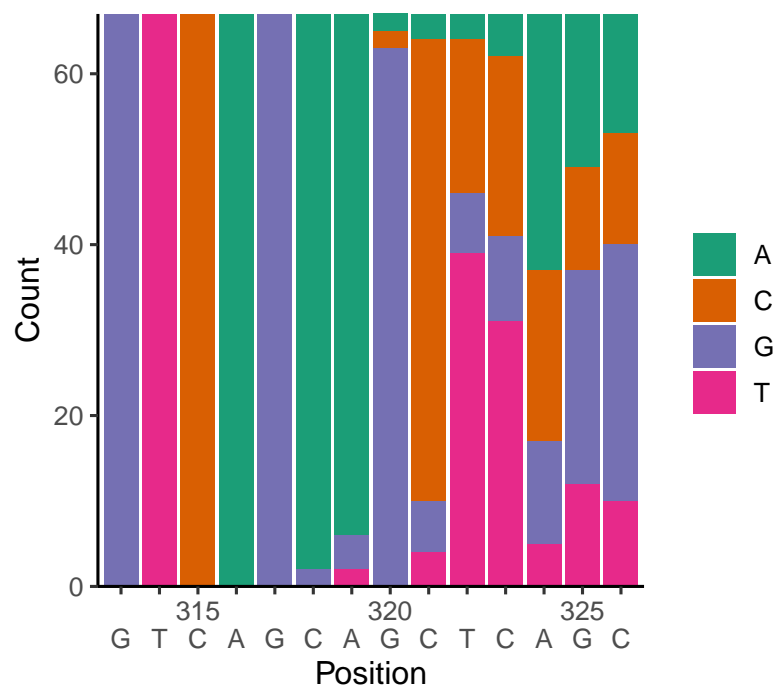
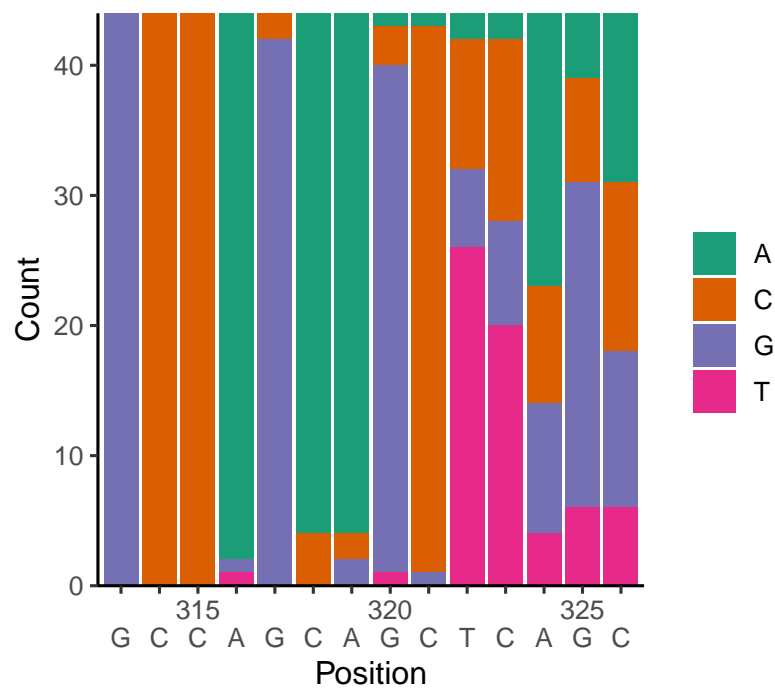


