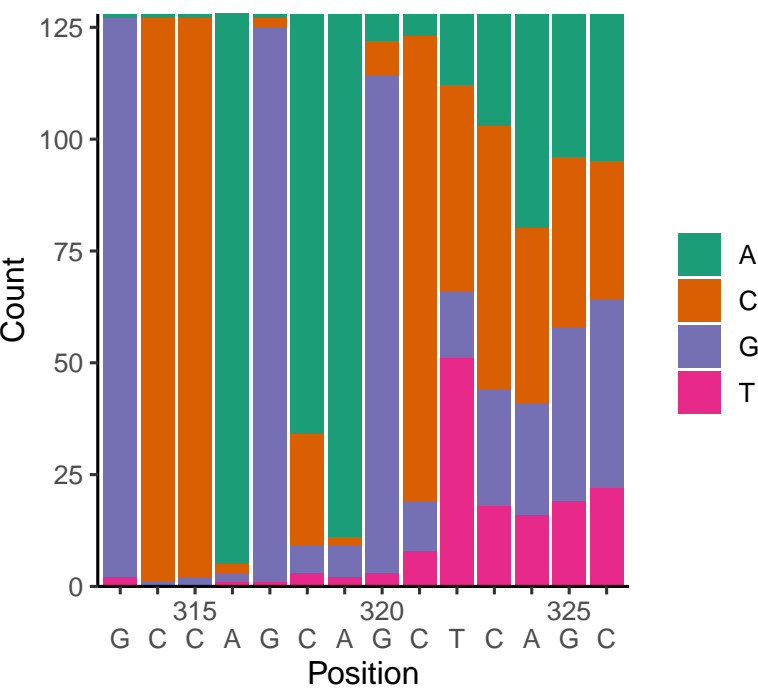
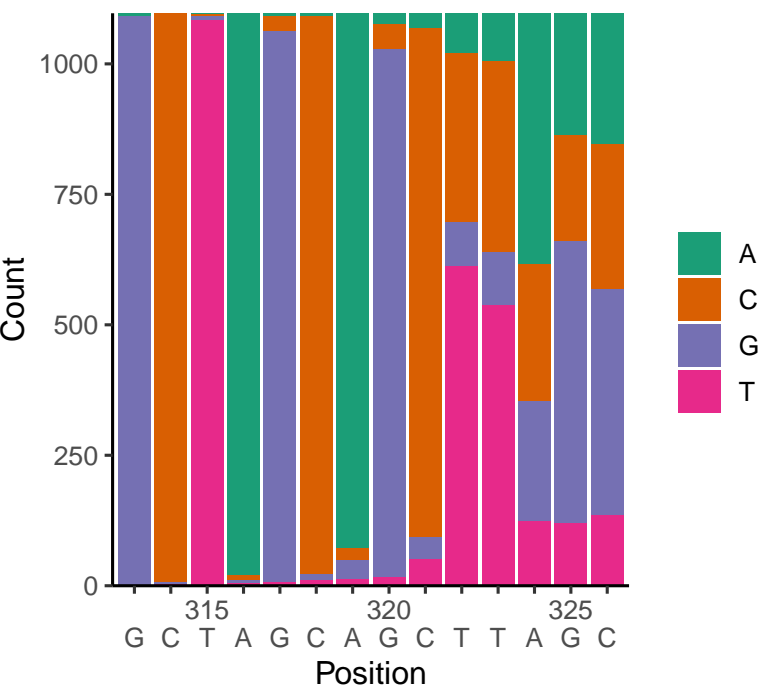


