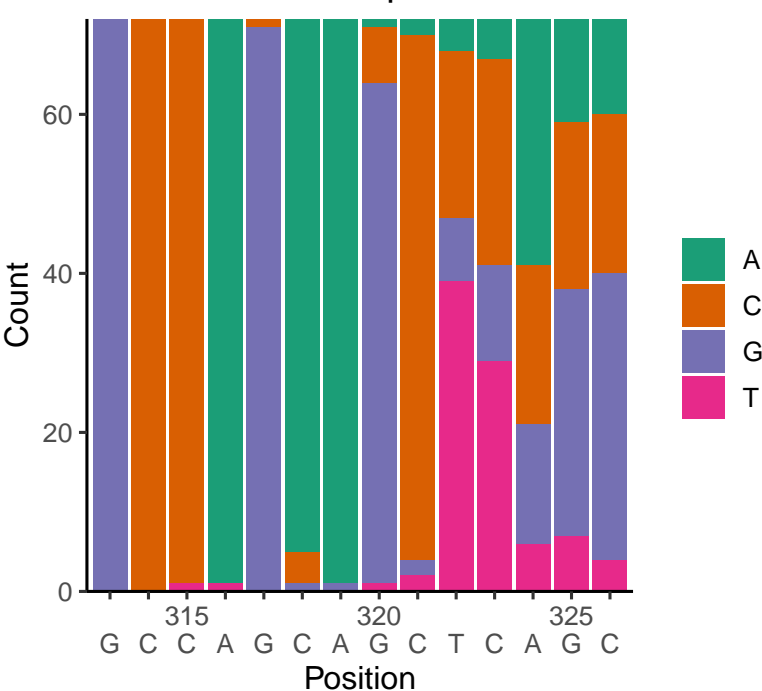
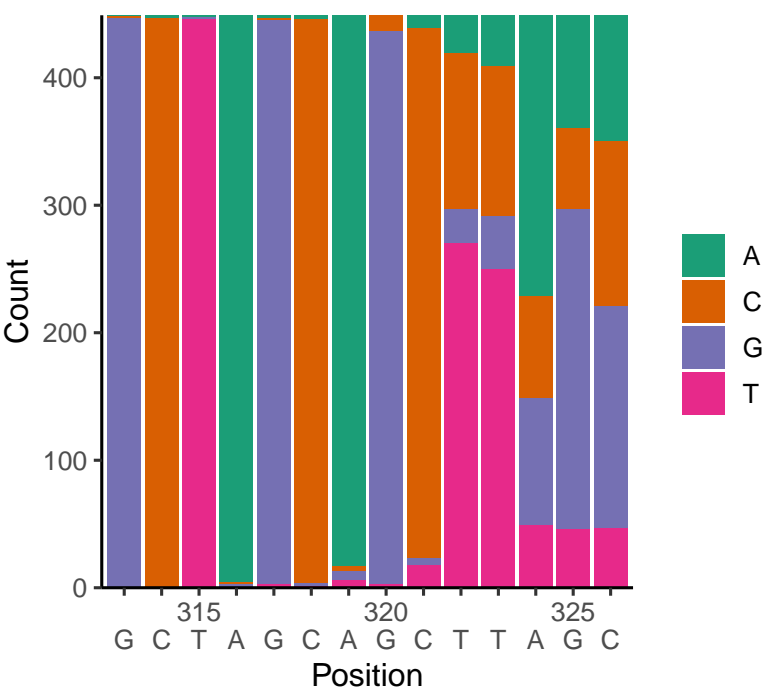