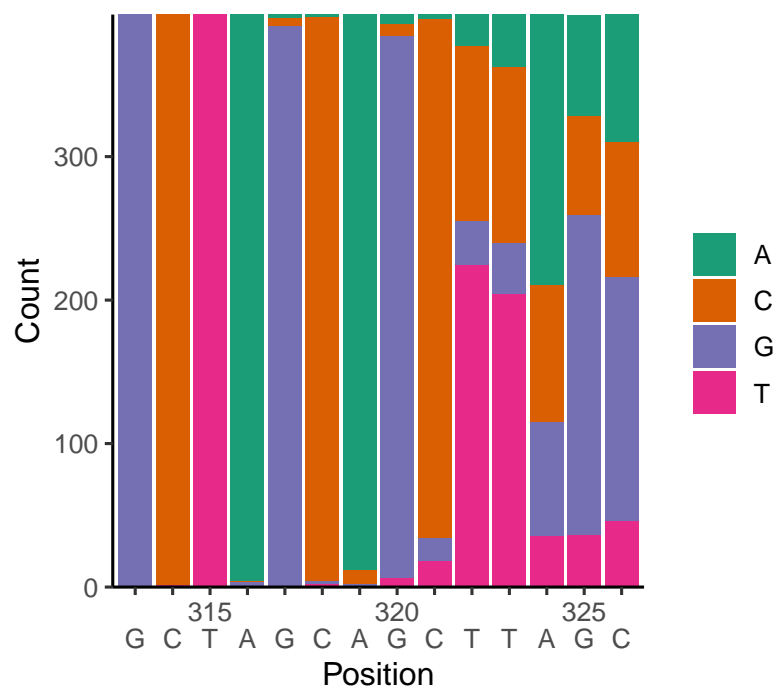
Gene TRBV7-1*ap01_G291C_T296C_C314T



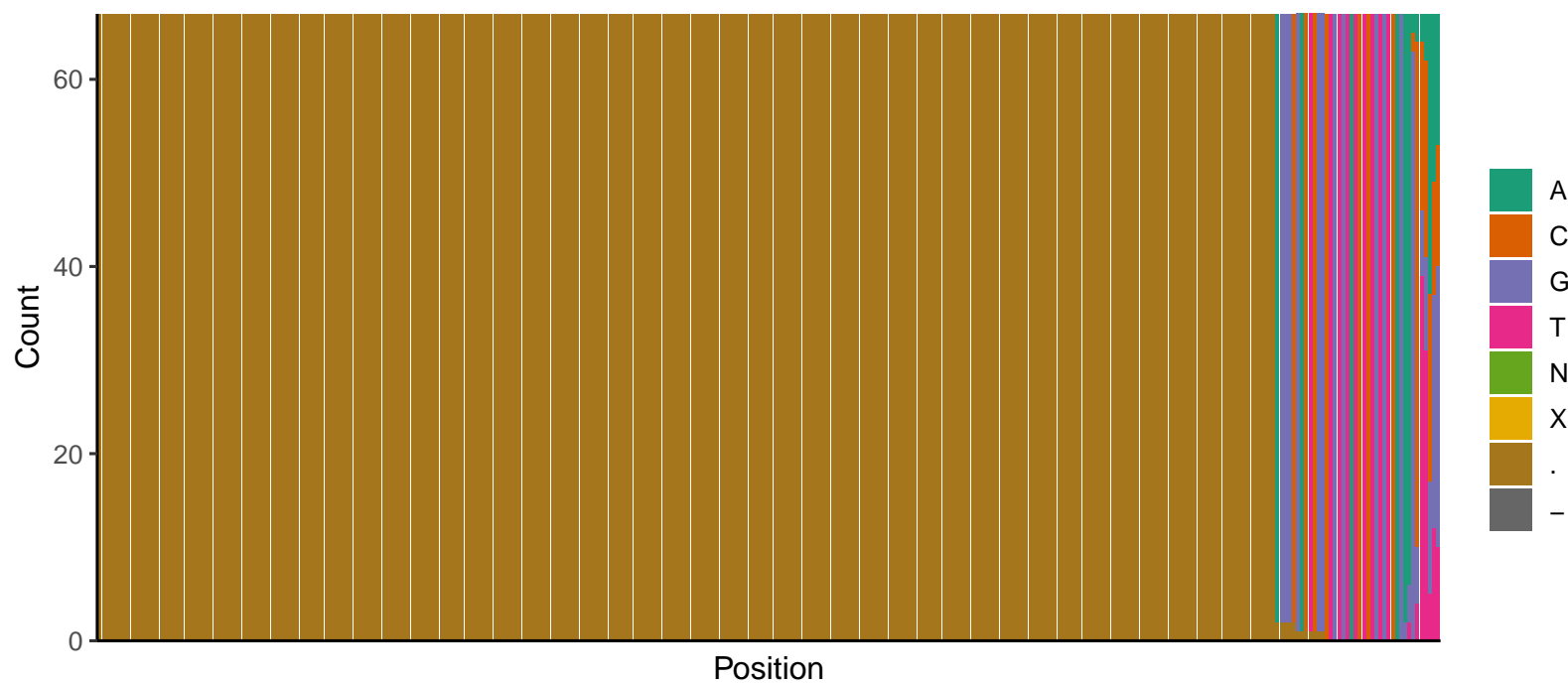
Gene TRBV7-1*ap01_G291C_T296C



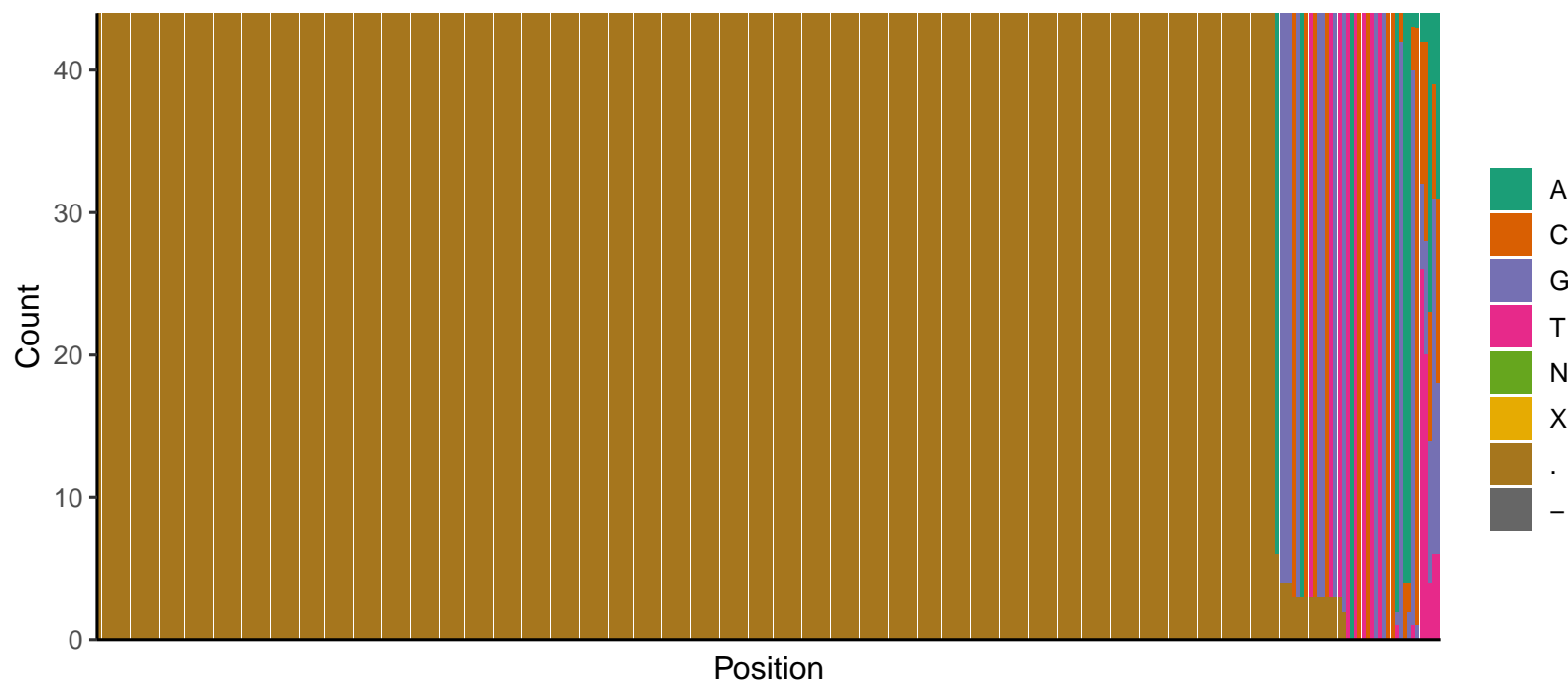
Gene TRBV7-7*ap01_C315T



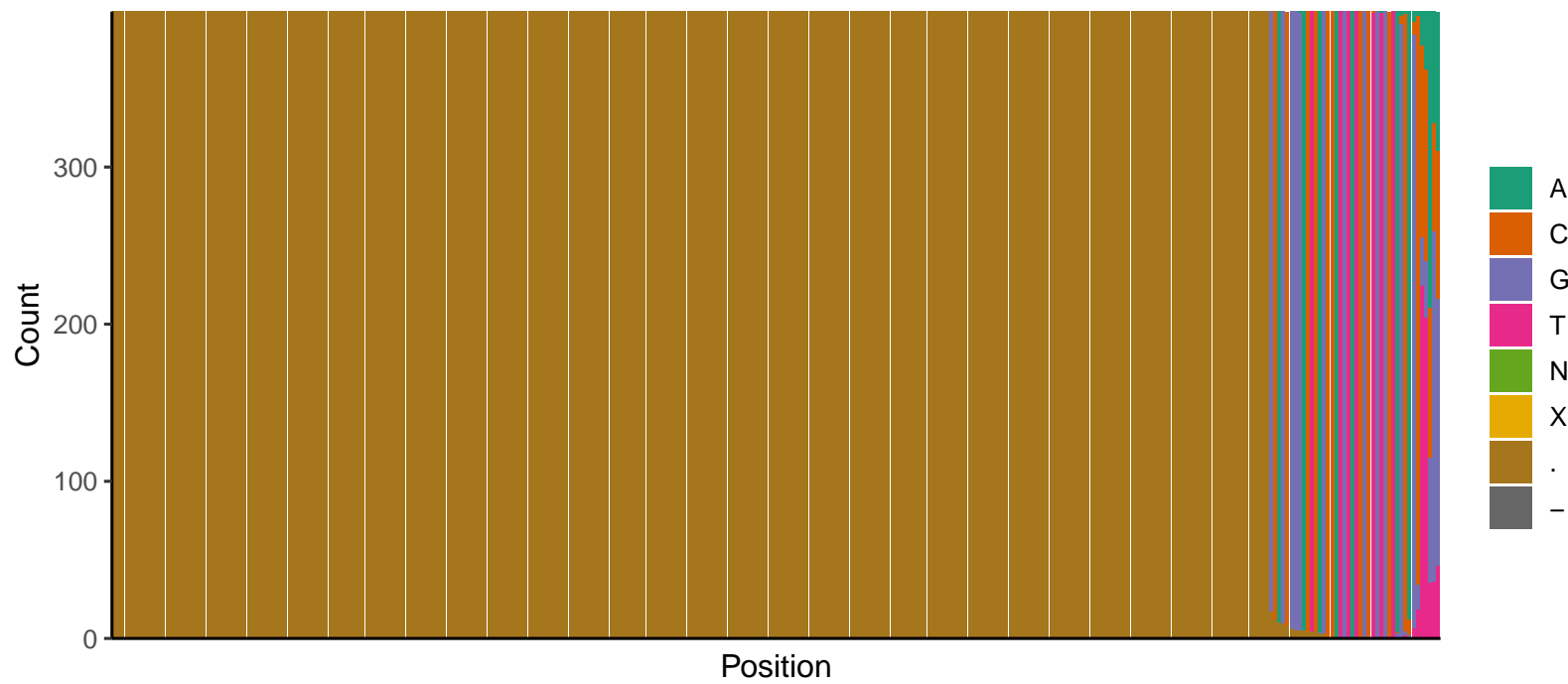
Gene TRBV7-1*ap01_G291C_T296C_C314T



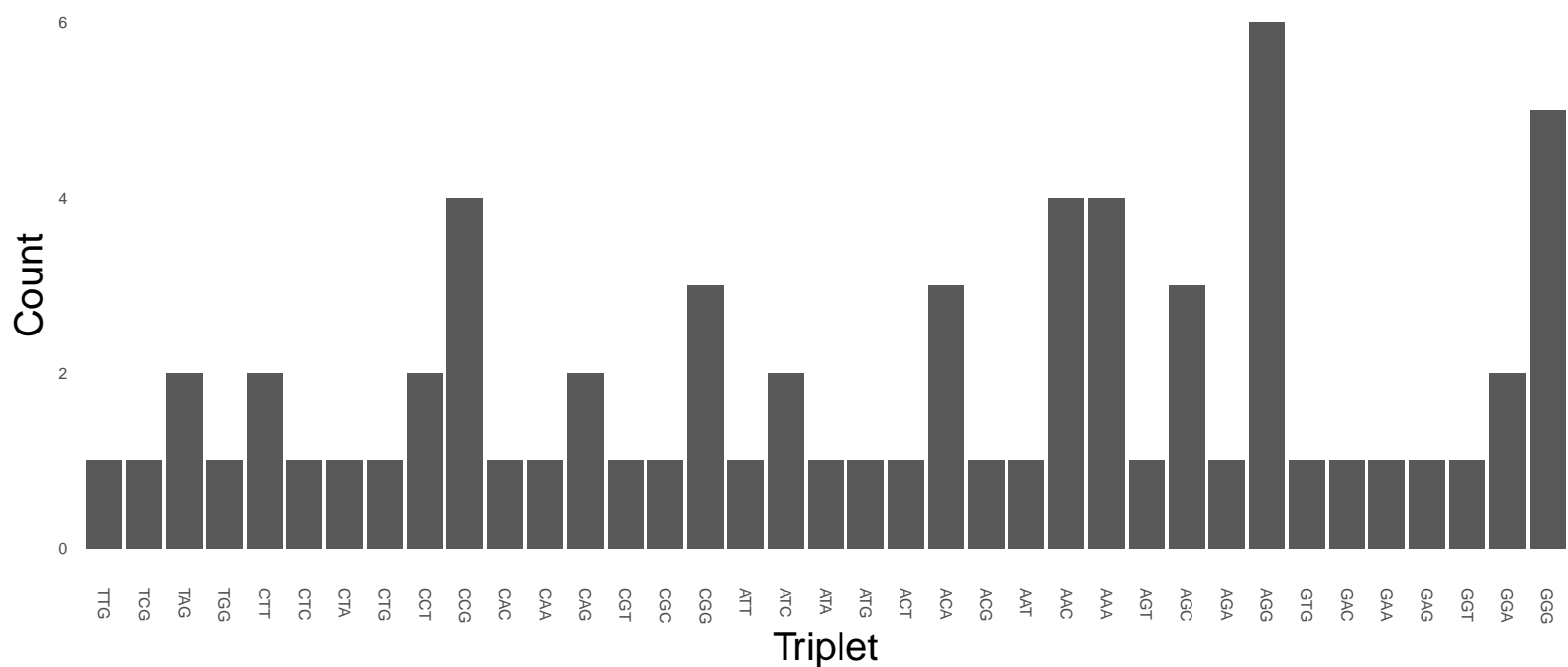
Gene TRBV7-1*ap01_G291C_T296C



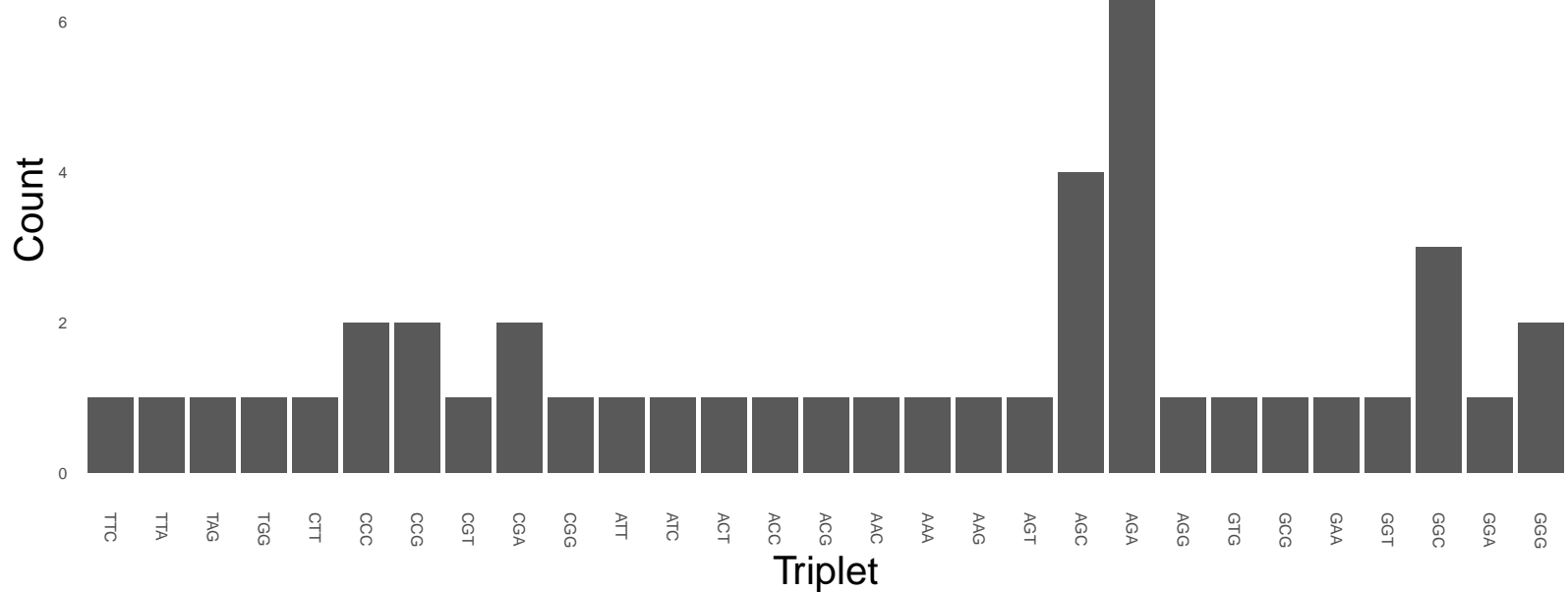
Gene TRBV7-7*ap01_C315T



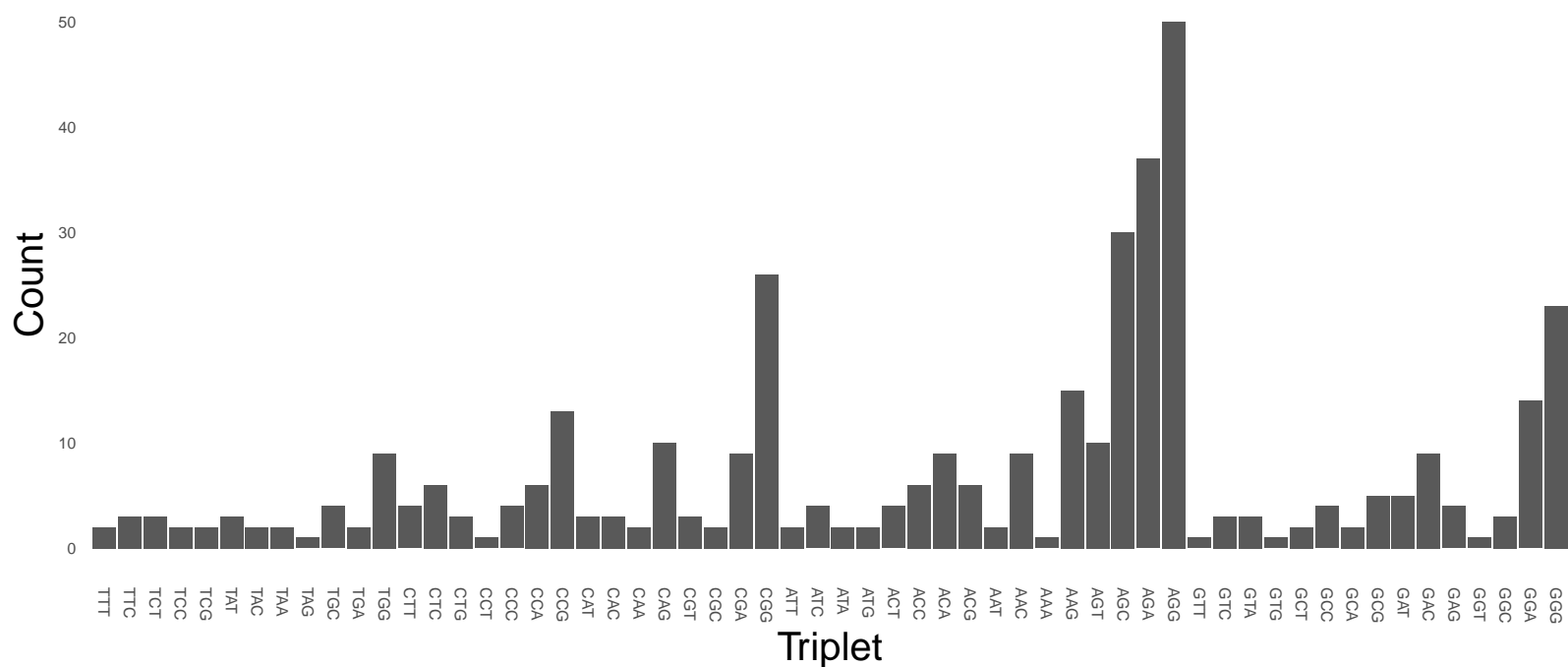
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

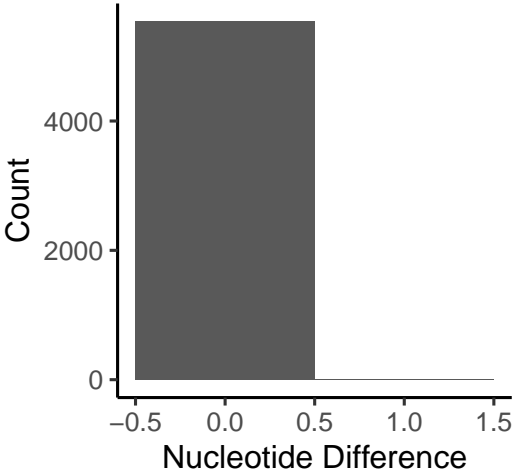


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



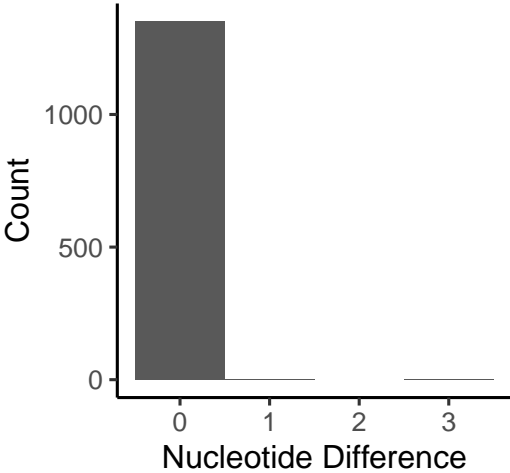
TRBV20–1*ap01

5553 sequences assigned
5540 (99.8%) exact matches, in which:
5528 unique CDR3
13 unique J



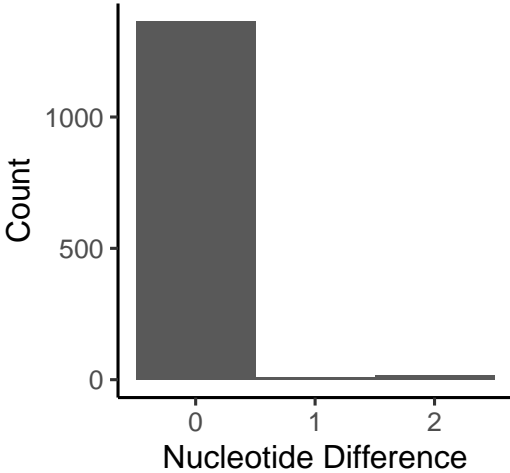
TRBV10–2*ap01