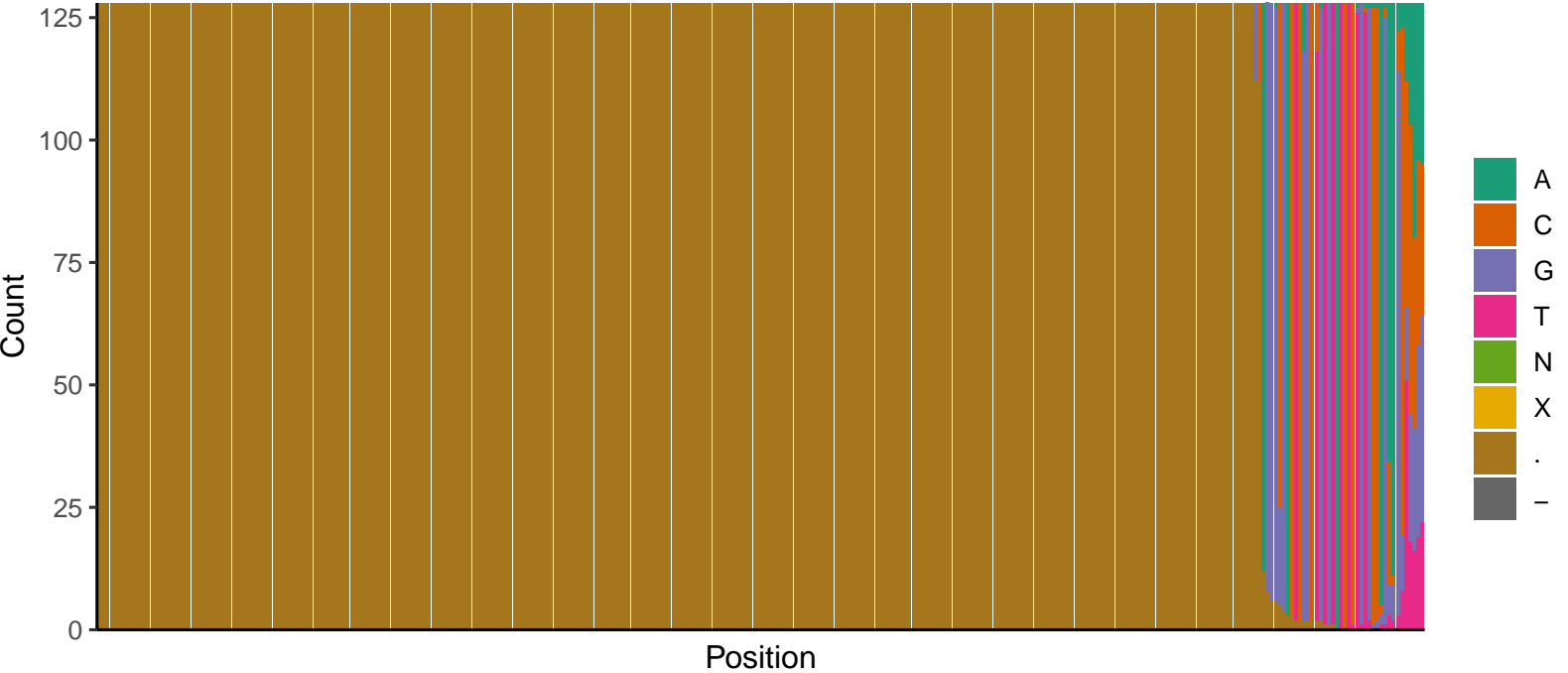
Gene TRBV7-1*ap01_T296C



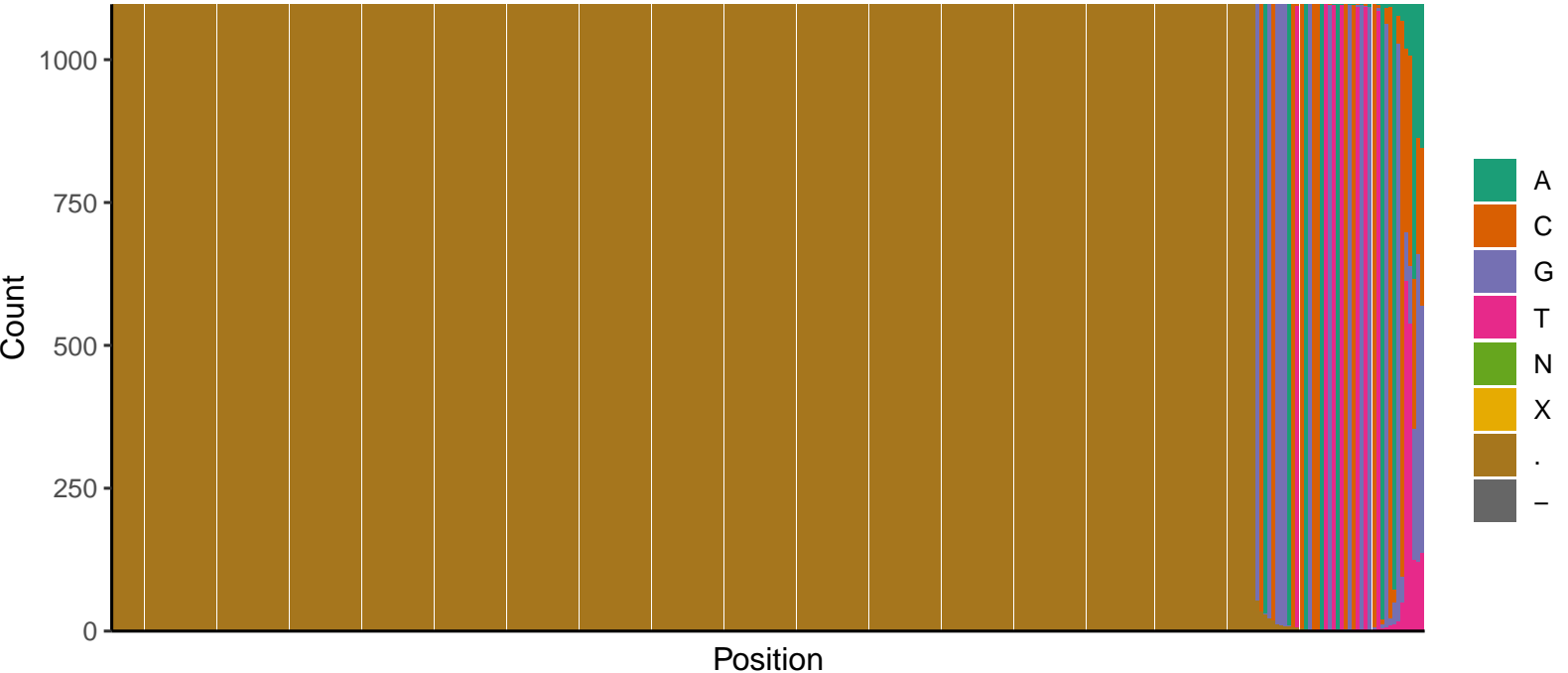
Gene TRBV7-7*ap01_C315T



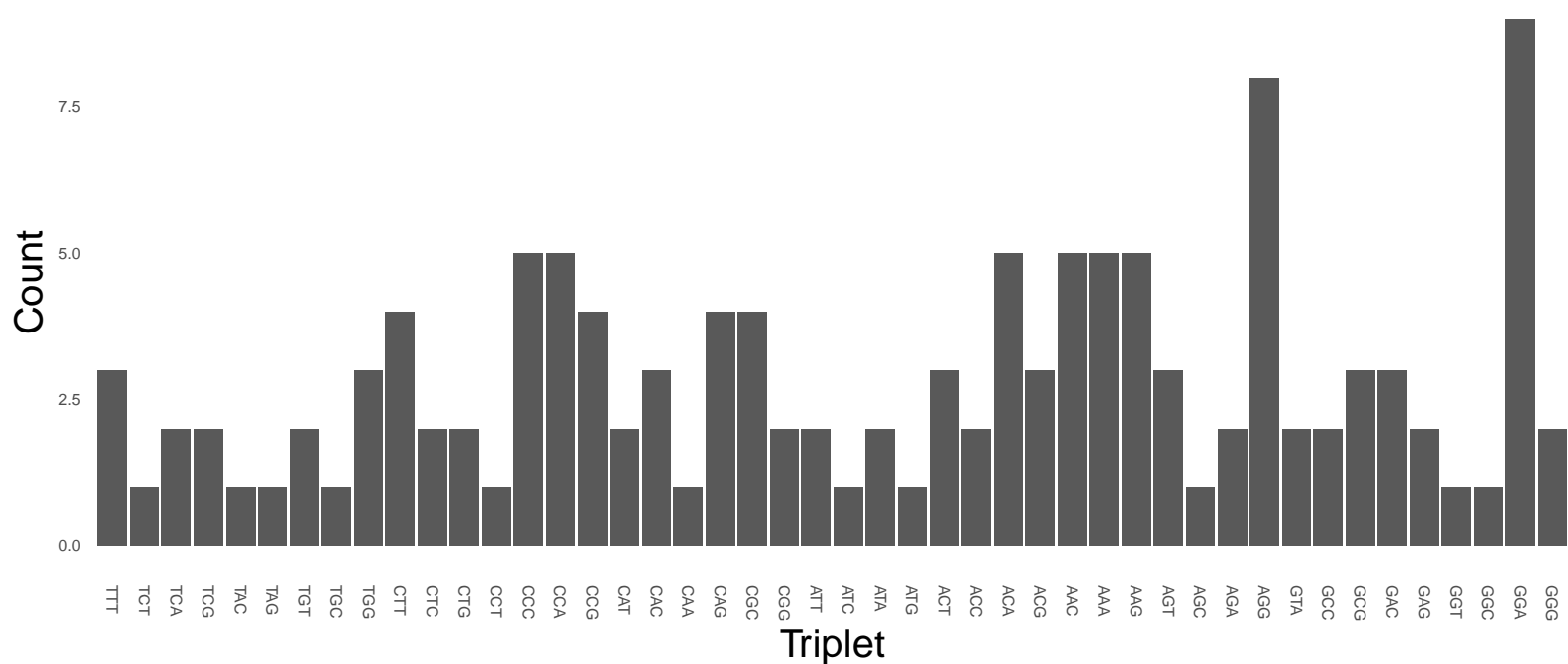
Gene TRBV7-1*ap01_T296C



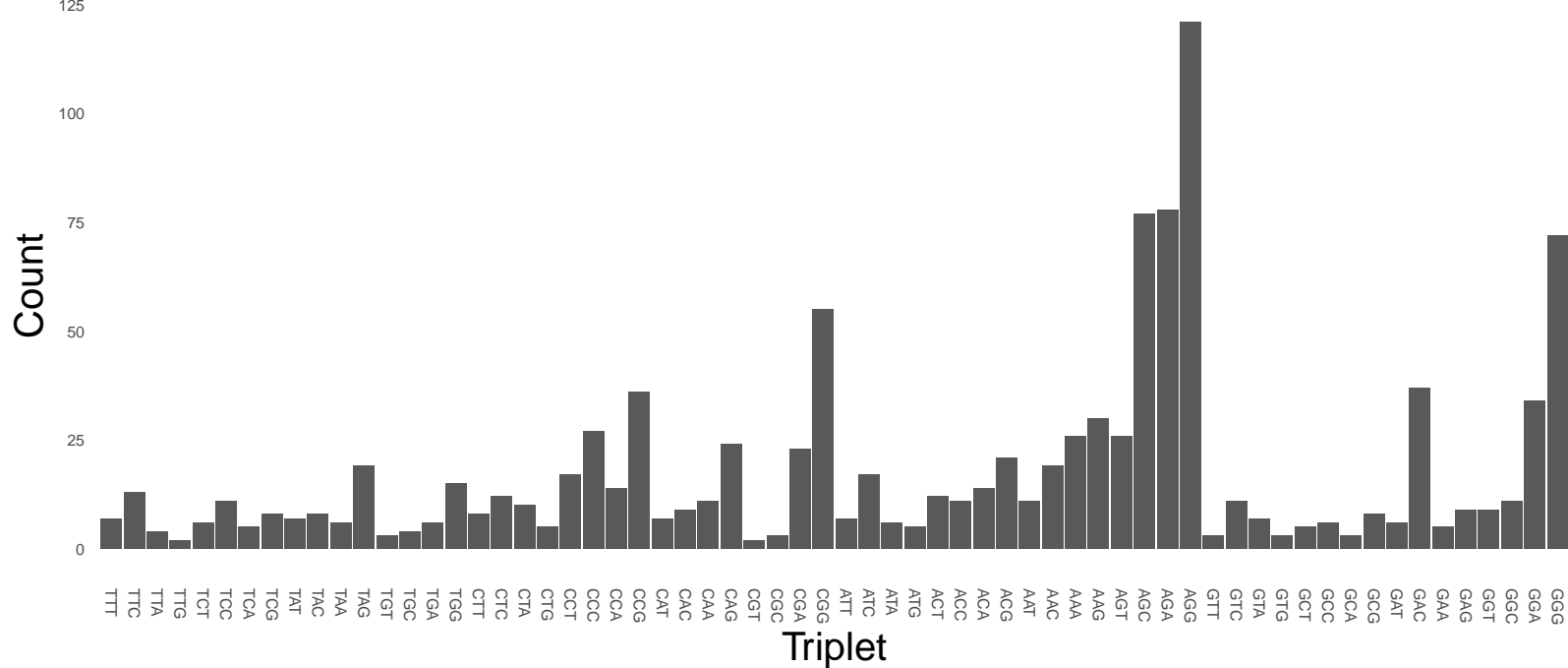
Gene TRBV7-7*ap01_C315T



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

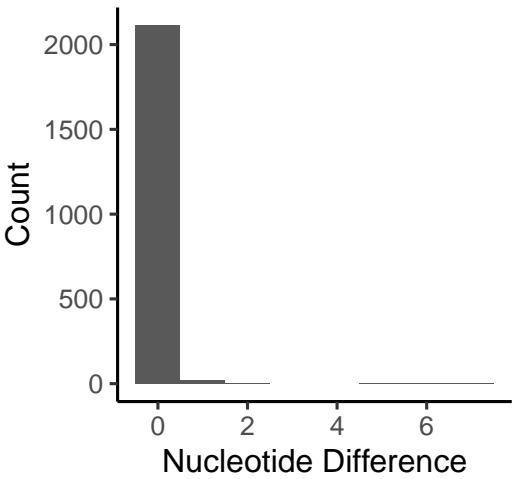


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



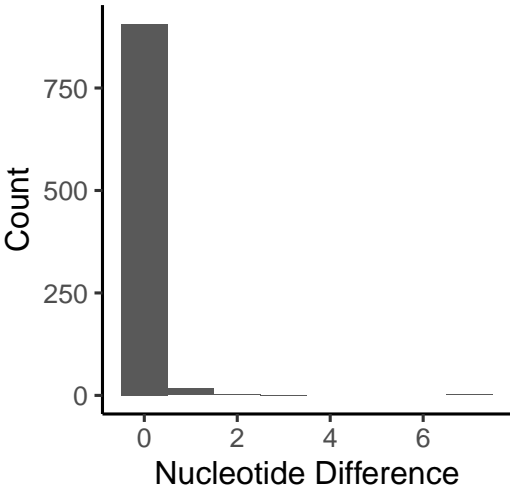
TRBV10-1*ap01

2140 sequences assigned
2113 (98.7%) exact matches, in which:
2060 unique CDR3
14 unique J



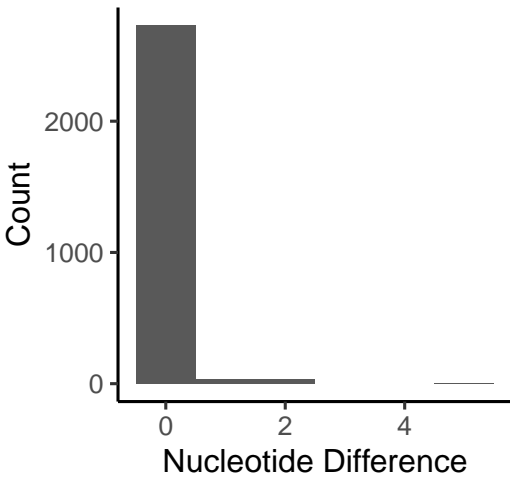
TRBV10-2*ap01

929 sequences assigned
907 (97.6%) exact matches, in which:
891 unique CDR3
14 unique J



