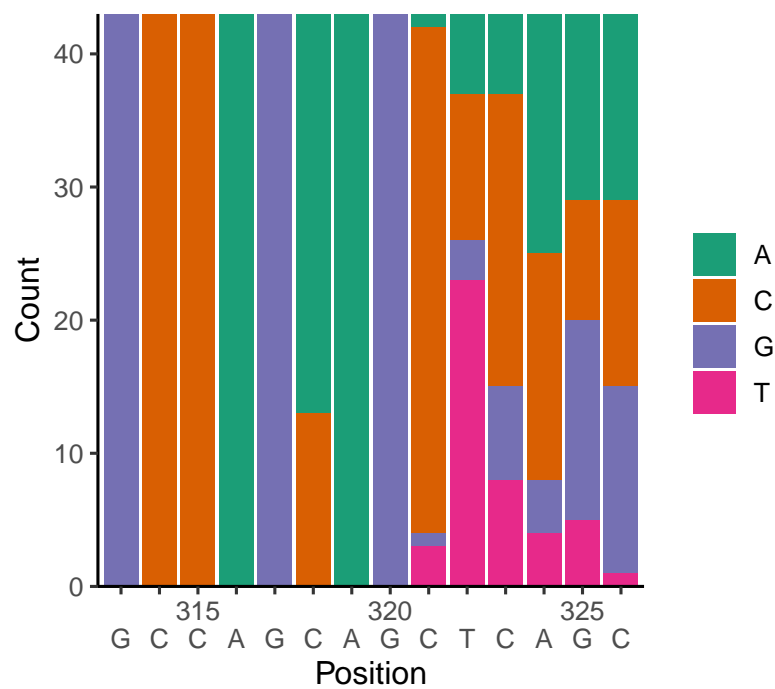
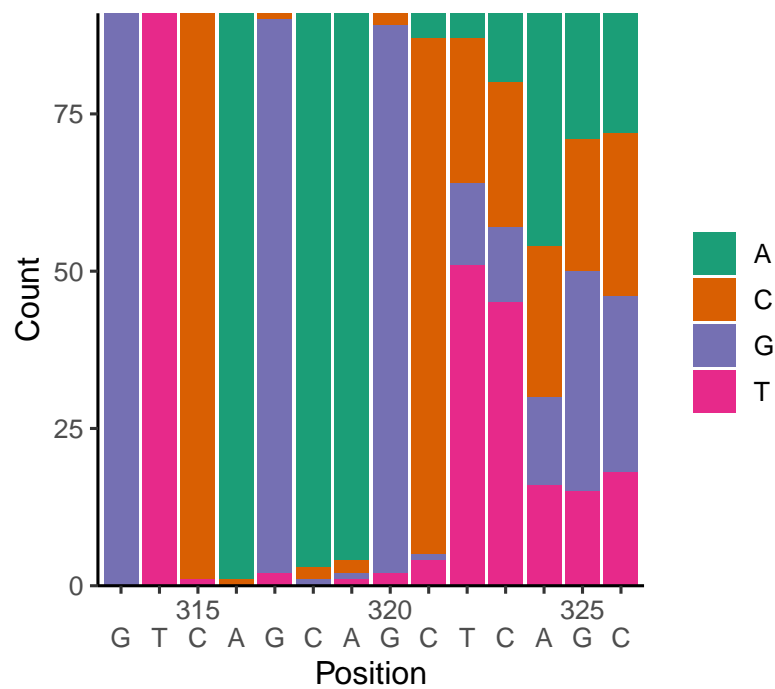


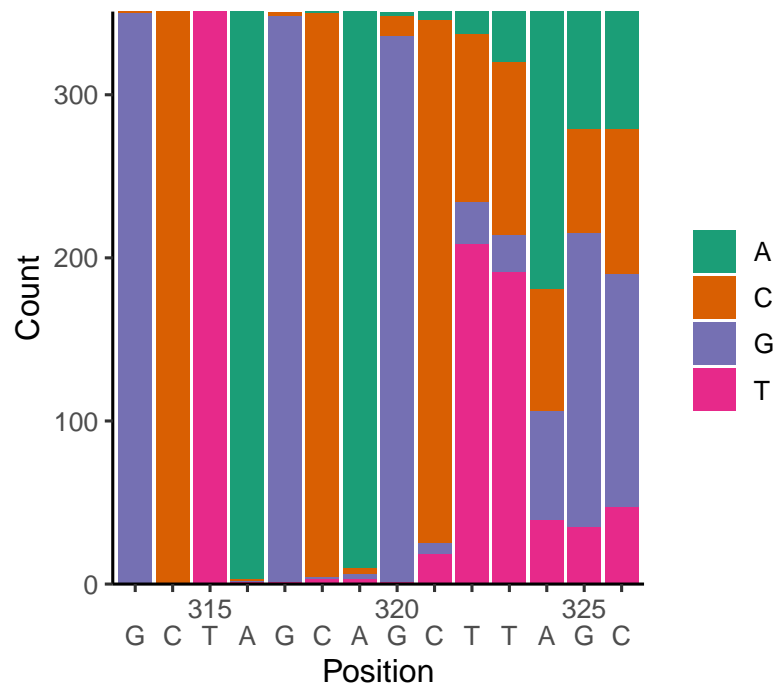
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C_C314T