1355 sequences assigned
1351 (99.7%) exact matches, in which:
1351 unique CDR3
13 unique J



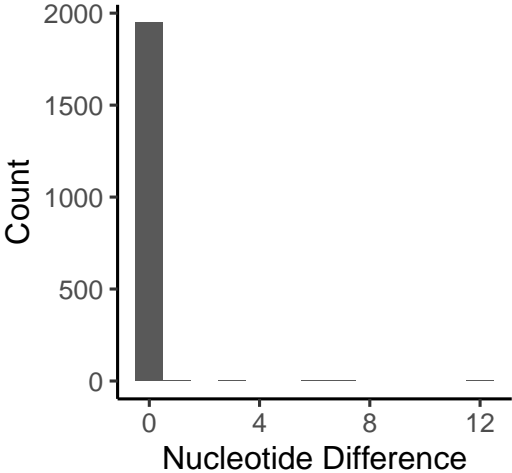
TRBV13*ap01

1388 sequences assigned
1364 (98.3%) exact matches, in which:
1361 unique CDR3
13 unique J



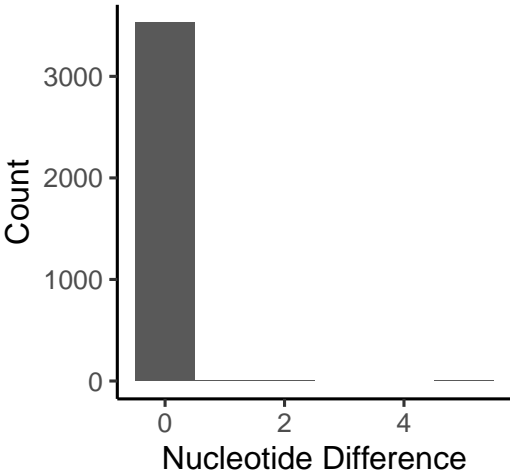
TRBV10–1*ap01

1953 sequences assigned
1948 (99.7%) exact matches, in which:
1948 unique CDR3
13 unique J



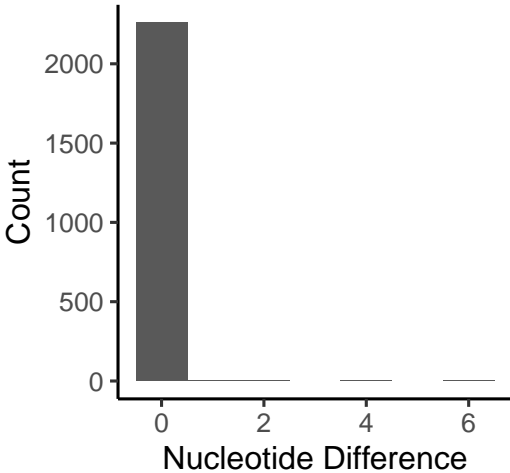
TRBV10–3*ap01

3536 sequences assigned
3528 (99.8%) exact matches, in which:
3527 unique CDR3
13 unique J



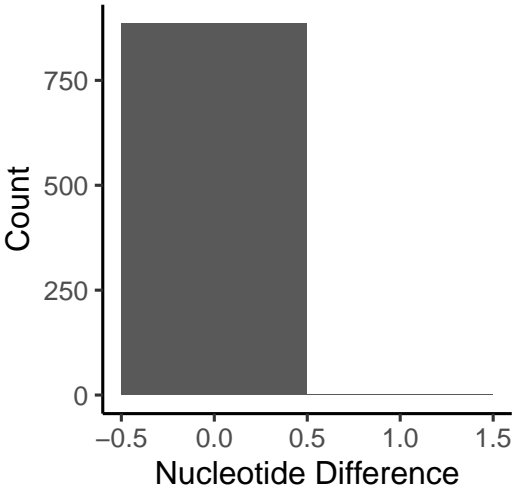
TRBV14*ap01

2267 sequences assigned
2259 (99.6%) exact matches, in which:
2258 unique CDR3
13 unique J



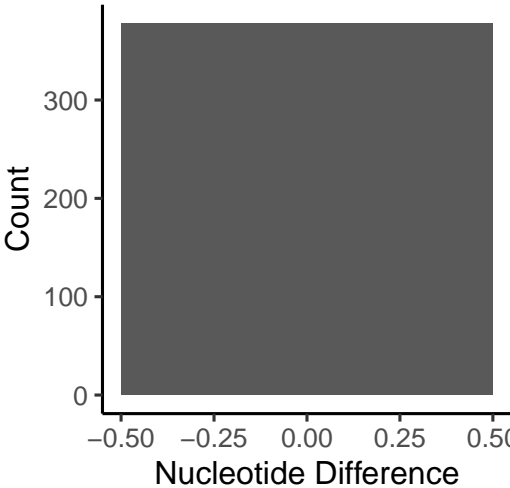
TRBV20–1*ap02

887 sequences assigned
886 (99.9%) exact matches, in which:
884 unique CDR3
13 unique J



