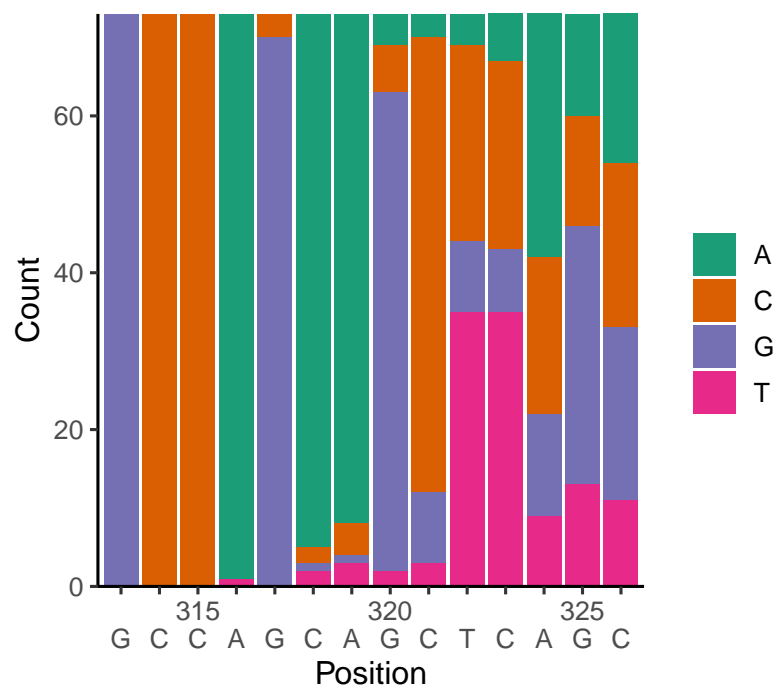
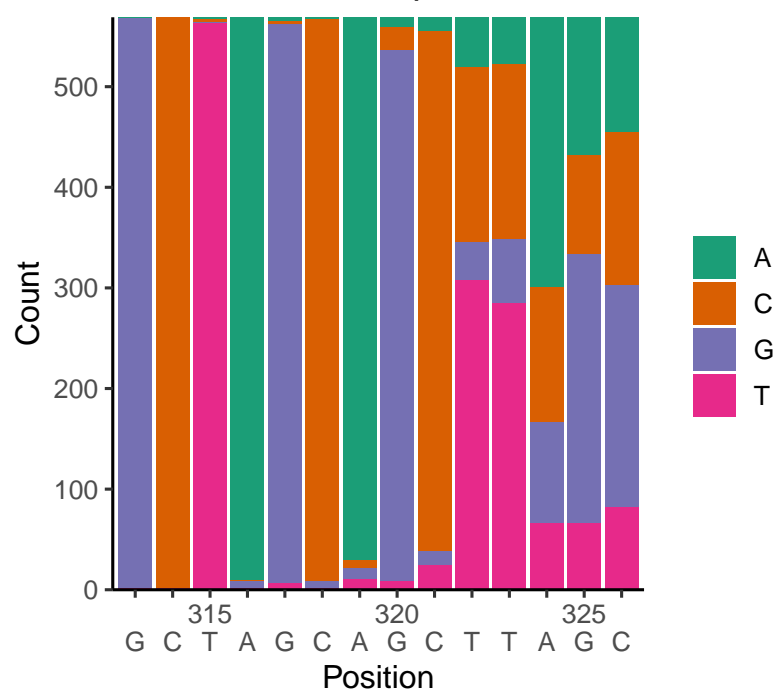