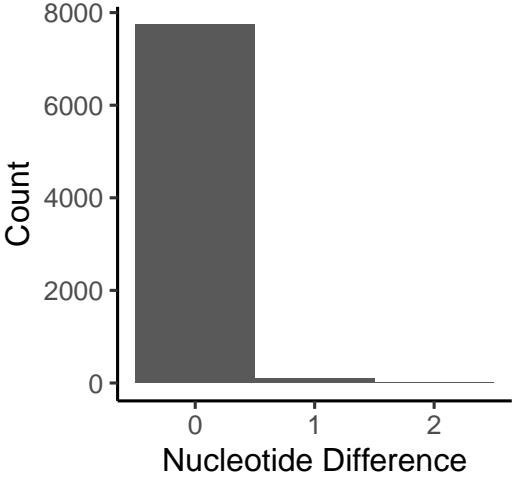
TRBV13*ap01

2801 sequences assigned
2730 (97.5%) exact matches, in which:
2680 unique CDR3
14 unique J



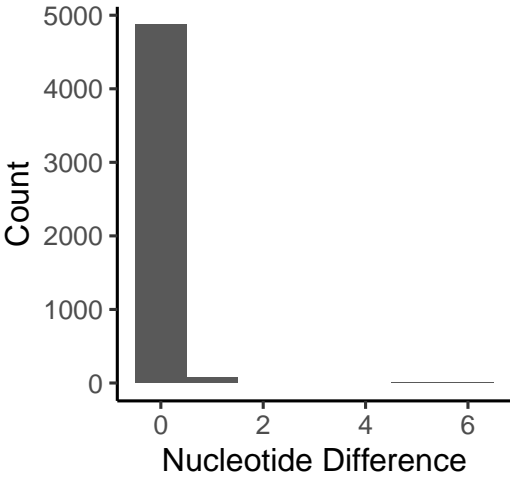
TRBV20-1*ap01

7835 sequences assigned
7738 (98.8%) exact matches, in which:
7607 unique CDR3
14 unique J



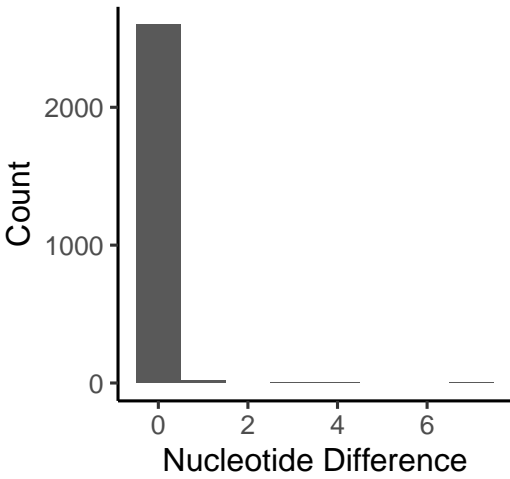
TRBV10-3*ap01

4948 sequences assigned
4871 (98.4%) exact matches, in which:
4795 unique CDR3
14 unique J



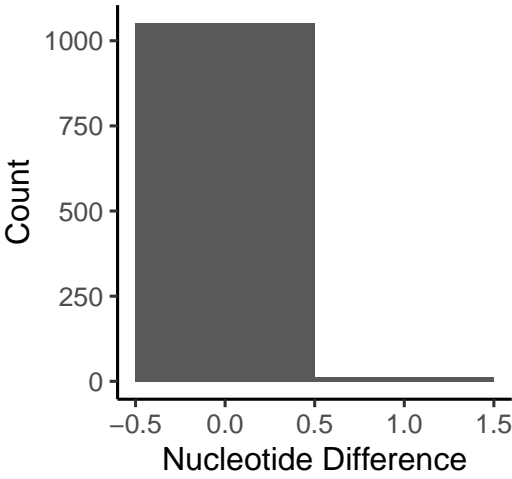
TRBV14*ap01

2620 sequences assigned
2599 (99.2%) exact matches, in which:
2564 unique CDR3
14 unique J



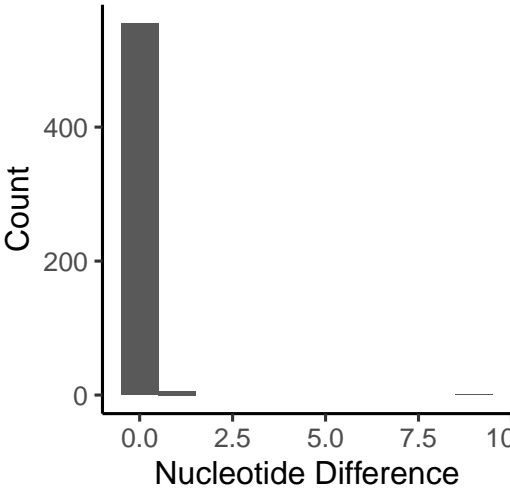
TRBV20-1*ap02

1065 sequences assigned
1052 (98.8%) exact matches, in which:
1037 unique CDR3
14 unique J



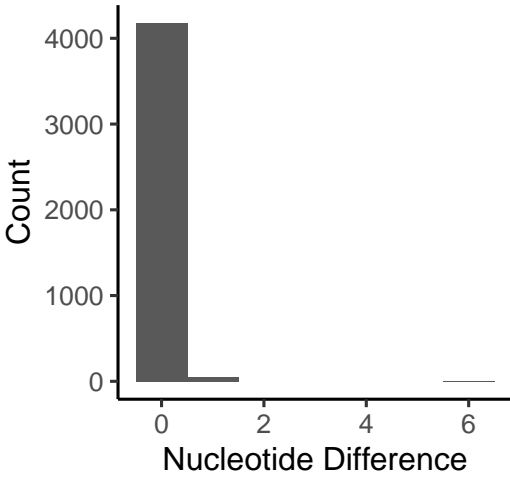
TRBV1*ap01

562 sequences assigned
555 (98.8%) exact matches, in which:
543 unique CDR3
14 unique J



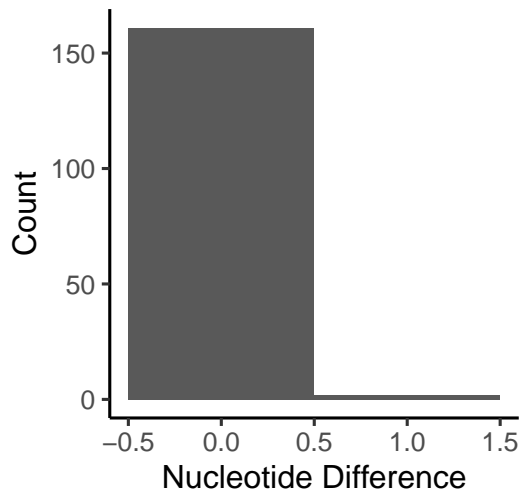
TRBV15*ap02

4228 sequences assigned
4178 (98.8%) exact matches, in which:
4110 unique CDR3
14 unique J



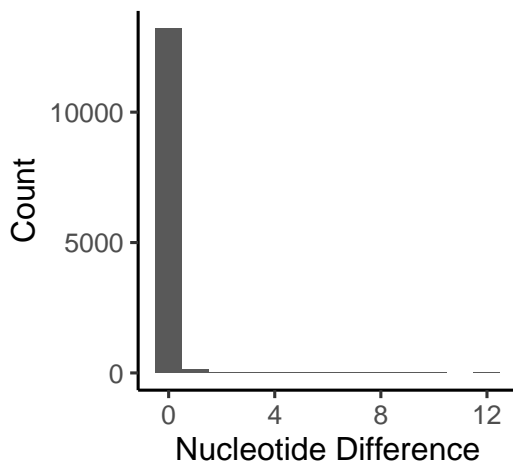
TRBV16*ap01

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



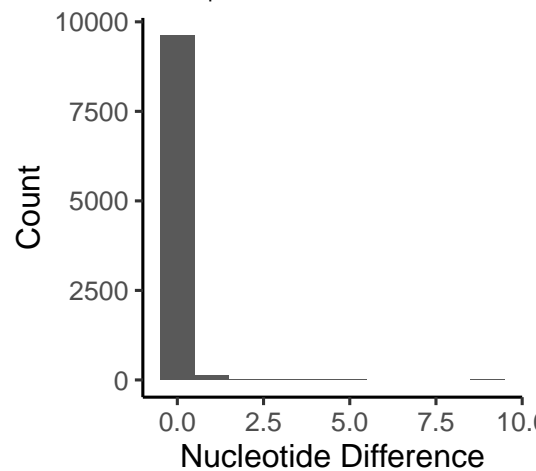
TRBV19*ap01

13357 sequences assigned
13222 (99%) exact matches, in which:
13123 unique CDR3
14 unique J



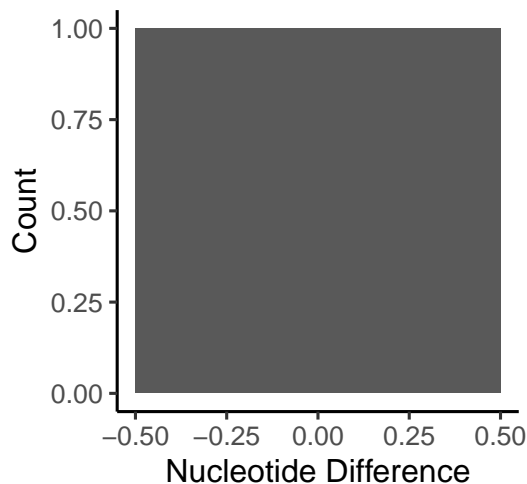
TRBV27*ap01

9780 sequences assigned
9628 (98.4%) exact matches, in which:
9443 unique CDR3
14 unique J