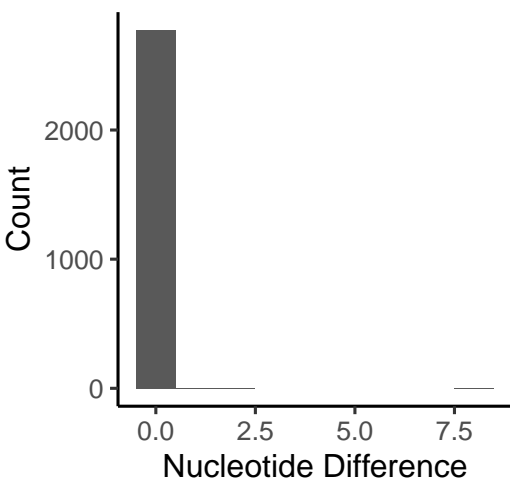
TRBV1*ap01

378 sequences assigned
378 (100%) exact matches, in which:
377 unique CDR3
13 unique J



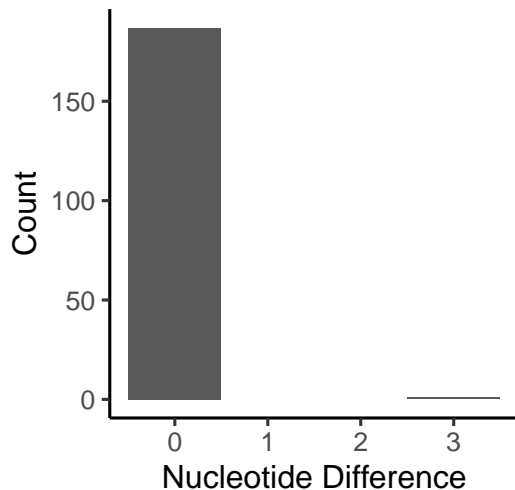
TRBV15*ap02

2778 sequences assigned
2774 (99.9%) exact matches, in which:
2765 unique CDR3
13 unique J



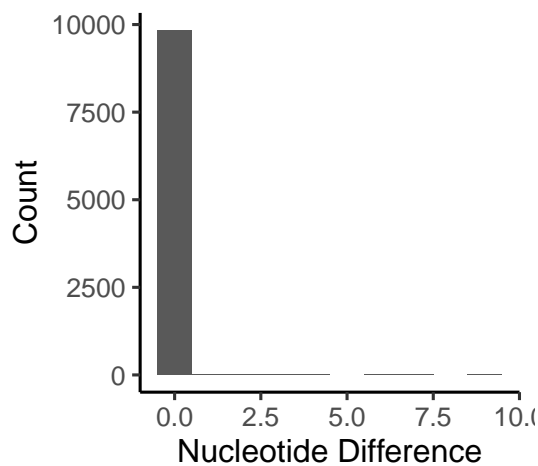
TRBV16*ap01

188 sequences assigned
187 (99.5%) exact matches, in which:
187 unique CDR3
11 unique J



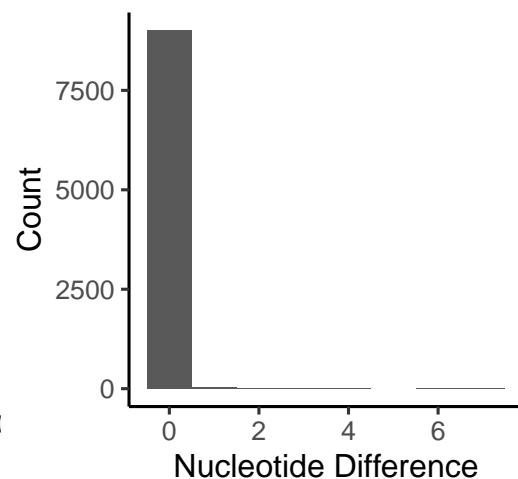
TRBV19*ap01

9861 sequences assigned
9840 (99.8%) exact matches, in which:
9839 unique CDR3
13 unique J



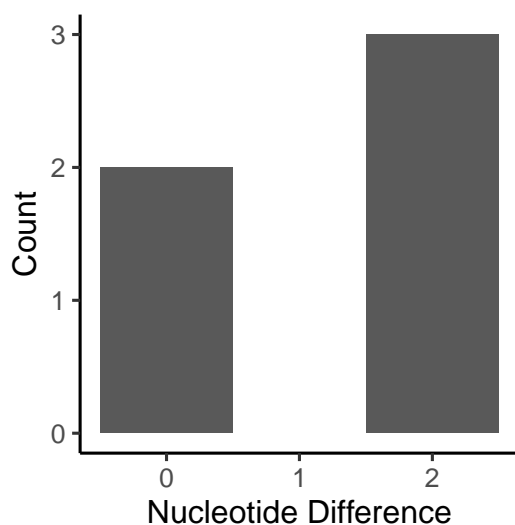
TRBV27*ap01

9041 sequences assigned
9007 (99.6%) exact matches, in which:
8984 unique CDR3
13 unique J



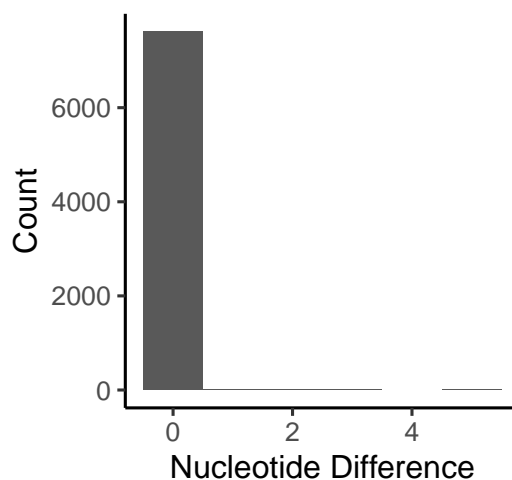
TRBV17*ap01

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
1 unique J



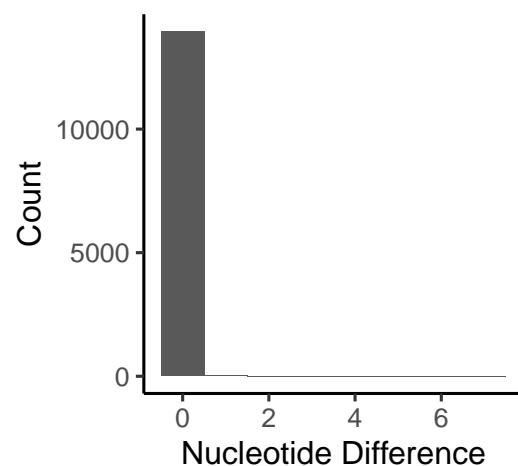
TRBV2*ap01

7641 sequences assigned
7614 (99.6%) exact matches, in which:
7597 unique CDR3
13 unique J



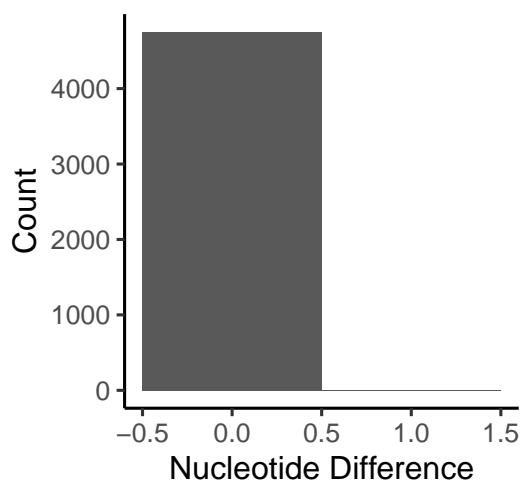
TRBV28*ap01

13985 sequences assigned
13951 (99.8%) exact matches, in which:
13943 unique CDR3
13 unique J



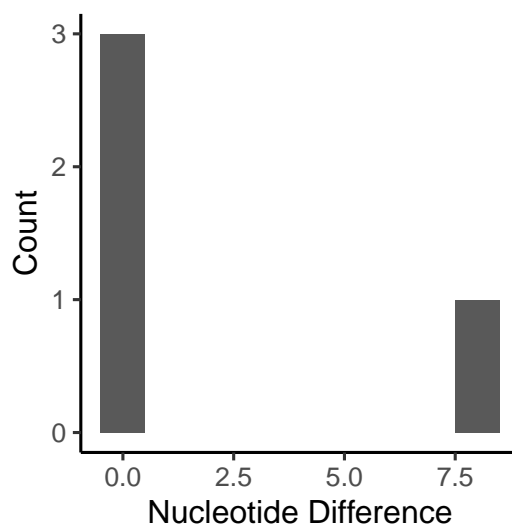
TRBV18*ap01

4757 sequences assigned
4750 (99.9%) exact matches, in which:
4748 unique CDR3
13 unique J



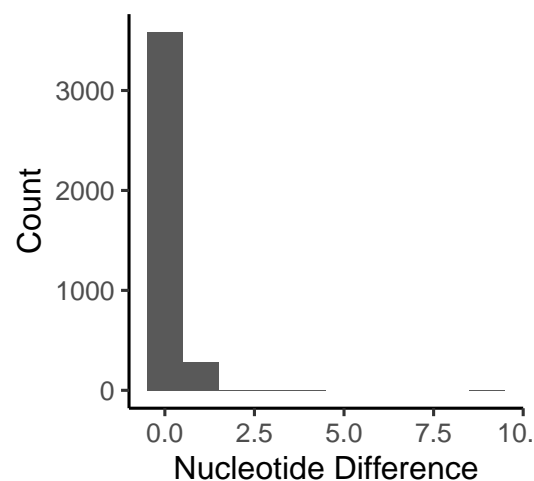
TRBV26*ap01

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
2 unique J



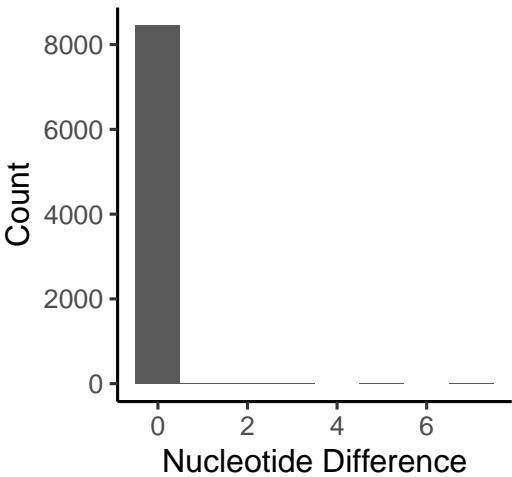
TRBV30*ap01

3877 sequences assigned
3585 (92.5%) exact matches, in which:
3577 unique CDR3
13 unique J