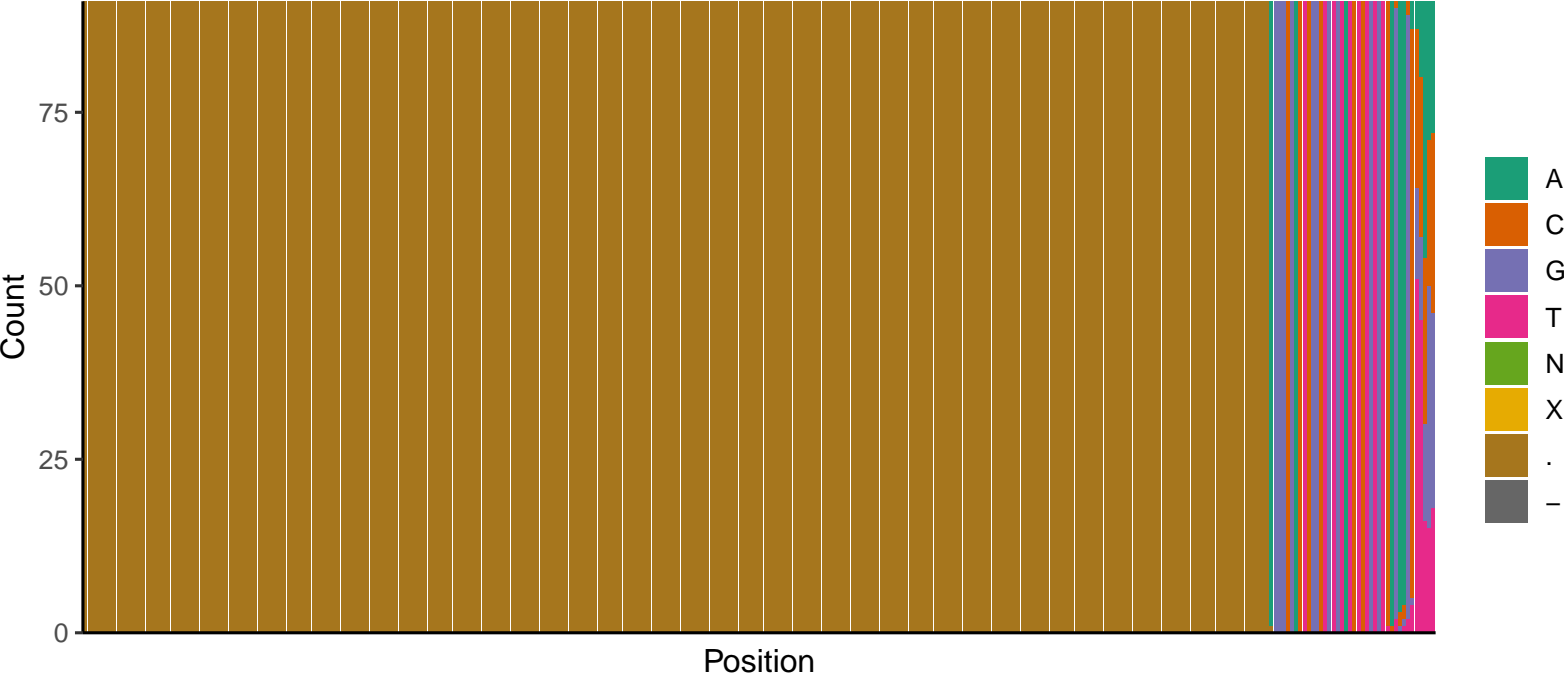
Gene TRBV7-7*ap01_C315T



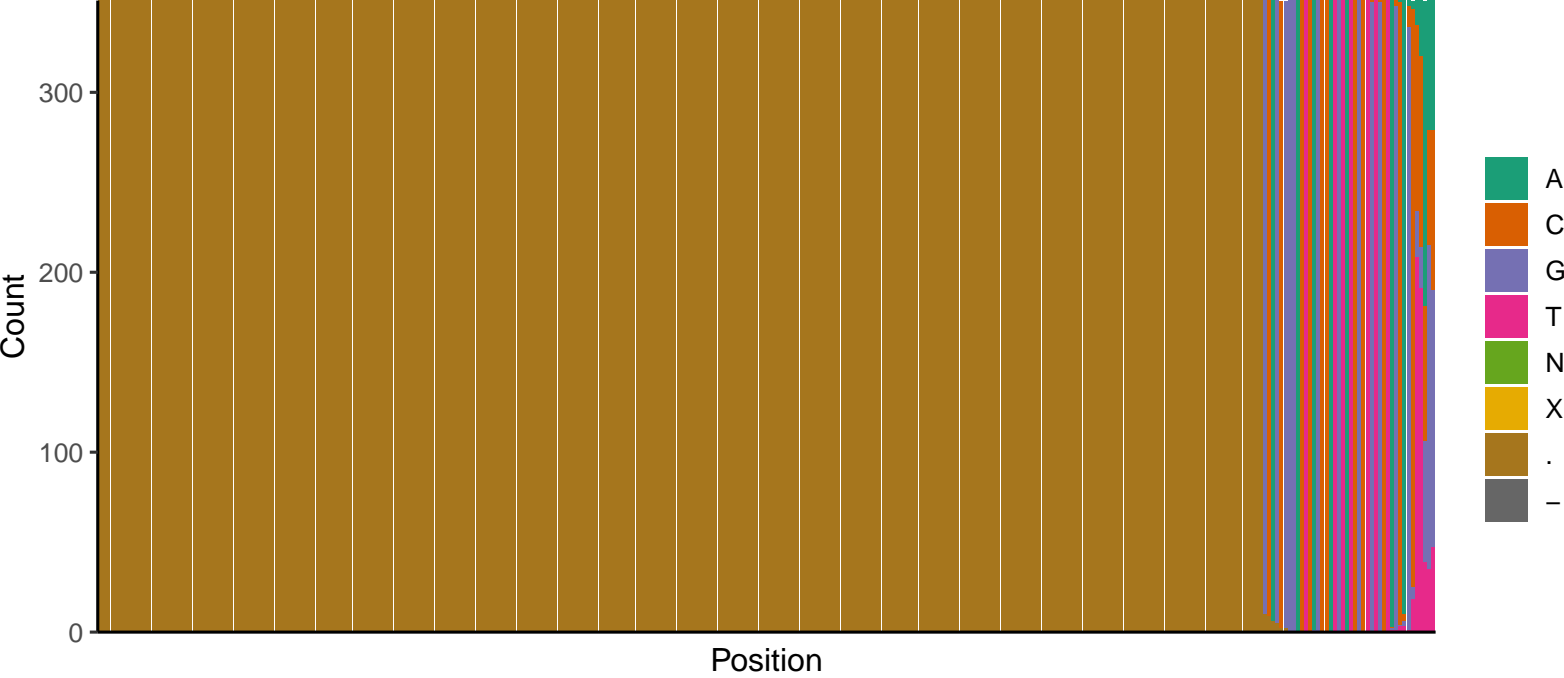
Gene TRBV7-1*ap01_T296C



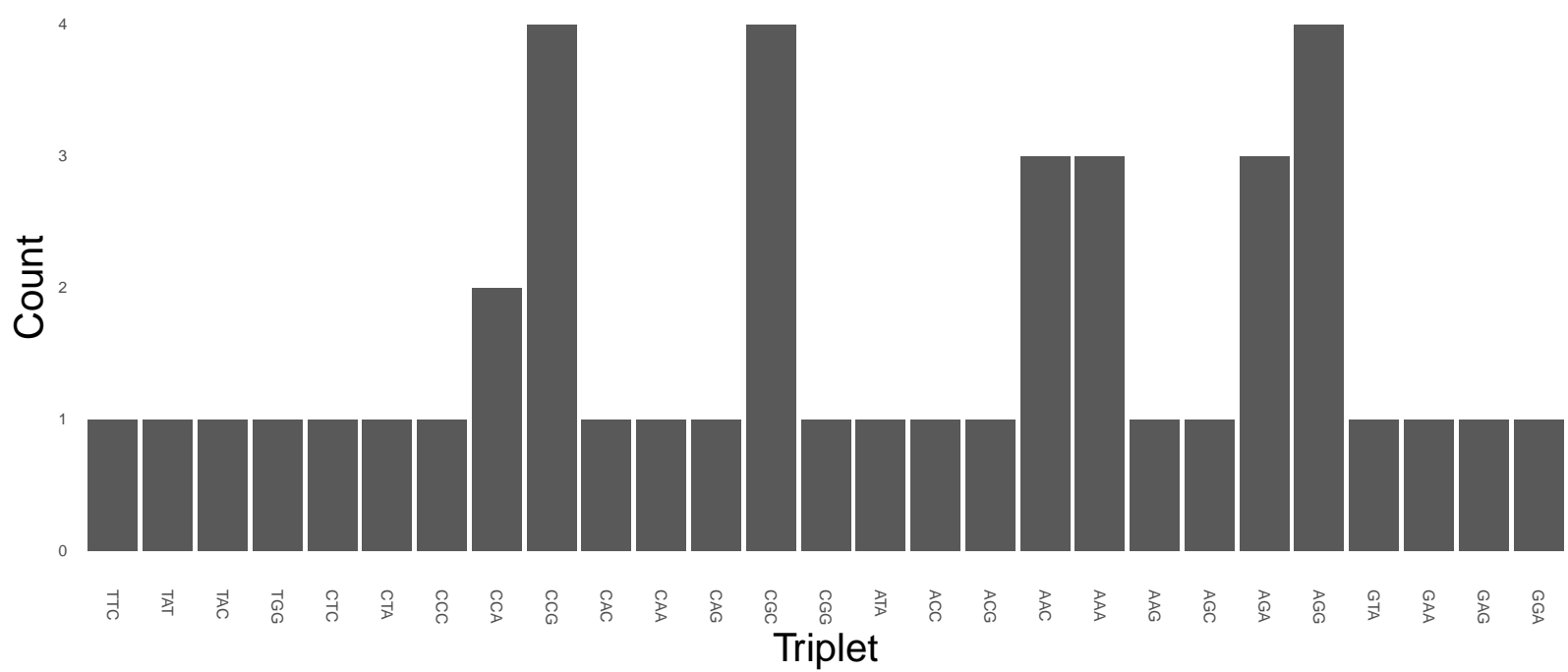
Gene TRBV7-1*ap01_T296C_C314T



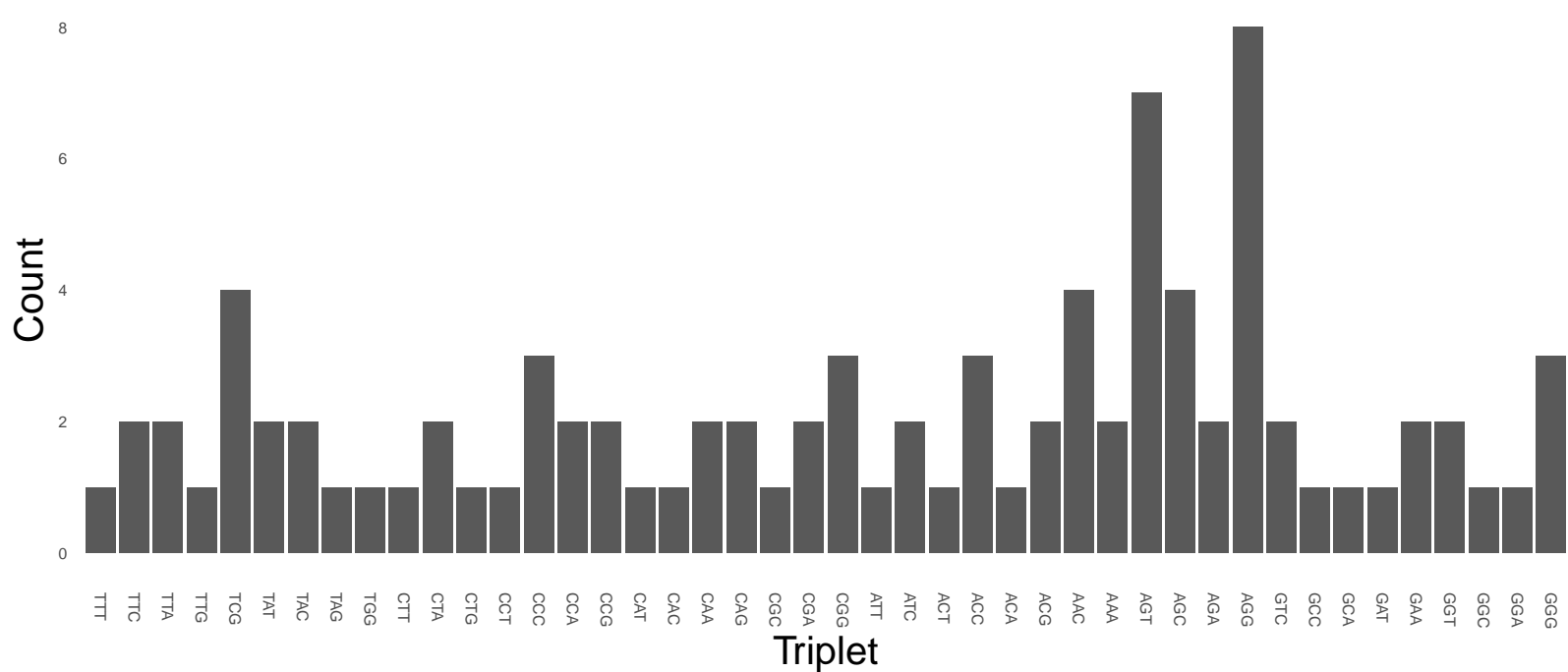
Gene TRBV7-7*ap01_C315T



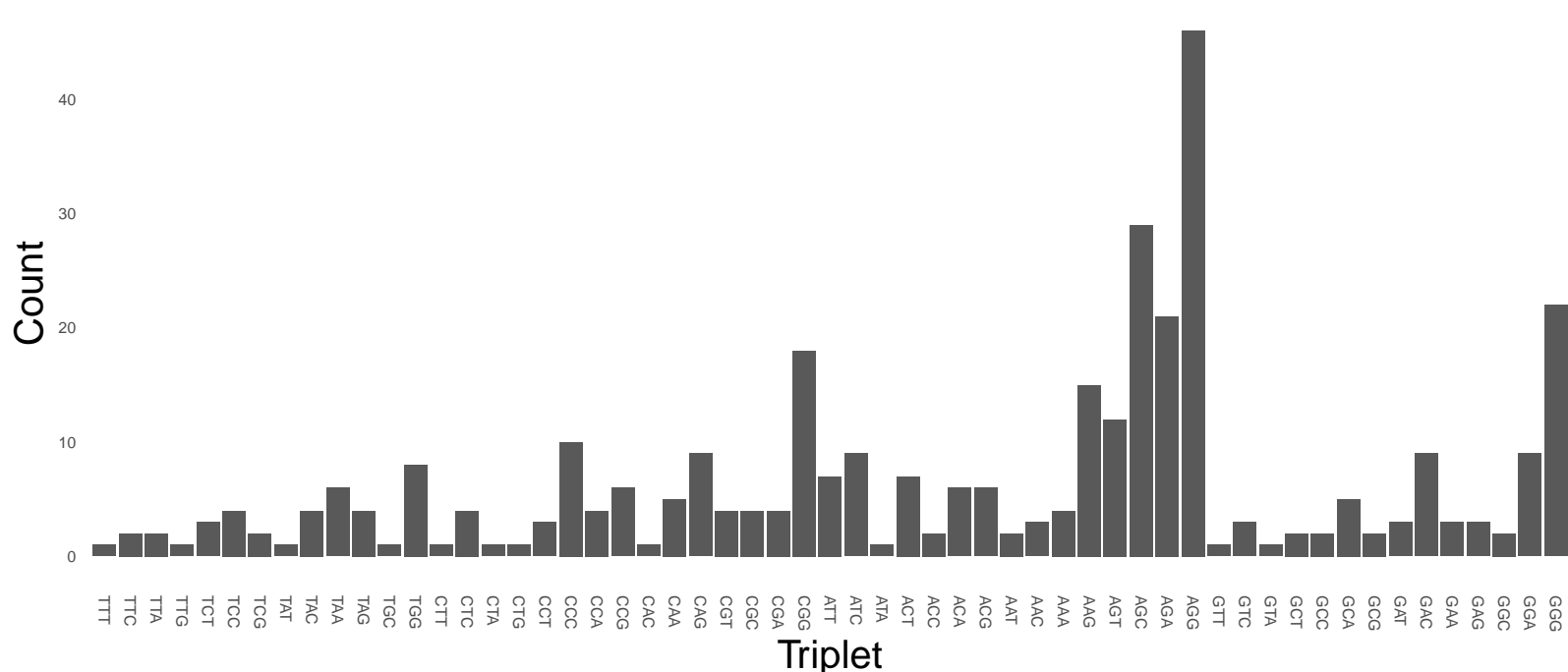
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