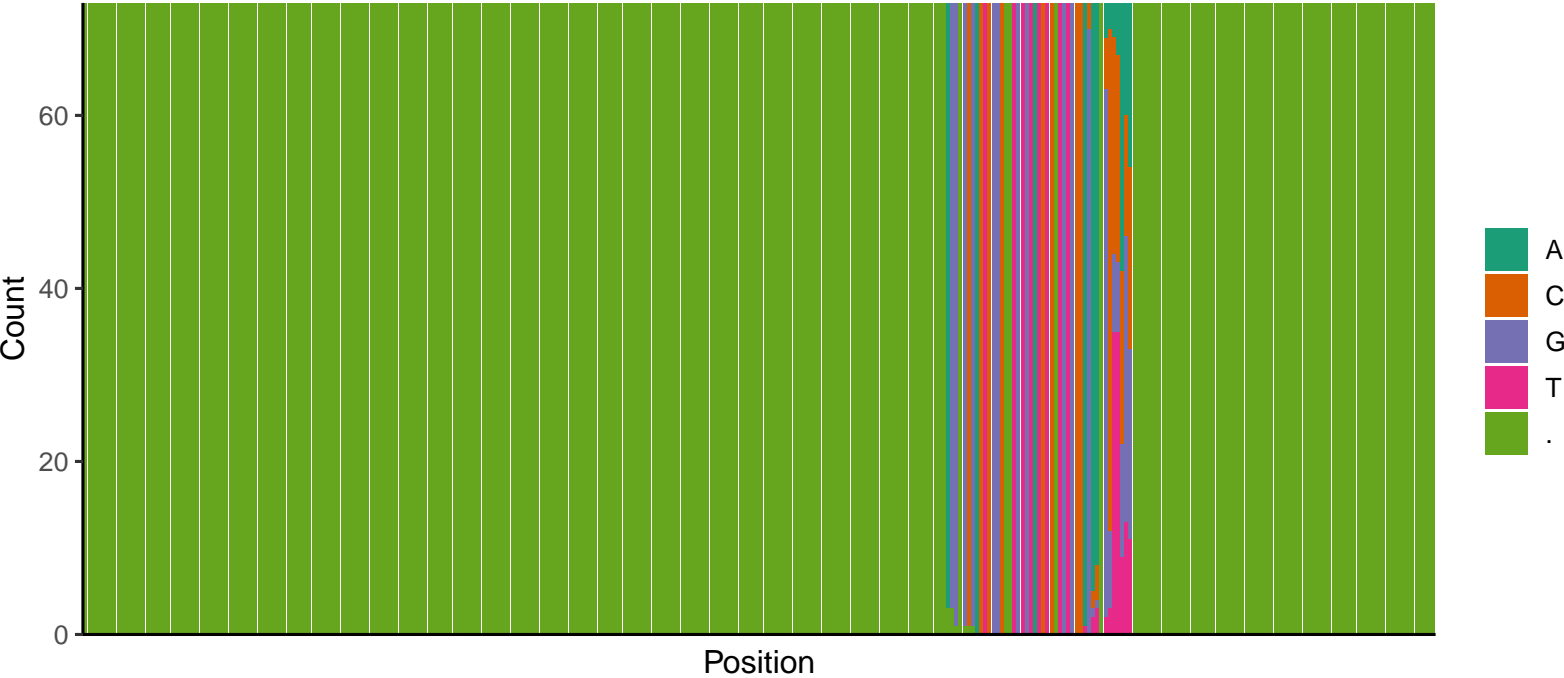
Gene TRBV7-1*ap01_G291C_T296C



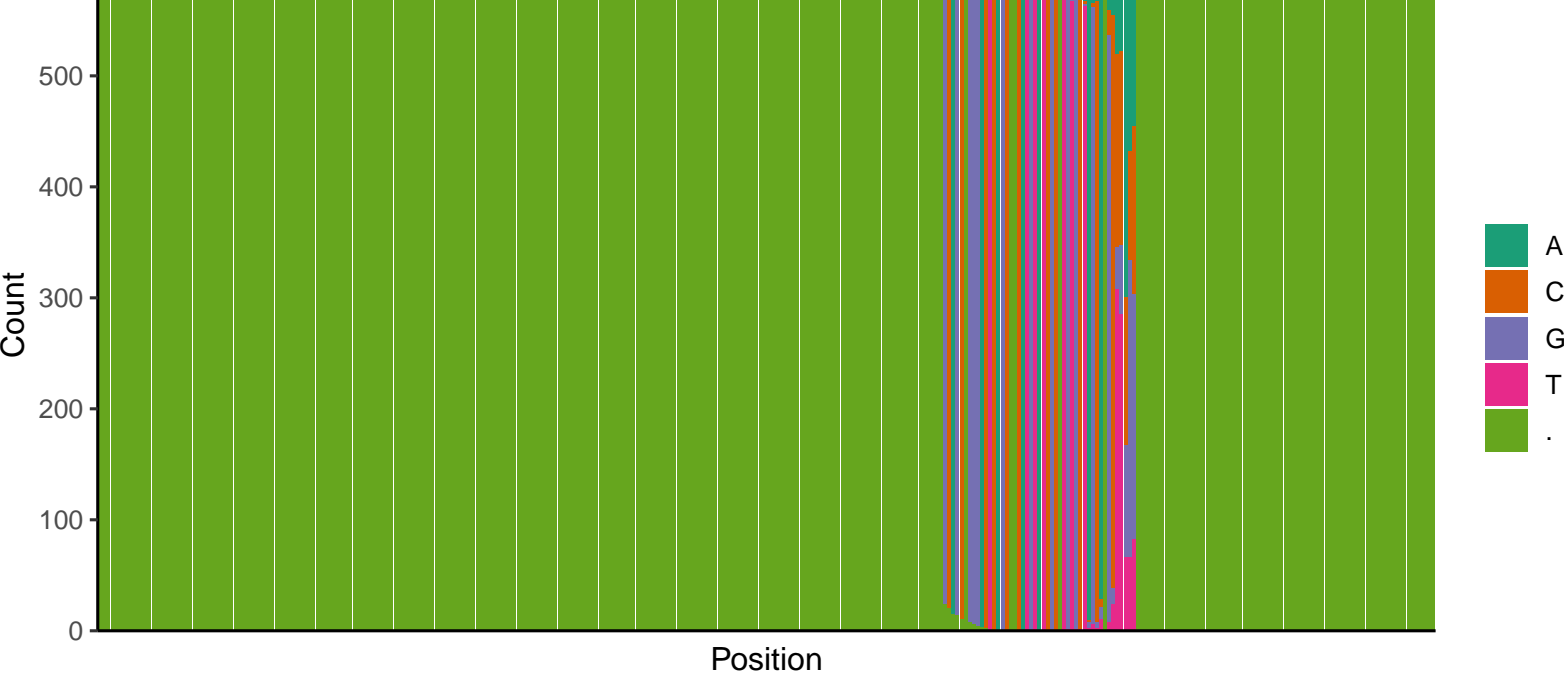
Gene TRBV7-7*ap01_C315T



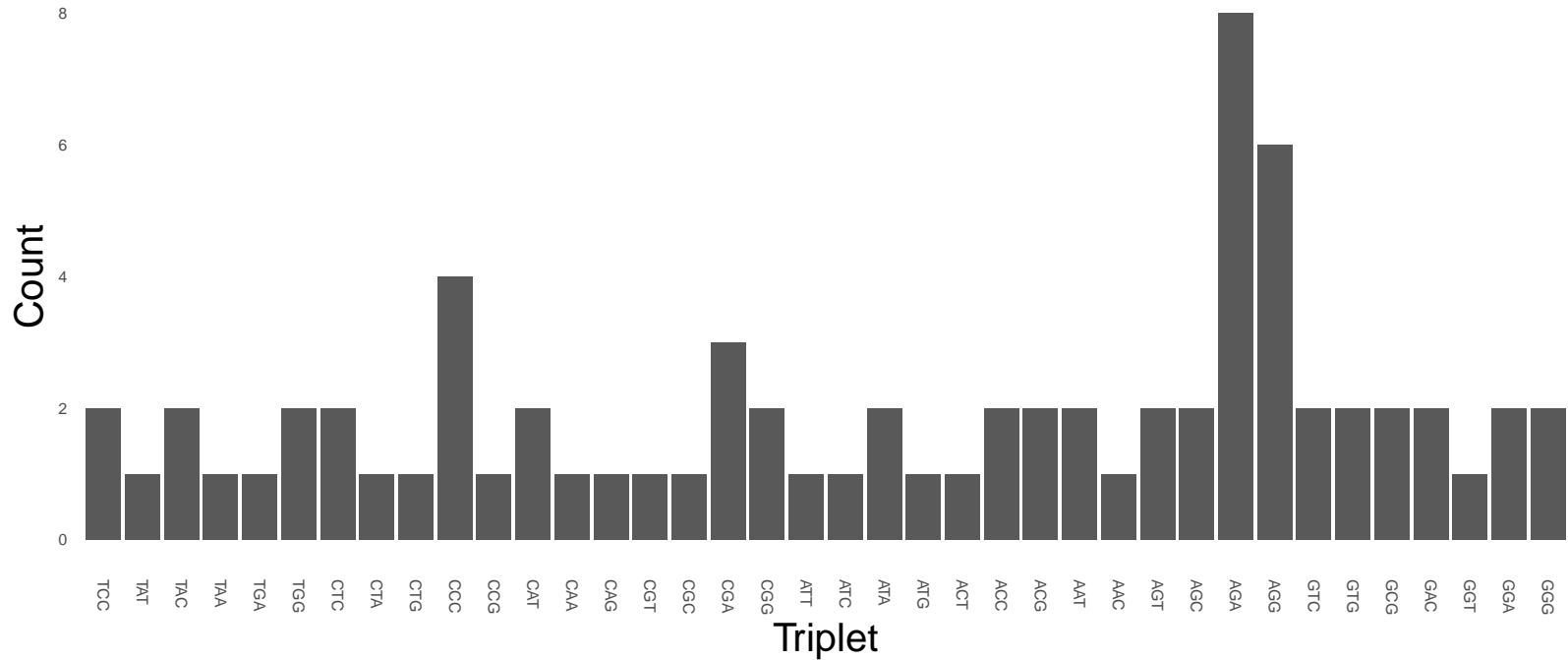
Gene TRBV7-1*ap01_G291C_T296C



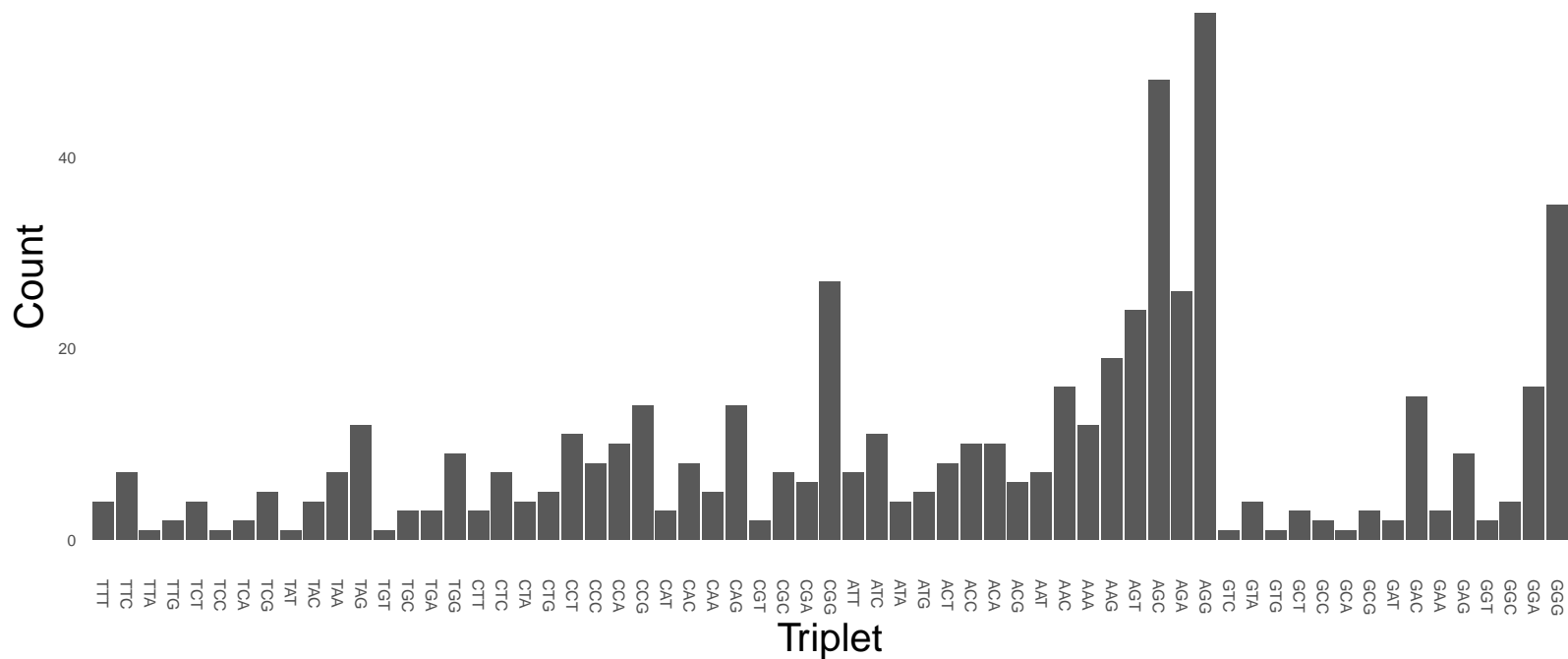
