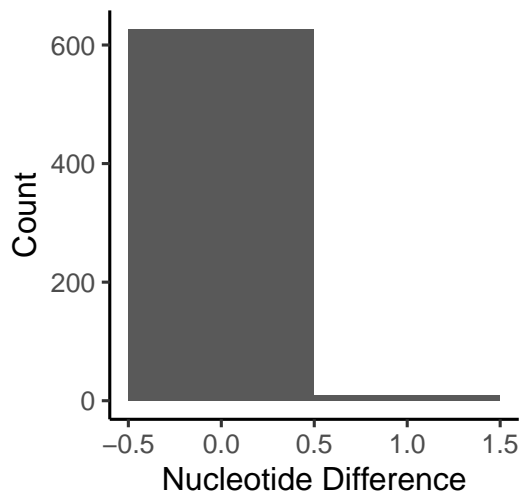
TRBV29-1*ap02

1335 sequences assigned
1302 (97.5%) exact matches, in which:
1258 unique CDR3
13 unique J



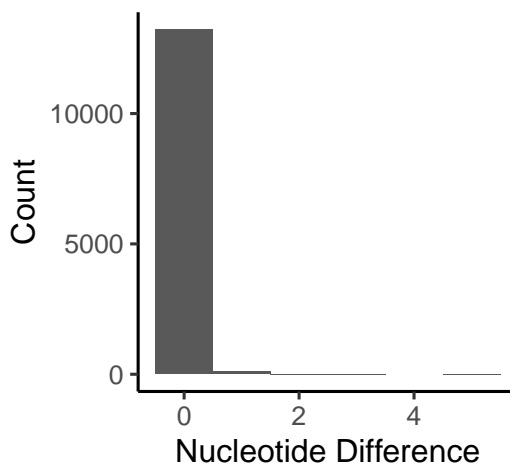
TRBV7-7*ap01_C315T

637 sequences assigned
627 (98.4%) exact matches, in which:
616 unique CDR3
13 unique J



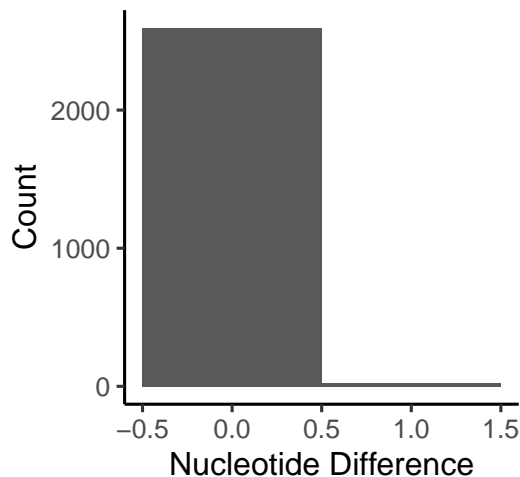
TRBV7-9*ap01

13336 sequences assigned
13226 (99.2%) exact matches, in which:
12992 unique CDR3
13 unique J



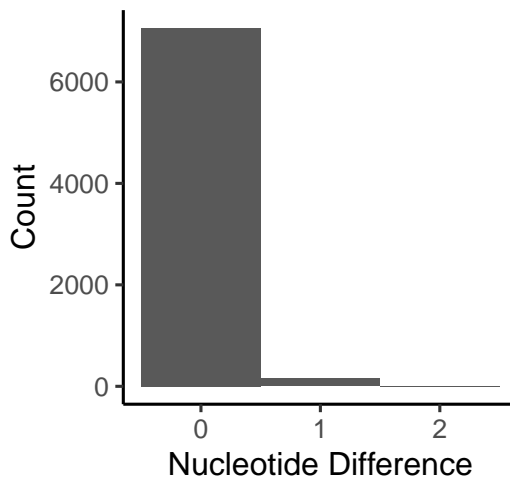
TRBV7-8*ap01

2617 sequences assigned
2594 (99.1%) exact matches, in which:
2551 unique CDR3
13 unique J

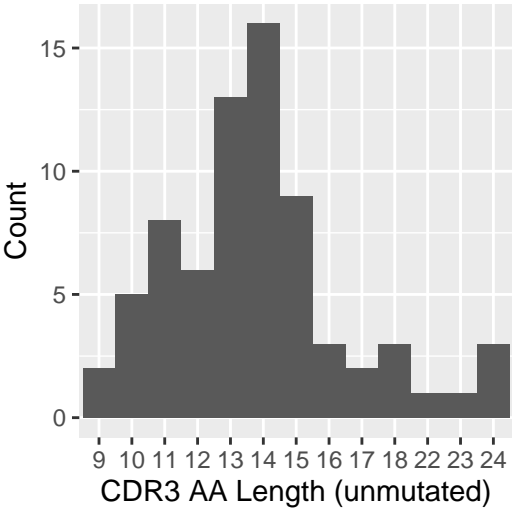


TRBV29-1*ap01

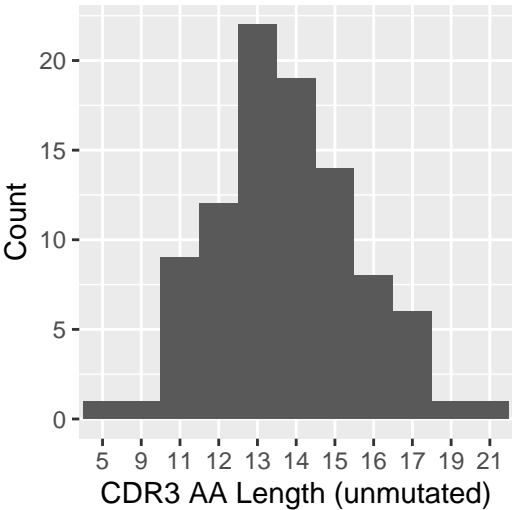
7221 sequences assigned
7062 (97.8%) exact matches, in which:
6802 unique CDR3
13 unique J



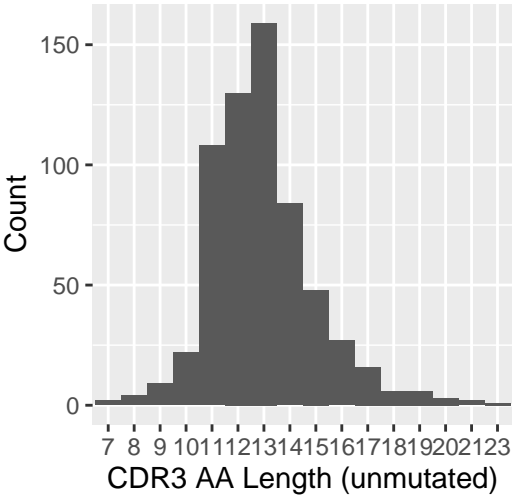
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]