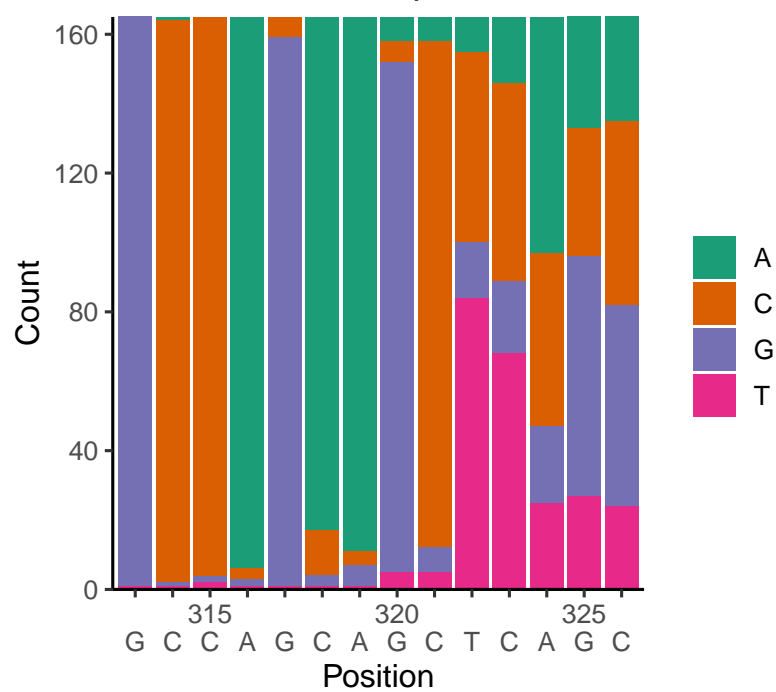
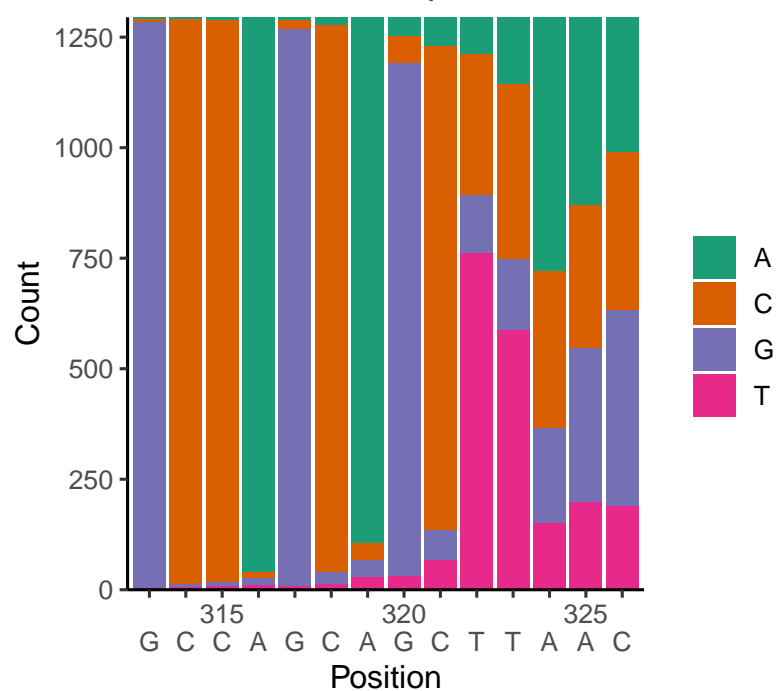