Gene TRBV7-7*ap01_C315T



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

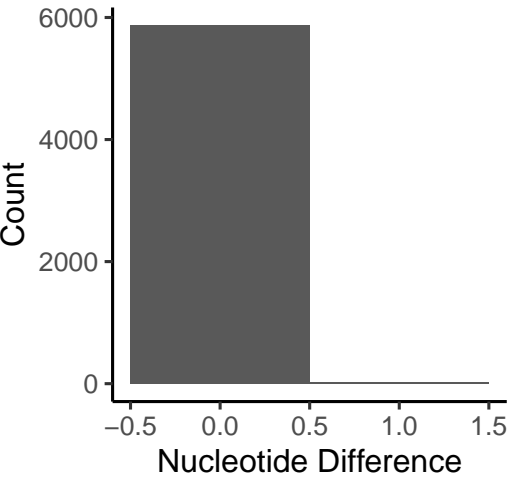


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



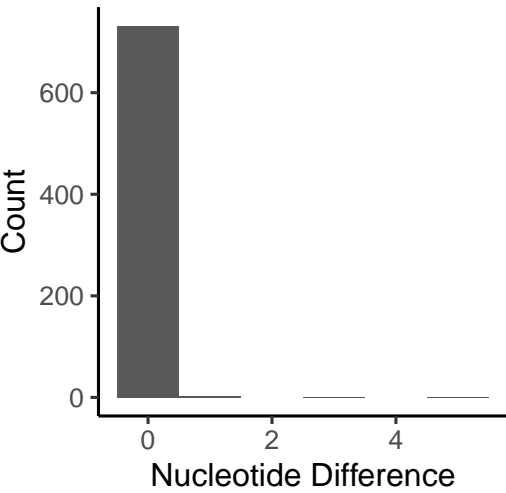
TRBV20–1*ap01

5896 sequences assigned
5870 (99.6%) exact matches, in which:
5854 unique CDR3
13 unique J



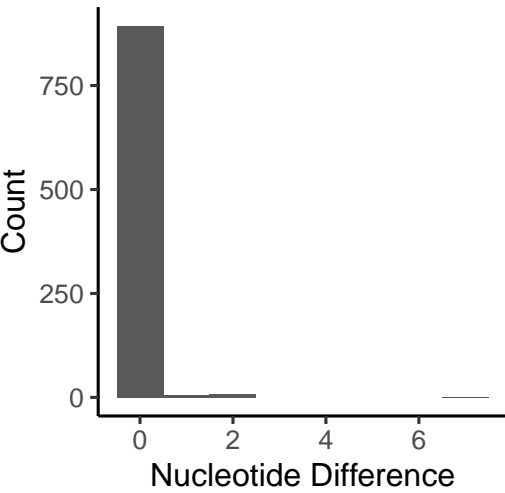
TRBV10–2*ap01

736 sequences assigned
732 (99.5%) exact matches, in which:
731 unique CDR3
13 unique J