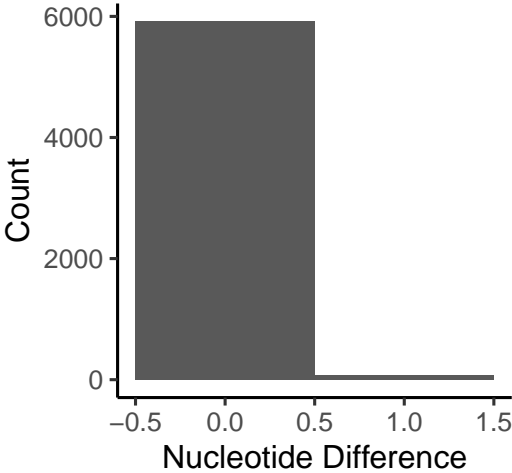


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



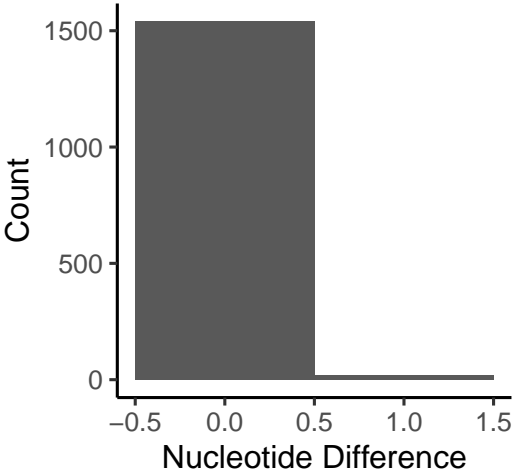
TRBV20-1*ap01

5984 sequences assigned
5917 (98.9%) exact matches, in which:
5848 unique CDR3
13 unique J



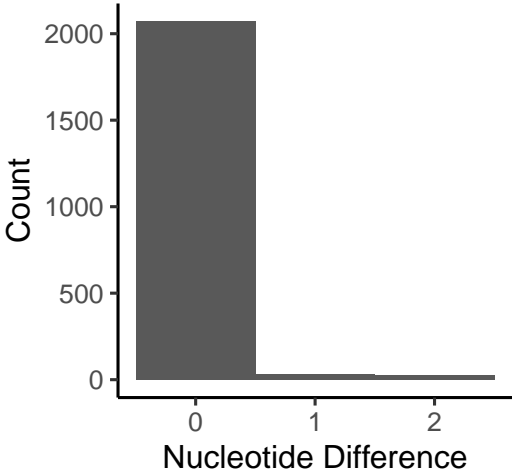
TRBV10-2*ap01

1561 sequences assigned
1540 (98.7%) exact matches, in which:
1514 unique CDR3
13 unique J



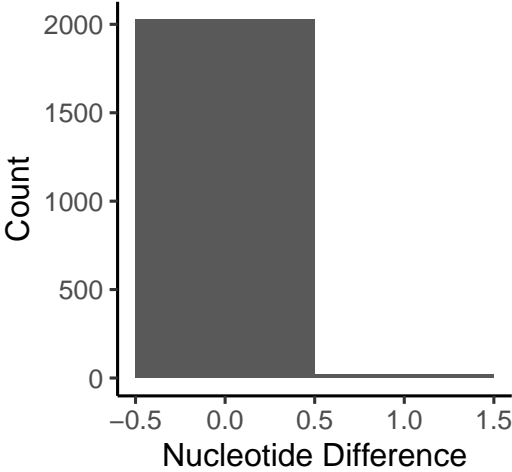
TRBV13*ap01

2130 sequences assigned
2071 (97.2%) exact matches, in which:
2021 unique CDR3
13 unique J



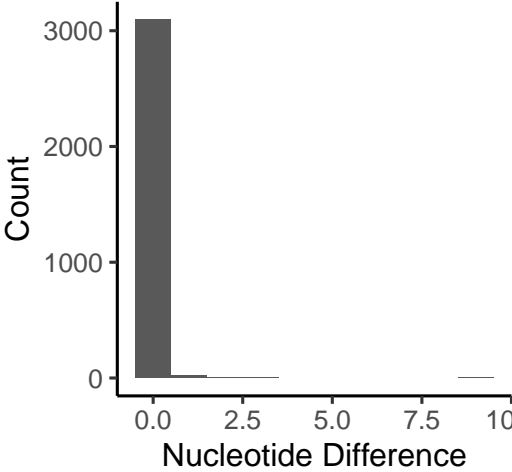
TRBV10-1*ap01

2048 sequences assigned
2026 (98.9%) exact matches, in which:
1998 unique CDR3
13 unique J



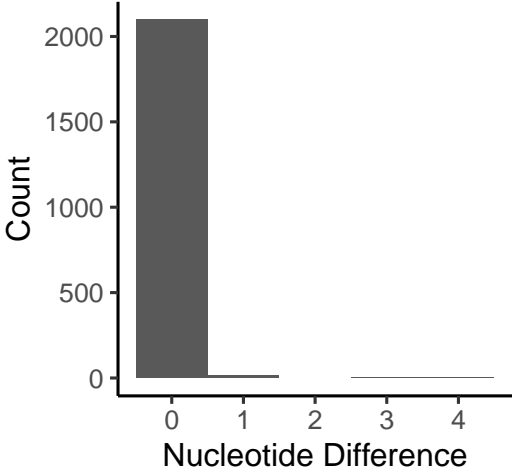
TRBV10-3*ap01

3123 sequences assigned
3095 (99.1%) exact matches, in which:
3051 unique CDR3
13 unique J



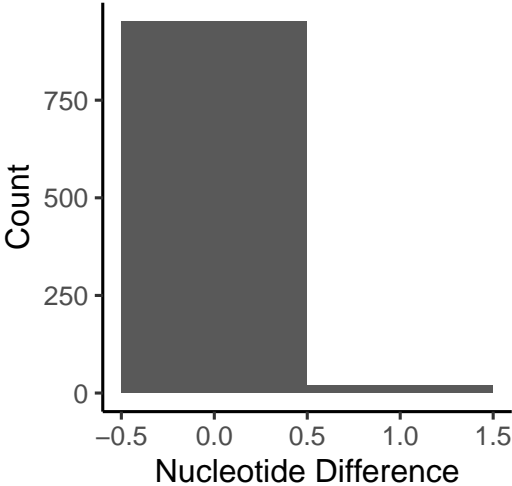
TRBV14*ap01

2113 sequences assigned
2098 (99.3%) exact matches, in which:
2072 unique CDR3
13 unique J



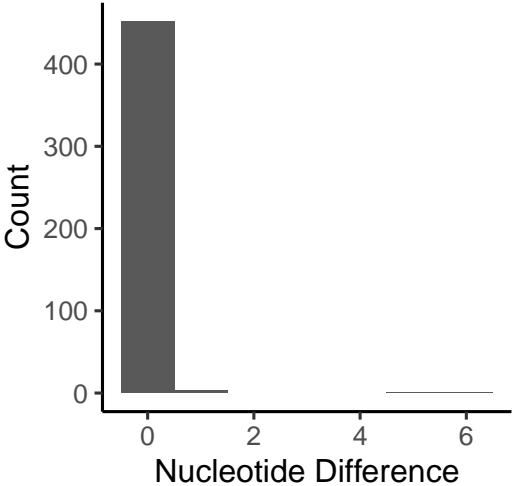
TRBV20-1*ap02

971 sequences assigned
952 (98%) exact matches, in which:
942 unique CDR3
13 unique J



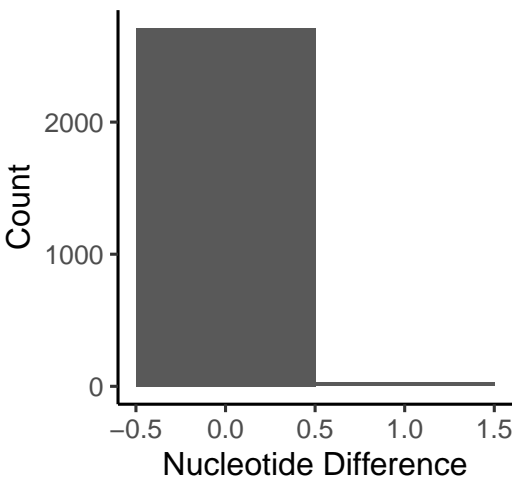
TRBV1*ap01

457 sequences assigned
452 (98.9%) exact matches, in which:
442 unique CDR3
13 unique J



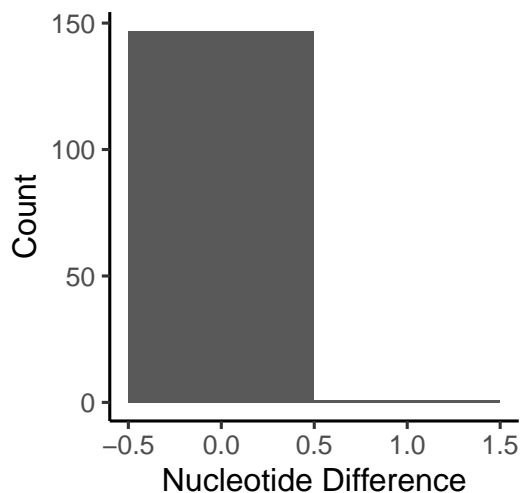
TRBV15*ap02

2741 sequences assigned
2712 (98.9%) exact matches, in which:
2657 unique CDR3
13 unique J