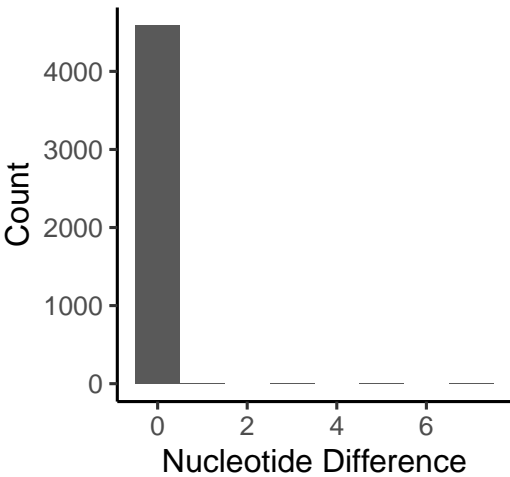
TRBV9*ap01

8481 sequences assigned
8453 (99.7%) exact matches, in which:
8434 unique CDR3
13 unique J



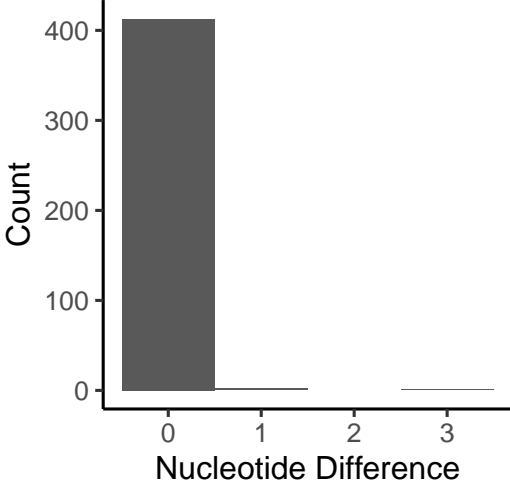
TRBV11-2*ap01

4602 sequences assigned
4589 (99.7%) exact matches, in which:
4586 unique CDR3
13 unique J



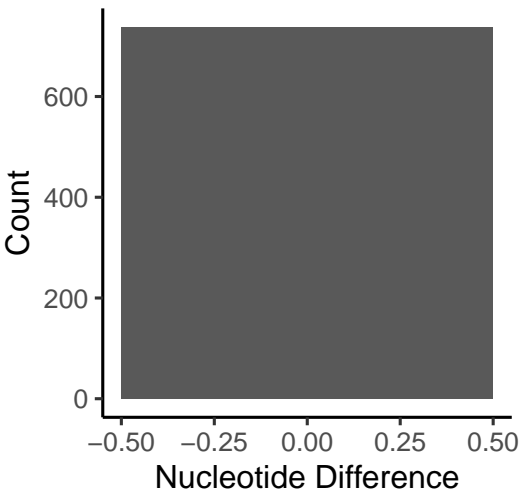
TRBV12-2*ap01

416 sequences assigned
413 (99.3%) exact matches, in which:
412 unique CDR3
13 unique J



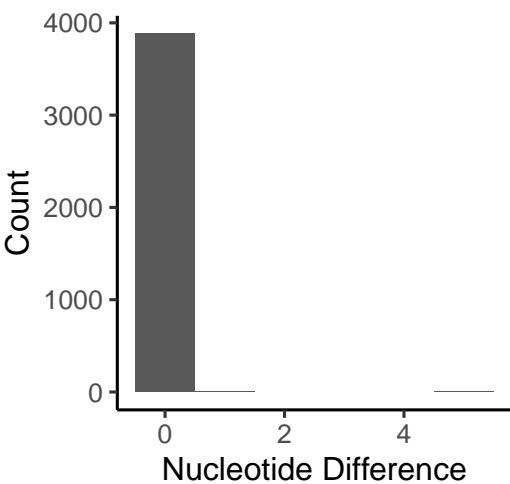
TRBV11-1*ap01

738 sequences assigned
738 (100%) exact matches, in which:
738 unique CDR3
13 unique J



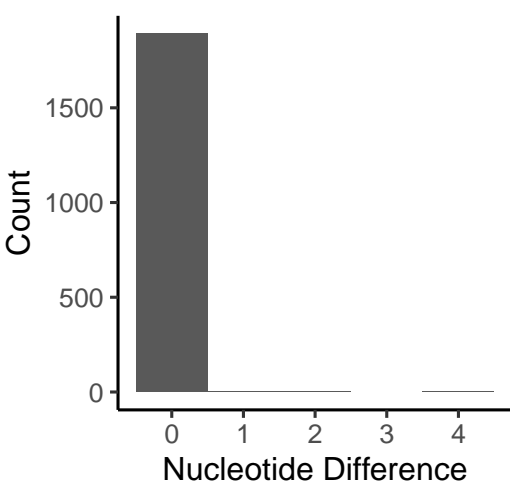
TRBV11-3*ap01

3889 sequences assigned
3882 (99.8%) exact matches, in which:
3877 unique CDR3
13 unique J



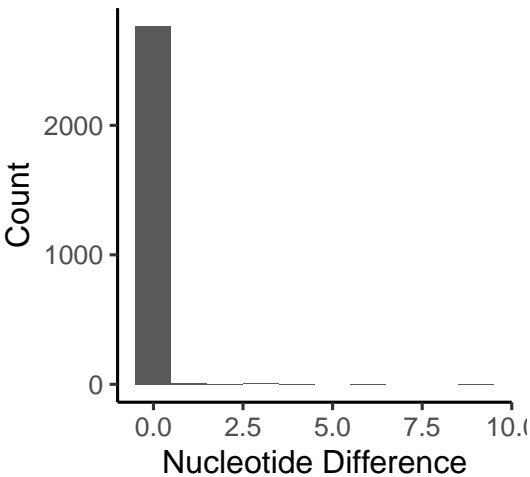
TRBV12-5*ap01

1898 sequences assigned
1891 (99.6%) exact matches, in which:
1889 unique CDR3
13 unique J



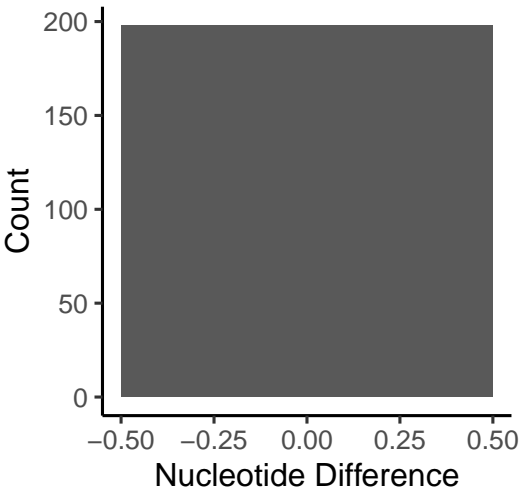
TRBV21-1*ap01

2789 sequences assigned
2767 (99.2%) exact matches, in which:
2767 unique CDR3
13 unique J



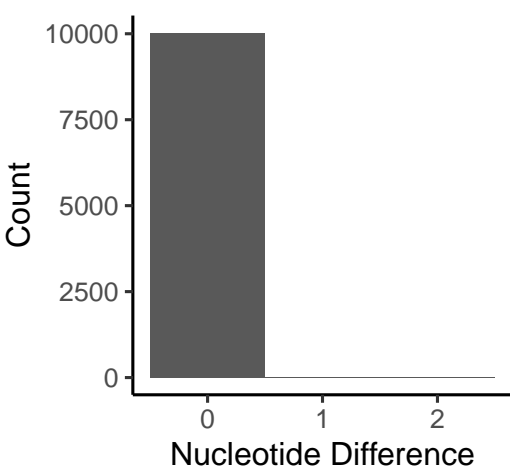
TRBV12-1*ap01

198 sequences assigned
198 (100%) exact matches, in which:
198 unique CDR3
13 unique J



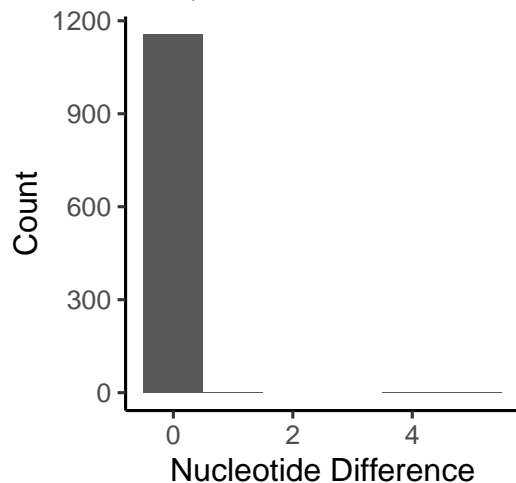
TRBV12-34*ap01

10052 sequences assigned
10028 (99.8%) exact matches, in which:
10017 unique CDR3
13 unique J



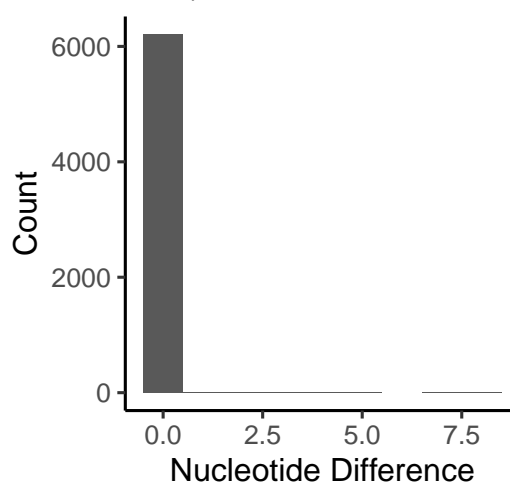
TRBV23-1*ap01

1161 sequences assigned
1156 (99.6%) exact matches, in which:
1156 unique CDR3
13 unique J



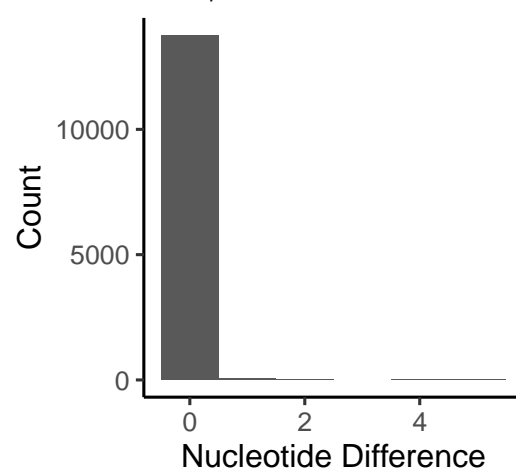
TRBV24-1*ap01

6234 sequences assigned
6208 (99.6%) exact matches, in which:
6193 unique CDR3
13 unique J