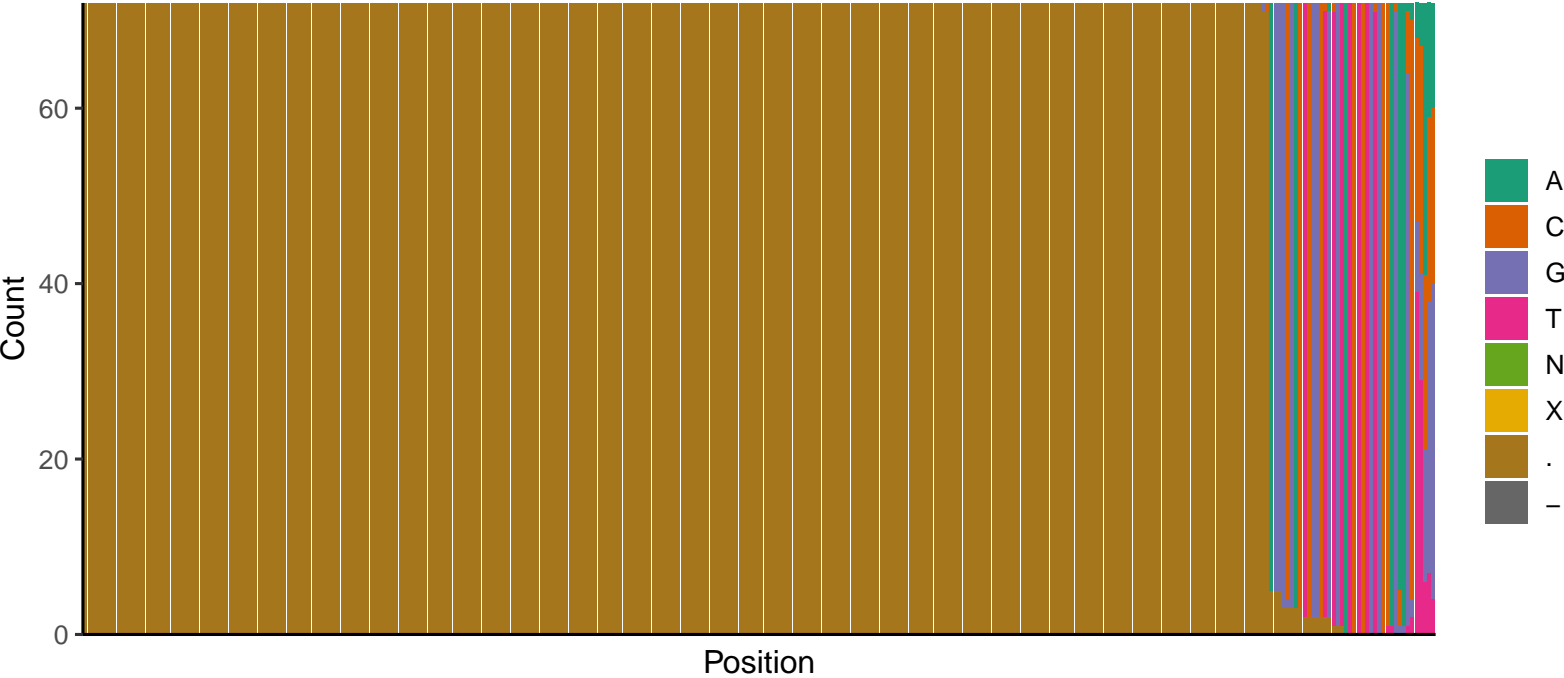
Gene TRBV7-1*ap01_G291C_T296C



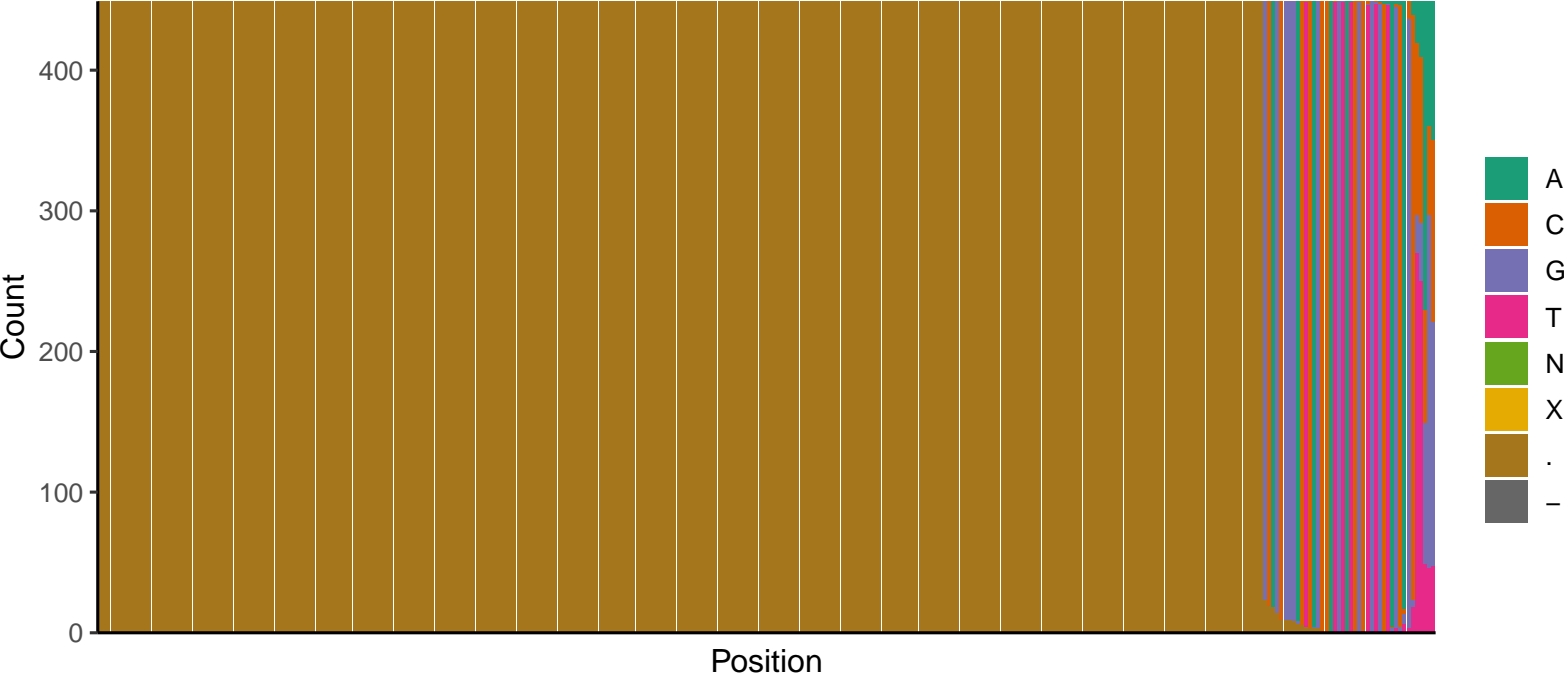
Gene TRBV7-7*ap01_C315T



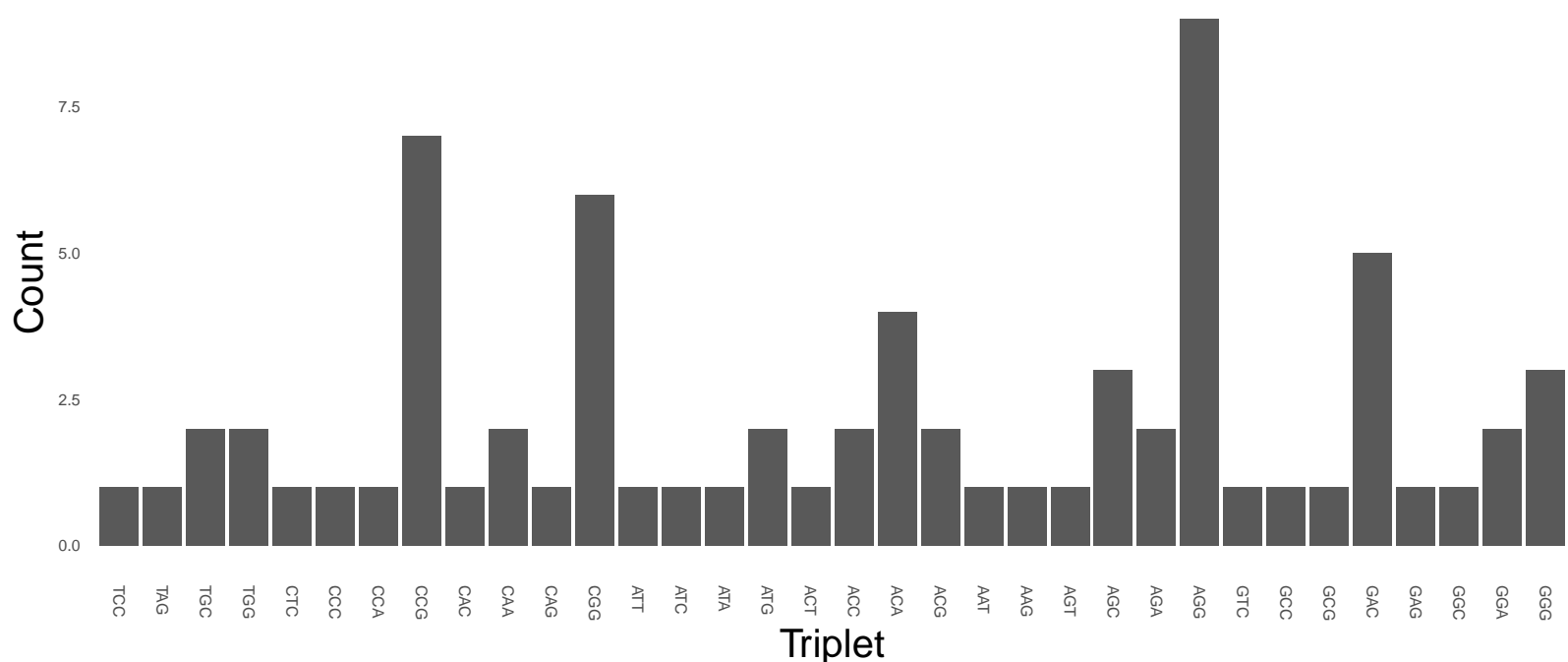
Gene TRBV7-1*ap01_G291C_T296C



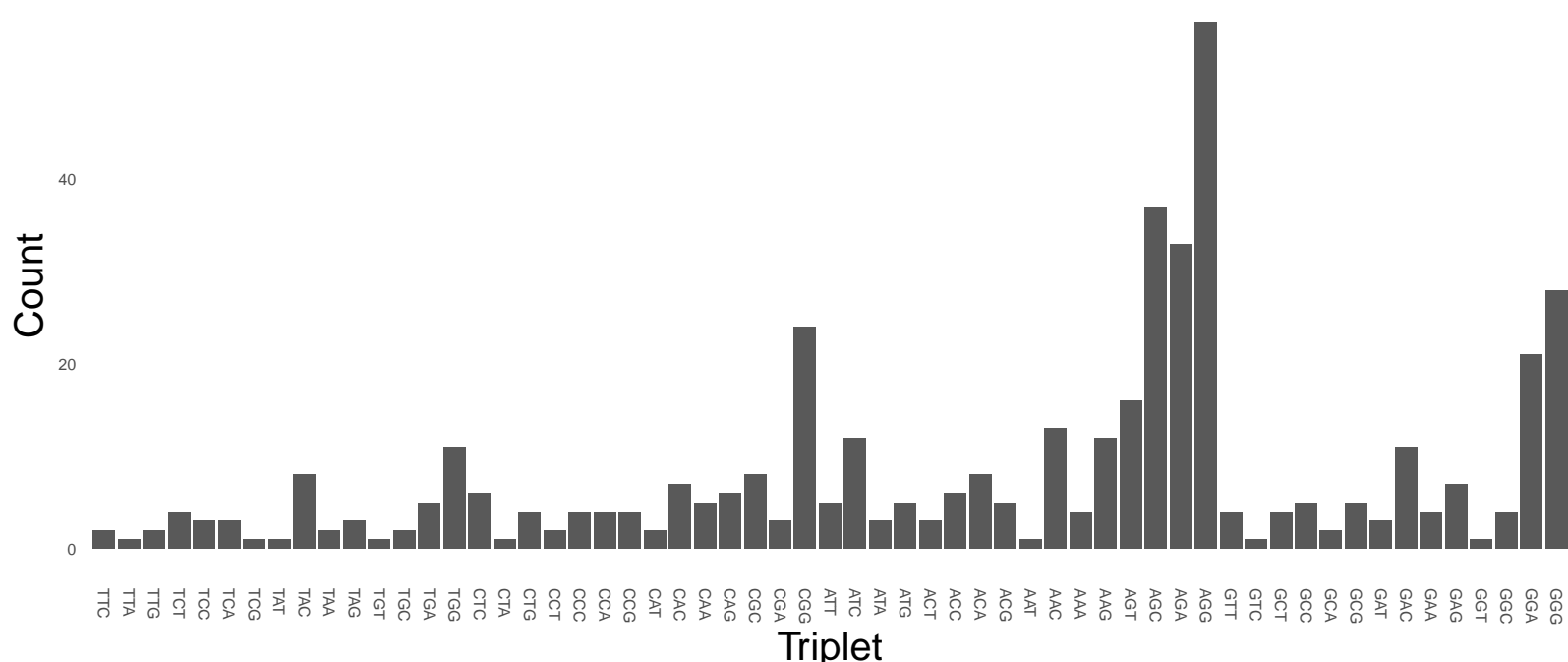
Gene TRBV7-7*ap01_C315T



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

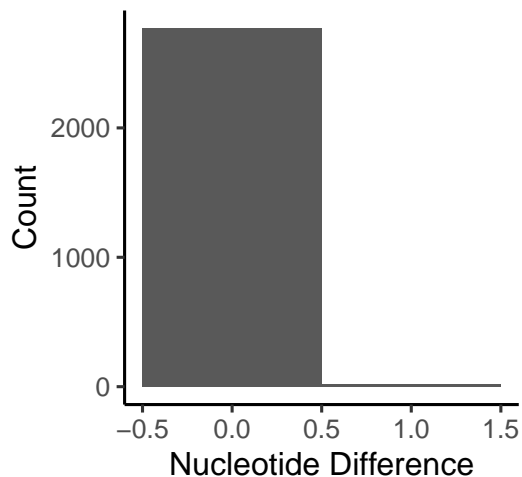


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



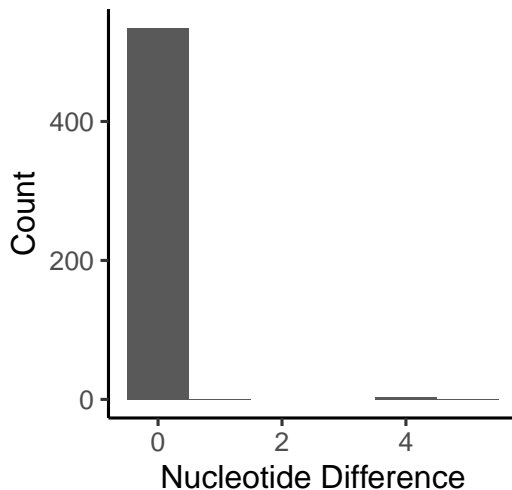
TRBV20–1*ap01

2786 sequences assigned
2769 (99.4%) exact matches, in which:
2743 unique CDR3
13 unique J