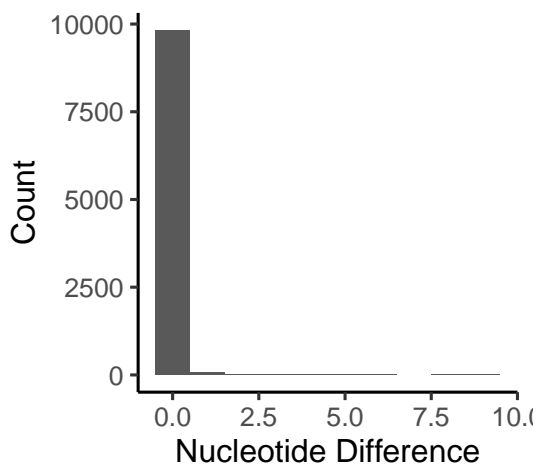
TRBV16*ap01

148 sequences assigned
147 (99.3%) exact matches, in which:
147 unique CDR3
13 unique J



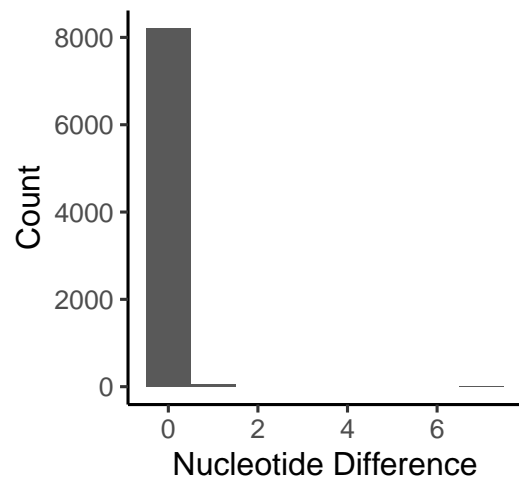
TRBV19*ap01

9918 sequences assigned
9826 (99.1%) exact matches, in which:
9742 unique CDR3
13 unique J



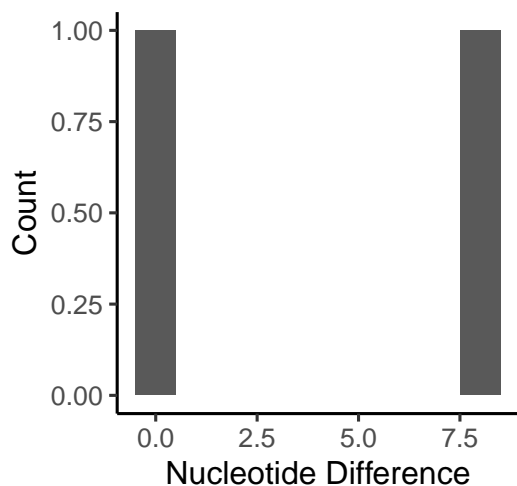
TRBV28*ap01

8272 sequences assigned
8206 (99.2%) exact matches, in which:
8090 unique CDR3
13 unique J



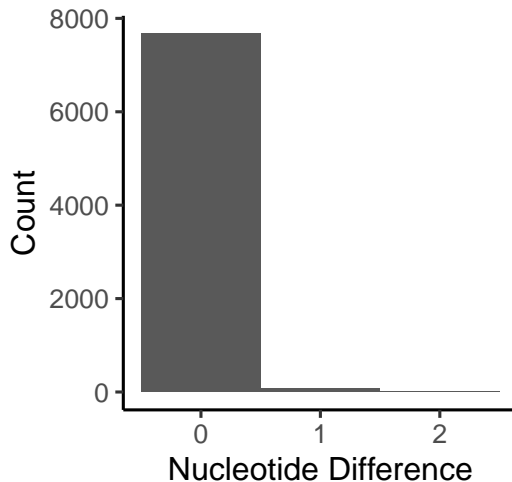
TRBV17*ap01

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



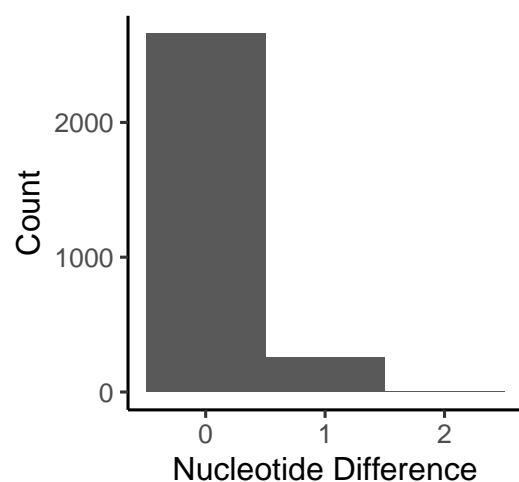
TRBV2*ap01

7754 sequences assigned
7671 (98.9%) exact matches, in which:
7546 unique CDR3
13 unique J



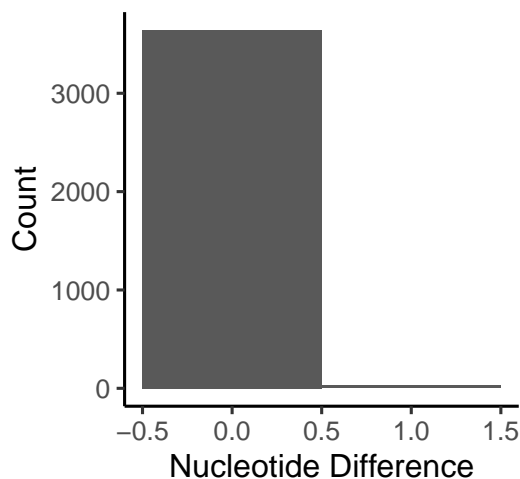
TRBV30*ap01

2916 sequences assigned
2658 (91.2%) exact matches, in which:
2585 unique CDR3
13 unique J



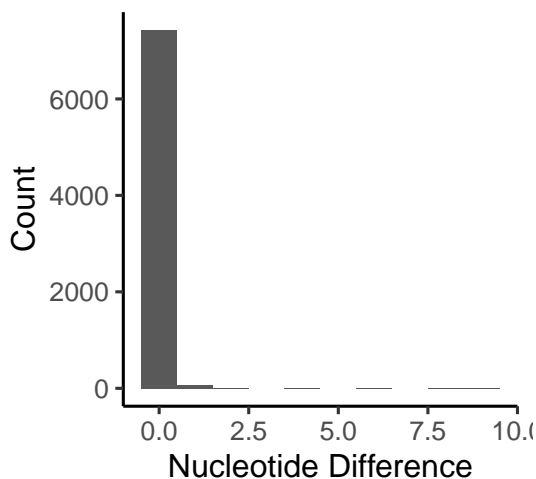
TRBV18*ap01

3670 sequences assigned
3643 (99.3%) exact matches, in which:
3614 unique CDR3
13 unique J



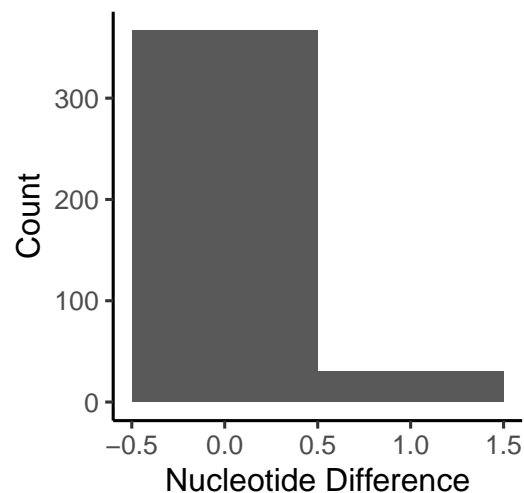
TRBV27*ap01

7508 sequences assigned
7428 (98.9%) exact matches, in which:
7288 unique CDR3
13 unique J



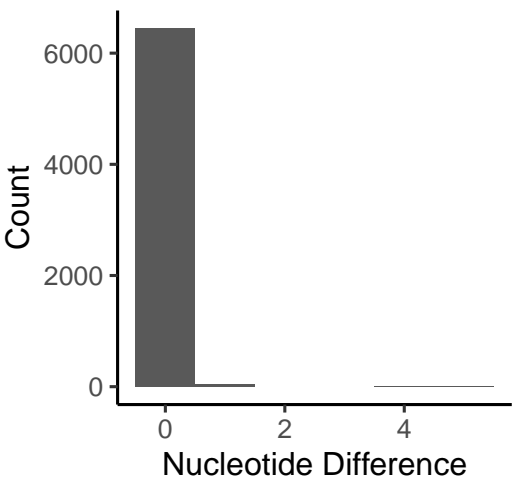
TRBV30*ap03

397 sequences assigned
367 (92.4%) exact matches, in which:
355 unique CDR3
13 unique J



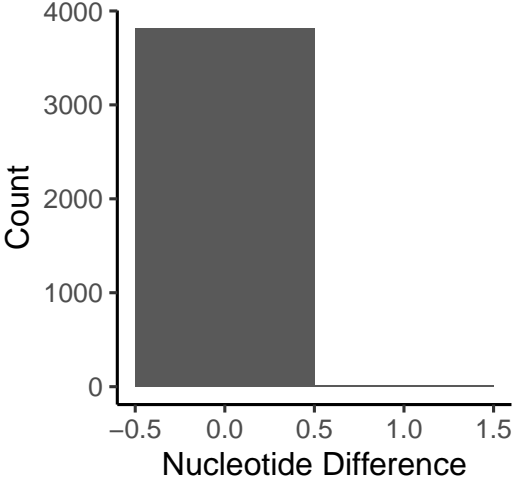
TRBV9*ap01

6499 sequences assigned
6445 (99.2%) exact matches, in which:
6367 unique CDR3
13 unique J



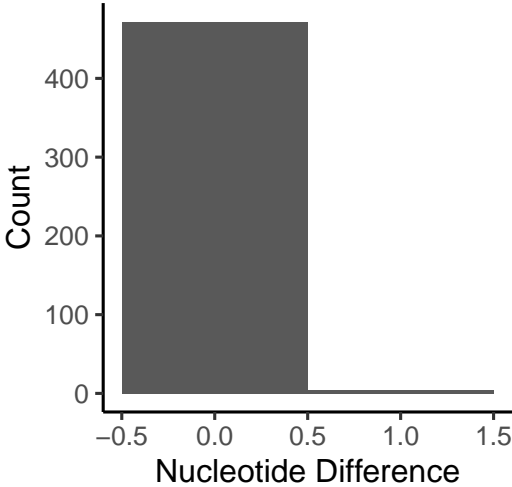
TRBV11-2*ap01

3833 sequences assigned
3814 (99.5%) exact matches, in which:
3788 unique CDR3
13 unique J