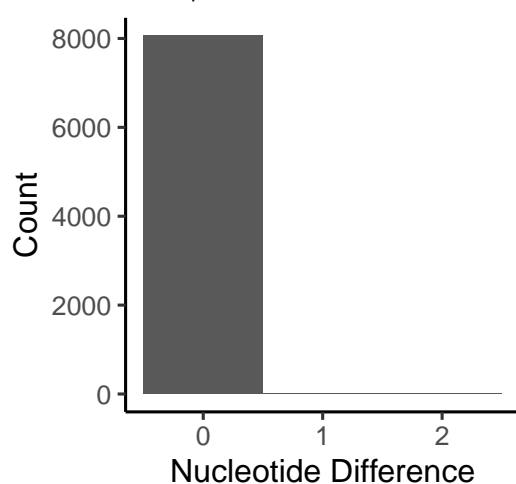
TRBV5-1*ap01

13807 sequences assigned
13760 (99.7%) exact matches, in which:
13705 unique CDR3
13 unique J



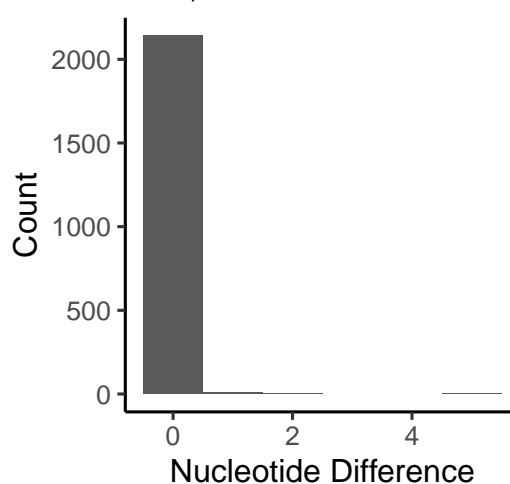
TRBV3-12*ap01

8083 sequences assigned
8062 (99.7%) exact matches, in which:
8049 unique CDR3
13 unique J



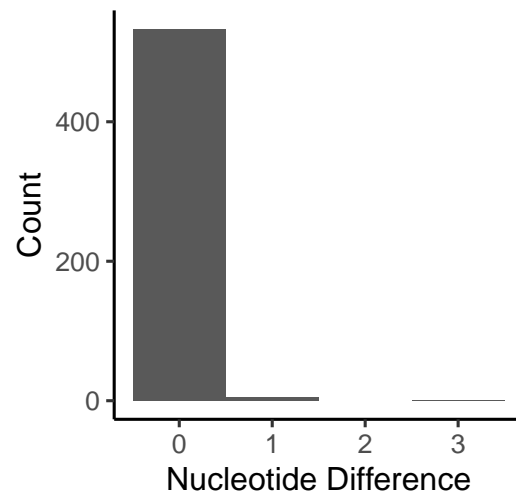
TRBV4-2*ap01

2155 sequences assigned
2141 (99.4%) exact matches, in which:
2135 unique CDR3
13 unique J



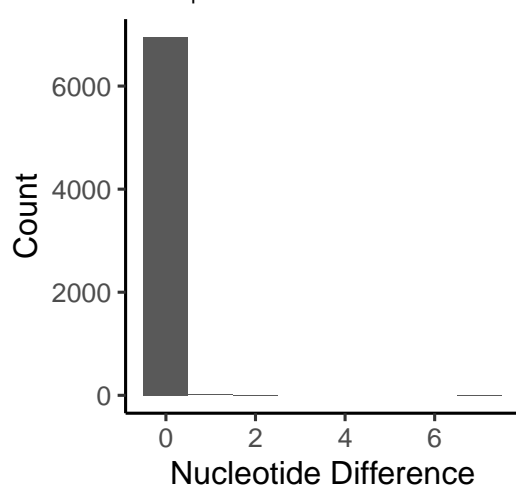
TRBV5-3*ap01

539 sequences assigned
533 (98.9%) exact matches, in which:
531 unique CDR3
13 unique J



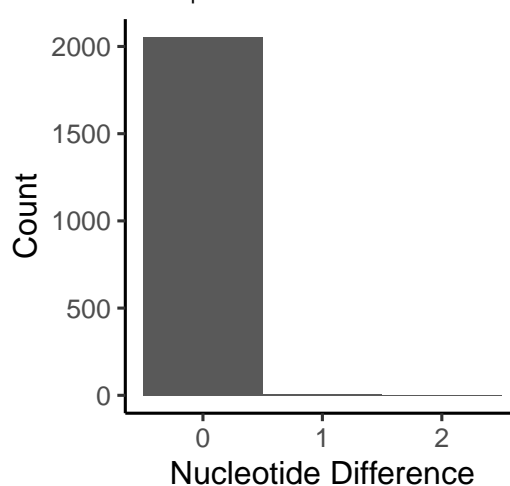
TRBV4-1*ap01

6969 sequences assigned
6951 (99.7%) exact matches, in which:
6943 unique CDR3
13 unique J



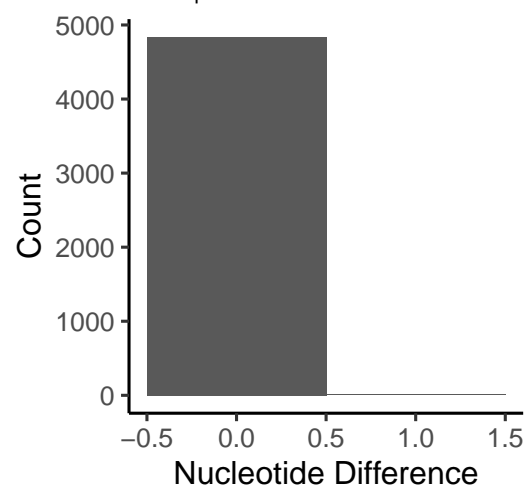
TRBV25-1*ap01

2064 sequences assigned
2054 (99.5%) exact matches, in which:
2054 unique CDR3
13 unique J



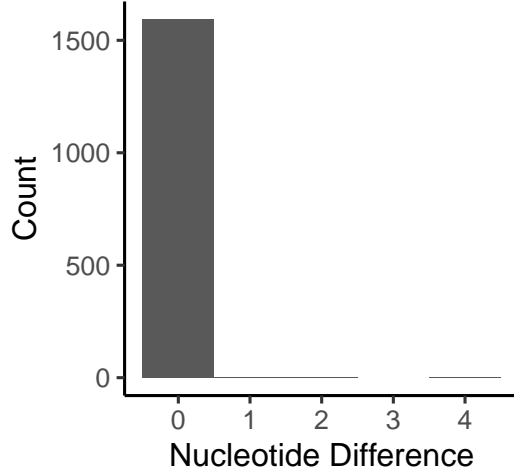
TRBV5-4*ap01

4849 sequences assigned
4837 (99.8%) exact matches, in which:
4833 unique CDR3
13 unique J



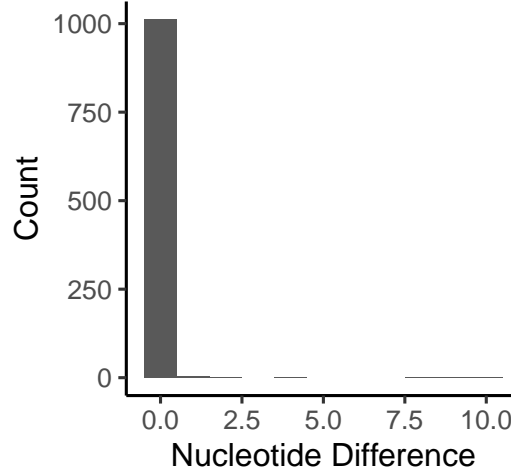
TRBV5-5*ap01

1596 sequences assigned
1593 (99.8%) exact matches, in which:
1593 unique CDR3
13 unique J



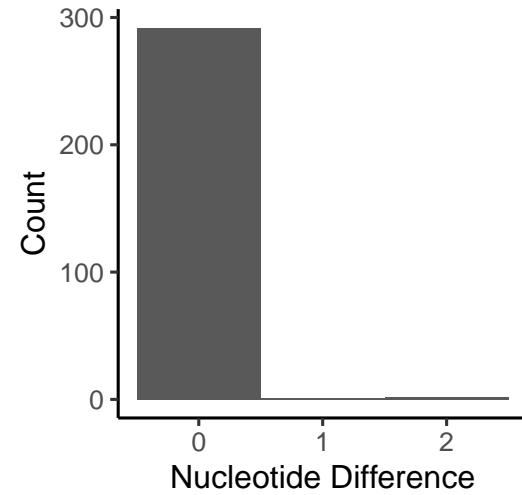
TRBV5-8*ap01

1021 sequences assigned
1012 (99.1%) exact matches, in which:
1012 unique CDR3
13 unique J



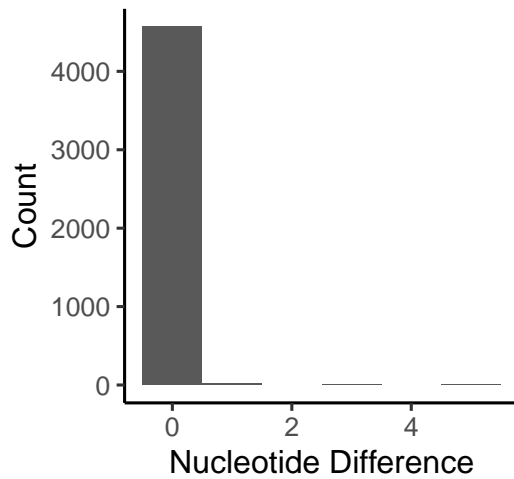
TRBV6-7*ap01

295 sequences assigned
292 (99%) exact matches, in which:
292 unique CDR3
13 unique J



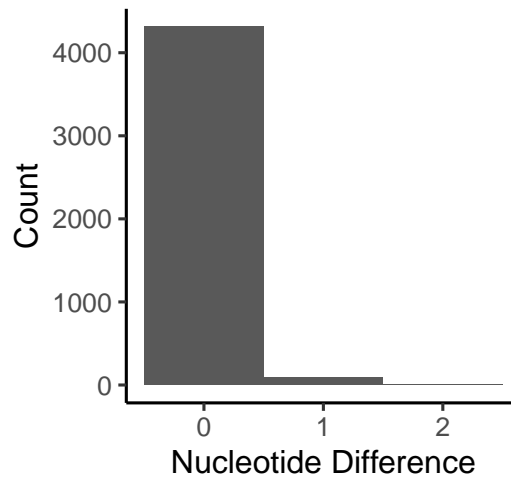
TRBV5-6*ap01

4586 sequences assigned
4569 (99.6%) exact matches, in which:
4555 unique CDR3
13 unique J