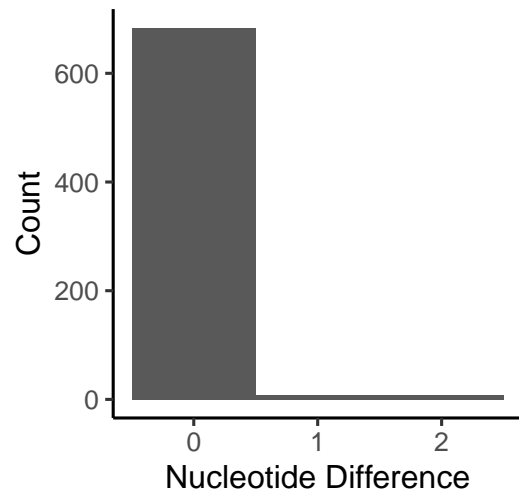
TRBV10–2*ap01

540 sequences assigned
535 (99.1%) exact matches, in which:
526 unique CDR3
13 unique J



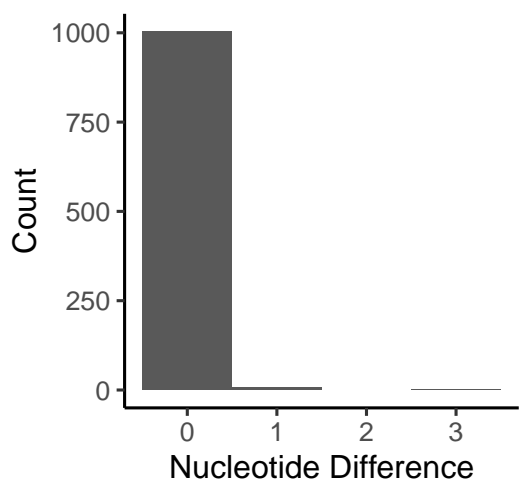
TRBV13*ap01

700 sequences assigned
684 (97.7%) exact matches, in which:
655 unique CDR3
13 unique J



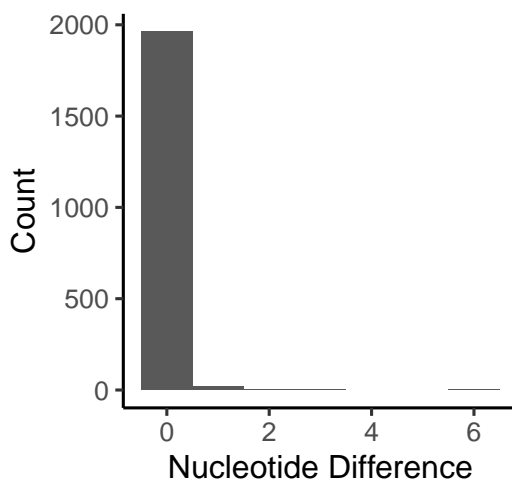
TRBV10–1*ap01

1012 sequences assigned
1003 (99.1%) exact matches, in which:
970 unique CDR3
13 unique J



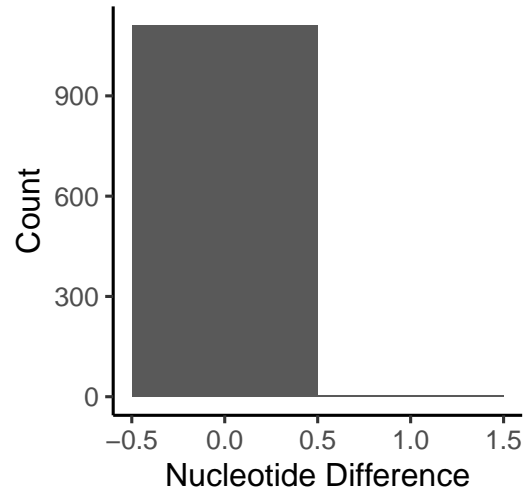
TRBV10–3*ap01

1986 sequences assigned
1962 (98.8%) exact matches, in which:
1915 unique CDR3
13 unique J



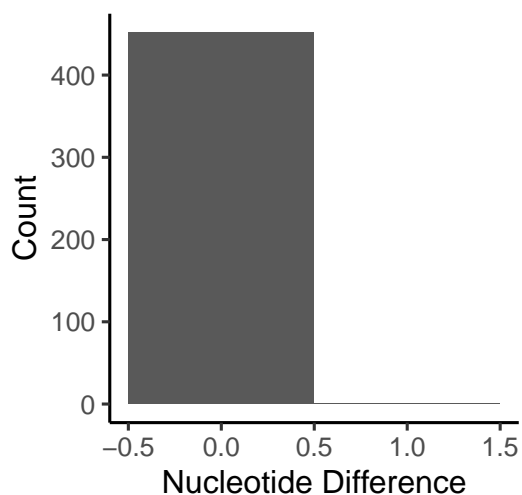
TRBV14*ap01

1117 sequences assigned
1112 (99.6%) exact matches, in which:
1096 unique CDR3
13 unique J



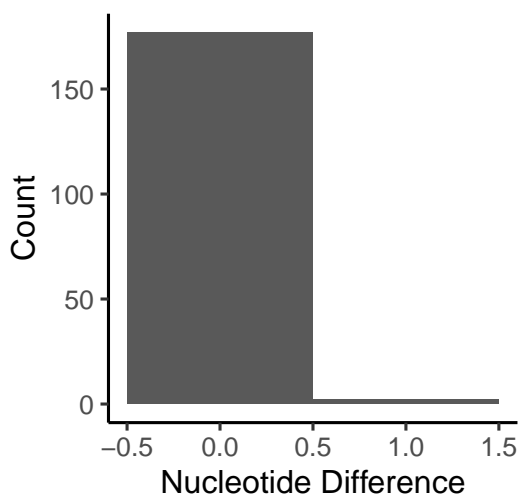
TRBV20–1*ap02

453 sequences assigned
452 (99.8%) exact matches, in which:
447 unique CDR3
13 unique J



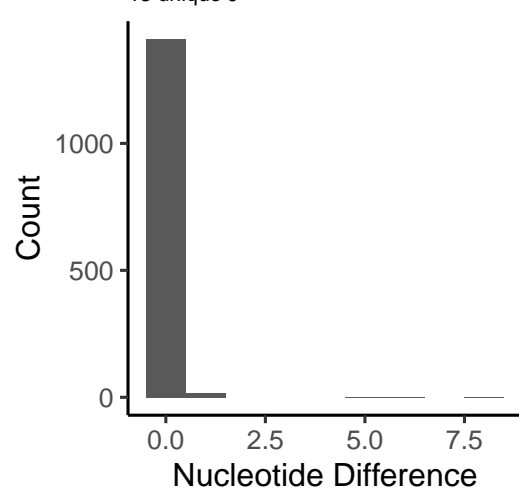
TRBV1*ap01

179 sequences assigned
177 (98.9%) exact matches, in which:
172 unique CDR3
13 unique J



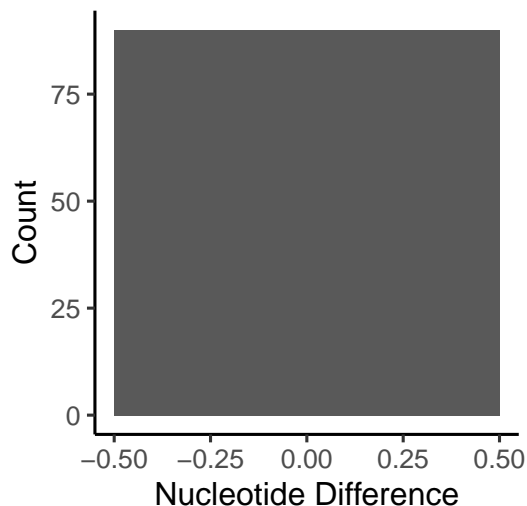
TRBV15*ap02

1431 sequences assigned
1411 (98.6%) exact matches, in which:
1383 unique CDR3
13 unique J



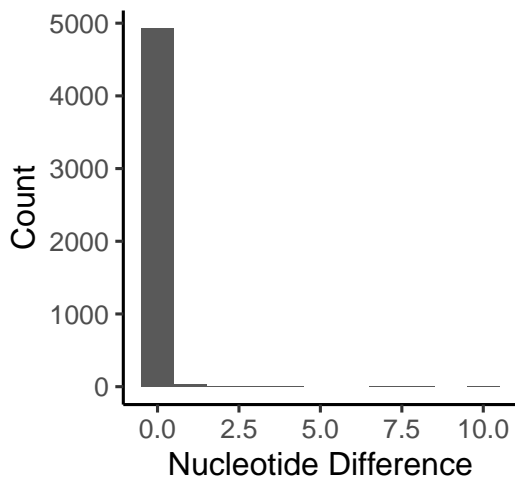
TRBV16*ap01

90 sequences assigned
90 (100%) exact matches, in which:
88 unique CDR3
13 unique J



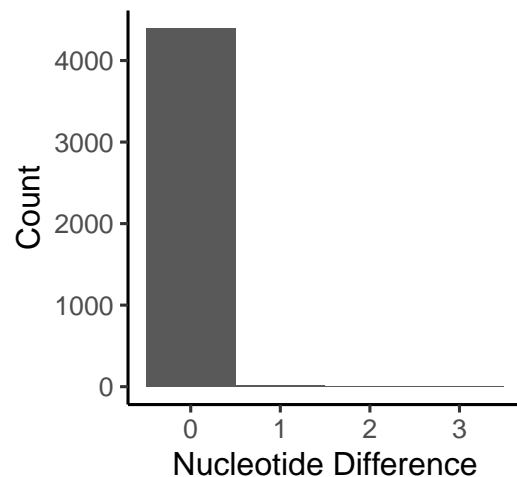
TRBV19*ap01

4971 sequences assigned
4928 (99.1%) exact matches, in which:
4876 unique CDR3
13 unique J