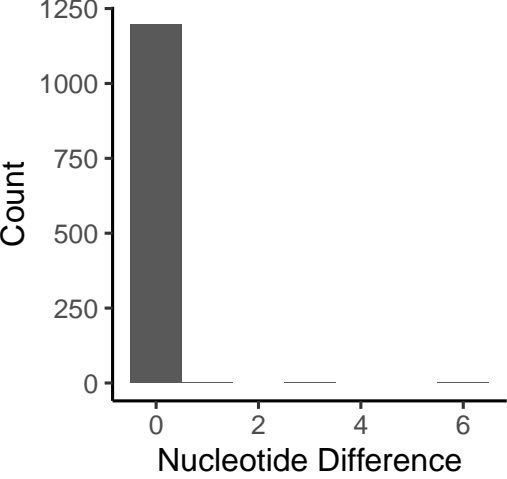
TRBV13*ap01

910 sequences assigned
894 (98.2%) exact matches, in which:
888 unique CDR3
13 unique J



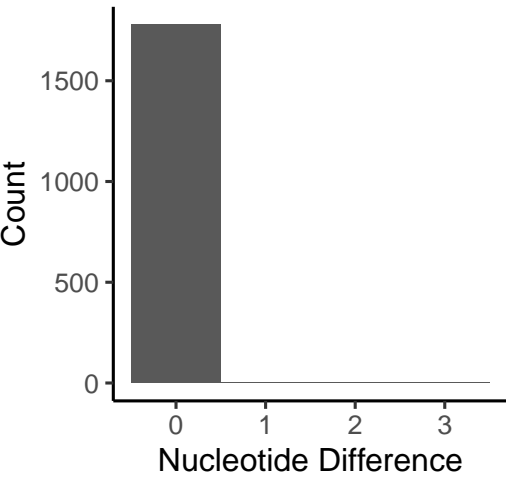
TRBV10–1*ap01

1201 sequences assigned
1196 (99.6%) exact matches, in which:
1194 unique CDR3
13 unique J



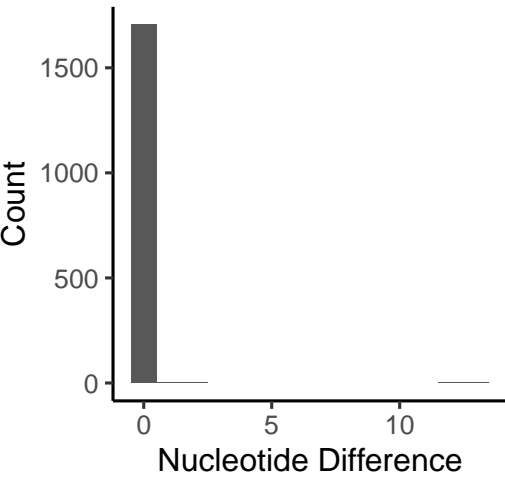
TRBV10–3*ap01

1784 sequences assigned
1778 (99.7%) exact matches, in which:
1776 unique CDR3
13 unique J



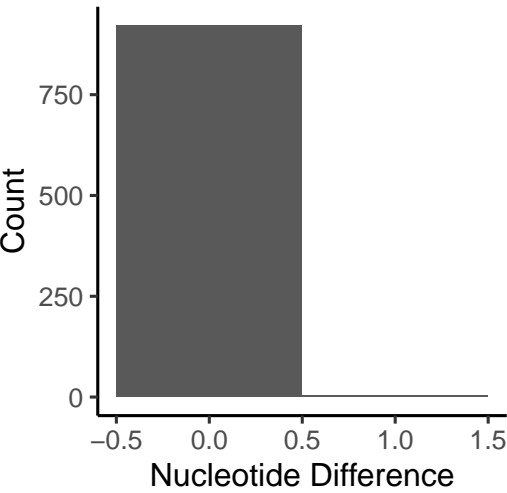
TRBV14*ap01

1711 sequences assigned
1705 (99.6%) exact matches, in which:
1703 unique CDR3
13 unique J



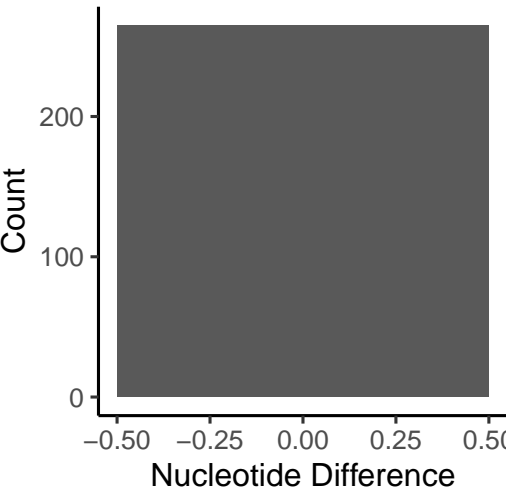
TRBV20–1*ap02

926 sequences assigned
922 (99.6%) exact matches, in which:
918 unique CDR3
13 unique J