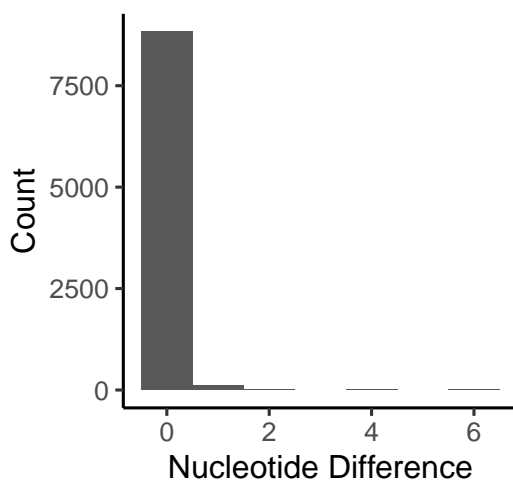
TRBV17*ap01

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



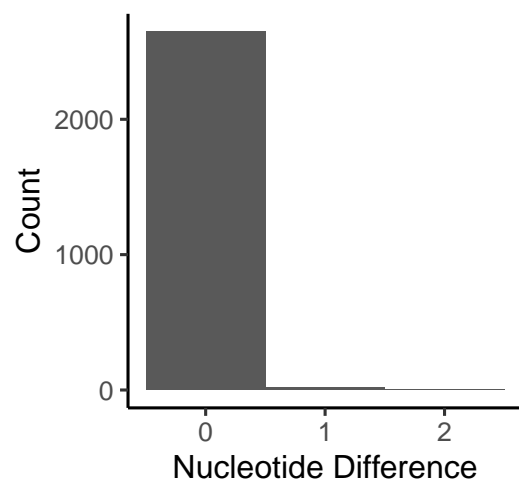
TRBV2*ap01

8944 sequences assigned
8830 (98.7%) exact matches, in which:
8664 unique CDR3
14 unique J



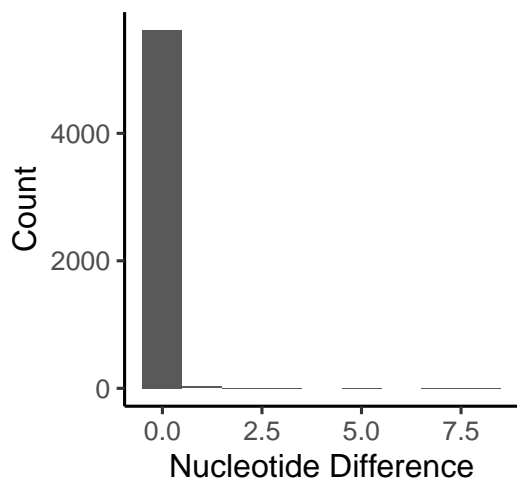
TRBV28*ap01

2670 sequences assigned
2647 (99.1%) exact matches, in which:
2598 unique CDR3
14 unique J



TRBV18*ap01

5655 sequences assigned
5621 (99.4%) exact matches, in which:
5555 unique CDR3
14 unique J



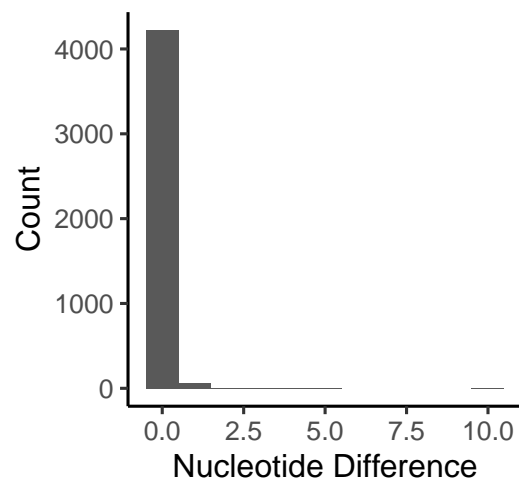
TRBV26*ap01

1 sequences assigned
No exact matches.



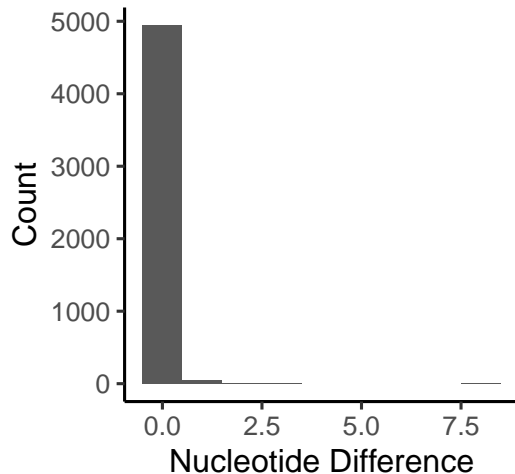
TRBV30*ap01

4297 sequences assigned
4223 (98.3%) exact matches, in which:
4163 unique CDR3
14 unique J



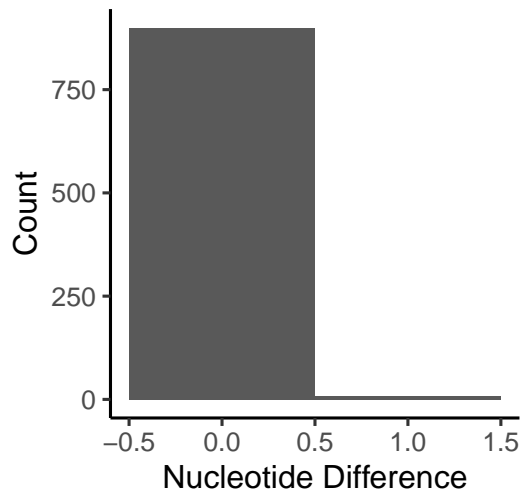
TRBV30*ap02

5001 sequences assigned
4943 (98.8%) exact matches, in which:
4874 unique CDR3
14 unique J



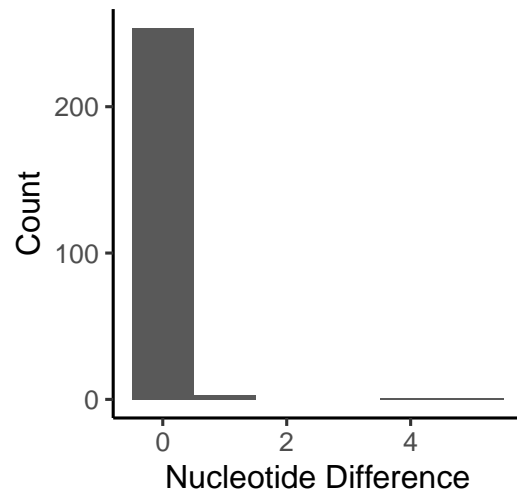
TRBV11-1*ap01

908 sequences assigned
900 (99.1%) exact matches, in which:
885 unique CDR3
14 unique J



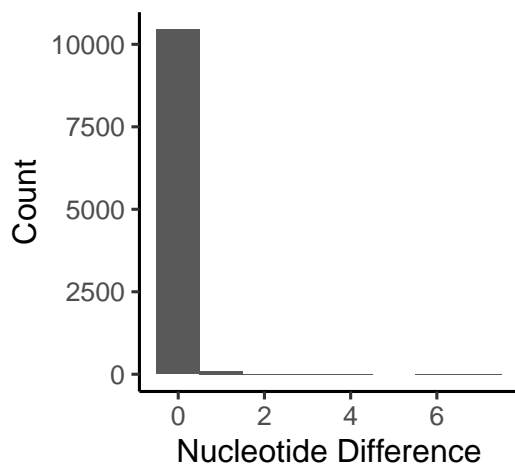
TRBV12-1*ap01

259 sequences assigned
254 (98.1%) exact matches, in which:
252 unique CDR3
14 unique J



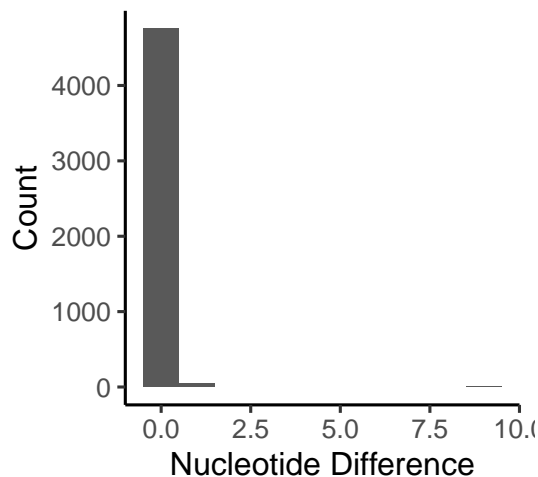
TRBV9*ap01

10566 sequences assigned
10450 (98.9%) exact matches, in which:
10308 unique CDR3
14 unique J



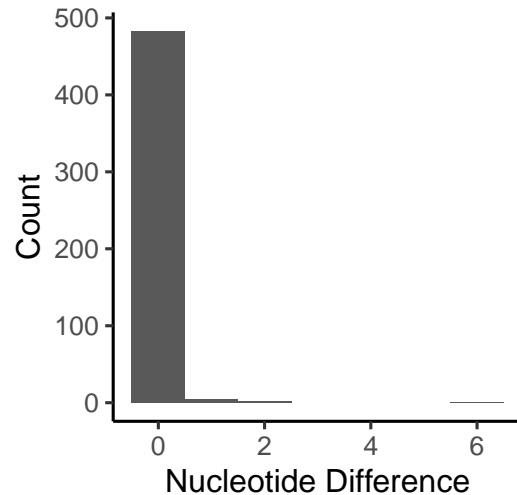
TRBV11-2*ap01

4798 sequences assigned
4753 (99.1%) exact matches, in which:
4685 unique CDR3
14 unique J



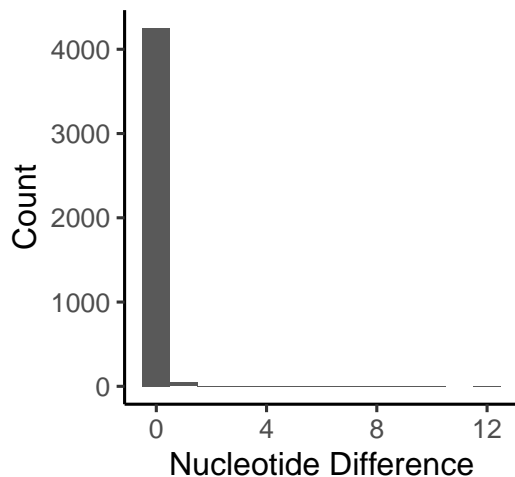
TRBV12-2*ap01

490 sequences assigned
483 (98.6%) exact matches, in which:
476 unique CDR3
14 unique J