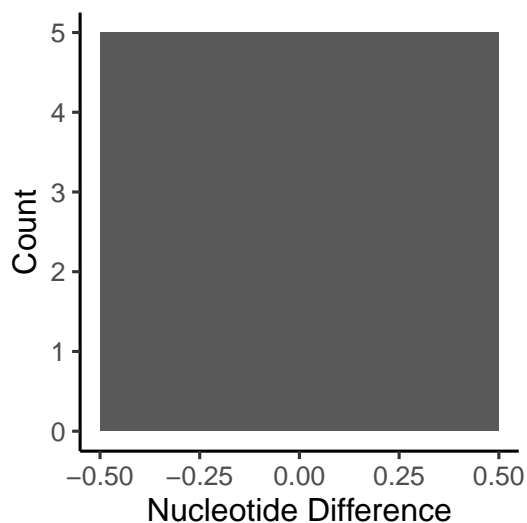
TRBV28*ap01

4419 sequences assigned
4394 (99.4%) exact matches, in which:
4338 unique CDR3
13 unique J



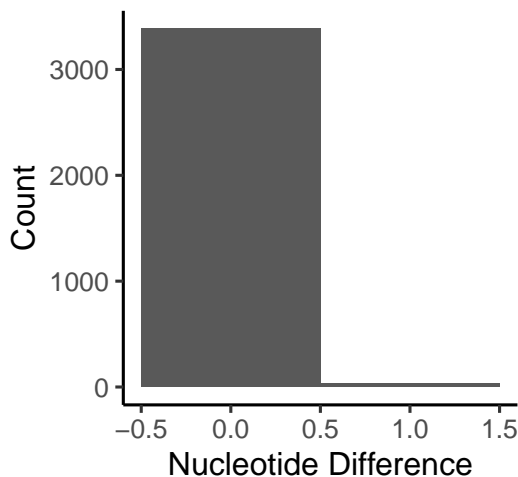
TRBV17*ap01

5 sequences assigned
5 (100%) exact matches, in which:
5 unique CDR3
4 unique J



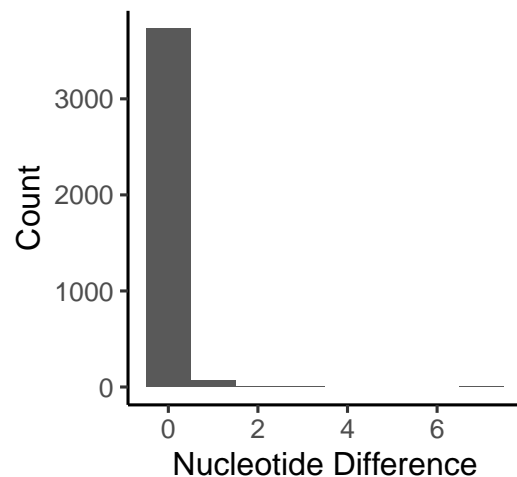
TRBV2*ap01

3417 sequences assigned
3385 (99.1%) exact matches, in which:
3303 unique CDR3
13 unique J



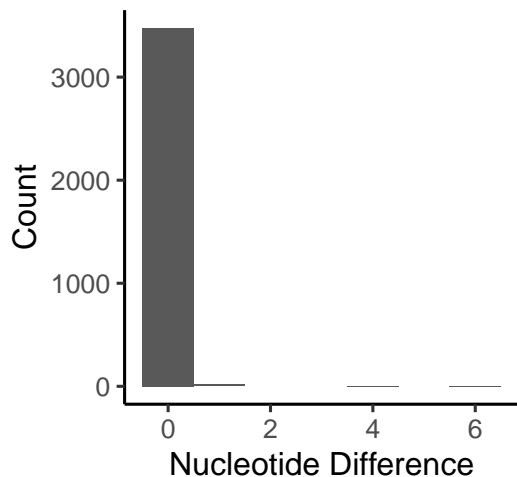
TRBV30*ap01

3807 sequences assigned
3730 (98%) exact matches, in which:
3566 unique CDR3
13 unique J



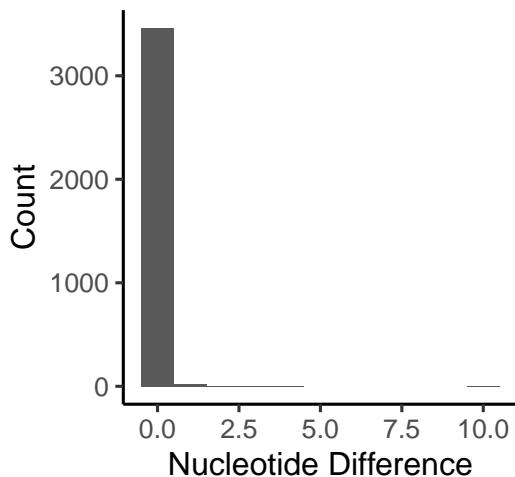
TRBV18*ap01

3494 sequences assigned
3476 (99.5%) exact matches, in which:
3439 unique CDR3
13 unique J



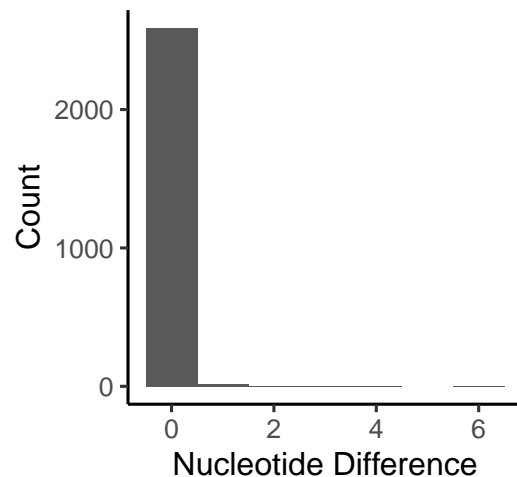
TRBV27*ap01

3493 sequences assigned
3461 (99.1%) exact matches, in which:
3396 unique CDR3
13 unique J



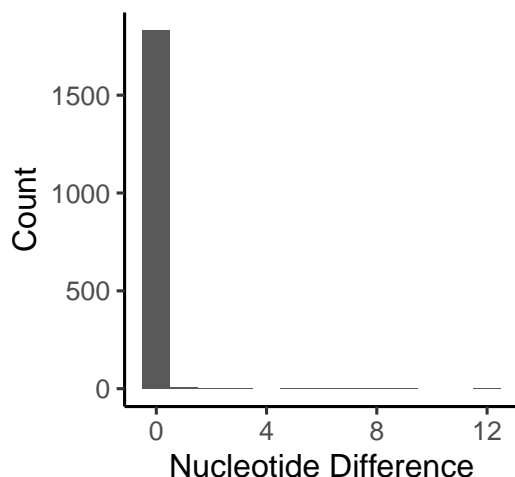
TRBV9*ap01

2613 sequences assigned
2589 (99.1%) exact matches, in which:
2565 unique CDR3
13 unique J



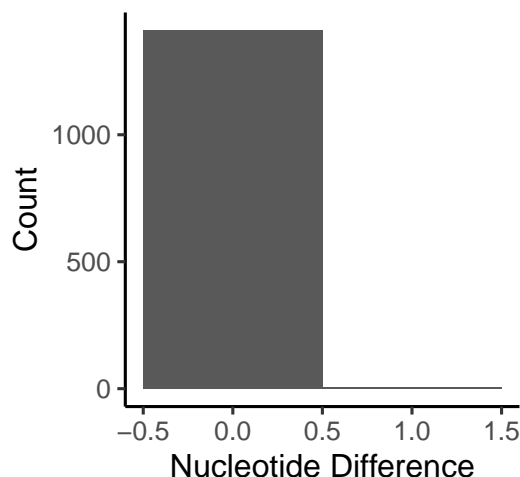
TRBV21-1*ap01

1854 sequences assigned
1831 (98.8%) exact matches, in which:
1814 unique CDR3
13 unique J



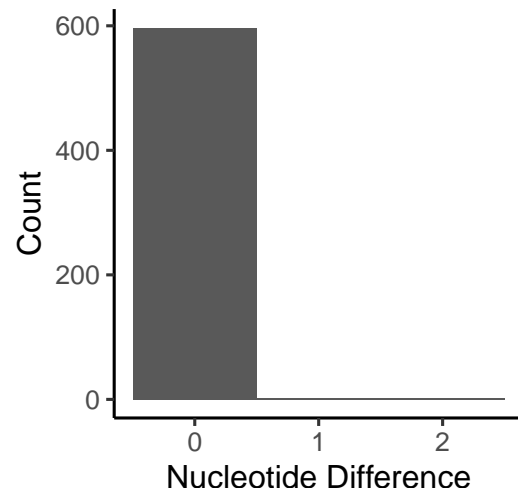
TRBV11-3*ap01

1416 sequences assigned
1411 (99.6%) exact matches, in which:
1402 unique CDR3
13 unique J



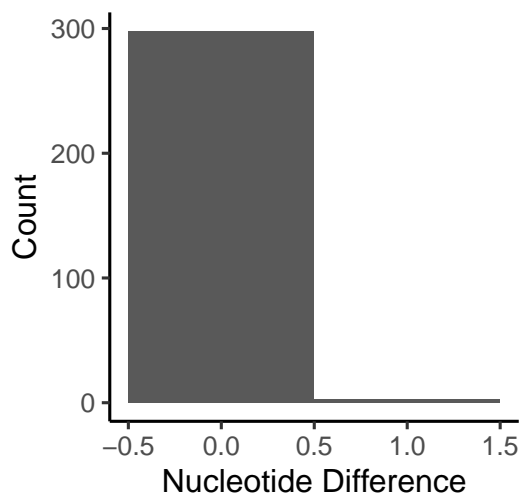
TRBV12-5*ap01

601 sequences assigned
597 (99.3%) exact matches, in which:
589 unique CDR3
13 unique J