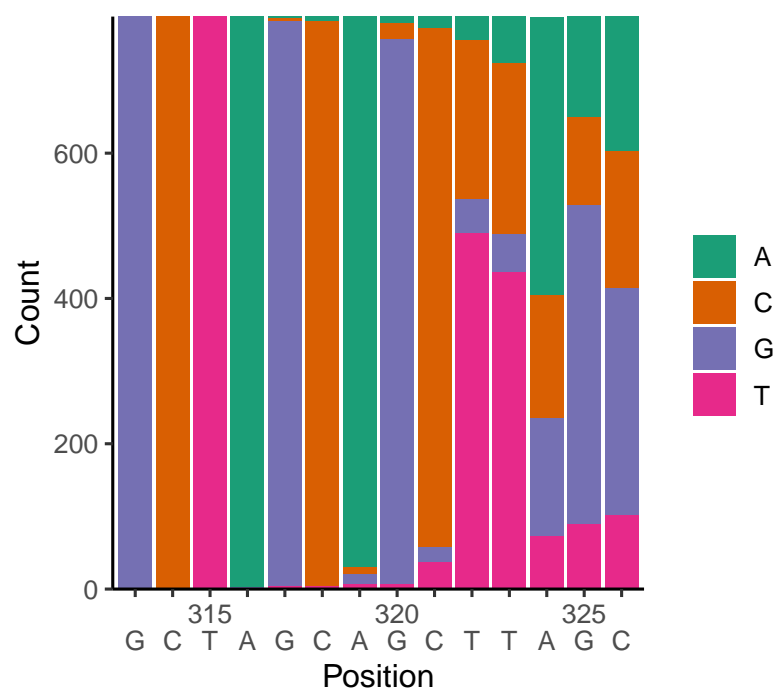
Gene TRBV7-1*ap01_G291C_T296C



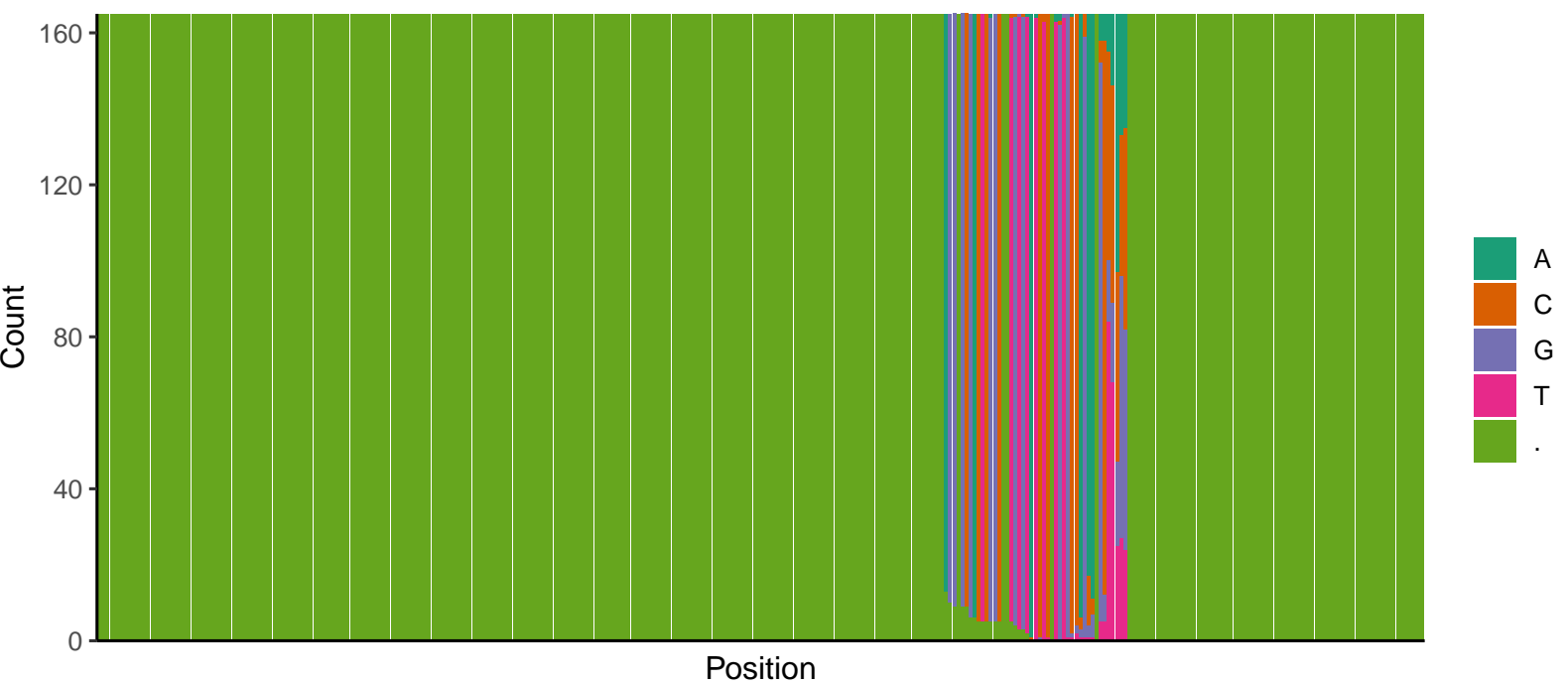
Gene TRBV7-3*ap01_G292T



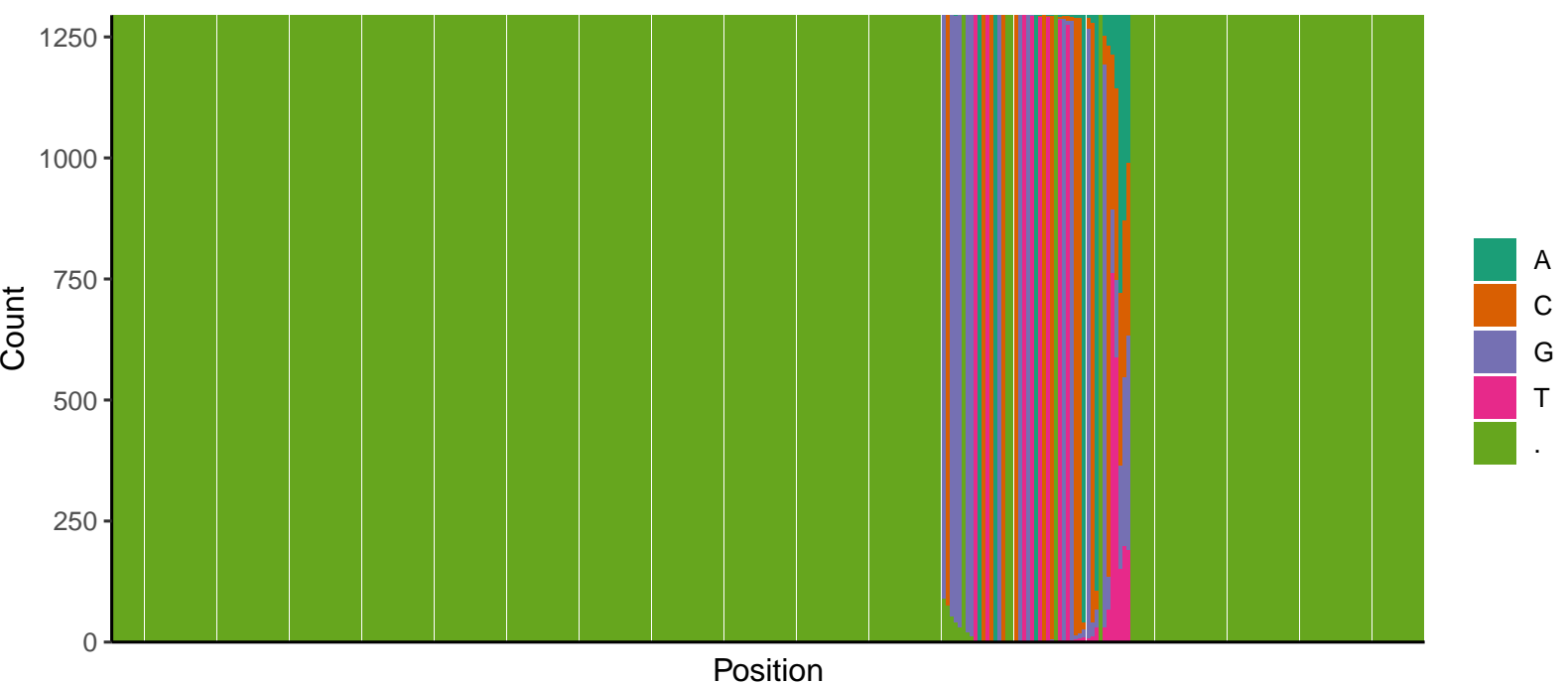
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C