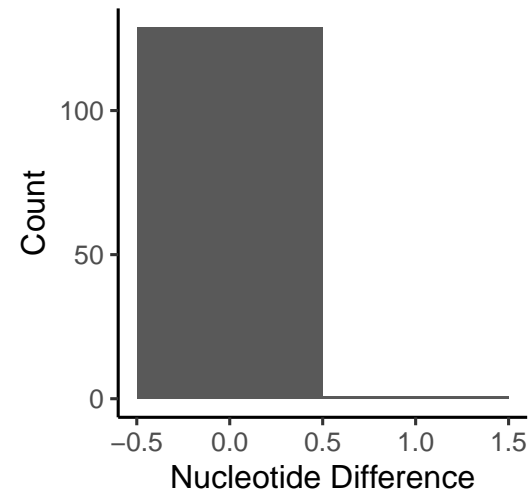
TRBV6-1*ap01

4401 sequences assigned
4313 (98%) exact matches, in which:
4305 unique CDR3
13 unique J



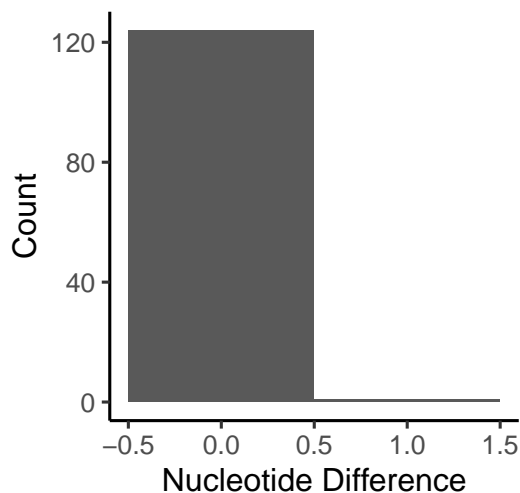
TRBV6-8*ap01

130 sequences assigned
129 (99.2%) exact matches, in which:
129 unique CDR3
13 unique J



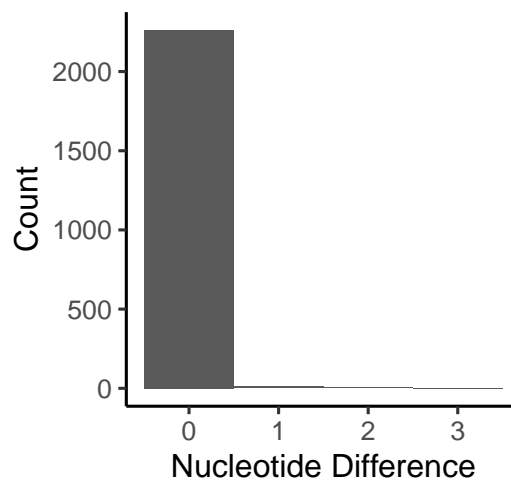
TRBV5-7*ap01

125 sequences assigned
124 (99.2%) exact matches, in which:
123 unique CDR3
12 unique J



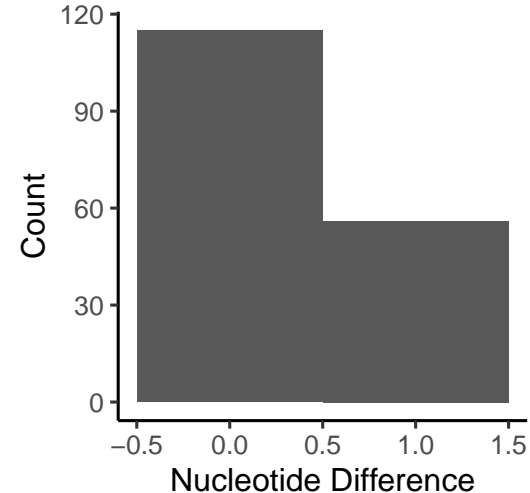
TRBV6-4*ap01

2278 sequences assigned
2262 (99.3%) exact matches, in which:
2262 unique CDR3
13 unique J



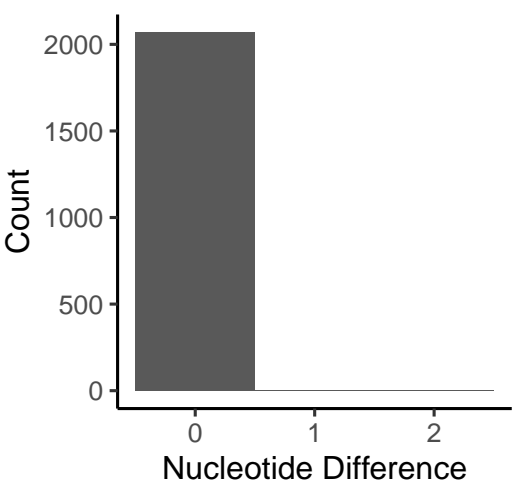
TRBV6-9*ap01

171 sequences assigned
115 (67.3%) exact matches, in which:
115 unique CDR3
13 unique J



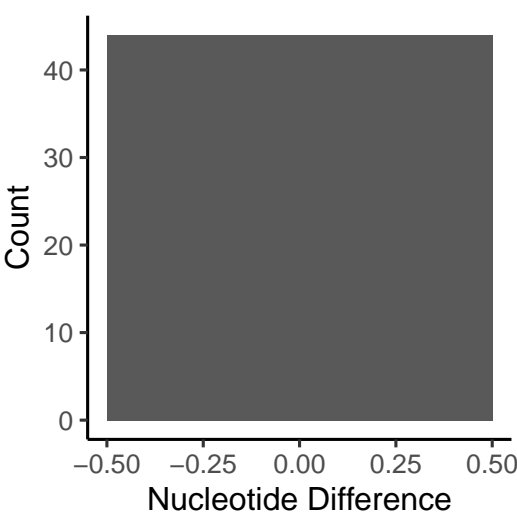
TRBV6-23*ap01

2075 sequences assigned
2069 (99.7%) exact matches, in which:
2063 unique CDR3
13 unique J



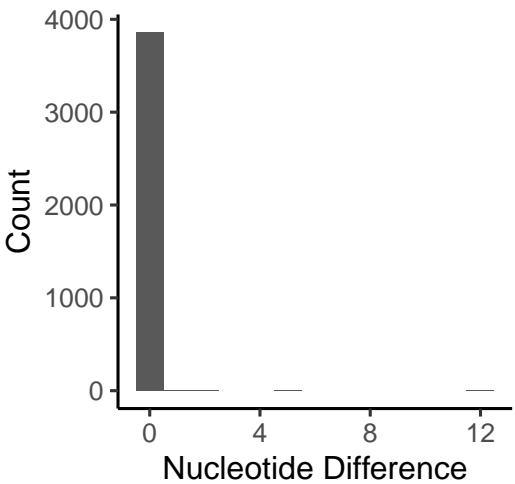
TRBV7-1*ap01_G291C_T

44 sequences assigned
44 (100%) exact matches, in which:
44 unique CDR3
11 unique J



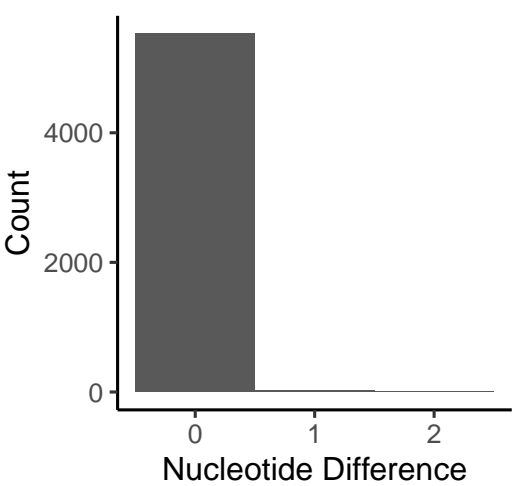
TRBV7-3*ap01

3869 sequences assigned
3859 (99.7%) exact matches, in which:
3854 unique CDR3
13 unique J



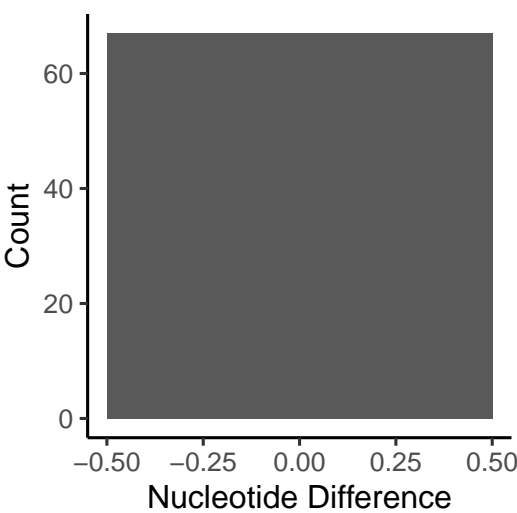
TRBV6-56*ap01

5545 sequences assigned
5528 (99.7%) exact matches, in which:
5514 unique CDR3
13 unique J



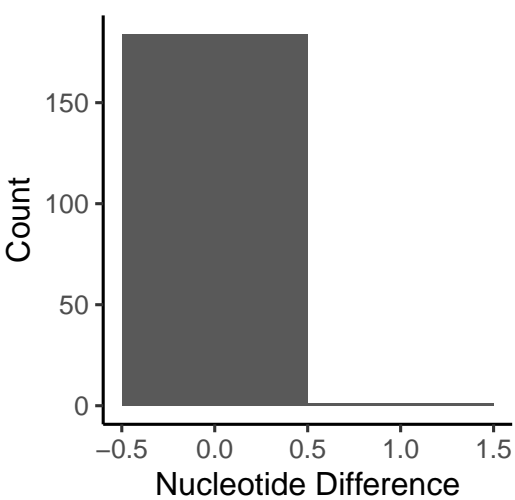
TRBV7-1*ap01_G291C_T

67 sequences assigned
67 (100%) exact matches, in which:
67 unique CDR3
11 unique J



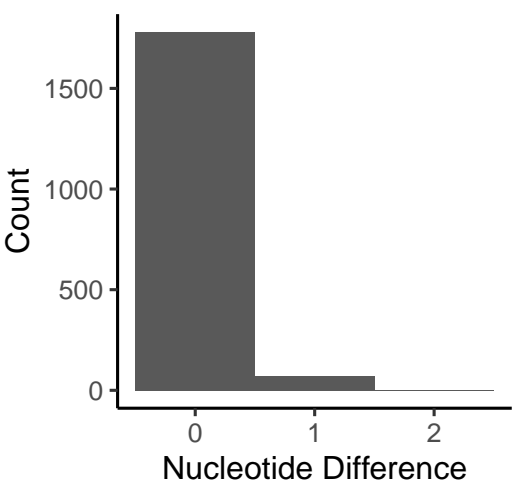
TRBV7-4*ap01

185 sequences assigned
184 (99.5%) exact matches, in which:
184 unique CDR3
13 unique J