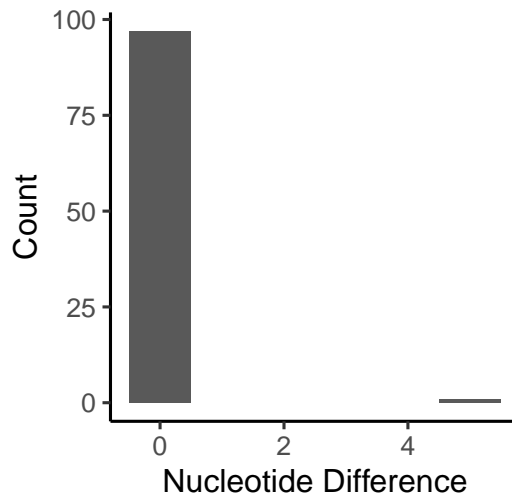
TRBV11-1*ap01

301 sequences assigned
298 (99%) exact matches, in which:
295 unique CDR3
13 unique J



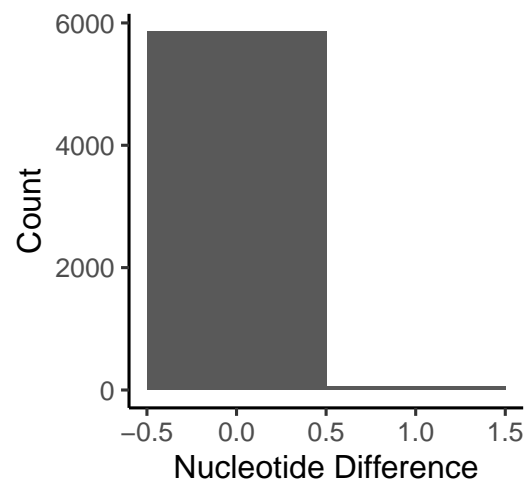
TRBV12-1*ap01

98 sequences assigned
97 (99%) exact matches, in which:
93 unique CDR3
12 unique J



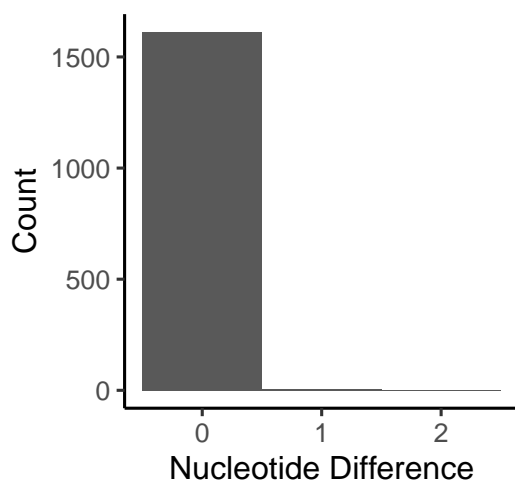
TRBV12-34*ap01

5915 sequences assigned
5856 (99%) exact matches, in which:
5729 unique CDR3
13 unique J



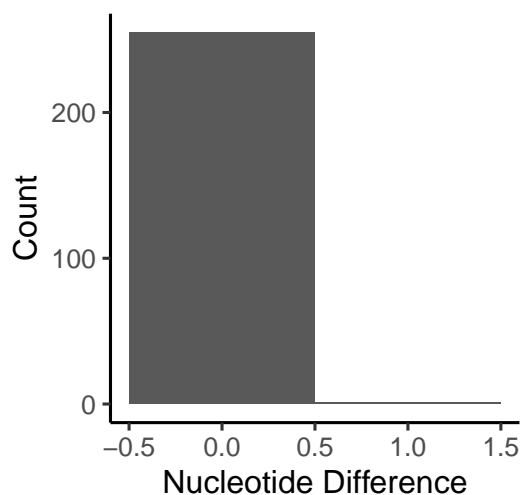
TRBV11-2*ap01

1620 sequences assigned
1612 (99.5%) exact matches, in which:
1596 unique CDR3
13 unique J



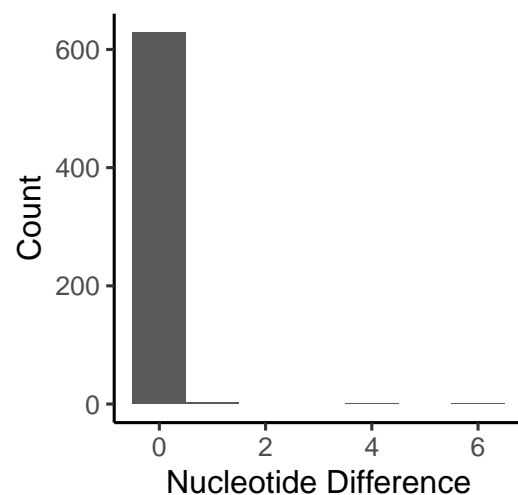
TRBV12-2*ap01

256 sequences assigned
255 (99.6%) exact matches, in which:
252 unique CDR3
13 unique J



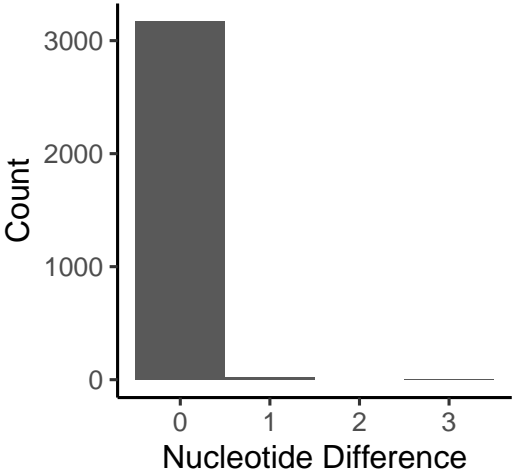
TRBV23-1*ap01

634 sequences assigned
629 (99.2%) exact matches, in which:
617 unique CDR3
13 unique J



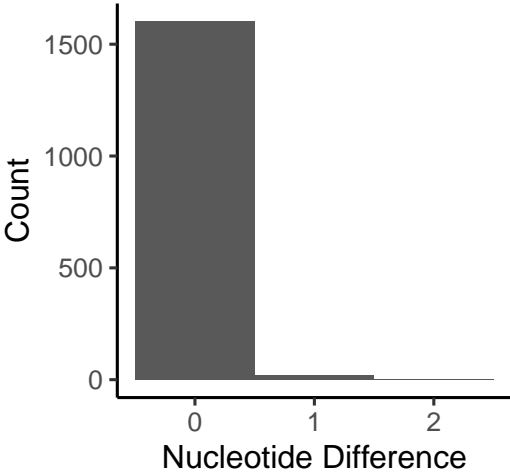
TRBV3-12*ap01

3195 sequences assigned
3170 (99.2%) exact matches, in which:
3136 unique CDR3
13 unique J



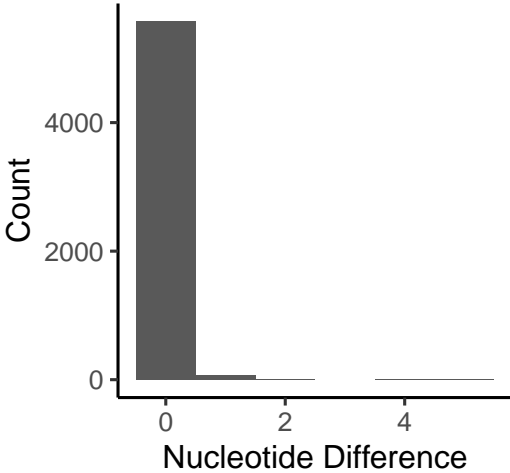
TRBV4-2*ap01

1624 sequences assigned
1602 (98.6%) exact matches, in which:
1553 unique CDR3
13 unique J



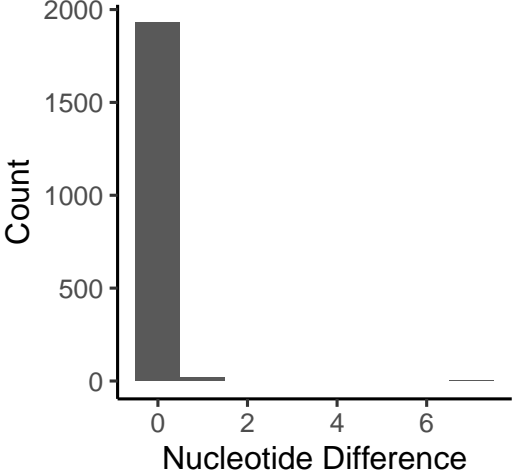
TRBV5-1*ap01

5648 sequences assigned
5575 (98.7%) exact matches, in which:
5425 unique CDR3
13 unique J



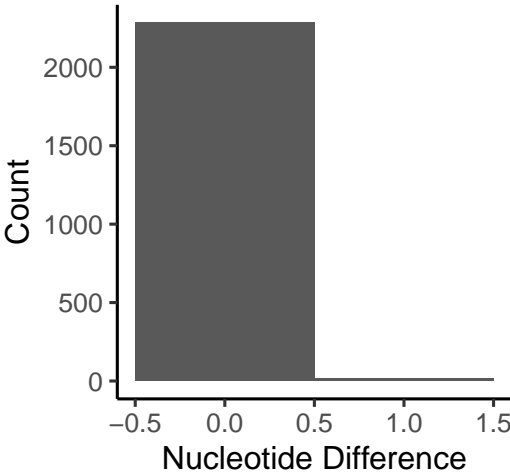
TRBV4-1*ap01

1950 sequences assigned
1929 (98.9%) exact matches, in which:
1876 unique CDR3
13 unique J