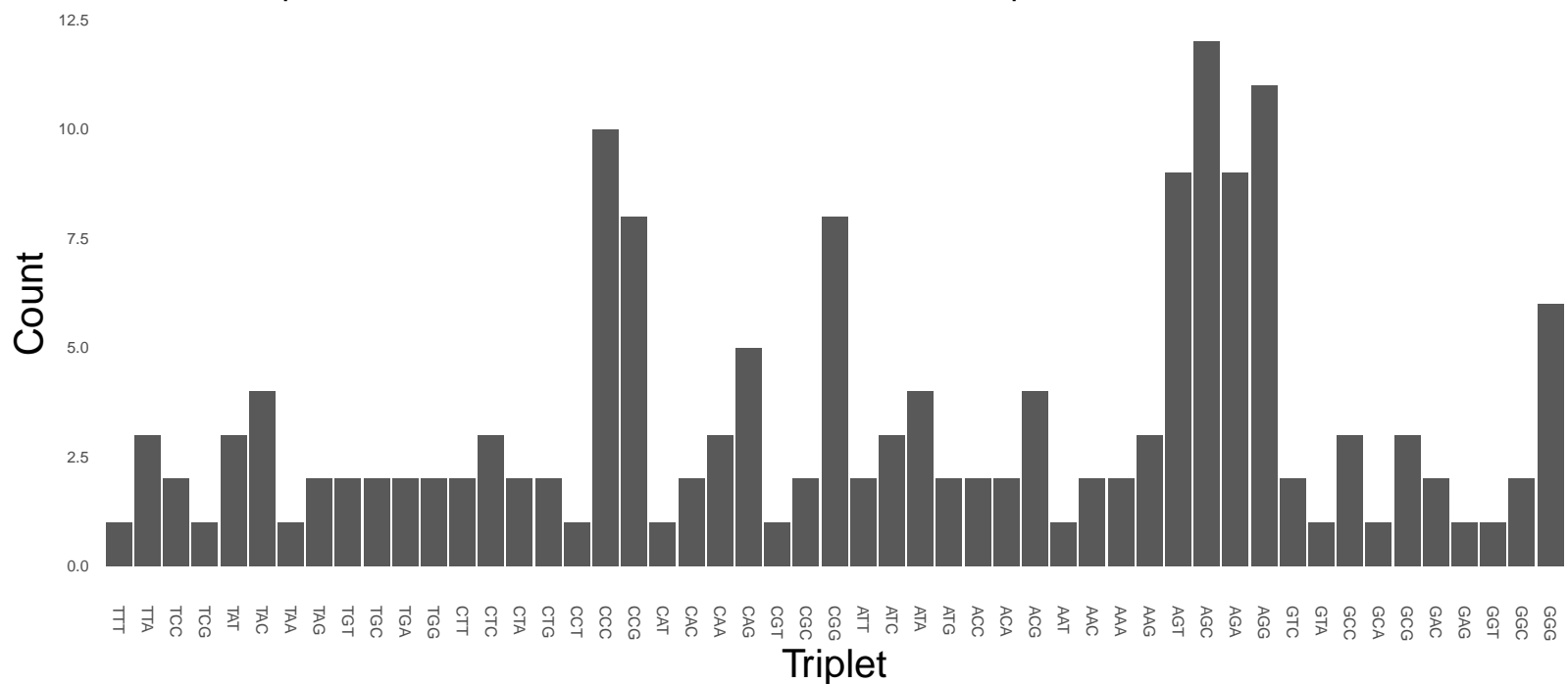
Gene TRBV7-3*ap01_G292T



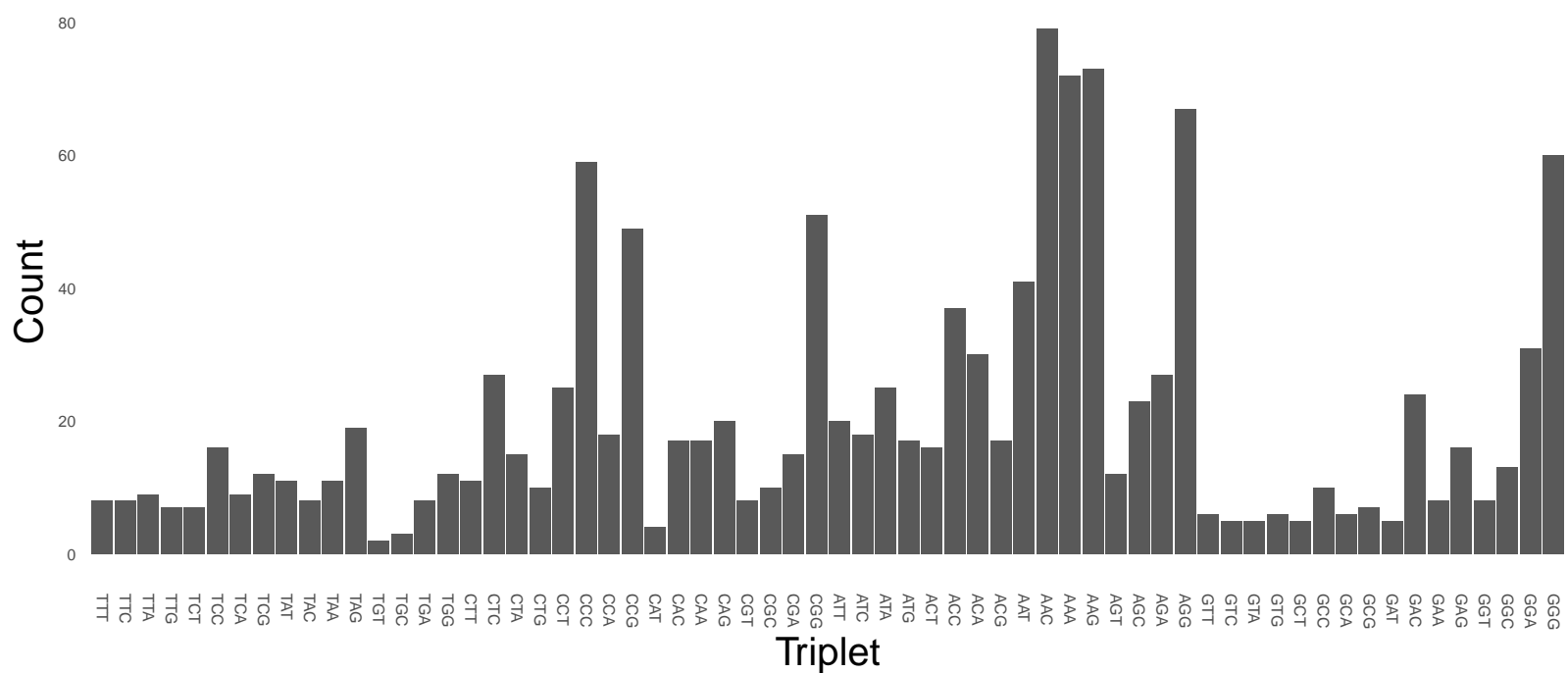
Gene TRBV7-7*ap01_C315T



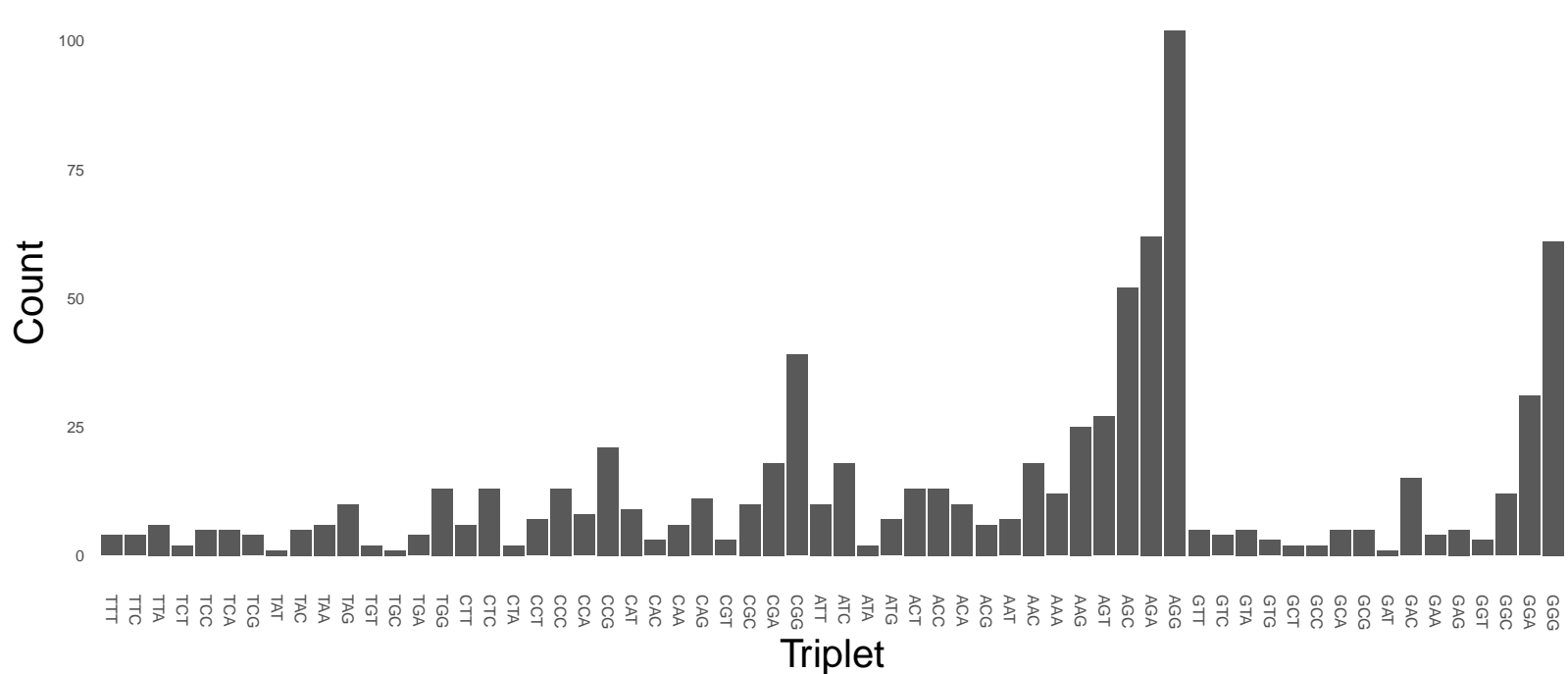
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

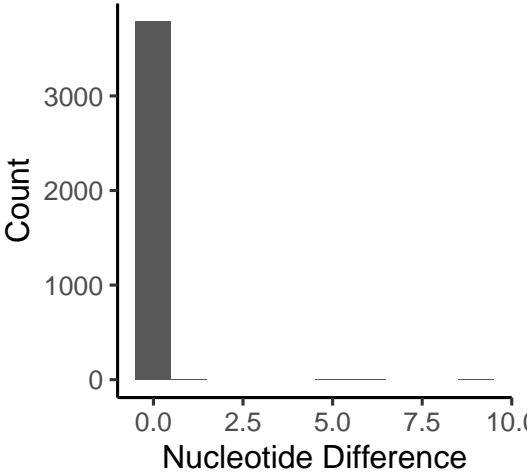


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



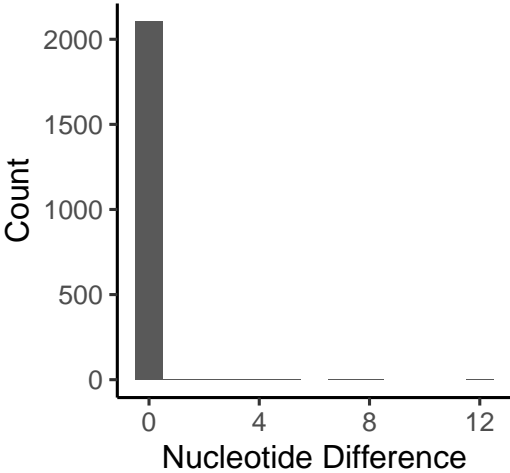
TRBV10-1*ap01

3794 sequences assigned
3788 (99.8%) exact matches, in which:
3786 unique CDR3
13 unique J



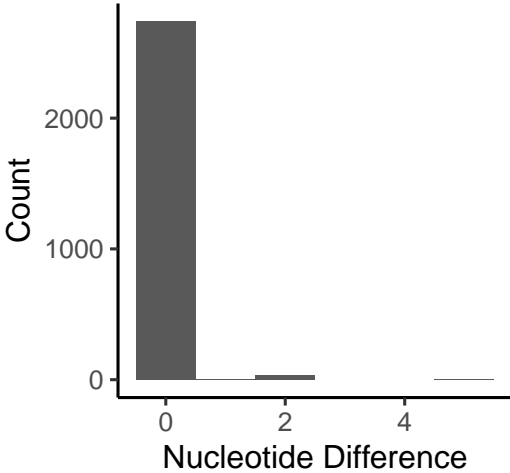
TRBV10-2*ap01

2117 sequences assigned
2105 (99.4%) exact matches, in which:
2104 unique CDR3
12 unique J



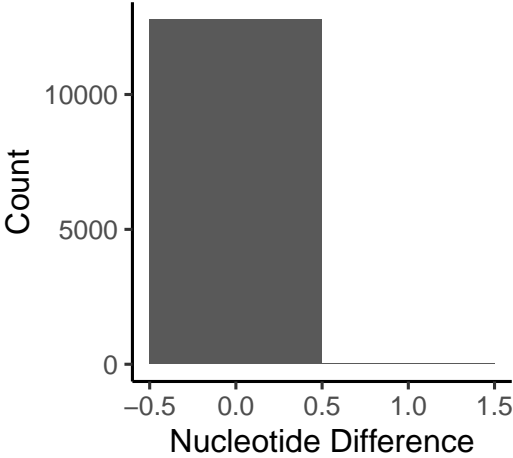
TRBV13*ap01

2782 sequences assigned
2740 (98.5%) exact matches, in which:
2736 unique CDR3
12 unique J



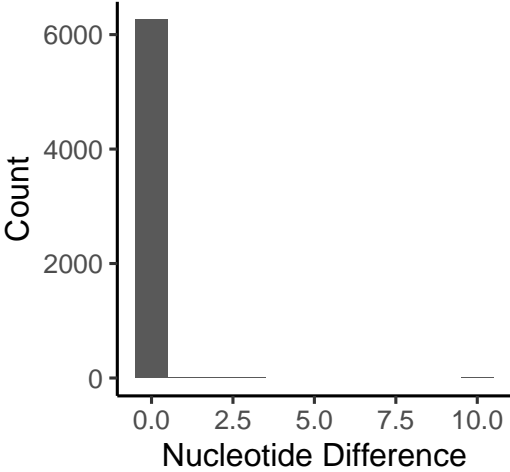
TRBV20-1*ap01

12806 sequences assigned
12781 (99.8%) exact matches, in which:
12777 unique CDR3
13 unique J



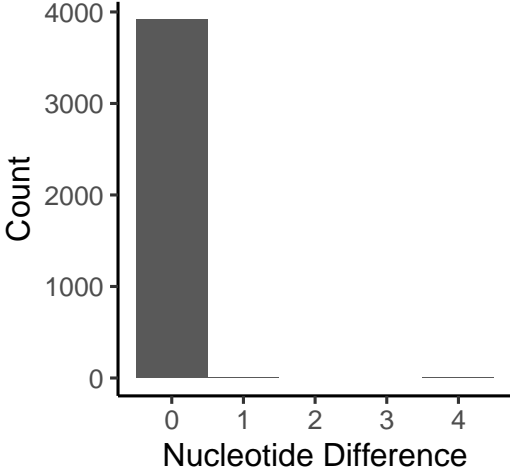
TRBV10-3*ap01

6275 sequences assigned
6260 (99.8%) exact matches, in which:
6259 unique CDR3
12 unique J



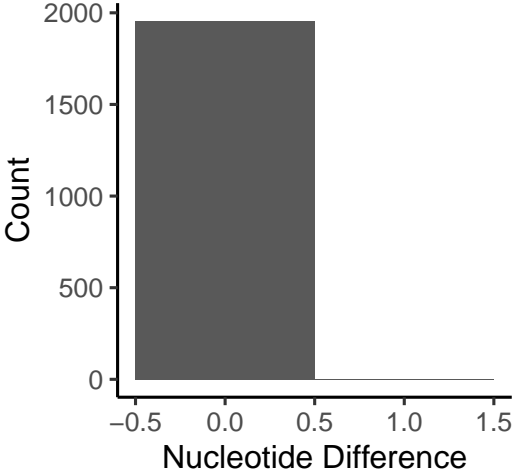
TRBV14*ap01

3920 sequences assigned
3915 (99.9%) exact matches, in which:
3915 unique CDR3
12 unique J



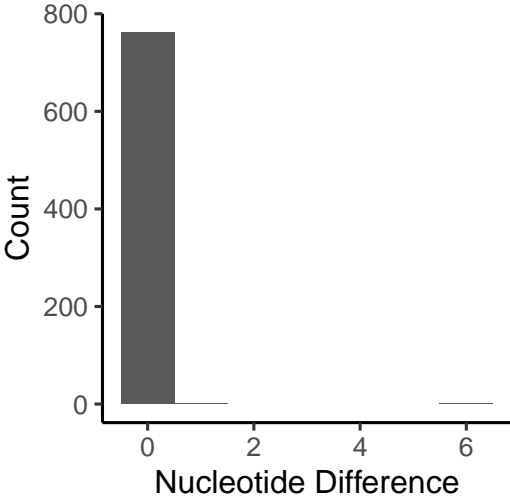
TRBV20-1*ap02

1958 sequences assigned
1955 (99.8%) exact matches, in which:
1953 unique CDR3
12 unique J



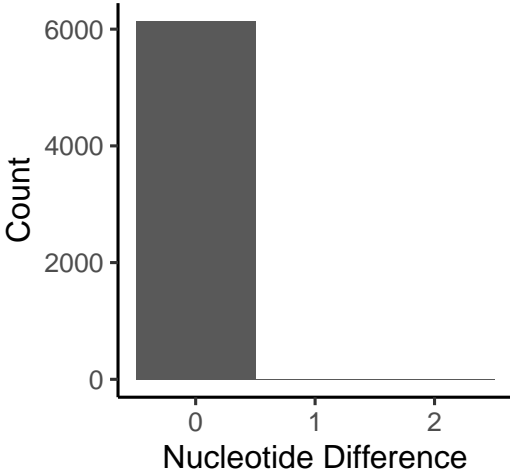
TRBV1*ap01

765 sequences assigned
762 (99.6%) exact matches, in which:
762 unique CDR3
12 unique J