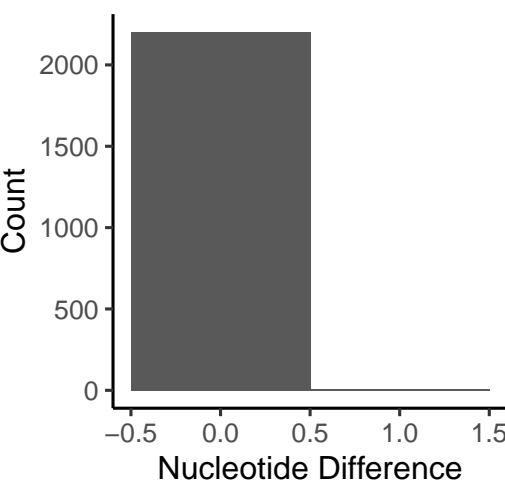
TRBV1*ap01

265 sequences assigned
265 (100%) exact matches, in which:
265 unique CDR3
13 unique J



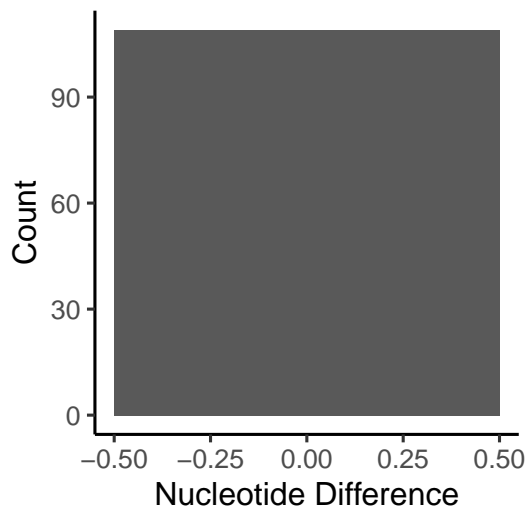
TRBV15*ap02

2209 sequences assigned
2202 (99.7%) exact matches, in which:
2198 unique CDR3
13 unique J



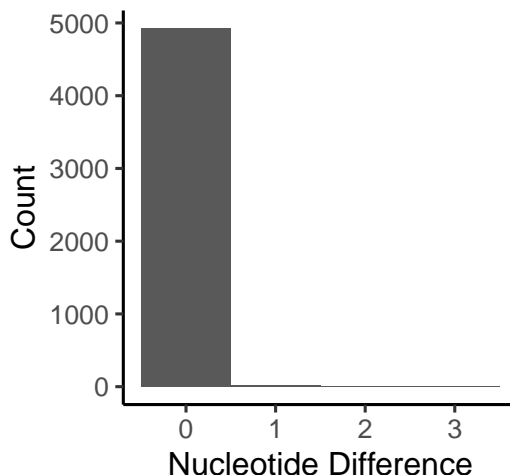
TRBV16*ap01

109 sequences assigned
109 (100%) exact matches, in which:
109 unique CDR3
13 unique J



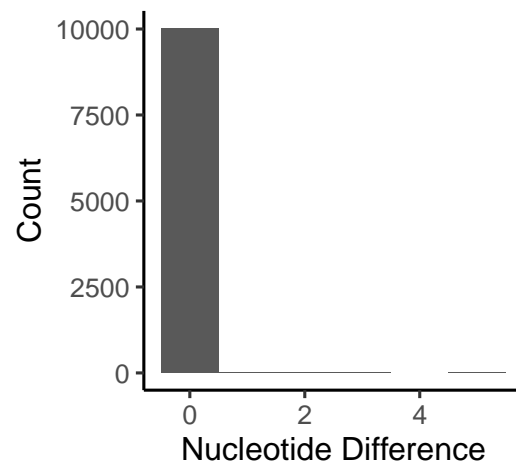
TRBV2*ap01

4948 sequences assigned
4925 (99.5%) exact matches, in which:
4906 unique CDR3
13 unique J



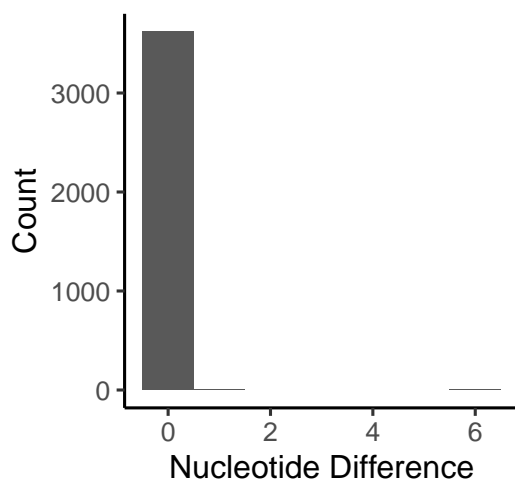
TRBV28*ap01

10048 sequences assigned
10025 (99.8%) exact matches, in which:
10012 unique CDR3
13 unique J