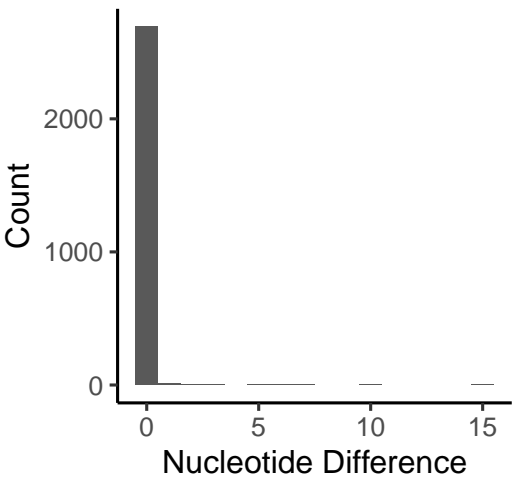
TRBV12-2*ap01

476 sequences assigned
472 (99.2%) exact matches, in which:
467 unique CDR3
13 unique J



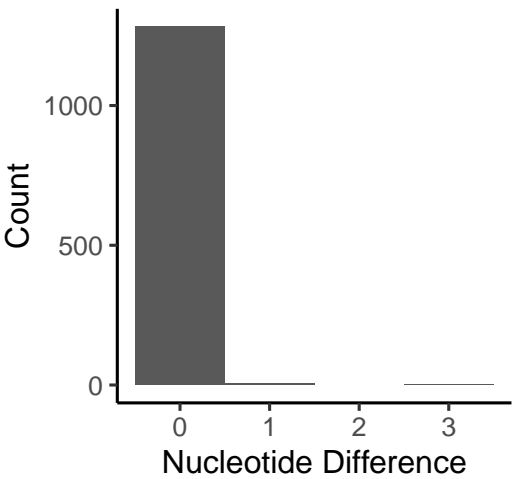
TRBV21-1*ap01

2725 sequences assigned
2692 (98.8%) exact matches, in which:
2678 unique CDR3
13 unique J



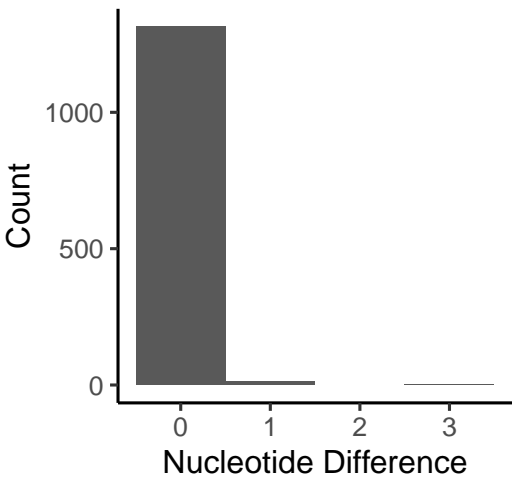
TRBV11-3*ap01

1287 sequences assigned
1282 (99.6%) exact matches, in which:
1273 unique CDR3
13 unique J



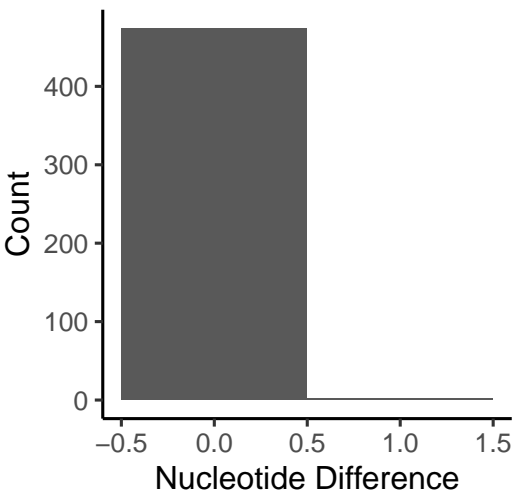
TRBV12-5*ap01

1329 sequences assigned
1314 (98.9%) exact matches, in which:
1300 unique CDR3
13 unique J



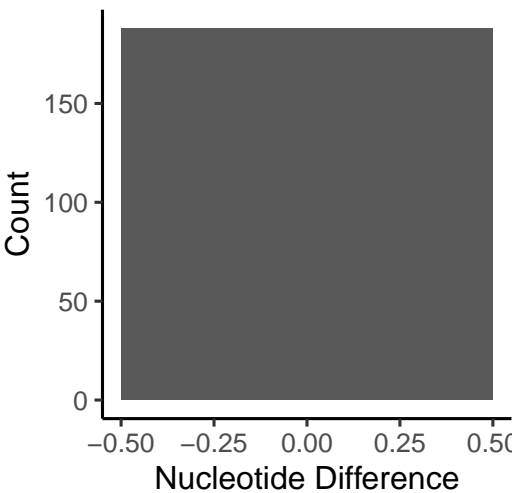
TRBV11-1*ap01

476 sequences assigned
474 (99.6%) exact matches, in which:
470 unique CDR3
13 unique J



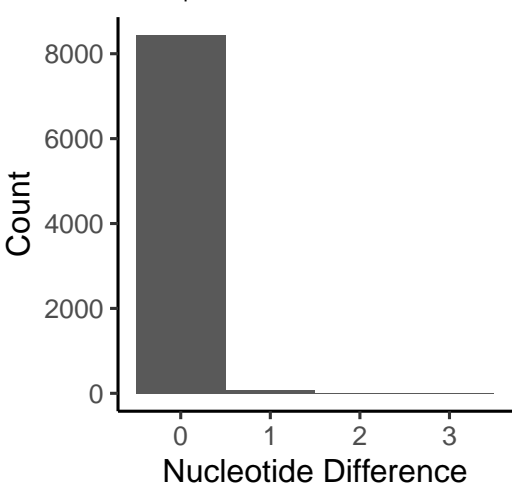
TRBV12-1*ap01

188 sequences assigned
188 (100%) exact matches, in which:
186 unique CDR3
13 unique J



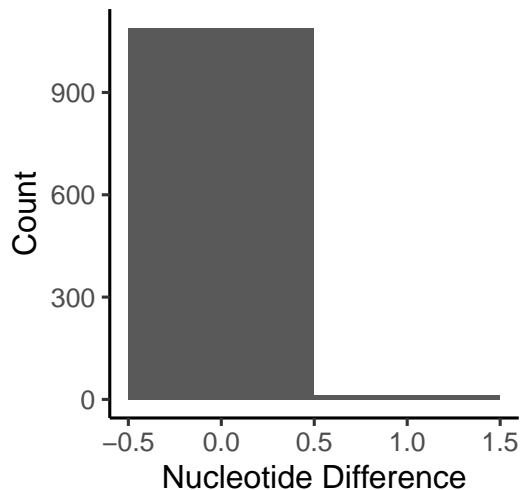
TRBV12-34*ap01

8520 sequences assigned
8440 (99.1%) exact matches, in which:
8303 unique CDR3
13 unique J



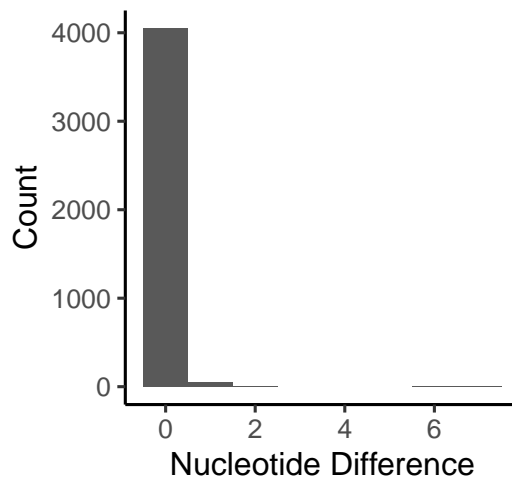
TRBV23–1*ap01

1104 sequences assigned
1090 (98.7%) exact matches, in which:
1080 unique CDR3
13 unique J



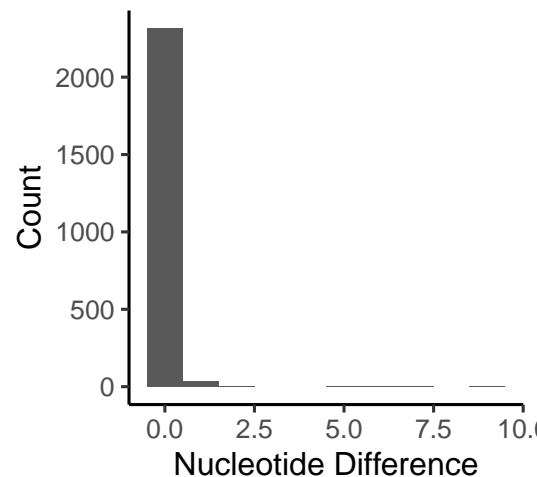
TRBV24–1*ap01

4106 sequences assigned
4049 (98.6%) exact matches, in which:
3978 unique CDR3
13 unique J



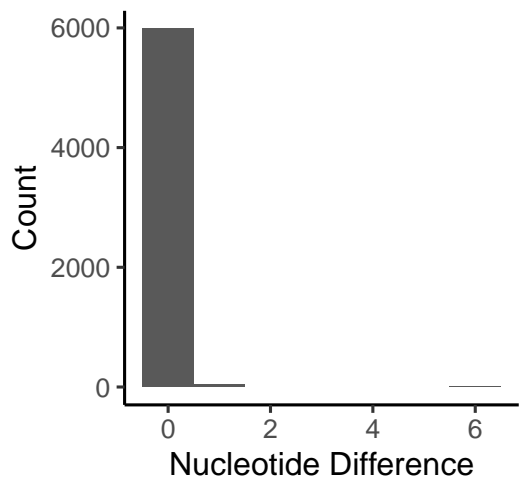
TRBV25–1*ap01

2357 sequences assigned
2315 (98.2%) exact matches, in which:
2257 unique CDR3
13 unique J