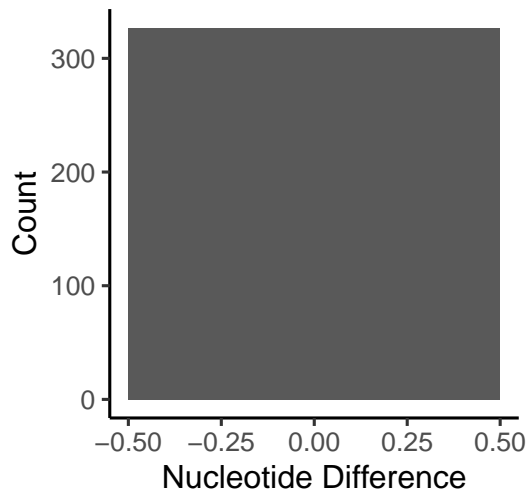
TRBV15*ap02

6144 sequences assigned
6139 (99.9%) exact matches, in which:
6137 unique CDR3
12 unique J



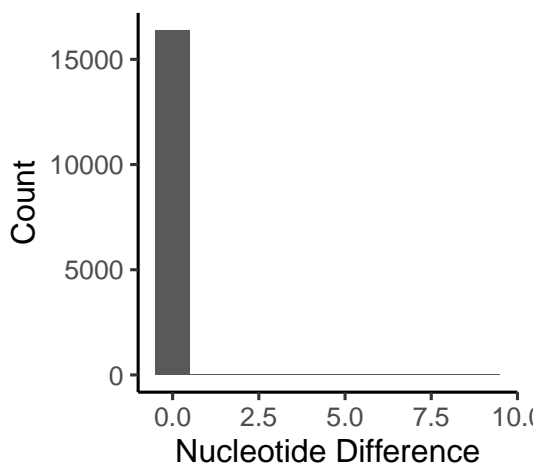
TRBV16*ap01

327 sequences assigned
327 (100%) exact matches, in which:
327 unique CDR3
12 unique J



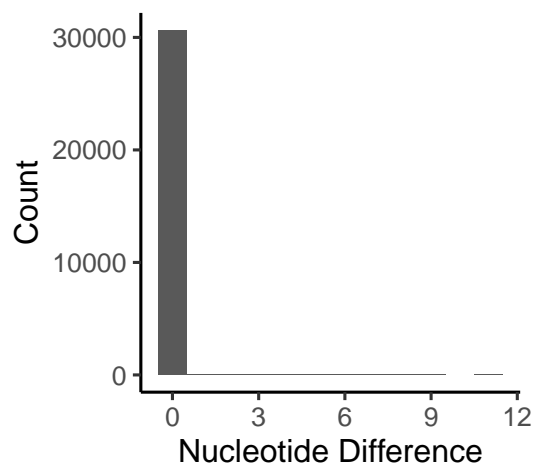
TRBV19*ap01

16442 sequences assigned
16387 (99.7%) exact matches, in which:
16387 unique CDR3
12 unique J



TRBV27*ap01

30752 sequences assigned
30646 (99.7%) exact matches, in which:
30580 unique CDR3
13 unique J



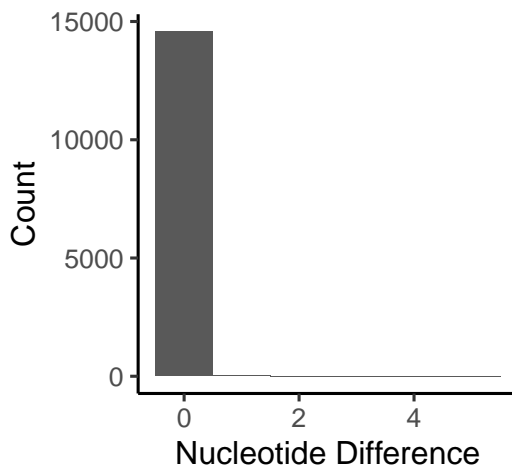
TRBV17*ap01

1 sequences assigned
No exact matches.



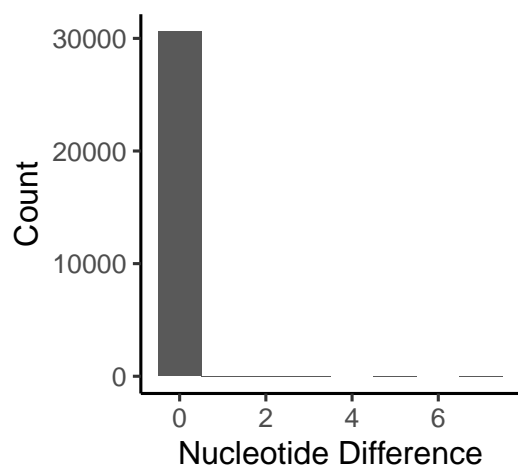
TRBV2*ap01

14615 sequences assigned
14579 (99.8%) exact matches, in which:
14555 unique CDR3
13 unique J



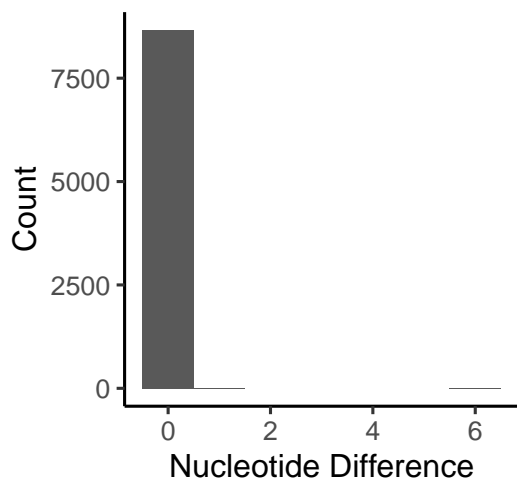
TRBV28*ap01

30668 sequences assigned
30614 (99.8%) exact matches, in which:
30606 unique CDR3
13 unique J



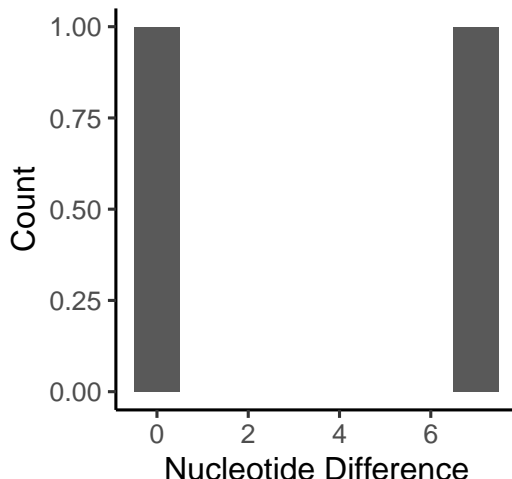
TRBV18*ap01

8672 sequences assigned
8664 (99.9%) exact matches, in which:
8664 unique CDR3
12 unique J



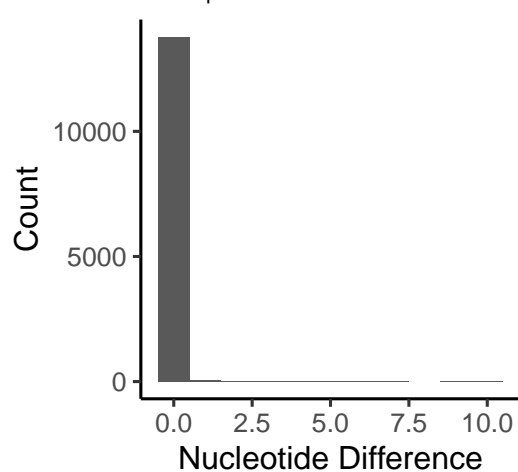
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



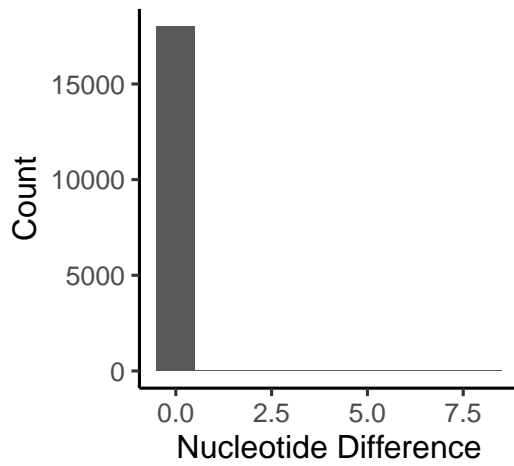
TRBV30*ap01

13840 sequences assigned
13780 (99.6%) exact matches, in which:
13746 unique CDR3
13 unique J



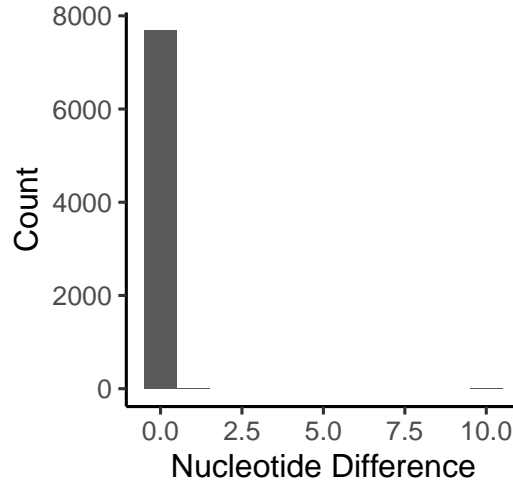
TRBV9*ap01

18061 sequences assigned
18022 (99.8%) exact matches, in which:
18015 unique CDR3
13 unique J



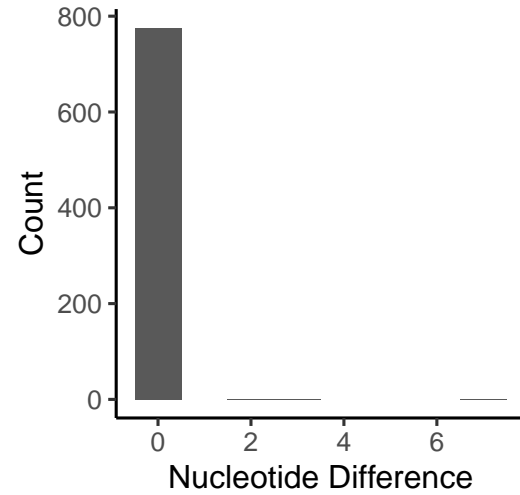
TRBV11-2*ap01

7695 sequences assigned
7687 (99.9%) exact matches, in which:
7687 unique CDR3
13 unique J