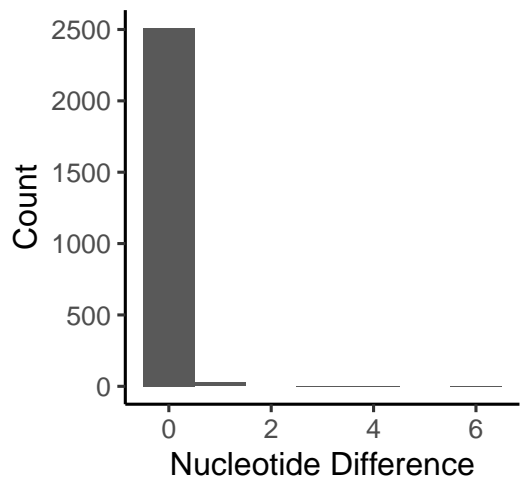
TRBV21-1*ap01

4320 sequences assigned
4252 (98.4%) exact matches, in which:
4188 unique CDR3
14 unique J



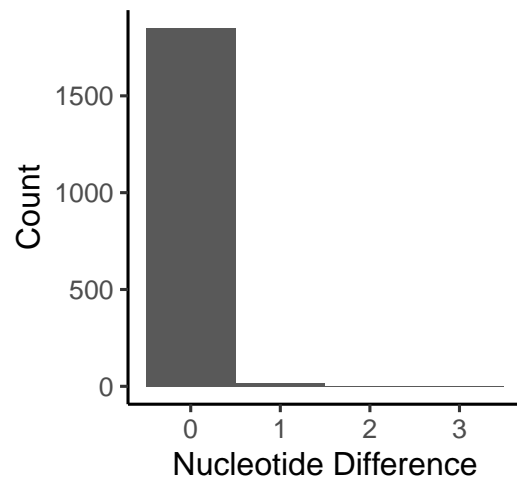
TRBV11-3*ap01

2541 sequences assigned
2510 (98.8%) exact matches, in which:
2480 unique CDR3
14 unique J



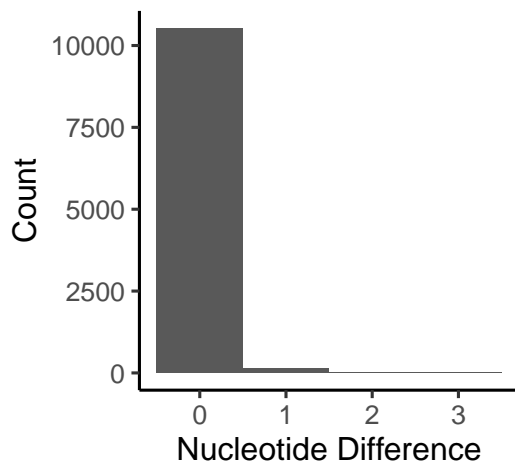
TRBV12-5*ap01

1872 sequences assigned
1850 (98.8%) exact matches, in which:
1810 unique CDR3
14 unique J



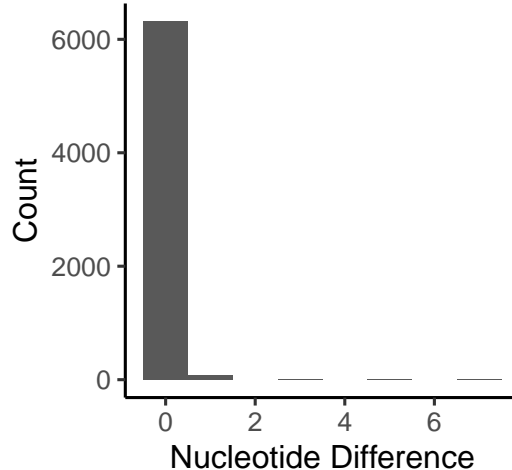
TRBV12-34*ap01

10660 sequences assigned
10530 (98.8%) exact matches, in which:
10376 unique CDR3
14 unique J



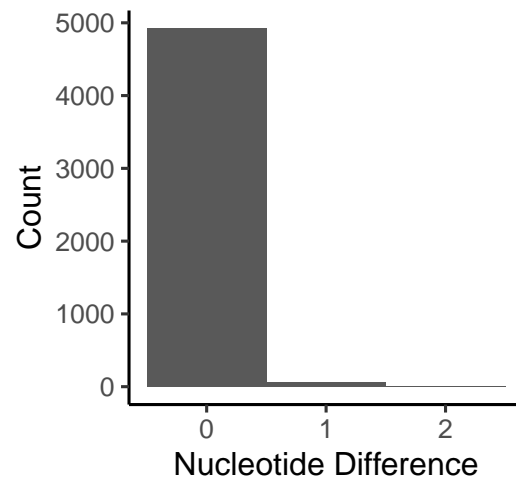
TRBV4-1*ap01

6395 sequences assigned
6316 (98.8%) exact matches, in which:
6222 unique CDR3
14 unique J



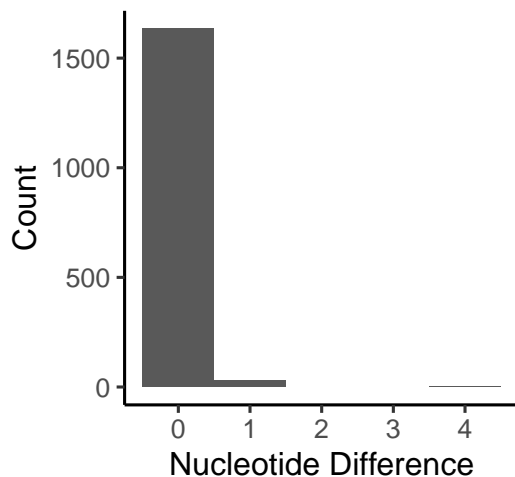
TRBV4-3*ap01

4988 sequences assigned
4923 (98.7%) exact matches, in which:
4815 unique CDR3
14 unique J



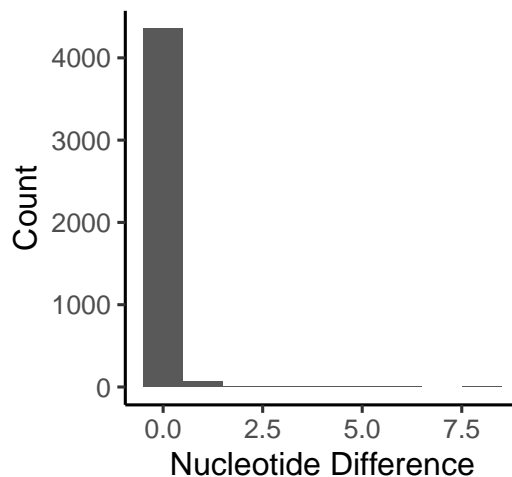
TRBV23-1*ap01

1663 sequences assigned
1634 (98.3%) exact matches, in which:
1611 unique CDR3
15 unique J



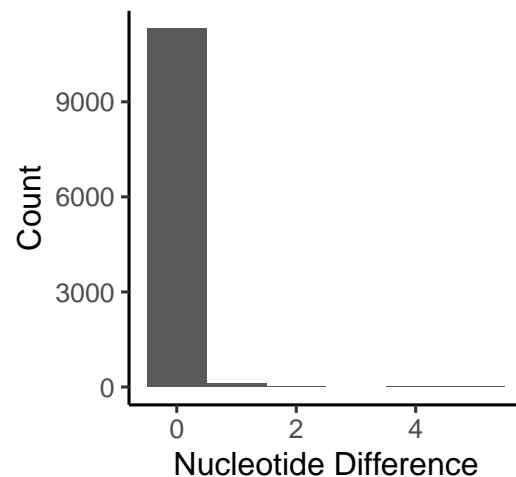
TRBV24-1*ap01

4426 sequences assigned
4354 (98.4%) exact matches, in which:
4314 unique CDR3
14 unique J



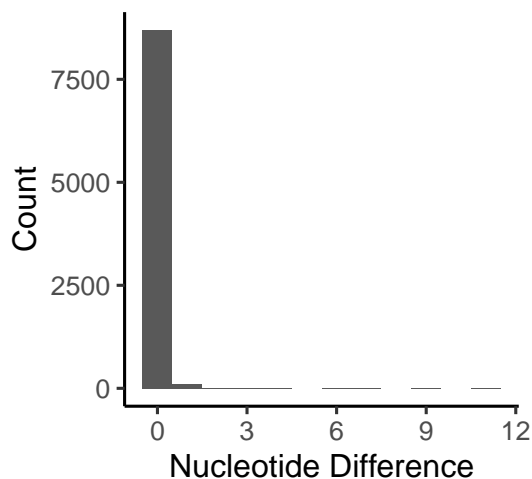
TRBV5-1*ap01

11428 sequences assigned
11306 (98.9%) exact matches, in which:
11056 unique CDR3
14 unique J



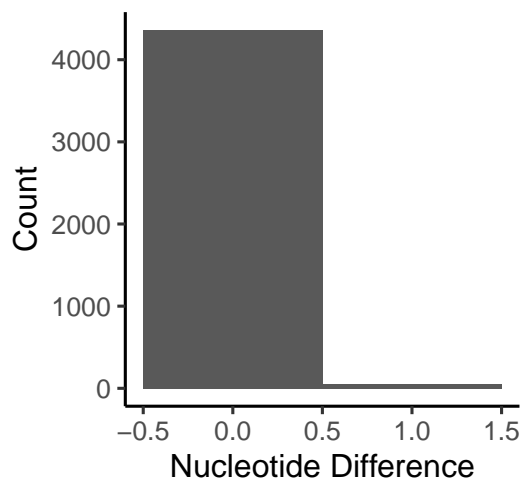
TRBV3-12*ap01

8819 sequences assigned
8696 (98.6%) exact matches, in which:
8551 unique CDR3
14 unique J