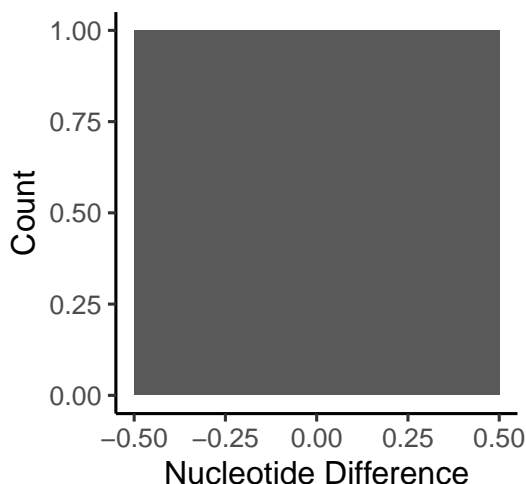
TRBV18*ap01

3626 sequences assigned
3619 (99.8%) exact matches, in which:
3617 unique CDR3
13 unique J



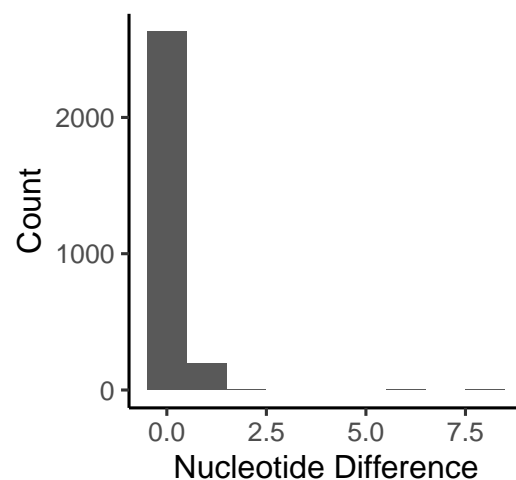
TRBV26*ap01

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



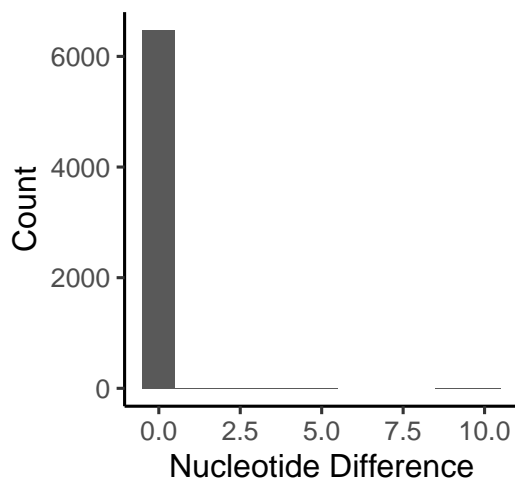
TRBV30*ap01

2827 sequences assigned
2629 (93%) exact matches, in which:
2626 unique CDR3
13 unique J



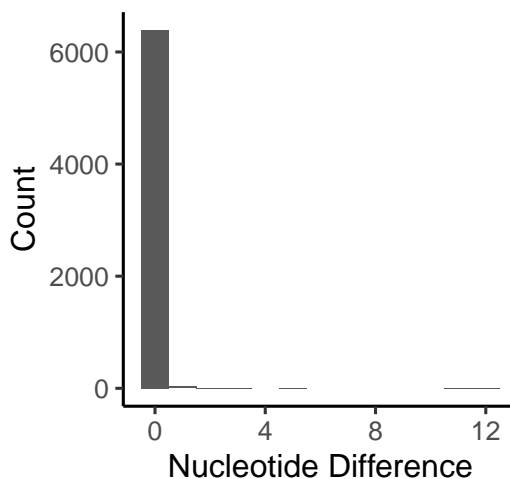
TRBV19*ap01

6495 sequences assigned
6476 (99.7%) exact matches, in which:
6473 unique CDR3
13 unique J



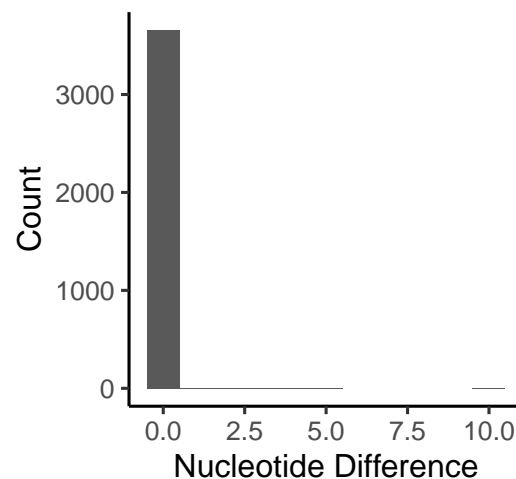
TRBV27*ap01

6430 sequences assigned
6391 (99.4%) exact matches, in which:
6370 unique CDR3
13 unique J