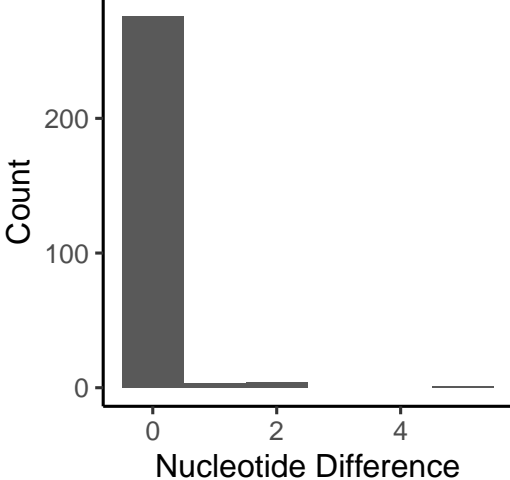
TRBV4-3*ap01

2303 sequences assigned
2284 (99.2%) exact matches, in which:
2230 unique CDR3
13 unique J



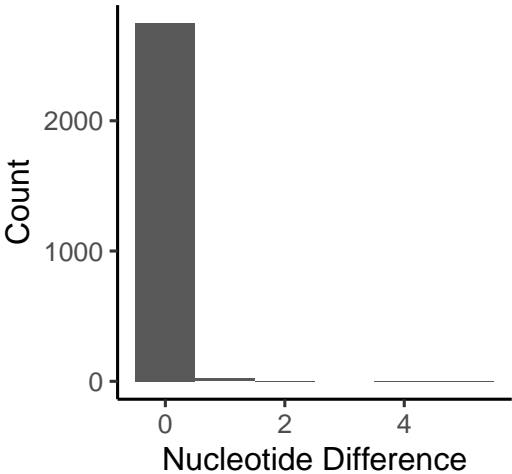
TRBV5-3*ap01

284 sequences assigned
276 (97.2%) exact matches, in which:
273 unique CDR3
13 unique J



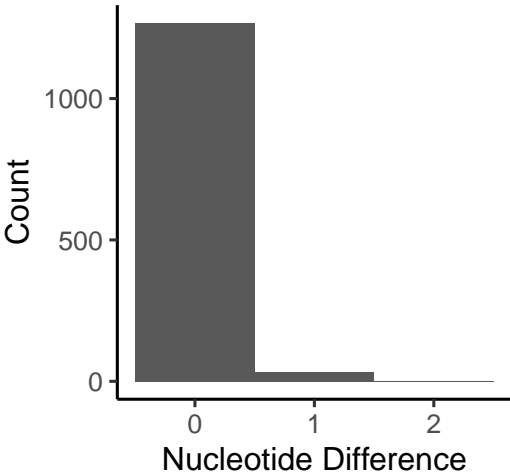
TRBV24-1*ap01

2776 sequences assigned
2750 (99.1%) exact matches, in which:
2689 unique CDR3
13 unique J



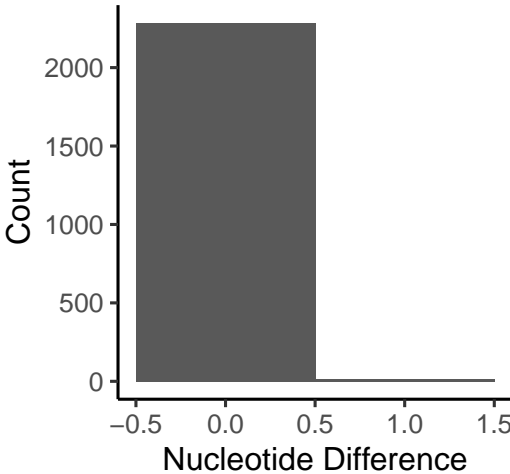
TRBV25-1*ap01

1301 sequences assigned
1267 (97.4%) exact matches, in which:
1224 unique CDR3
13 unique J



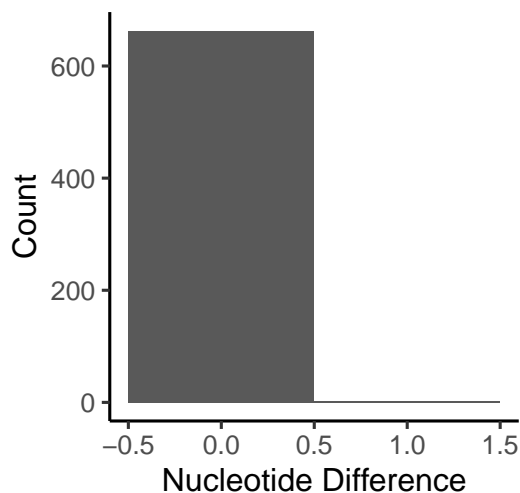
TRBV5-4*ap01

2300 sequences assigned
2284 (99.3%) exact matches, in which:
2221 unique CDR3
13 unique J



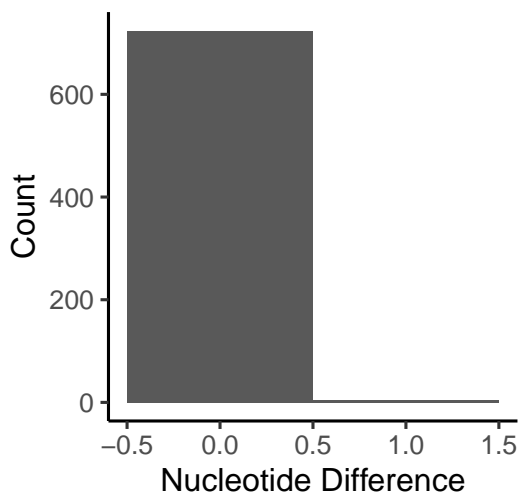
TRBV5-5*ap01

666 sequences assigned
663 (99.5%) exact matches, in which:
658 unique CDR3
13 unique J



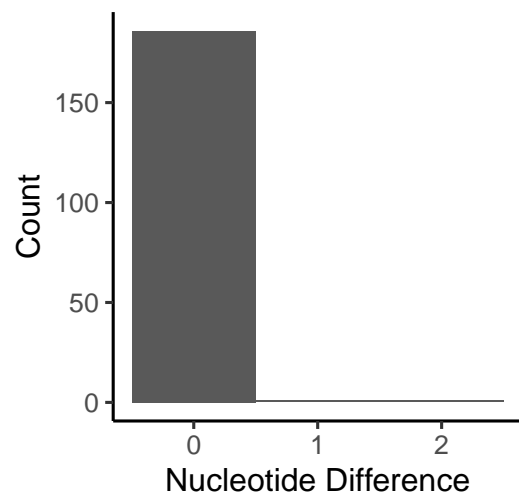
TRBV5-8*ap01

729 sequences assigned
724 (99.3%) exact matches, in which:
709 unique CDR3
13 unique J



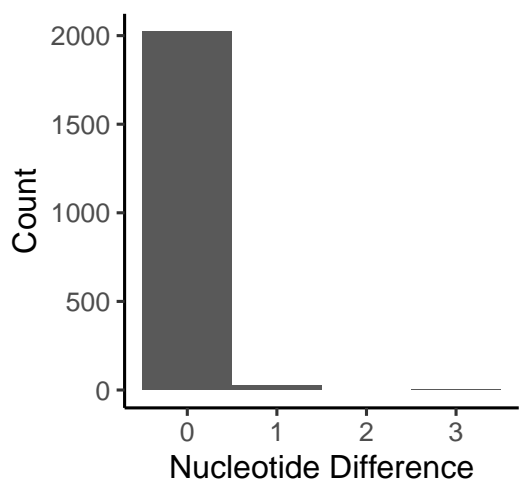
TRBV6-7*ap01

188 sequences assigned
186 (98.9%) exact matches, in which:
179 unique CDR3
13 unique J



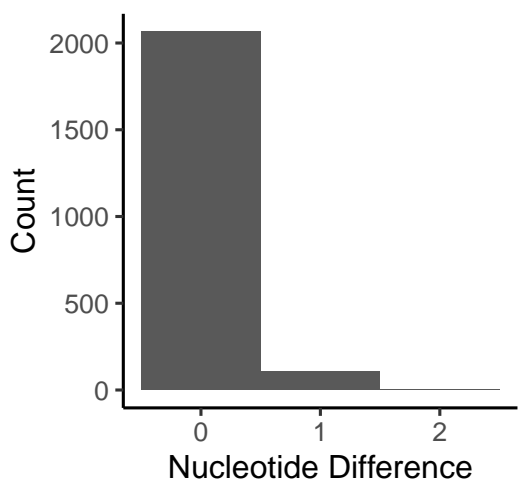
TRBV5-6*ap01

2049 sequences assigned
2022 (98.7%) exact matches, in which:
1948 unique CDR3
13 unique J



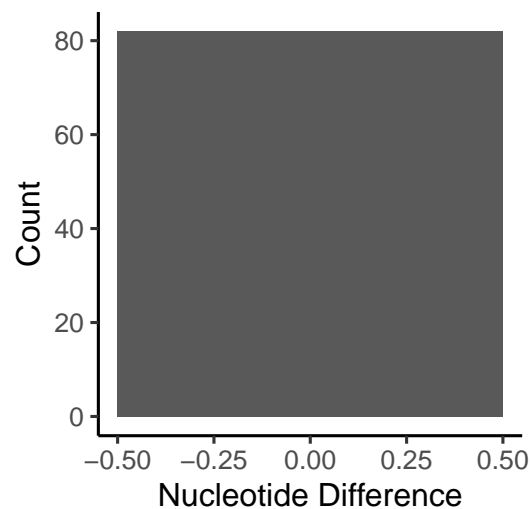
TRBV6-1*ap01

2170 sequences assigned
2065 (95.2%) exact matches, in which:
2003 unique CDR3
13 unique J