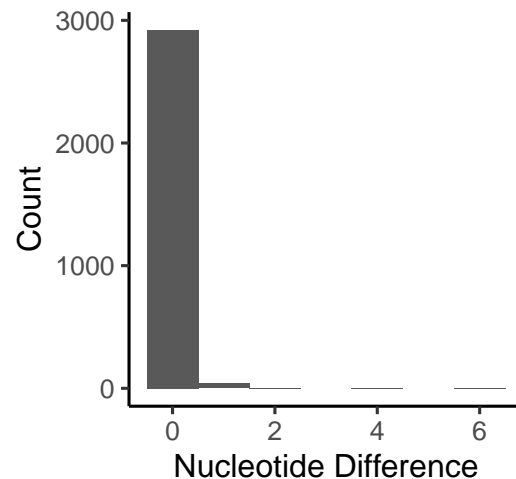
TRBV4-2*ap01

4417 sequences assigned
4361 (98.7%) exact matches, in which:
4285 unique CDR3
14 unique J



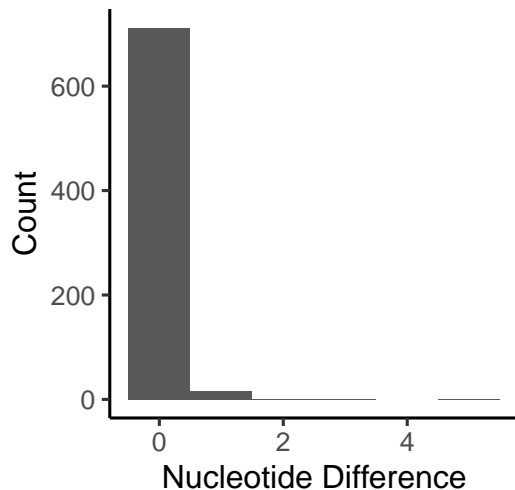
TRBV25-1*ap01

2967 sequences assigned
2921 (98.4%) exact matches, in which:
2880 unique CDR3
14 unique J



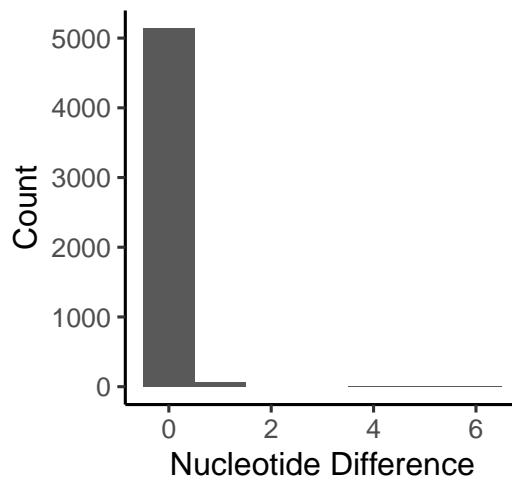
TRBV5-3*ap01

731 sequences assigned
712 (97.4%) exact matches, in which:
702 unique CDR3
14 unique J



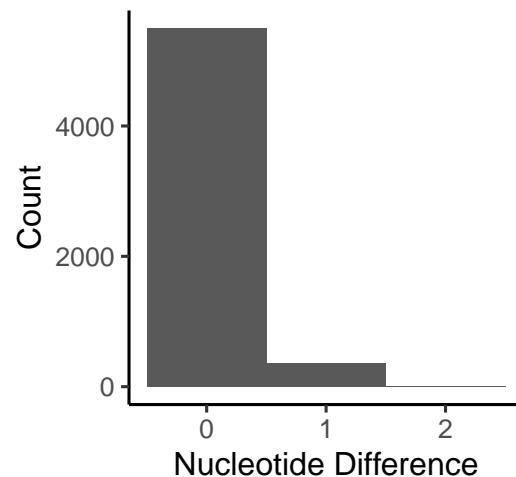
TRBV5-6*ap01

5203 sequences assigned
5139 (98.8%) exact matches, in which:
5026 unique CDR3
14 unique J



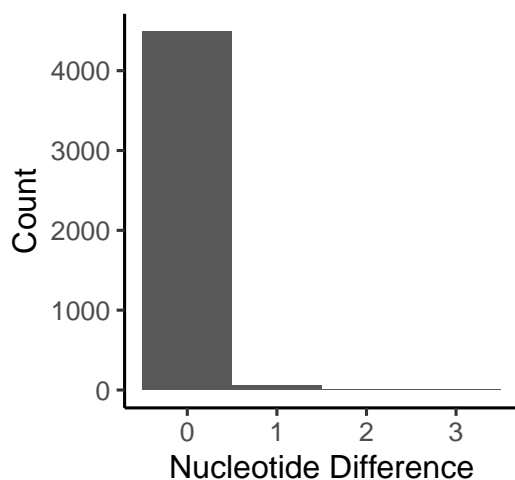
TRBV6-1*ap01

5857 sequences assigned
5497 (93.9%) exact matches, in which:
5362 unique CDR3
14 unique J



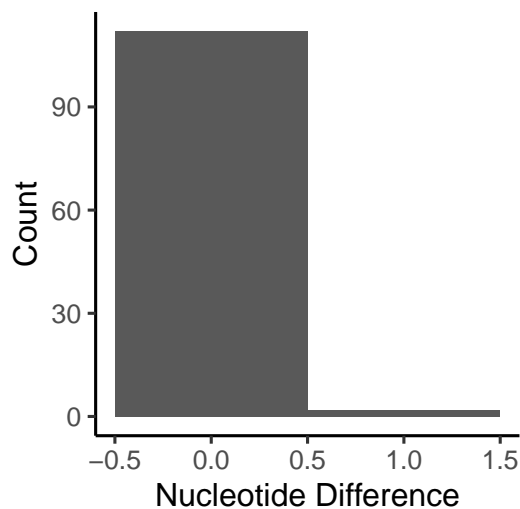
TRBV5-4*ap01

4544 sequences assigned
4488 (98.8%) exact matches, in which:
4406 unique CDR3
14 unique J



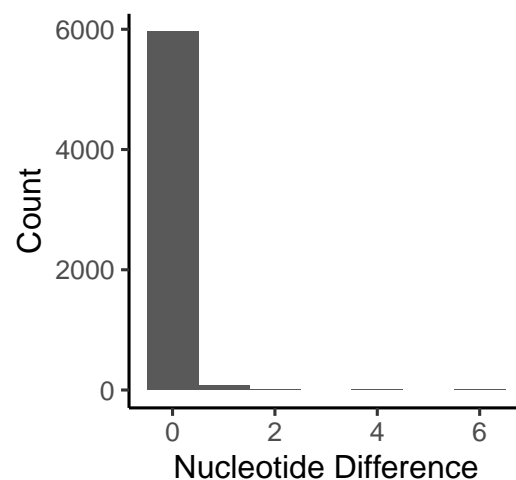
TRBV5-7*ap01

114 sequences assigned
112 (98.2%) exact matches, in which:
110 unique CDR3
14 unique J



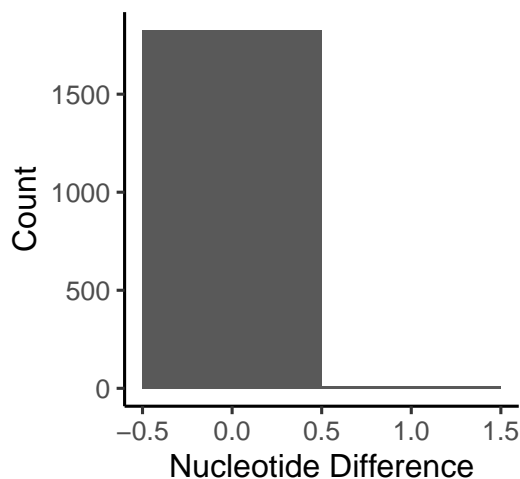
TRBV6-4*ap01

6040 sequences assigned
5959 (98.7%) exact matches, in which:
5898 unique CDR3
14 unique J



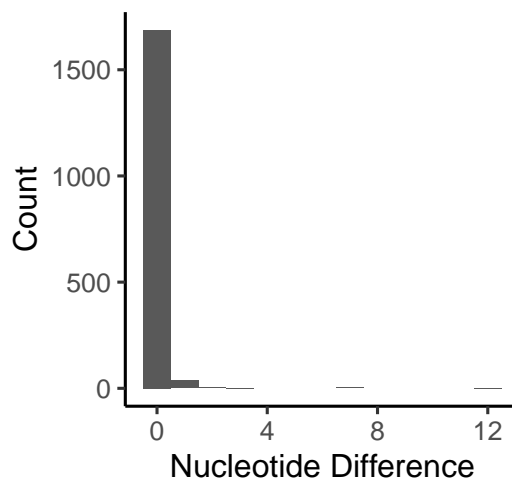
TRBV5-5*ap01

1839 sequences assigned
1827 (99.3%) exact matches, in which:
1811 unique CDR3
14 unique J



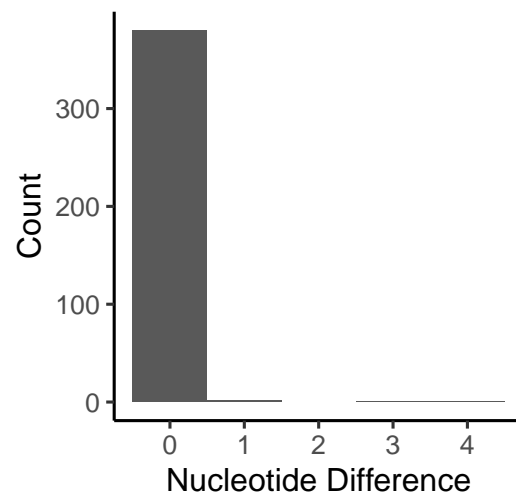
TRBV5-8*ap01

1732 sequences assigned
1687 (97.4%) exact matches, in which:
1662 unique CDR3
14 unique J