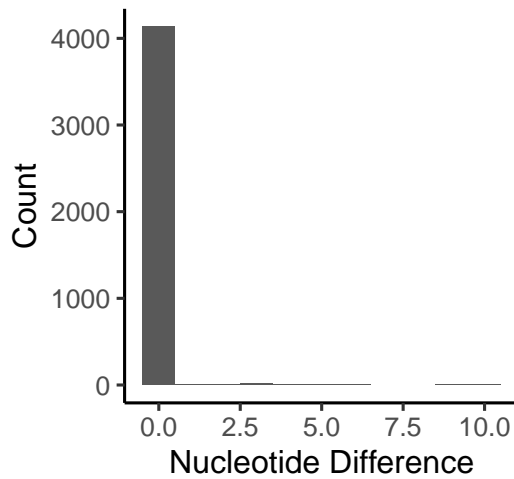
TRBV12-2*ap01

779 sequences assigned
776 (99.6%) exact matches, in which:
776 unique CDR3
12 unique J



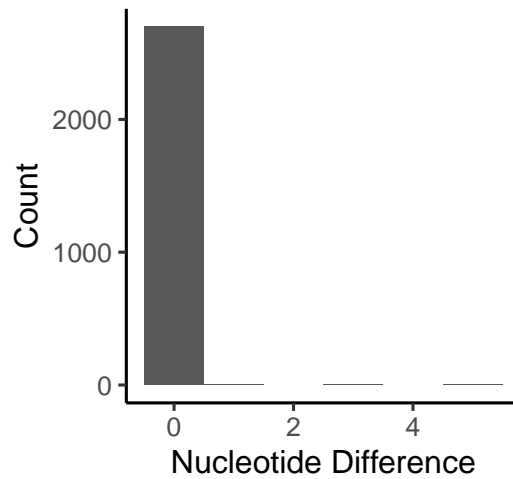
TRBV21-1*ap01

4171 sequences assigned
4134 (99.1%) exact matches, in which:
4134 unique CDR3
12 unique J



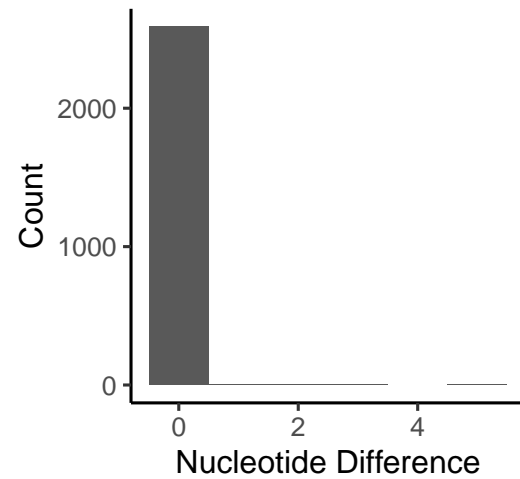
TRBV11-3*ap01

2706 sequences assigned
2698 (99.7%) exact matches, in which:
2698 unique CDR3
13 unique J



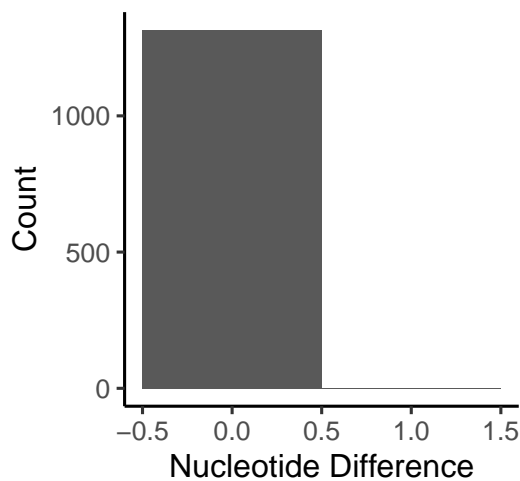
TRBV12-5*ap01

2596 sequences assigned
2589 (99.7%) exact matches, in which:
2589 unique CDR3
12 unique J



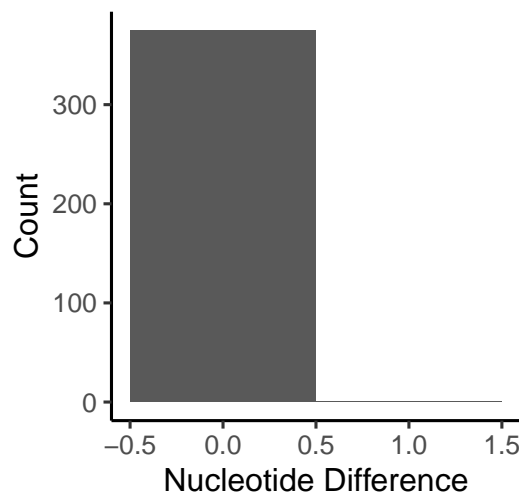
TRBV11-1*ap01

1317 sequences assigned
1315 (99.8%) exact matches, in which:
1315 unique CDR3
12 unique J



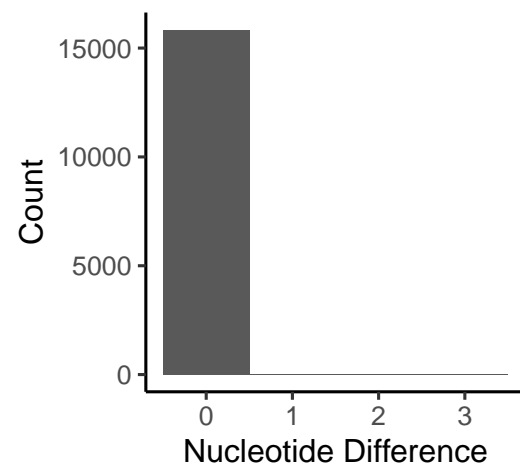
TRBV12-1*ap01

376 sequences assigned
375 (99.7%) exact matches, in which:
375 unique CDR3
12 unique J



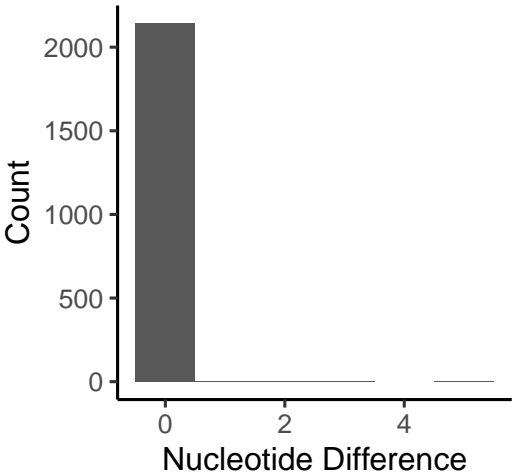
TRBV12-34*ap01

15864 sequences assigned
15840 (99.8%) exact matches, in which:
15837 unique CDR3
13 unique J



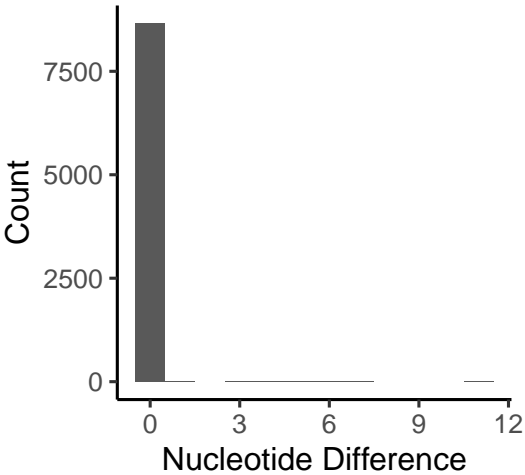
TRBV23-1*ap01

2151 sequences assigned
2142 (99.6%) exact matches, in which:
2142 unique CDR3
12 unique J



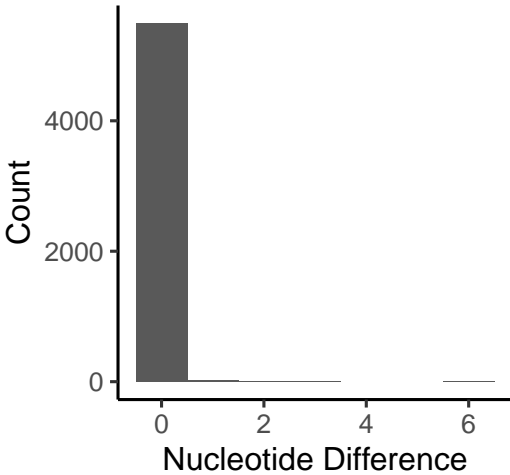
TRBV24-1*ap01

8682 sequences assigned
8657 (99.7%) exact matches, in which:
8642 unique CDR3
13 unique J



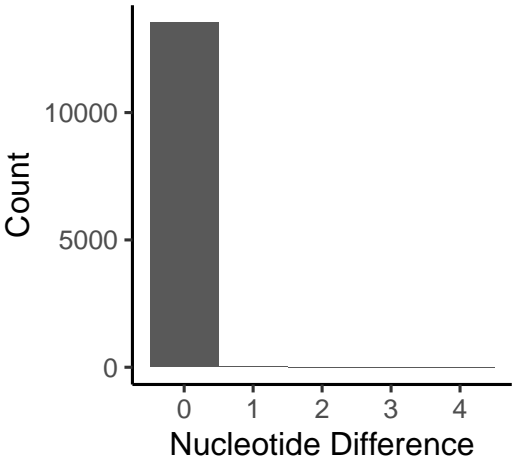
TRBV25-1*ap01

5518 sequences assigned
5493 (99.5%) exact matches, in which:
5478 unique CDR3
13 unique J