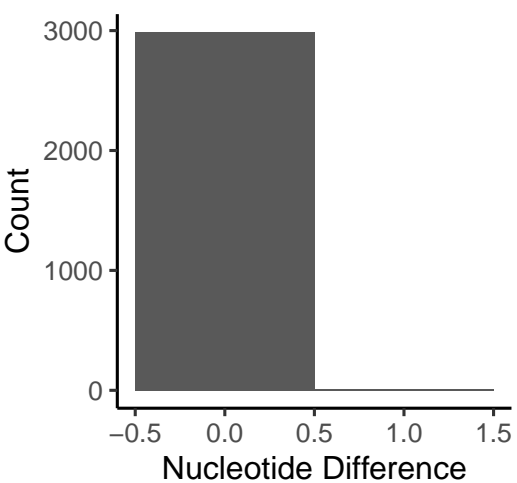
TRBV6-56*ap02

1852 sequences assigned
1780 (96.1%) exact matches, in which:
1773 unique CDR3
13 unique J



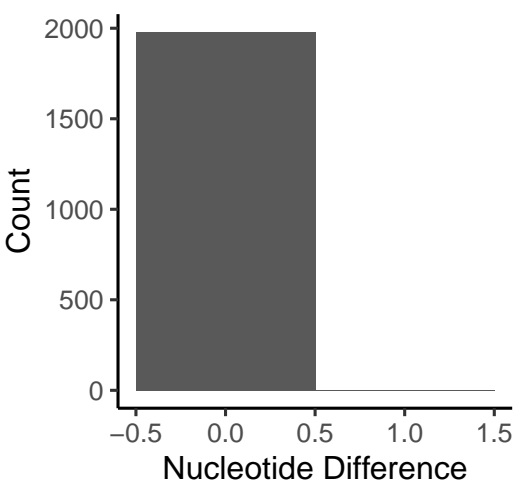
TRBV7-2*ap01

2997 sequences assigned
2988 (99.7%) exact matches, in which:
2986 unique CDR3
13 unique J



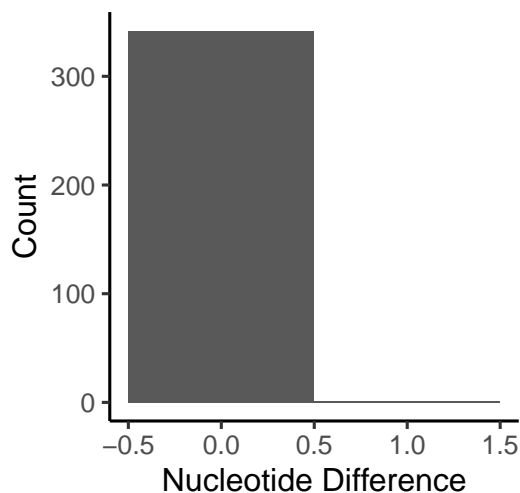
TRBV7-6*ap01

1981 sequences assigned
1979 (99.9%) exact matches, in which:
1977 unique CDR3
13 unique J



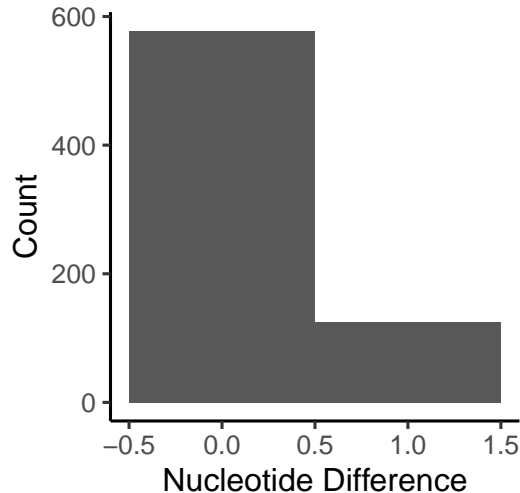
TRBV7-7*ap01

343 sequences assigned
342 (99.7%) exact matches, in which:
342 unique CDR3
13 unique J



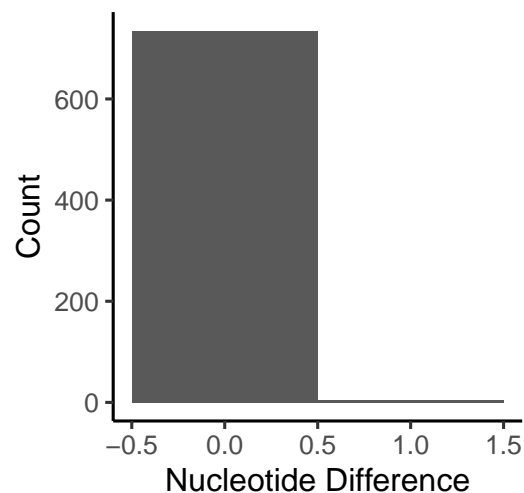
TRBV7-8*ap03

703 sequences assigned
578 (82.2%) exact matches, in which:
577 unique CDR3
13 unique J



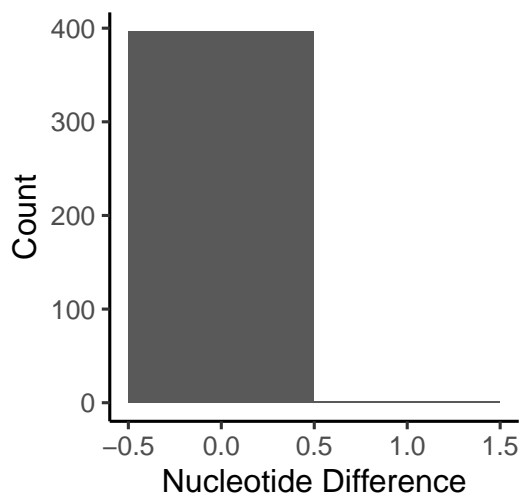
TRBV29-1*ap02

740 sequences assigned
735 (99.3%) exact matches, in which:
734 unique CDR3
13 unique J



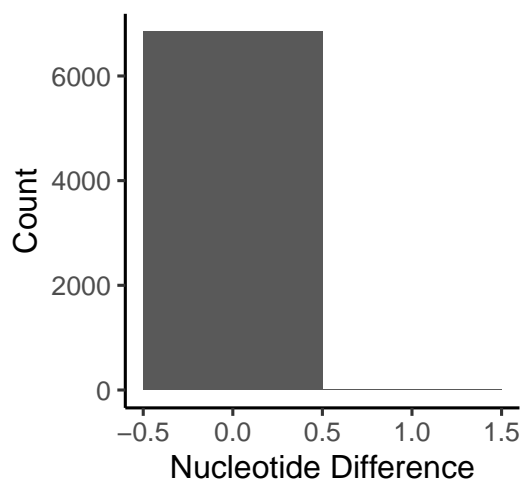
TRBV7-7*ap01_C315T

399 sequences assigned
397 (99.5%) exact matches, in which:
397 unique CDR3
13 unique J



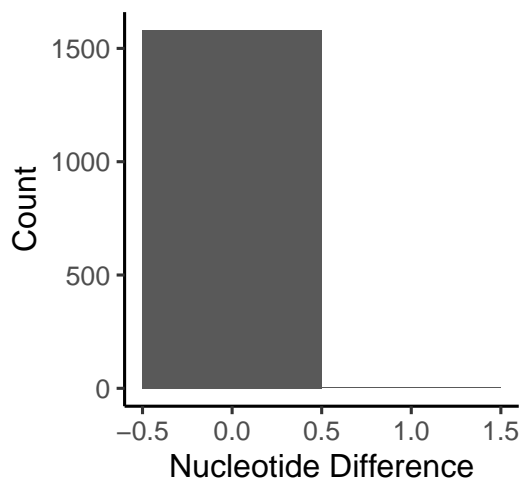
TRBV7-9*ap01

6852 sequences assigned
6845 (99.9%) exact matches, in which:
6842 unique CDR3
13 unique J



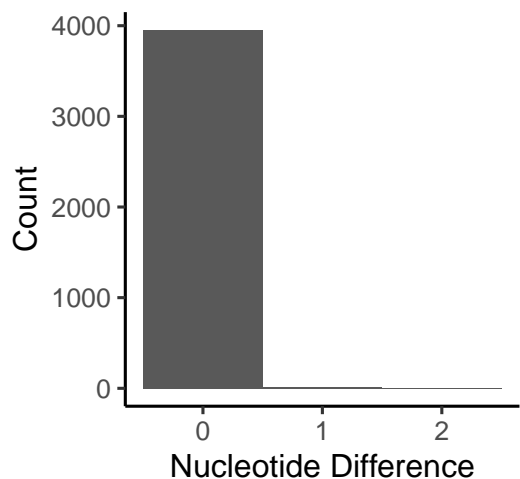
TRBV7-8*ap01

1584 sequences assigned
1581 (99.8%) exact matches, in which:
1580 unique CDR3
13 unique J

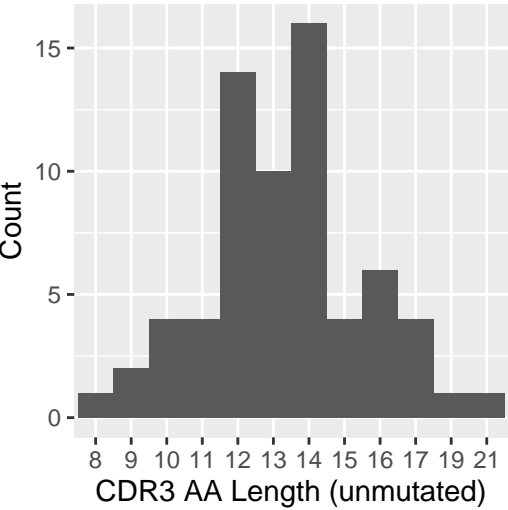


TRBV29-1*ap01

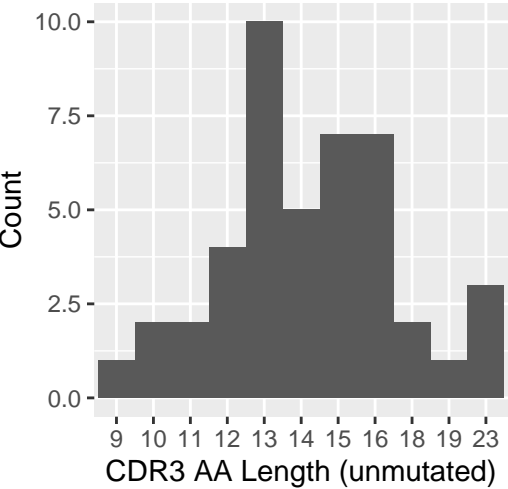
3969 sequences assigned
3952 (99.6%) exact matches, in which:
3946 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