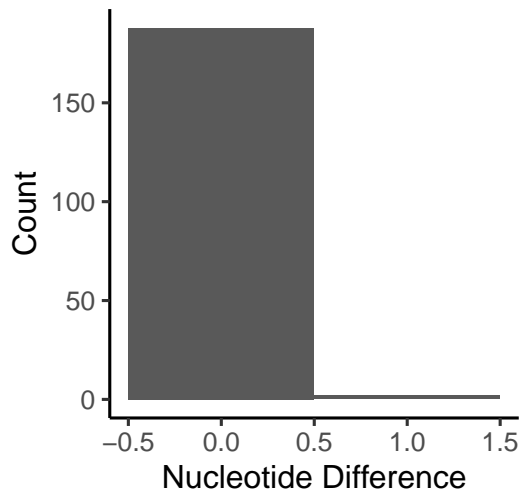
TRBV6-7*ap01

384 sequences assigned
380 (99%) exact matches, in which:
366 unique CDR3
14 unique J



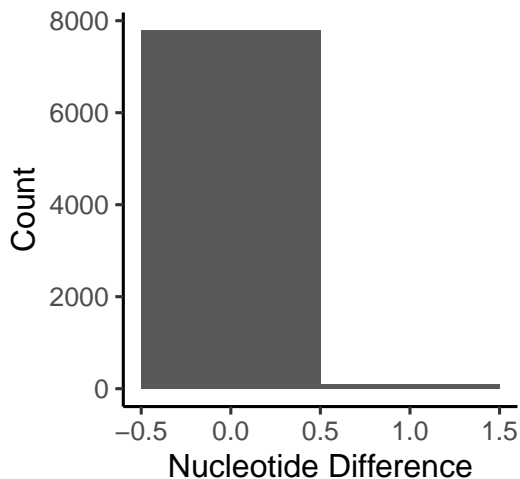
TRBV6-8*ap01

190 sequences assigned
188 (98.9%) exact matches, in which:
185 unique CDR3
14 unique J



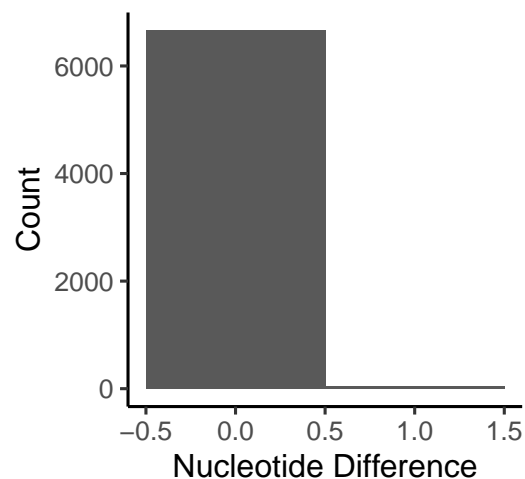
TRBV6-56*ap01

7883 sequences assigned
7789 (98.8%) exact matches, in which:
7629 unique CDR3
14 unique J



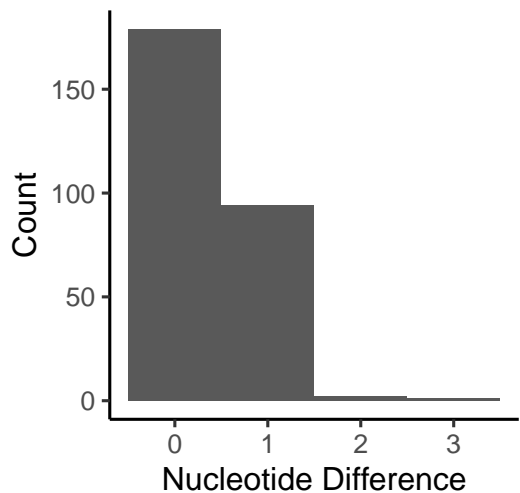
TRBV7-2*ap01

6707 sequences assigned
6661 (99.3%) exact matches, in which:
6564 unique CDR3
14 unique J



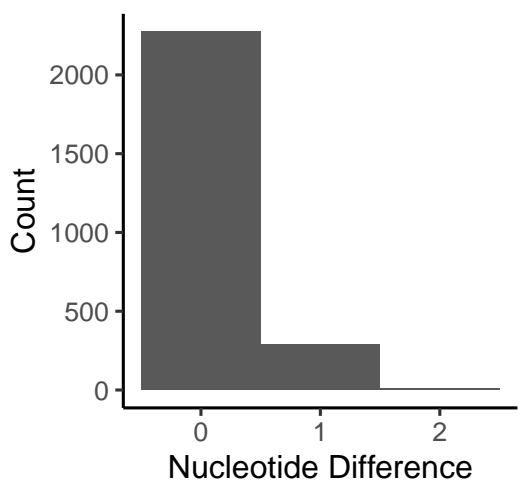
TRBV6-9*ap01

276 sequences assigned
179 (64.9%) exact matches, in which:
178 unique CDR3
14 unique J



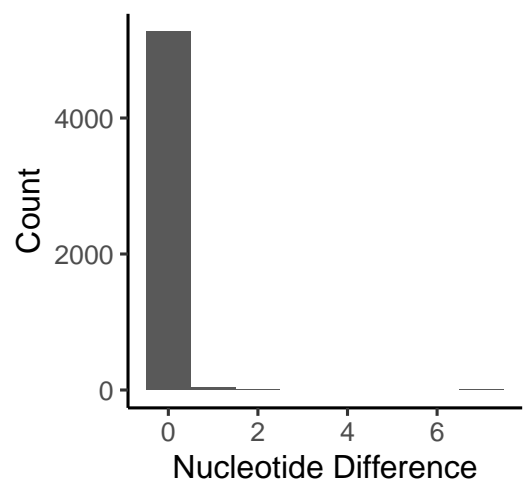
TRBV6-56*ap02

2569 sequences assigned
2274 (88.5%) exact matches, in which:
2230 unique CDR3
14 unique J



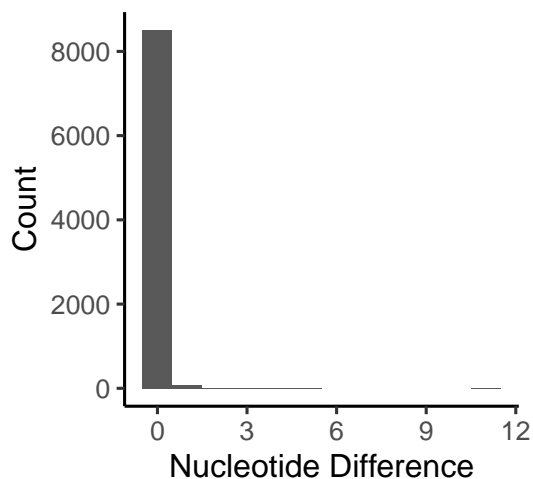
TRBV7-3*ap01

5306 sequences assigned
5269 (99.3%) exact matches, in which:
5187 unique CDR3
14 unique J



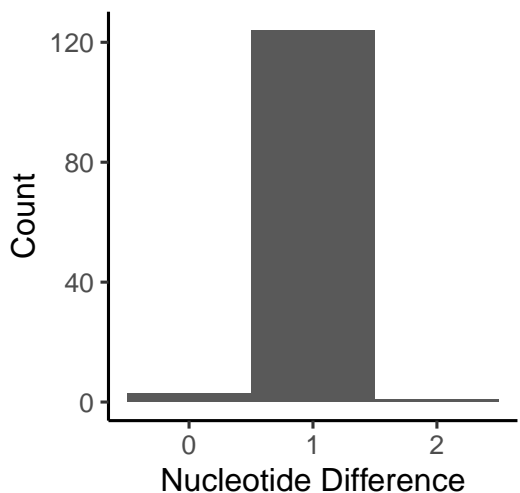
TRBV6-23*ap01

8599 sequences assigned
8507 (98.9%) exact matches, in which:
8313 unique CDR3
14 unique J



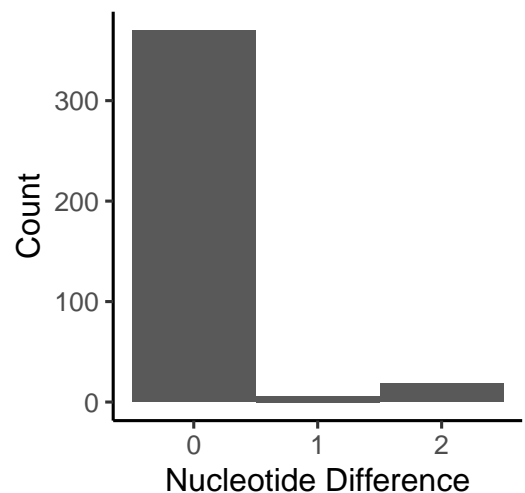
TRBV7-1*ap01_T296C

128 sequences assigned
3 (2.3%) exact matches, in which:
3 unique CDR3
3 unique J



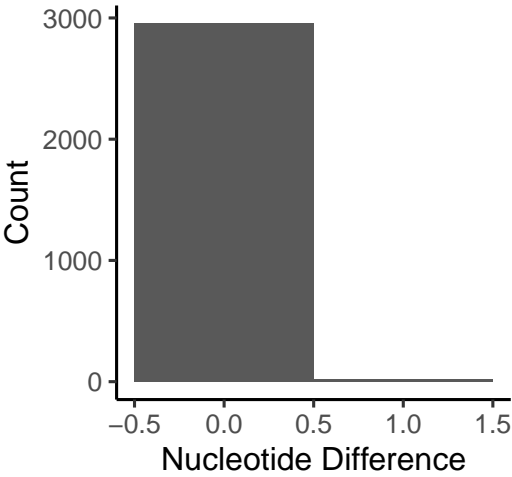
TRBV7-4*ap01

394 sequences assigned
370 (93.9%) exact matches, in which:
362 unique CDR3
14 unique J