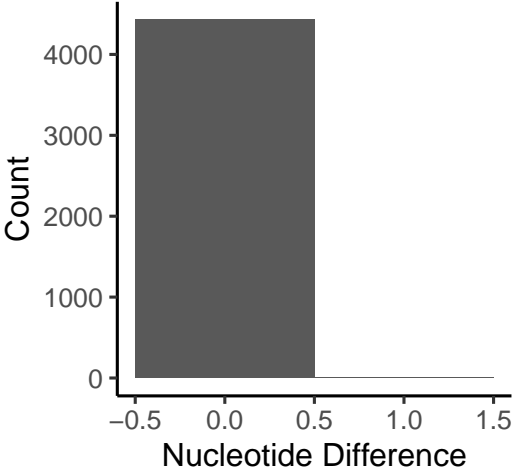
TRBV3-12*ap01

13579 sequences assigned
13538 (99.7%) exact matches, in which:
13517 unique CDR3
13 unique J



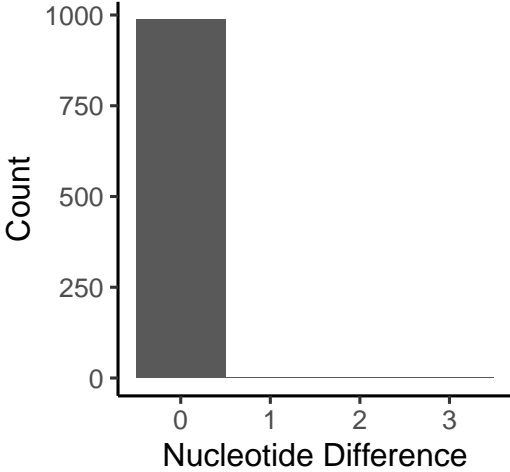
TRBV4-2*ap01

4441 sequences assigned
4429 (99.7%) exact matches, in which:
4428 unique CDR3
13 unique J



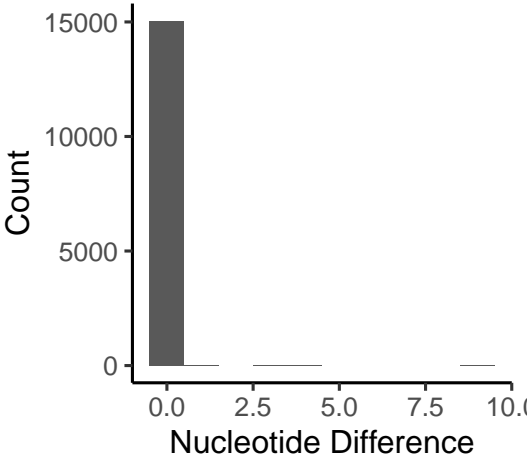
TRBV5-3*ap01

991 sequences assigned
987 (99.6%) exact matches, in which:
987 unique CDR3
12 unique J



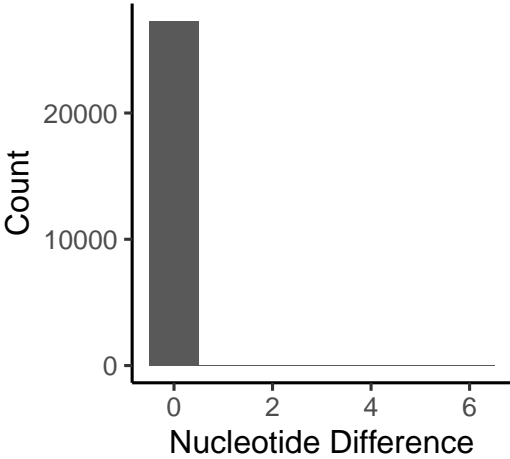
TRBV4-1*ap01

15074 sequences assigned
15050 (99.8%) exact matches, in which:
15043 unique CDR3
13 unique J



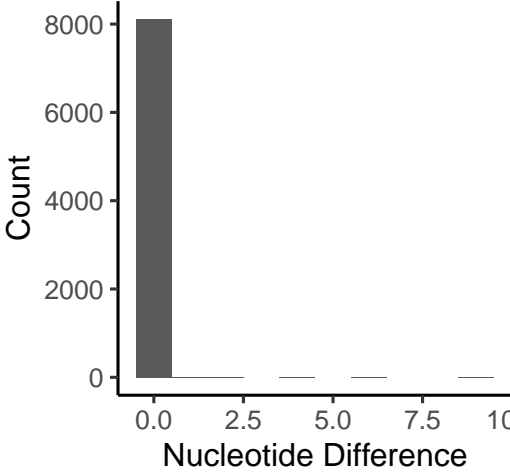
TRBV5-1*ap01

27339 sequences assigned
27302 (99.9%) exact matches, in which:
27277 unique CDR3
14 unique J



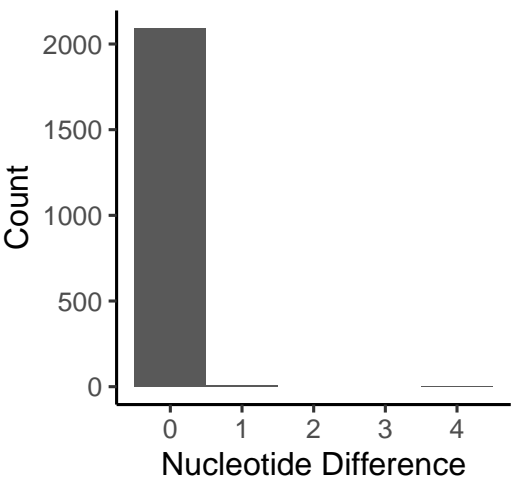
TRBV5-4*ap01

8126 sequences assigned
8114 (99.9%) exact matches, in which:
8113 unique CDR3
12 unique J



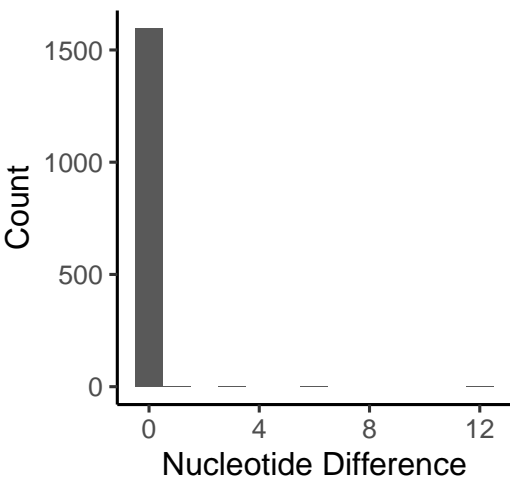
TRBV5-5*ap01

2101 sequences assigned
2091 (99.5%) exact matches, in which:
2089 unique CDR3
13 unique J



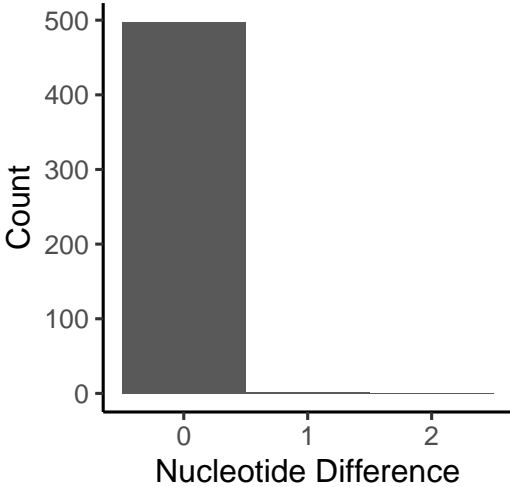
TRBV5-8*ap01

1603 sequences assigned
1596 (99.6%) exact matches, in which:
1596 unique CDR3
12 unique J



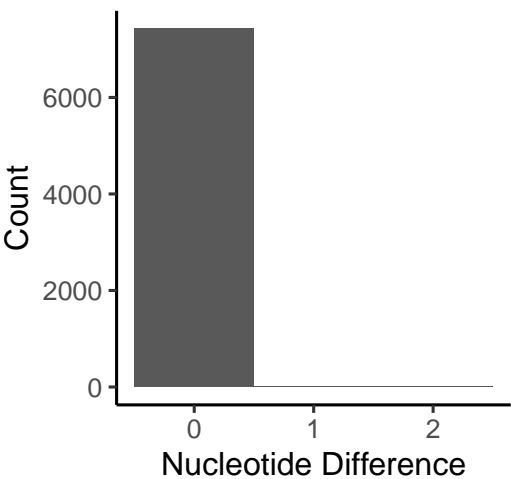
TRBV6-7*ap01

501 sequences assigned
498 (99.4%) exact matches, in which:
498 unique CDR3
12 unique J



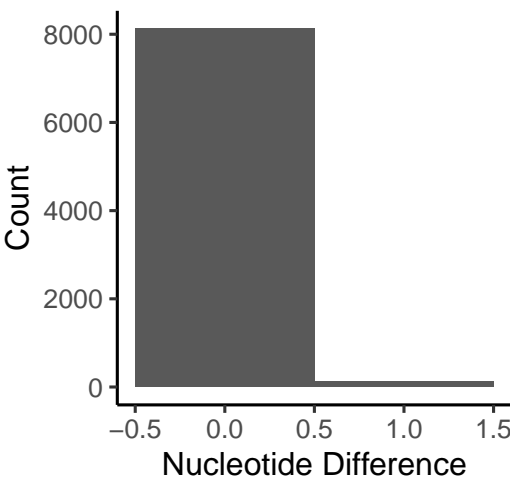
TRBV5-6*ap01

7440 sequences assigned
7424 (99.8%) exact matches, in which:
7407 unique CDR3
13 unique J



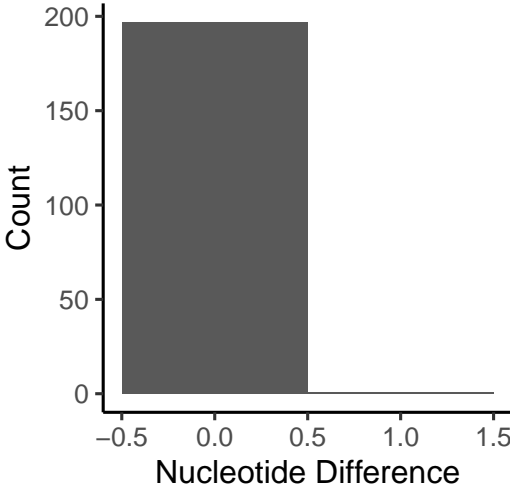
TRBV6-1*ap01

8248 sequences assigned
8125 (98.5%) exact matches, in which:
8119 unique CDR3
13 unique J