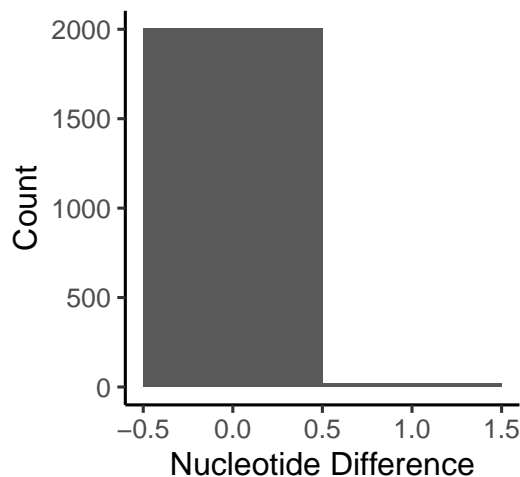
TRBV3–12*ap01

6036 sequences assigned
5986 (99.2%) exact matches, in which:
5932 unique CDR3
13 unique J



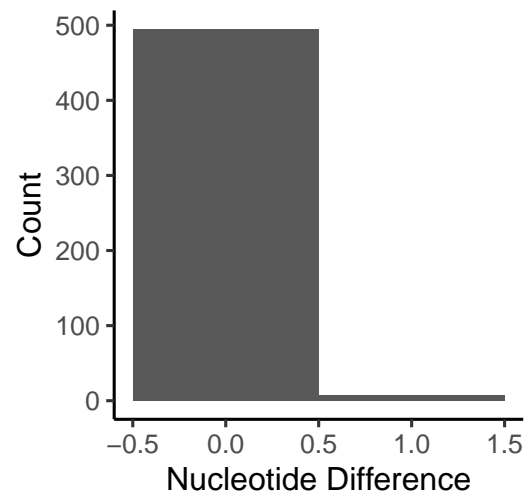
TRBV4–2*ap01

2025 sequences assigned
2003 (98.9%) exact matches, in which:
1957 unique CDR3
13 unique J



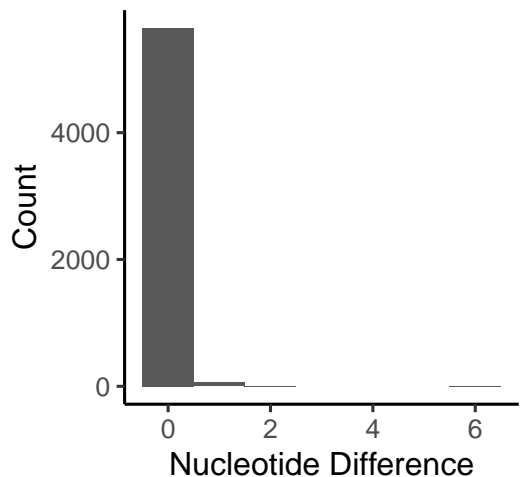
TRBV5–3*ap01

503 sequences assigned
495 (98.4%) exact matches, in which:
482 unique CDR3
13 unique J



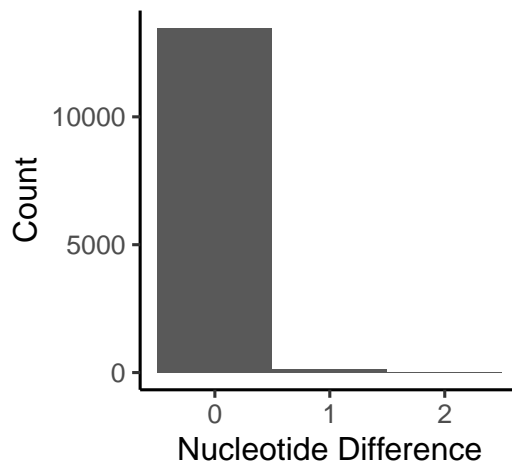
TRBV4–1*ap01

5711 sequences assigned
5650 (98.9%) exact matches, in which:
5507 unique CDR3
13 unique J



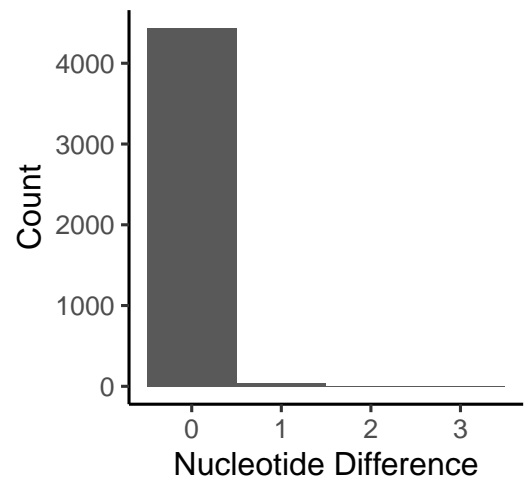
TRBV5–1*ap01

13607 sequences assigned
13482 (99.1%) exact matches, in which:
13205 unique CDR3
13 unique J



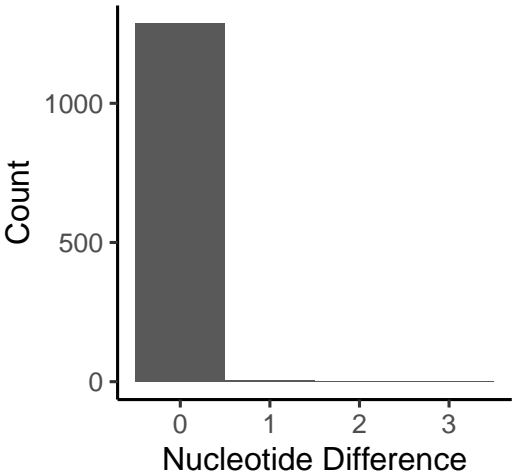
TRBV5–4*ap01

4482 sequences assigned
4436 (99%) exact matches, in which:
4330 unique CDR3
13 unique J



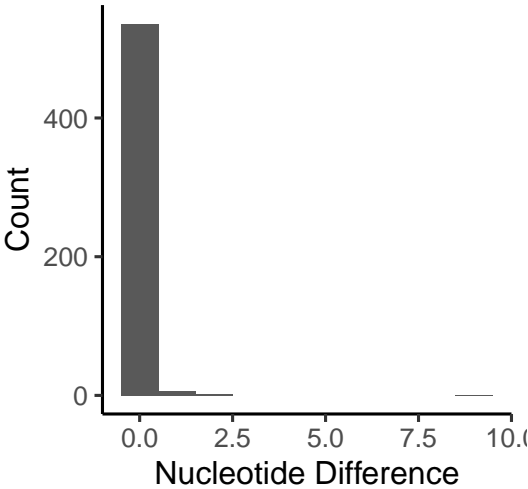
TRBV5-5*ap01

1296 sequences assigned
1287 (99.3%) exact matches, in which:
1278 unique CDR3
13 unique J



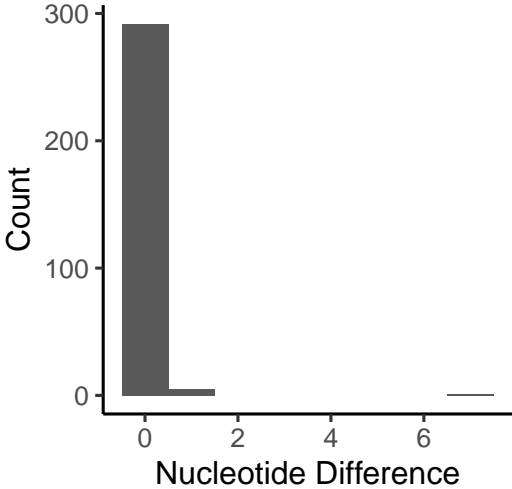
TRBV5-8*ap01

545 sequences assigned
536 (98.3%) exact matches, in which:
527 unique CDR3
13 unique J



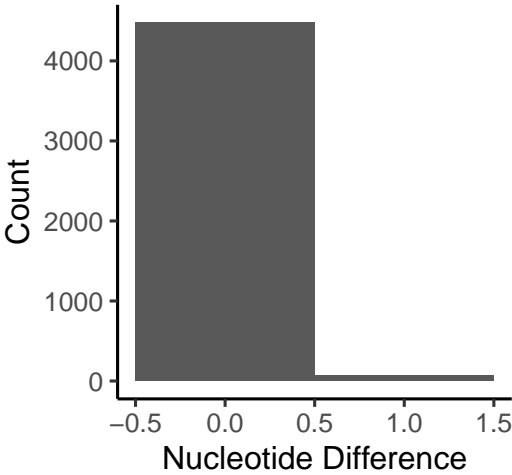
TRBV6-7*ap01

298 sequences assigned
292 (98%) exact matches, in which:
286 unique CDR3
13 unique J



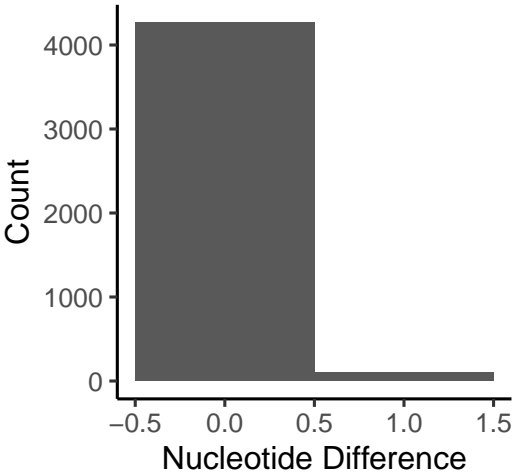
TRBV5-6*ap01

4541 sequences assigned
4477 (98.6%) exact matches, in which:
4363 unique CDR3
13 unique J



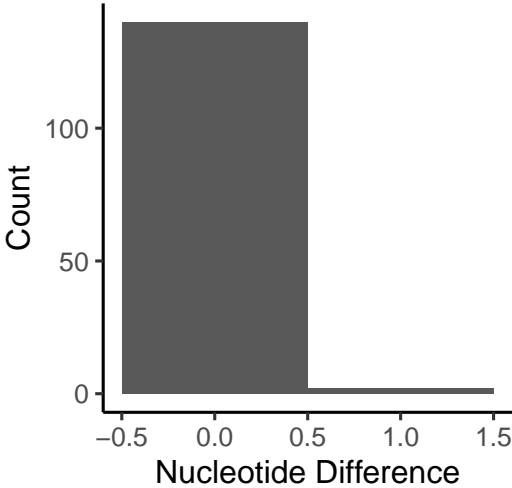
TRBV6-1*ap01

4363 sequences assigned
4265 (97.8%) exact matches, in which:
4163 unique CDR3
13 unique J