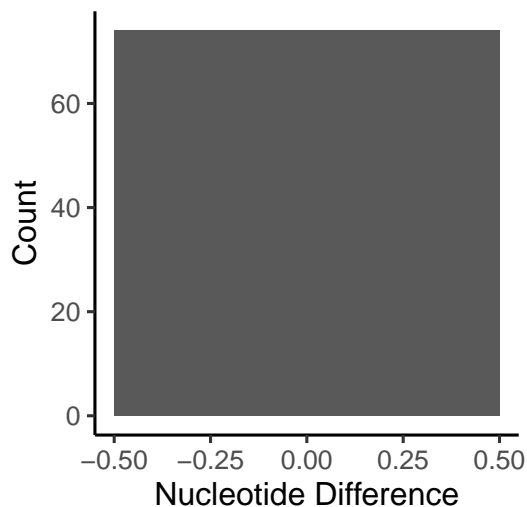
TRBV6-8*ap01

82 sequences assigned
82 (100%) exact matches, in which:
81 unique CDR3
12 unique J



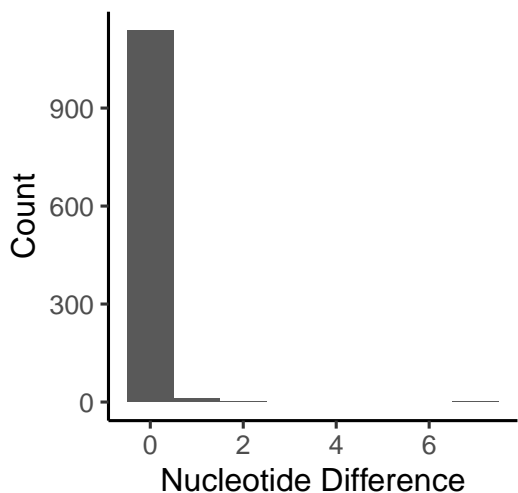
TRBV5-7*ap01

74 sequences assigned
74 (100%) exact matches, in which:
64 unique CDR3
12 unique J



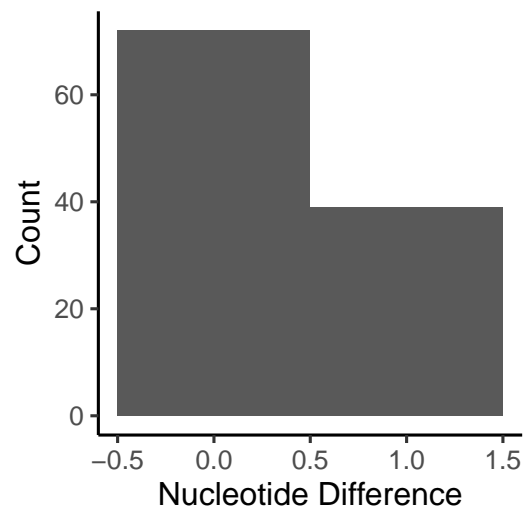
TRBV6-4*ap01

1151 sequences assigned
1138 (98.9%) exact matches, in which:
1125 unique CDR3
13 unique J



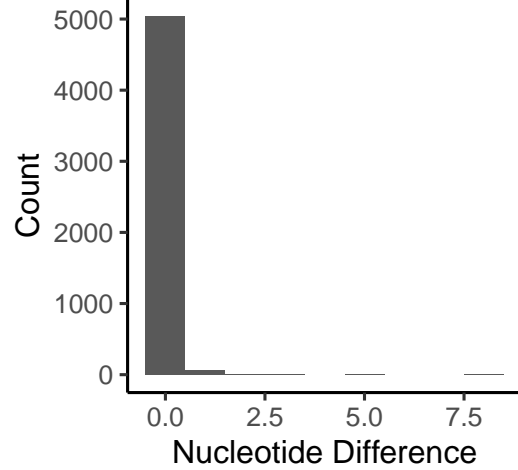
TRBV6-9*ap01

111 sequences assigned
72 (64.9%) exact matches, in which:
68 unique CDR3
12 unique J



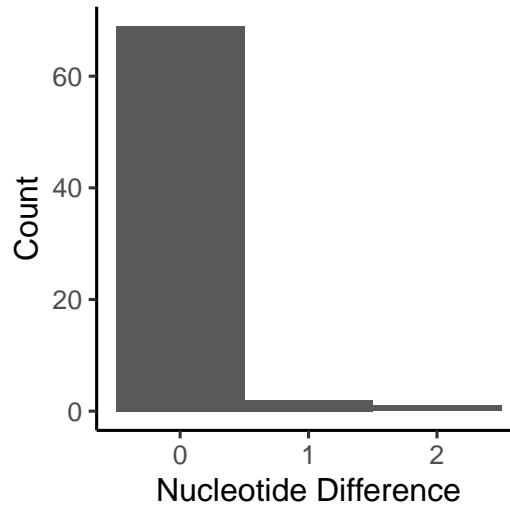
TRBV6–23*ap01

5109 sequences assigned
5037 (98.6%) exact matches, in which:
4842 unique CDR3
13 unique J



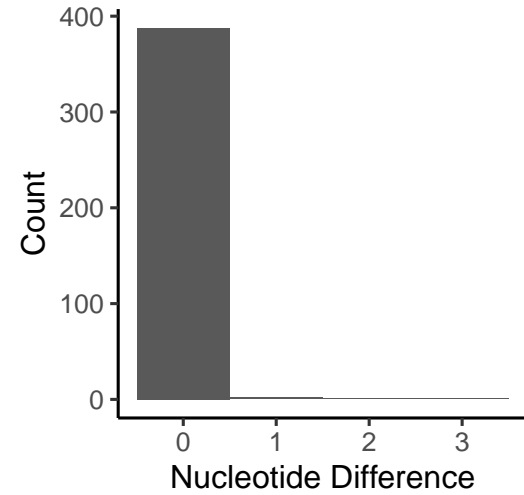
TRBV7–1*ap01_G291C_T

72 sequences assigned
69 (95.8%) exact matches, in which:
68 unique CDR3
12 unique J



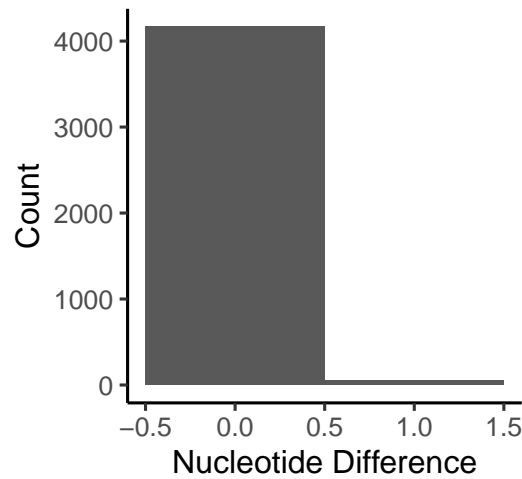
TRBV7–3*ap03

392 sequences assigned
388 (99%) exact matches, in which:
384 unique CDR3
13 unique J



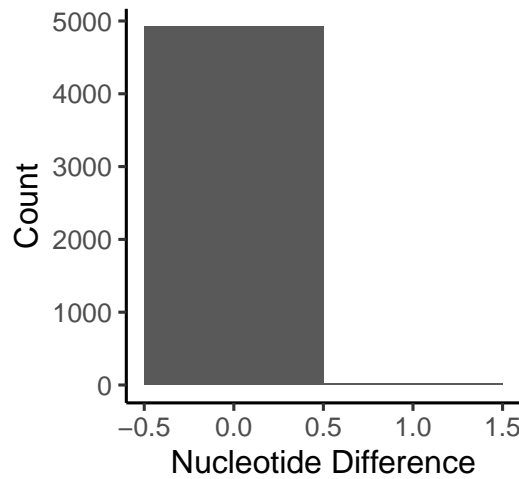
TRBV6–56*ap01

4220 sequences assigned
4167 (98.7%) exact matches, in which:
4021 unique CDR3
13 unique J



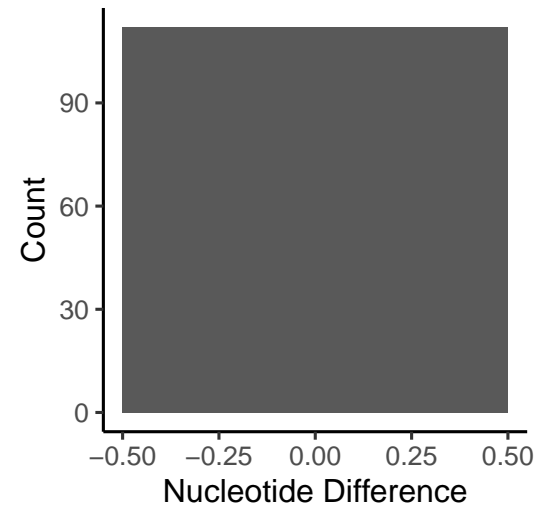
TRBV7–2*ap01

4941 sequences assigned
4921 (99.6%) exact matches, in which:
4840 unique CDR3
13 unique J