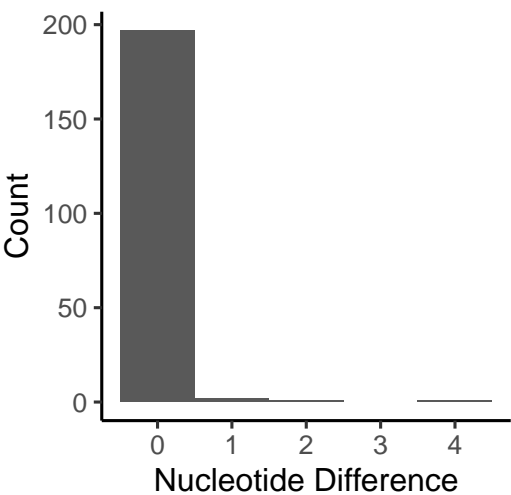
TRBV6-8*ap01

198 sequences assigned
197 (99.5%) exact matches, in which:
197 unique CDR3
12 unique J



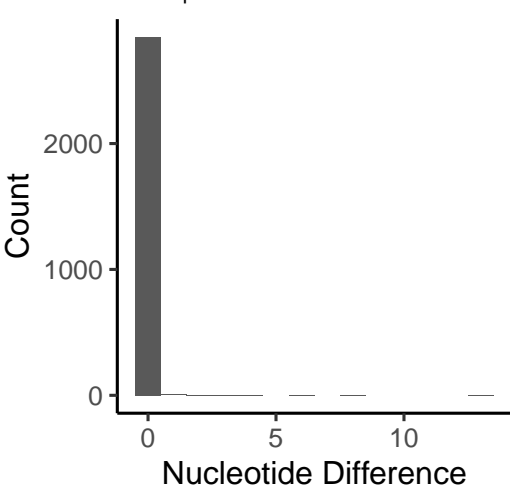
TRBV5-7*ap01

201 sequences assigned
197 (98%) exact matches, in which:
197 unique CDR3
12 unique J



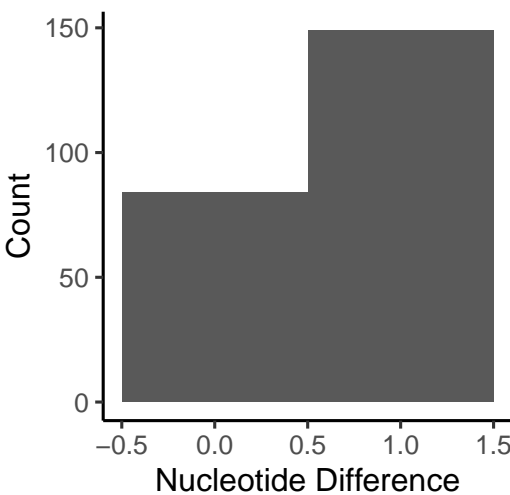
TRBV6-4*ap01

2863 sequences assigned
2846 (99.4%) exact matches, in which:
2845 unique CDR3
13 unique J



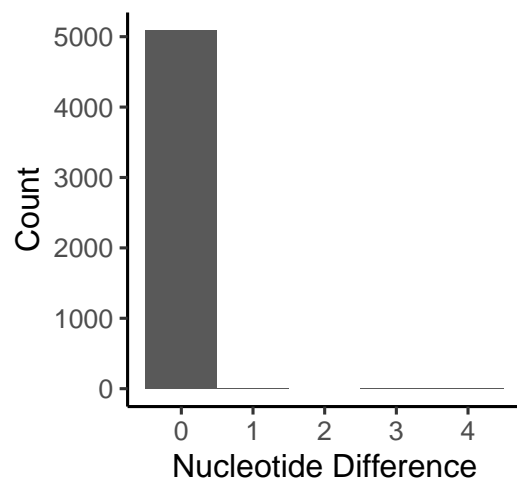
TRBV6-9*ap01

233 sequences assigned
84 (36.1%) exact matches, in which:
84 unique CDR3
12 unique J



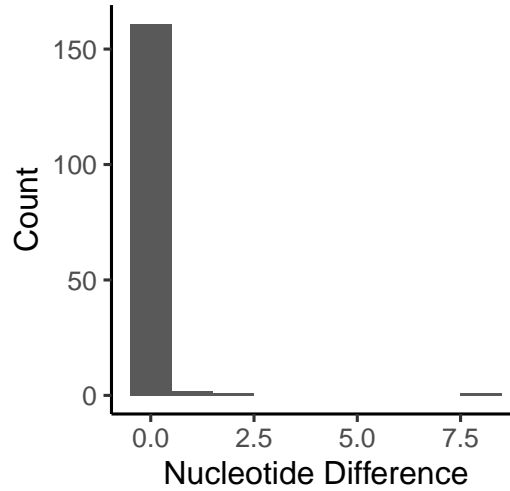
TRBV6-23*ap01

5101 sequences assigned
5089 (99.8%) exact matches, in which:
5084 unique CDR3
13 unique J



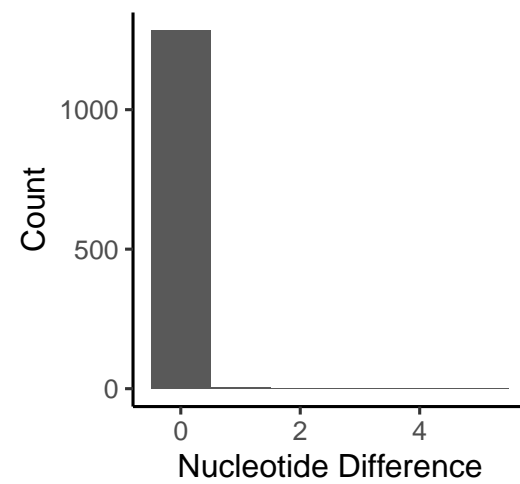
TRBV7-1*ap01_G291C_

165 sequences assigned
161 (97.6%) exact matches, in which:
161 unique CDR3
12 unique J



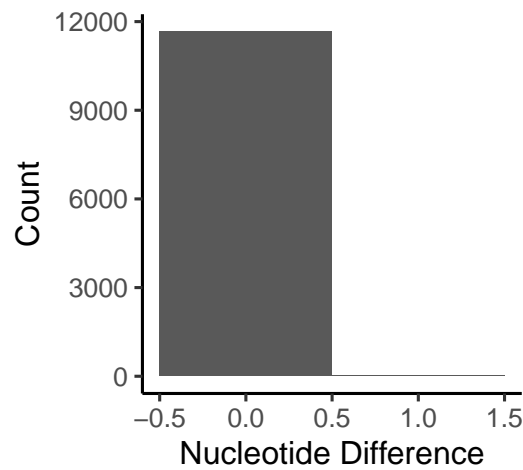
TRBV7-3*ap01_G292T

1295 sequences assigned
1284 (99.2%) exact matches, in which:
1284 unique CDR3
12 unique J



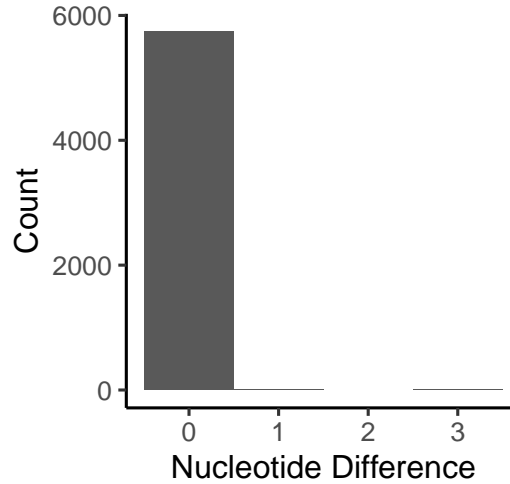
TRBV6-56*ap01

11690 sequences assigned
11666 (99.8%) exact matches, in which:
11660 unique CDR3
13 unique J



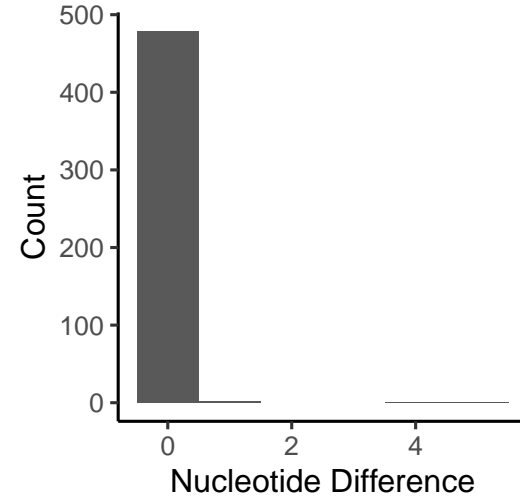
TRBV7-2*ap01

5748 sequences assigned
5739 (99.8%) exact matches, in which:
5737 unique CDR3
12 unique J



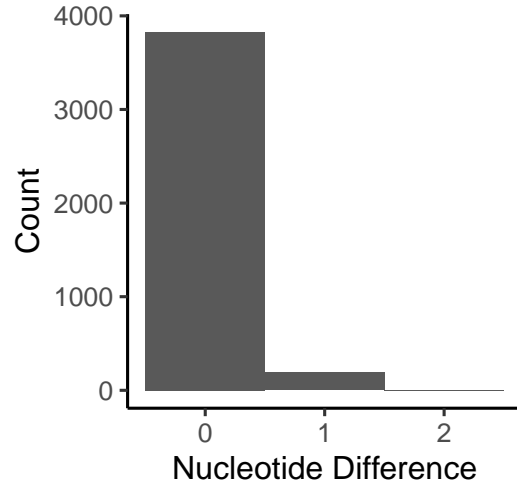
TRBV7-4*ap01

483 sequences assigned
479 (99.2%) exact matches, in which:
478 unique CDR3
12 unique J