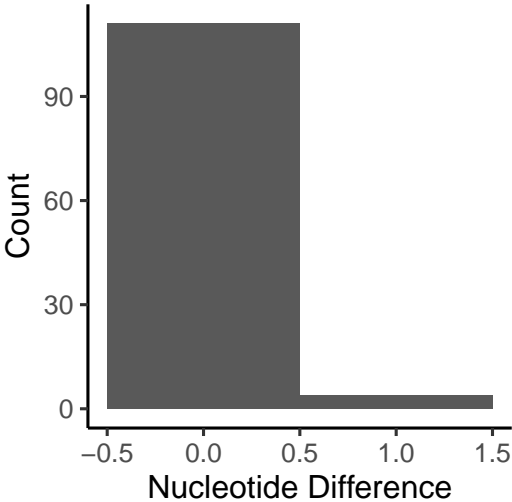
TRBV6-8*ap01

142 sequences assigned
140 (98.6%) exact matches, in which:
137 unique CDR3
12 unique J



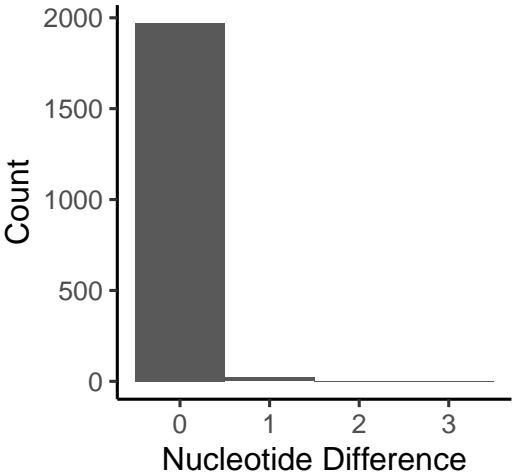
TRBV5-7*ap01

115 sequences assigned
111 (96.5%) exact matches, in which:
107 unique CDR3
13 unique J



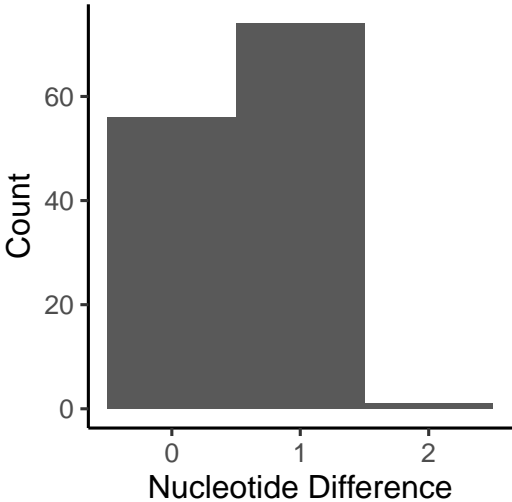
TRBV6-4*ap01

1997 sequences assigned
1971 (98.7%) exact matches, in which:
1955 unique CDR3
13 unique J



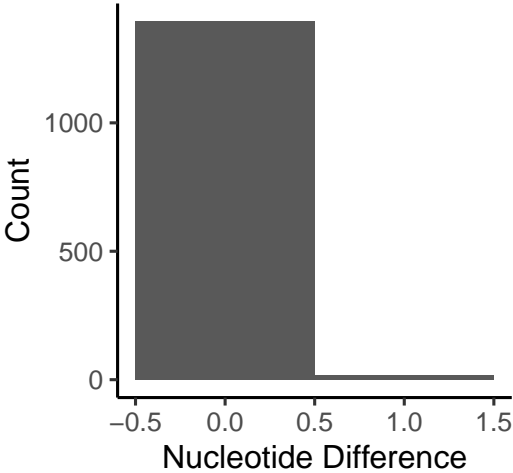
TRBV6-9*ap01

131 sequences assigned
56 (42.7%) exact matches, in which:
56 unique CDR3
12 unique J



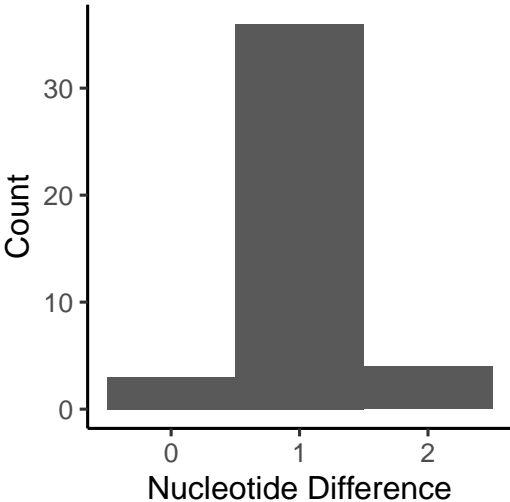
TRBV6-23*ap01

1411 sequences assigned
1395 (98.9%) exact matches, in which:
1354 unique CDR3
13 unique J



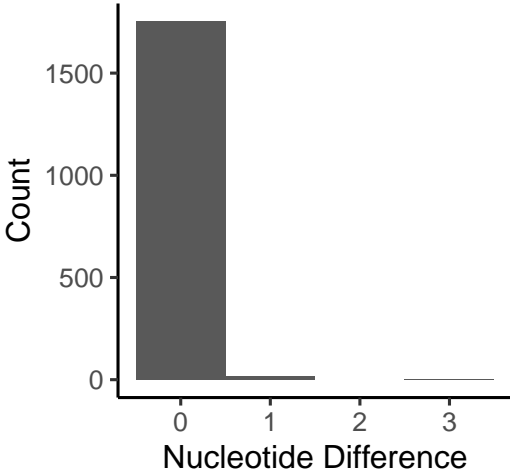
TRBV7-1*ap01_T296C

43 sequences assigned
3 (7%) exact matches, in which:
3 unique CDR3
3 unique J



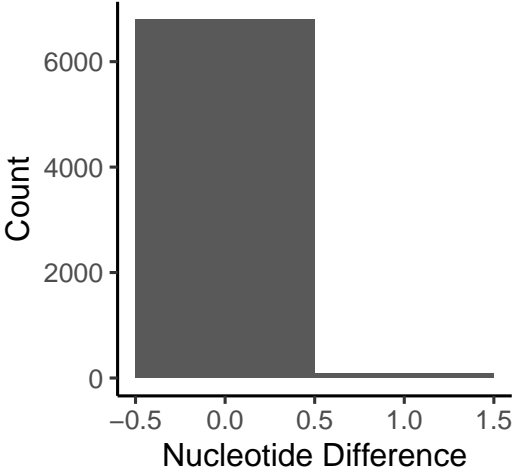
TRBV7-3*ap01

1769 sequences assigned
1753 (99.1%) exact matches, in which:
1727 unique CDR3
13 unique J



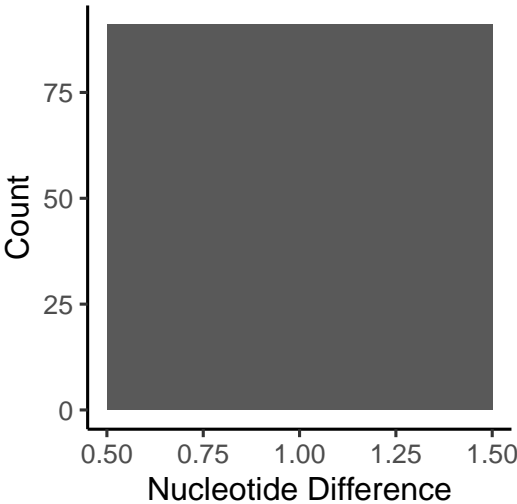
TRBV6-56*ap01

6873 sequences assigned
6795 (98.9%) exact matches, in which:
6615 unique CDR3
13 unique J



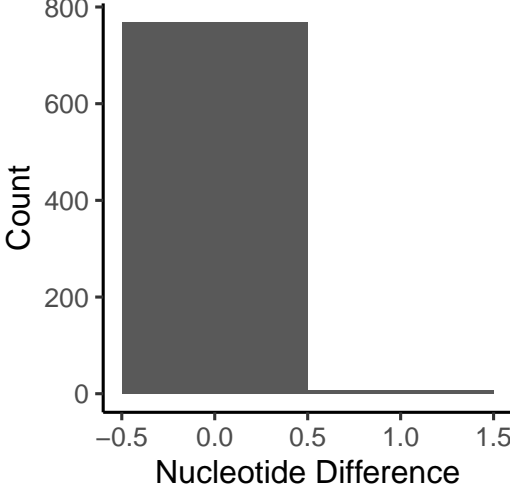
TRBV7-1*ap01_T296C_C

91 sequences assigned
No exact matches.



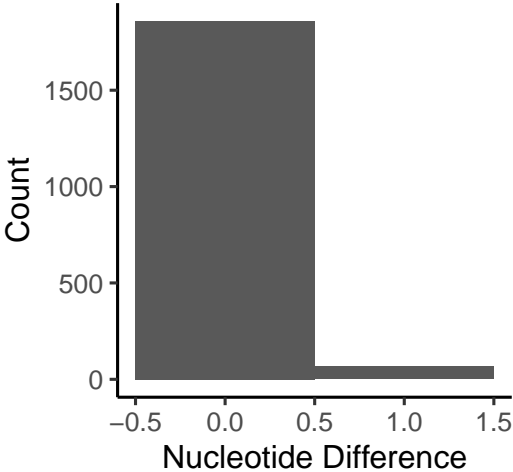
TRBV7-3*ap03

776 sequences assigned
769 (99.1%) exact matches, in which:
764 unique CDR3
13 unique J



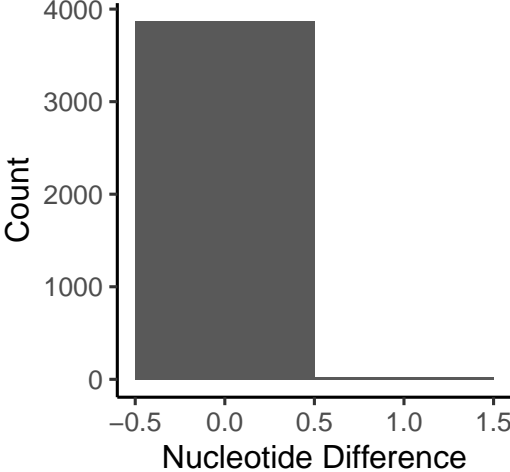
TRBV6-56*ap02

1926 sequences assigned
1859 (96.5%) exact matches, in which:
1806 unique CDR3
13 unique J