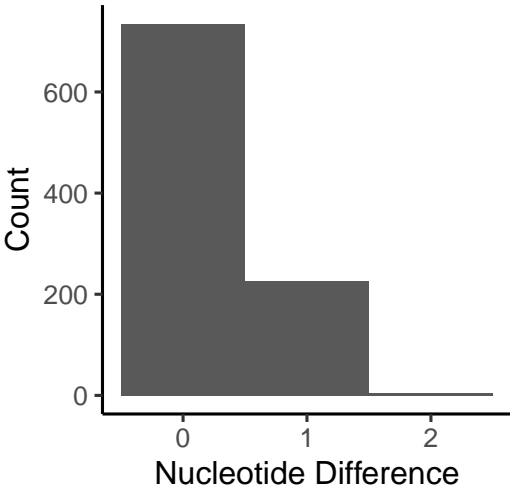
TRBV7-6*ap01

2974 sequences assigned
2955 (99.4%) exact matches, in which:
2915 unique CDR3
14 unique J



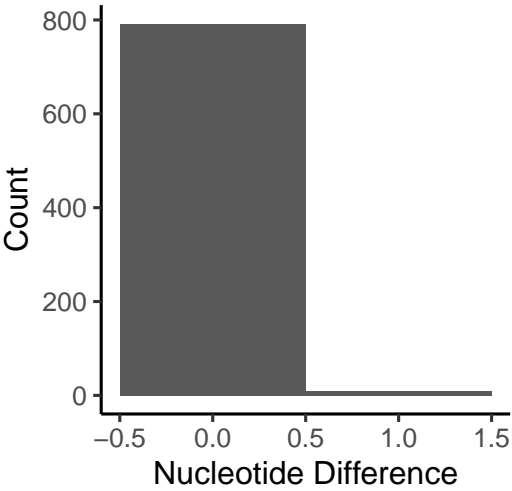
TRBV7-8*ap03

966 sequences assigned
735 (76.1%) exact matches, in which:
720 unique CDR3
14 unique J



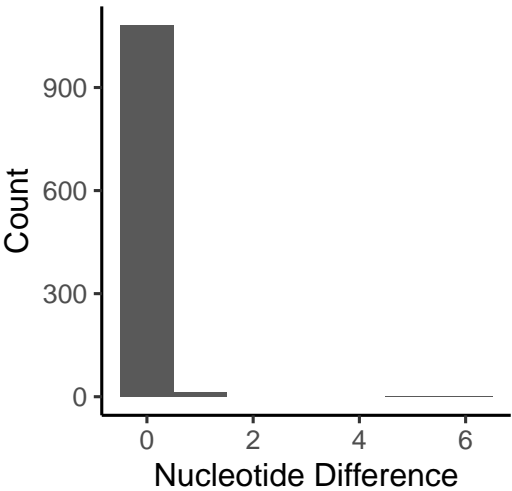
TRBV29-1*ap02

802 sequences assigned
792 (98.8%) exact matches, in which:
781 unique CDR3
14 unique J



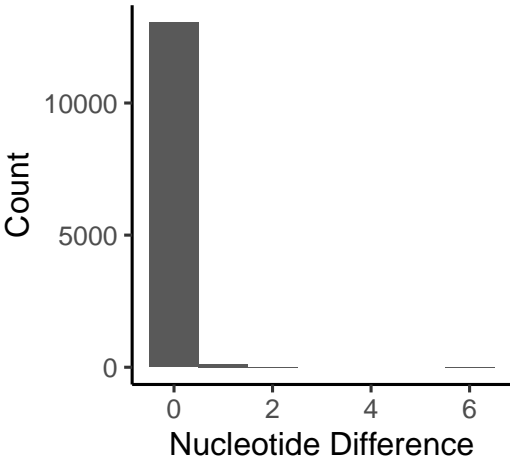
TRBV7-7*ap01_C315T

1097 sequences assigned
1082 (98.6%) exact matches, in which:
1061 unique CDR3
14 unique J



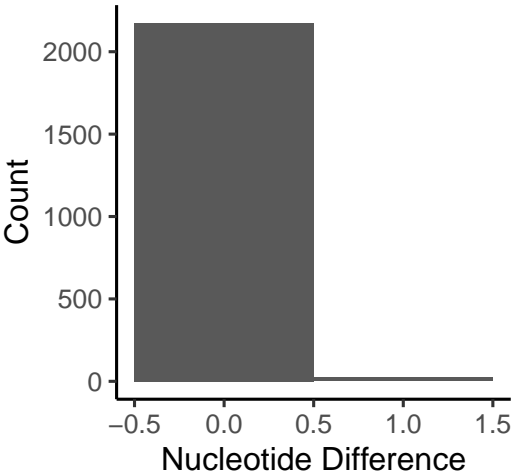
TRBV7-9*ap01

13169 sequences assigned
13048 (99.1%) exact matches, in which:
12859 unique CDR3
14 unique J



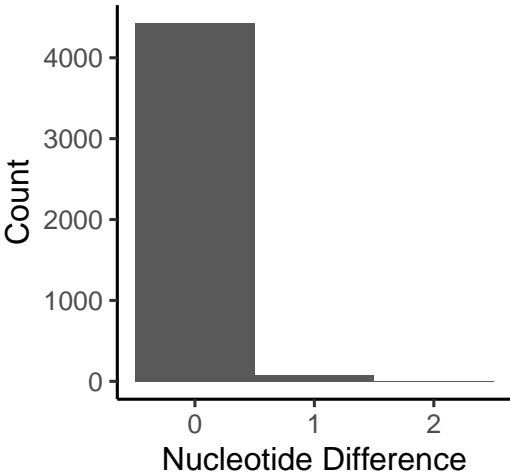
TRBV7-8*ap01

2198 sequences assigned
2174 (98.9%) exact matches, in which:
2126 unique CDR3
14 unique J

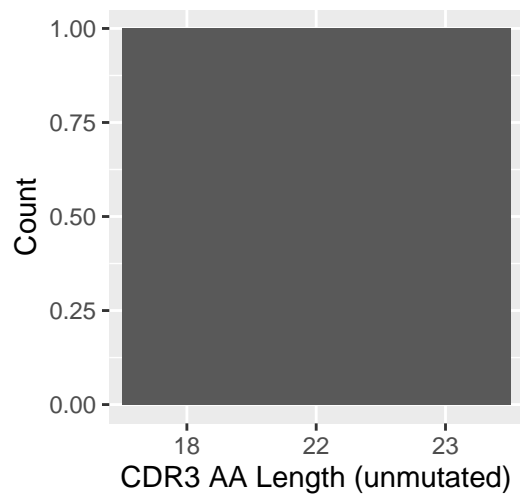


TRBV29-1*ap01

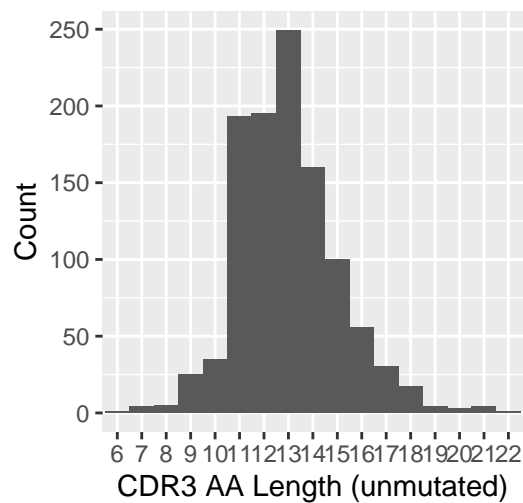
4507 sequences assigned
4429 (98.3%) exact matches, in which:
4356 unique CDR3
14 unique J

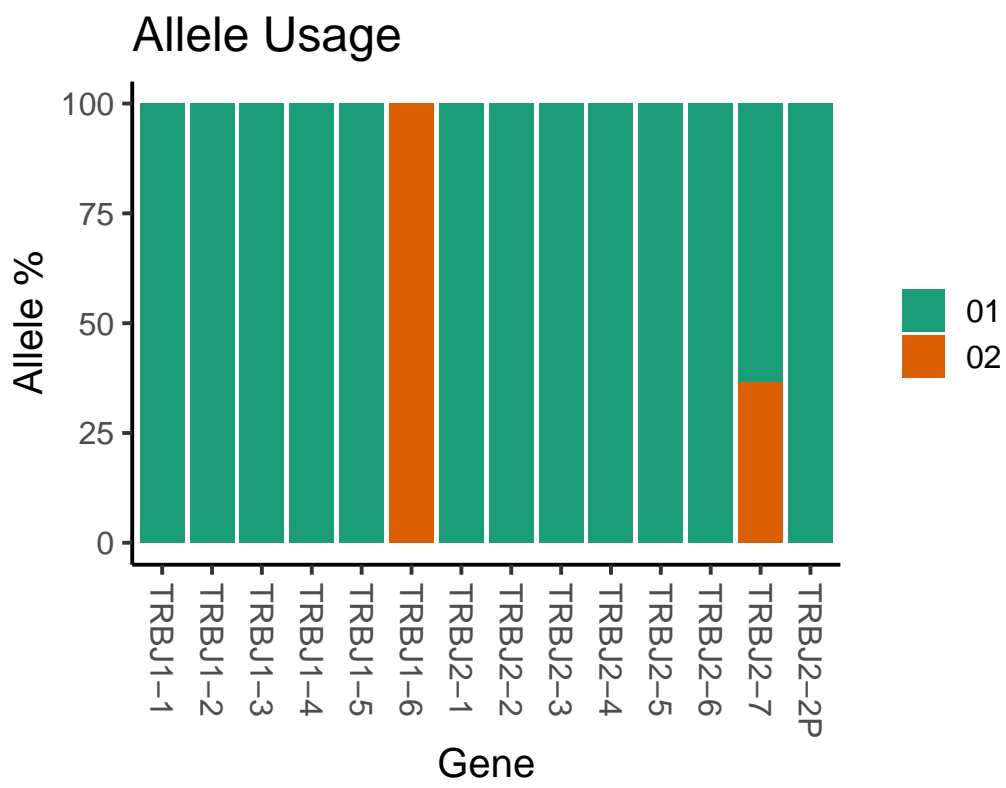


TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage



[illegible]