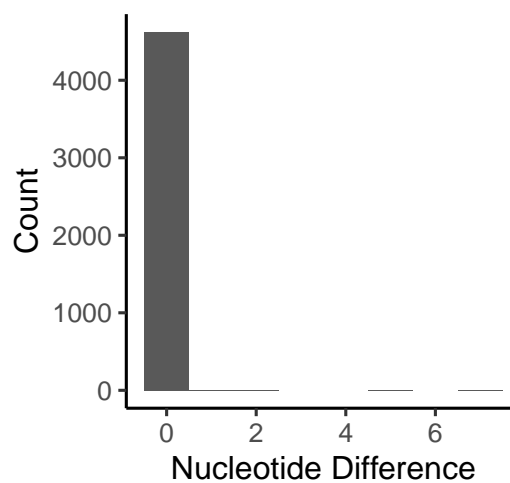
TRBV6-56*ap02

4020 sequences assigned
3827 (95.2%) exact matches, in which:
3826 unique CDR3
13 unique J



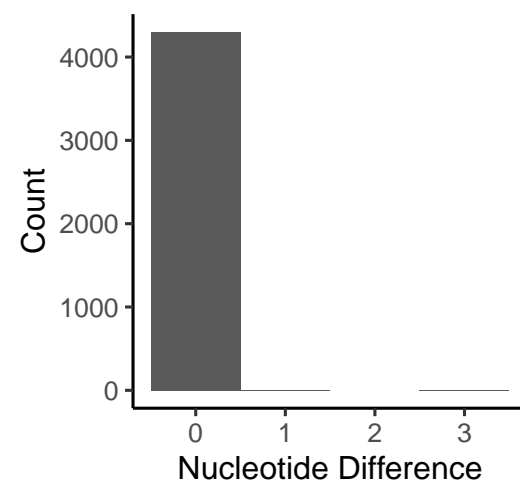
TRBV7-3*ap01

4633 sequences assigned
4622 (99.8%) exact matches, in which:
4622 unique CDR3
12 unique J



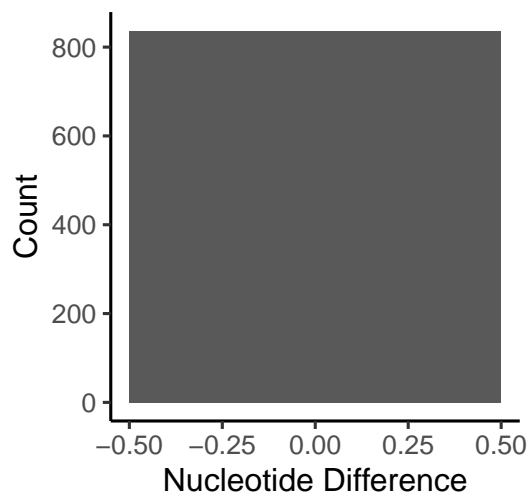
TRBV7-6*ap01

4303 sequences assigned
4300 (99.9%) exact matches, in which:
4300 unique CDR3
13 unique J



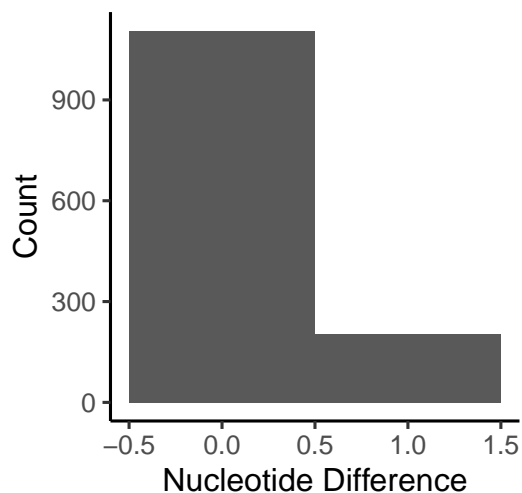
TRBV7-7*ap01

837 sequences assigned
837 (100%) exact matches, in which:
836 unique CDR3
12 unique J



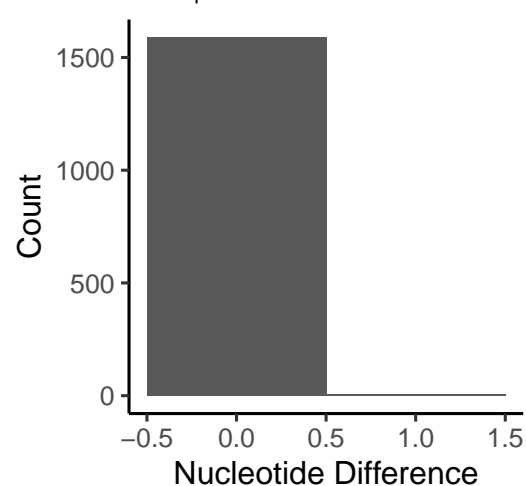
TRBV7-8*ap03

1310 sequences assigned
1106 (84.4%) exact matches, in which:
1106 unique CDR3
12 unique J



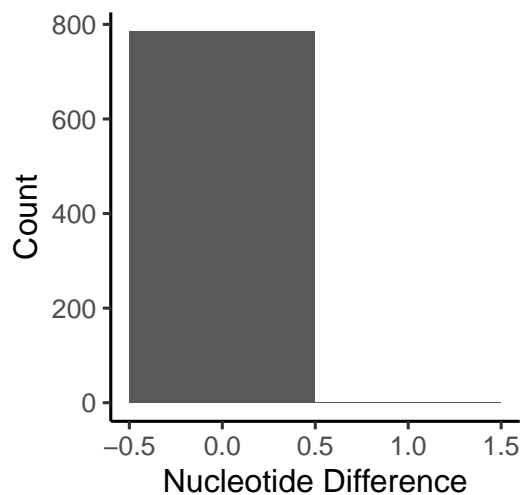
TRBV29-1*ap02

1596 sequences assigned
1589 (99.6%) exact matches, in which:
1586 unique CDR3
12 unique J



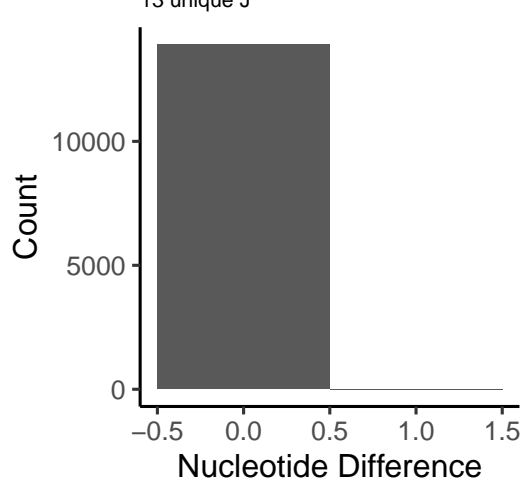
TRBV7-7*ap01_C315T

788 sequences assigned
786 (99.7%) exact matches, in which:
786 unique CDR3
12 unique J



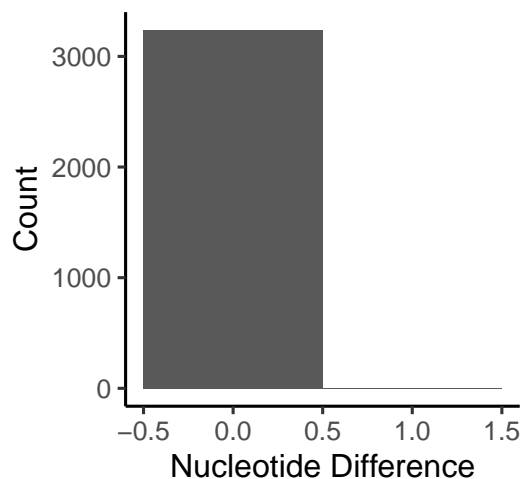
TRBV7-9*ap01

13920 sequences assigned
13908 (99.9%) exact matches, in which:
13904 unique CDR3
13 unique J



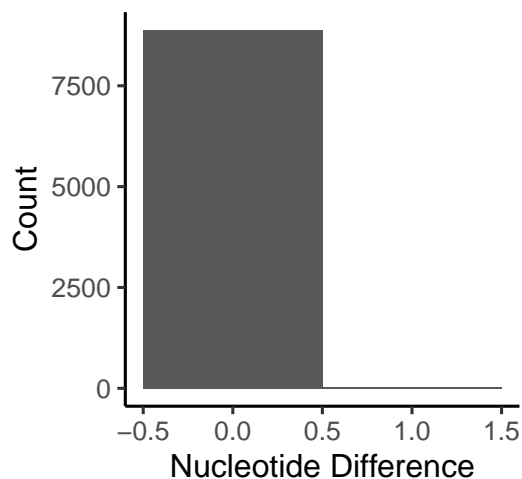
TRBV7-8*ap01

3242 sequences assigned
3238 (99.9%) exact matches, in which:
3238 unique CDR3
12 unique J

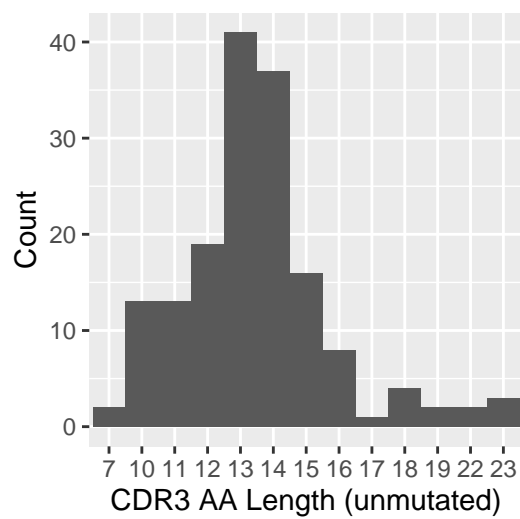


TRBV29-1*ap01

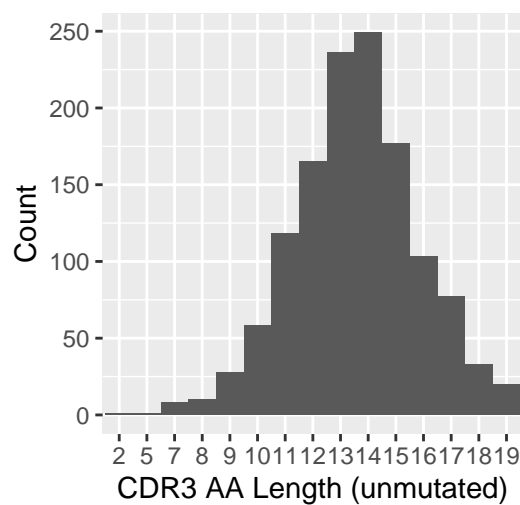
8913 sequences assigned
8882 (99.7%) exact matches, in which:
8868 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T