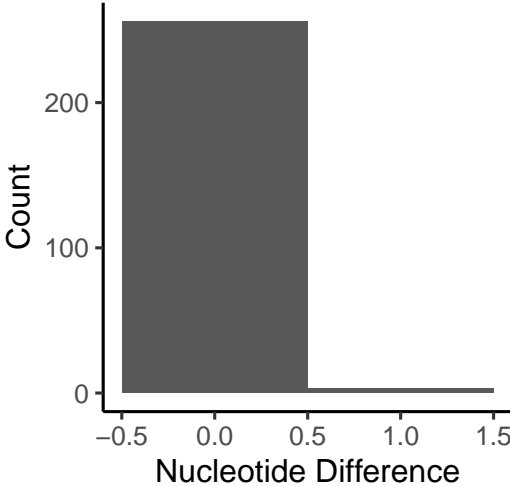
TRBV7-2*ap01

3896 sequences assigned
3871 (99.4%) exact matches, in which:
3818 unique CDR3
13 unique J



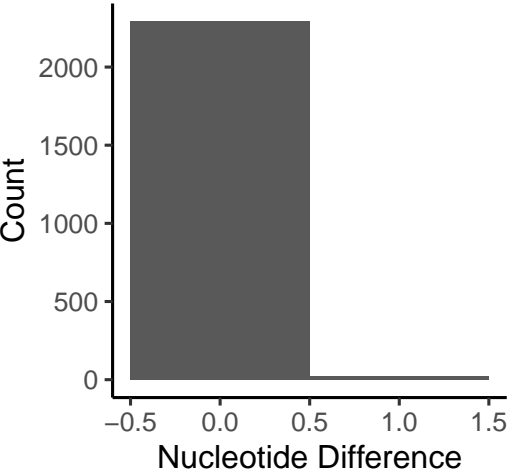
TRBV7-4*ap01

259 sequences assigned
256 (98.8%) exact matches, in which:
253 unique CDR3
13 unique J



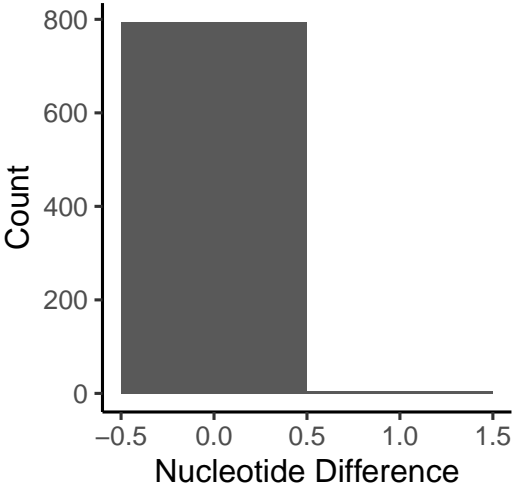
TRBV7-6*ap01

2313 sequences assigned
2292 (99.1%) exact matches, in which:
2260 unique CDR3
13 unique J



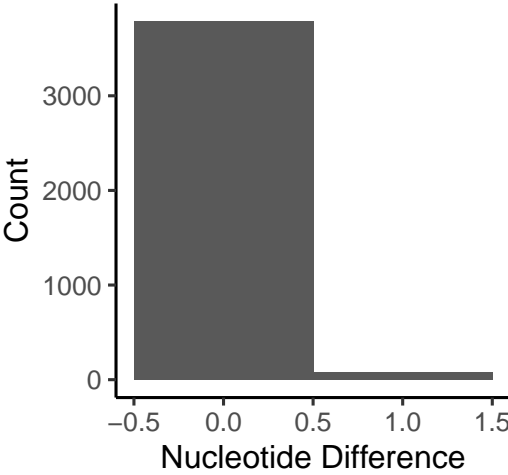
TRBV7-8*ap01

801 sequences assigned
795 (99.3%) exact matches, in which:
783 unique CDR3
13 unique J



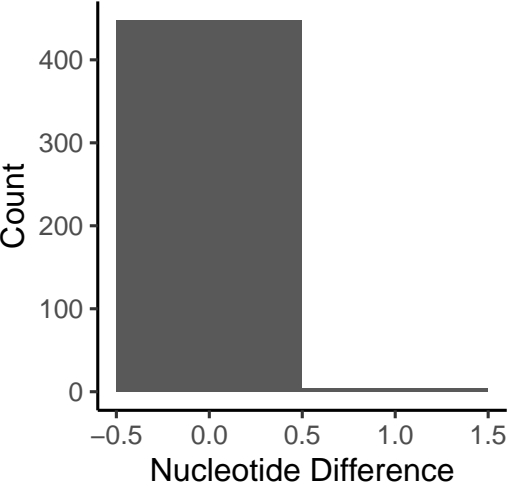
TRBV29-1*ap01

3864 sequences assigned
3786 (98%) exact matches, in which:
3703 unique CDR3
13 unique J



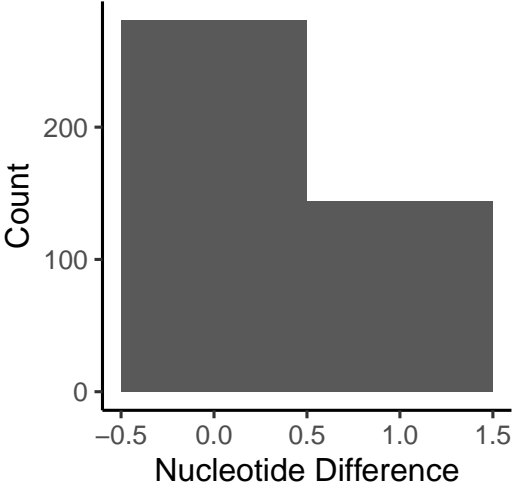
TRBV7-7*ap01

452 sequences assigned
448 (99.1%) exact matches, in which:
437 unique CDR3
13 unique J



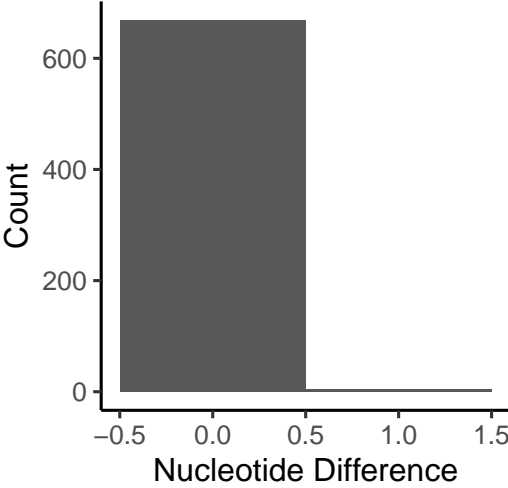
TRBV7-8*ap03

425 sequences assigned
281 (66.1%) exact matches, in which:
274 unique CDR3
12 unique J



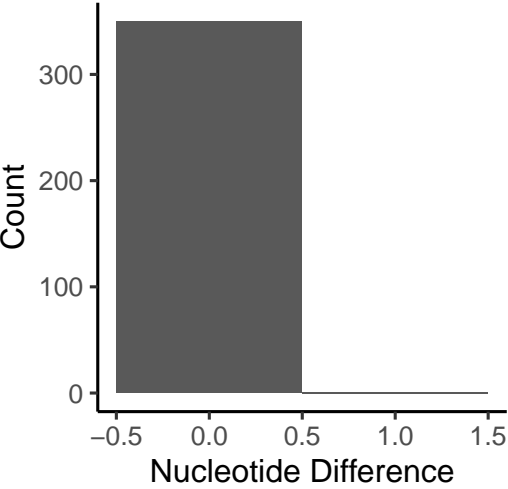
TRBV29-1*ap02

674 sequences assigned
669 (99.3%) exact matches, in which:
647 unique CDR3
13 unique J



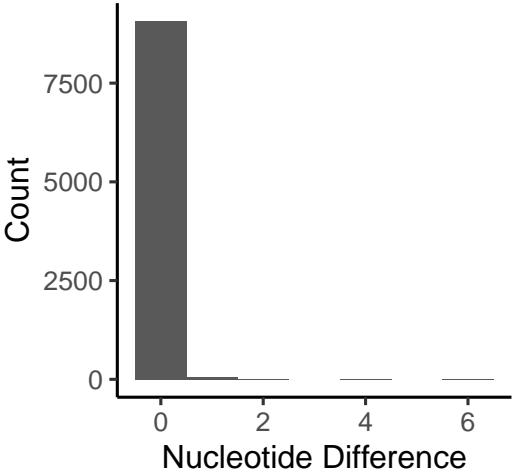
TRBV7-7*ap01_C315T

351 sequences assigned
350 (99.7%) exact matches, in which:
345 unique CDR3
13 unique J

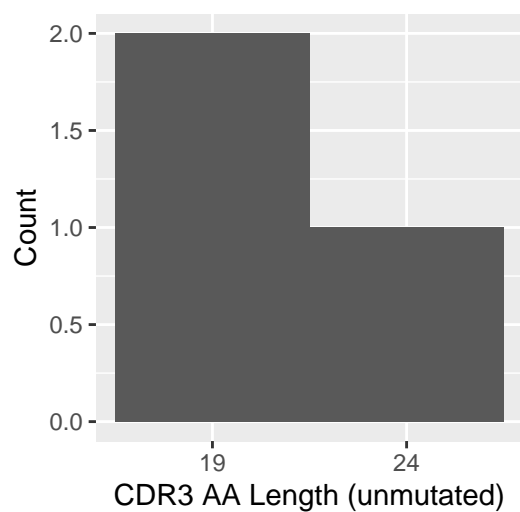


TRBV7-9*ap01

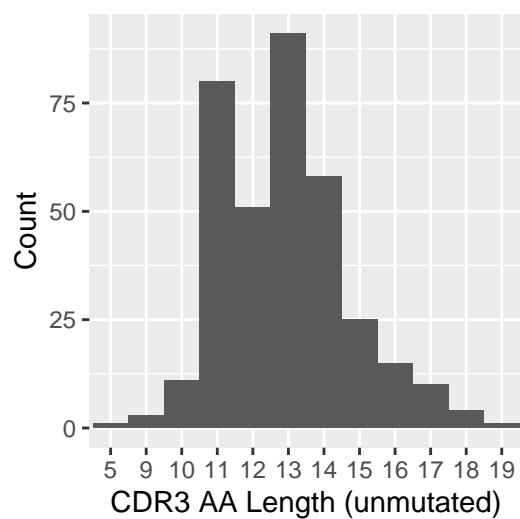
9134 sequences assigned
9072 (99.3%) exact matches, in which:
8950 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]