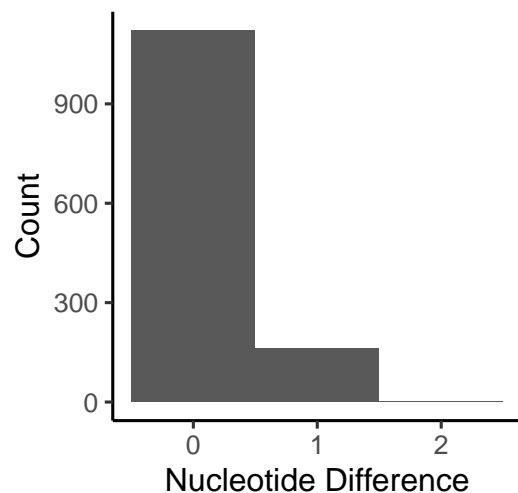
TRBV7–4*ap01

112 sequences assigned
112 (100%) exact matches, in which:
107 unique CDR3
12 unique J



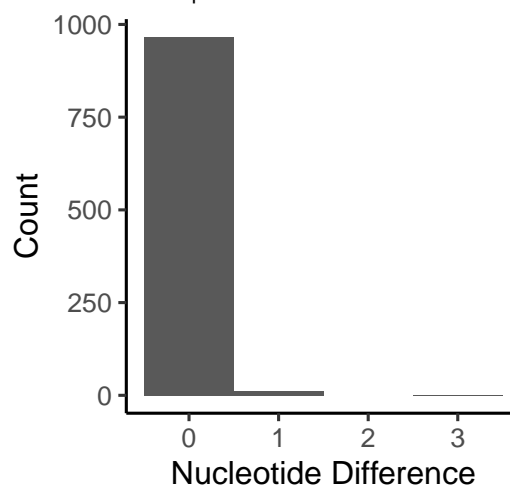
TRBV6–56*ap02

1286 sequences assigned
1122 (87.2%) exact matches, in which:
1089 unique CDR3
13 unique J



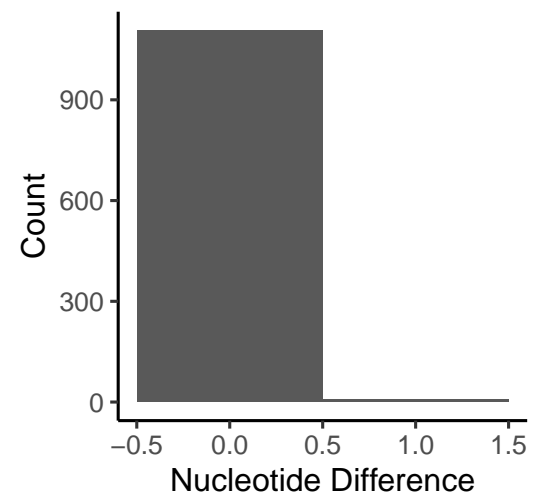
TRBV7–3*ap01

978 sequences assigned
966 (98.8%) exact matches, in which:
957 unique CDR3
13 unique J



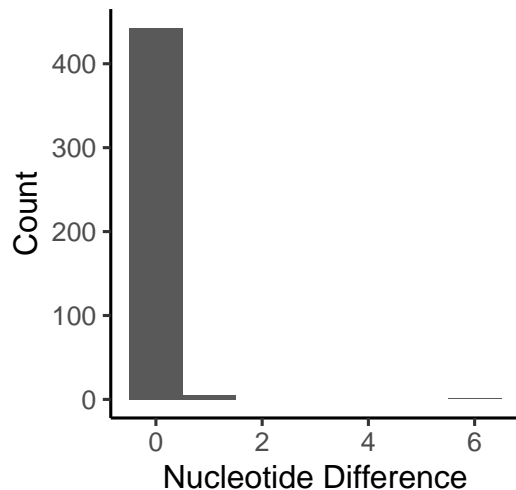
TRBV7–6*ap01

1115 sequences assigned
1107 (99.3%) exact matches, in which:
1092 unique CDR3
13 unique J



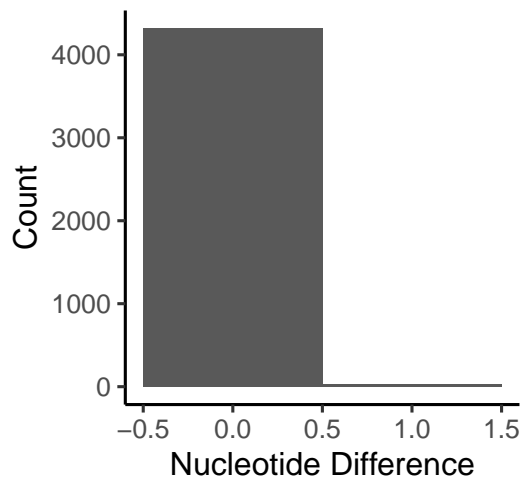
TRBV7-7*ap01_C315T

449 sequences assigned
443 (98.7%) exact matches, in which:
433 unique CDR3
13 unique J



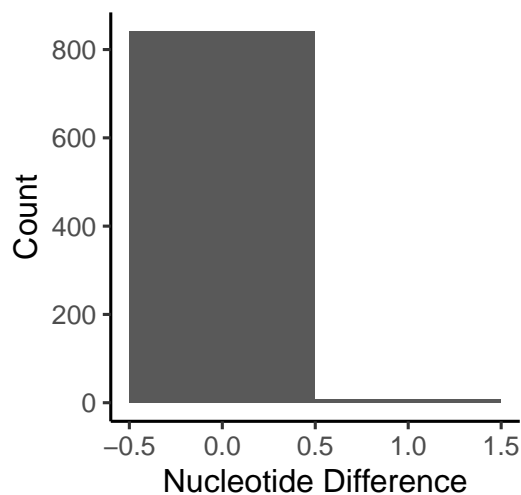
TRBV7-9*ap01

4354 sequences assigned
4318 (99.2%) exact matches, in which:
4231 unique CDR3
13 unique J



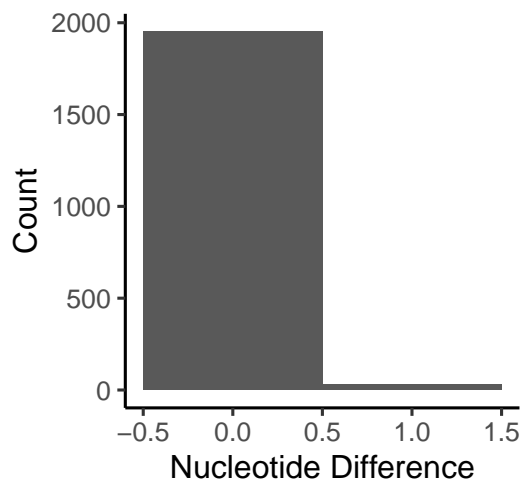
TRBV7-8*ap01

851 sequences assigned
842 (98.9%) exact matches, in which:
827 unique CDR3
13 unique J



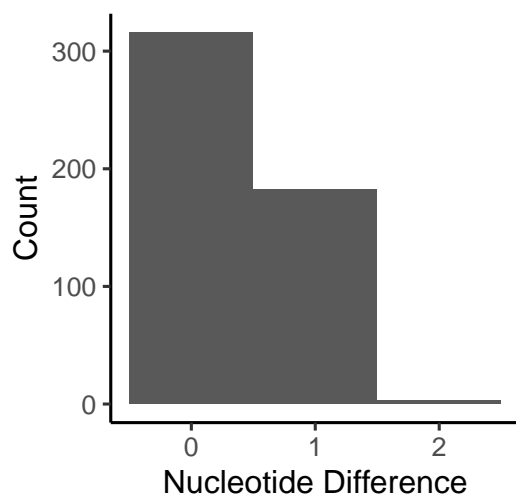
TRBV29-1*ap01

1979 sequences assigned
1951 (98.6%) exact matches, in which:
1852 unique CDR3
13 unique J



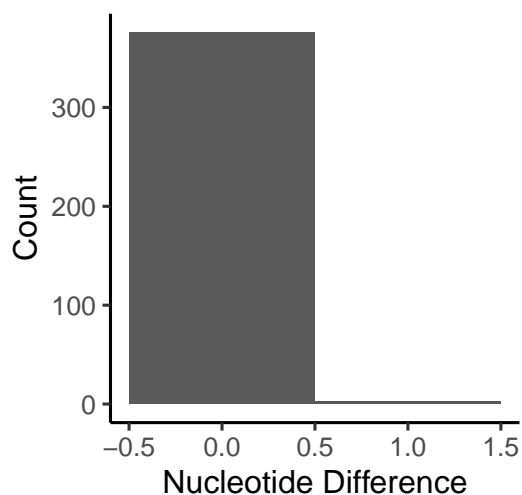
TRBV7-8*ap03

501 sequences assigned
316 (63.1%) exact matches, in which:
313 unique CDR3
13 unique J

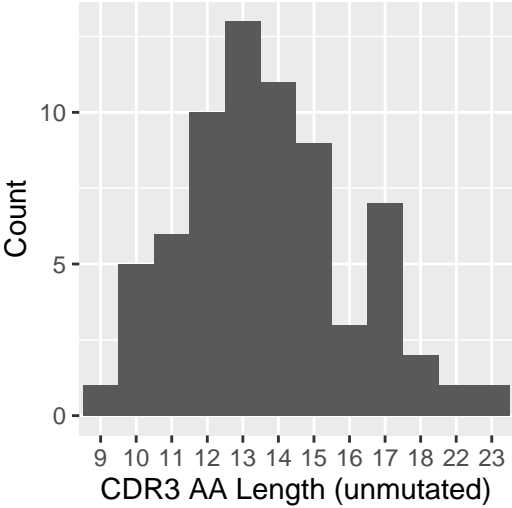


TRBV29-1*ap02

379 sequences assigned
376 (99.2%) exact matches, in which:
356 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