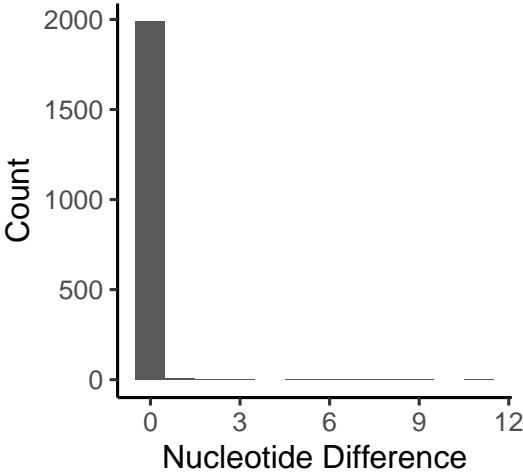
TRBV9*ap01

3670 sequences assigned
3658 (99.7%) exact matches, in which:
3651 unique CDR3
13 unique J



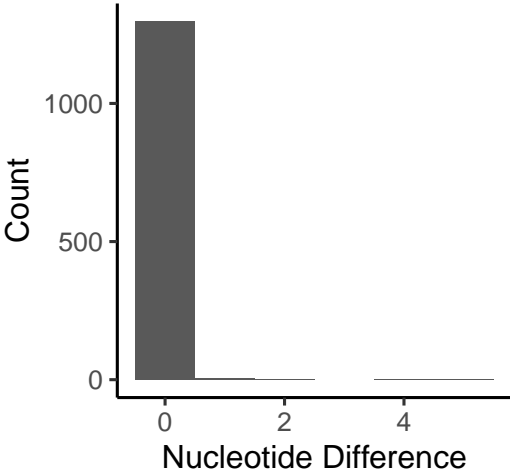
TRBV21-1*ap01

2012 sequences assigned
1989 (98.9%) exact matches, in which:
1989 unique CDR3
13 unique J



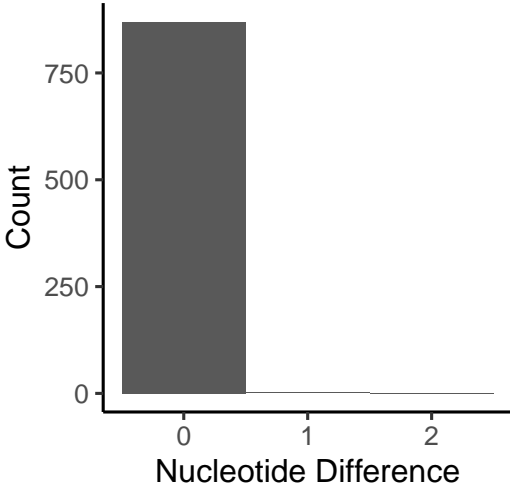
TRBV11-3*ap01

1305 sequences assigned
1297 (99.4%) exact matches, in which:
1293 unique CDR3
13 unique J



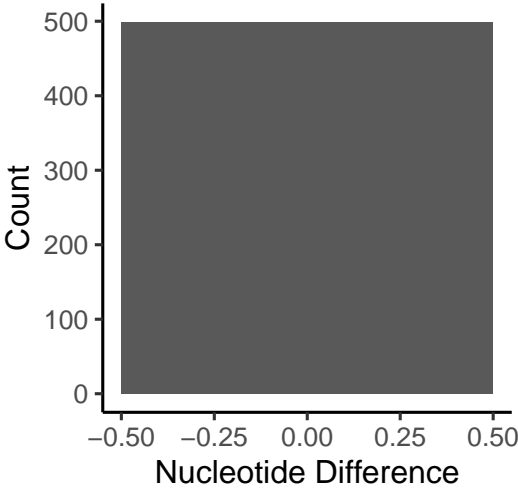
TRBV12-5*ap01

873 sequences assigned
870 (99.7%) exact matches, in which:
869 unique CDR3
13 unique J



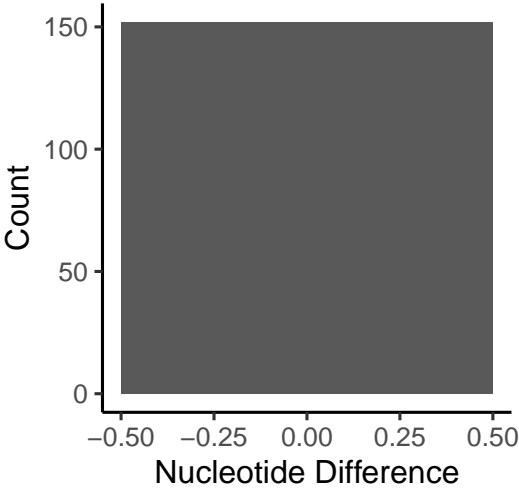
TRBV11-1*ap01

499 sequences assigned
499 (100%) exact matches, in which:
499 unique CDR3
13 unique J



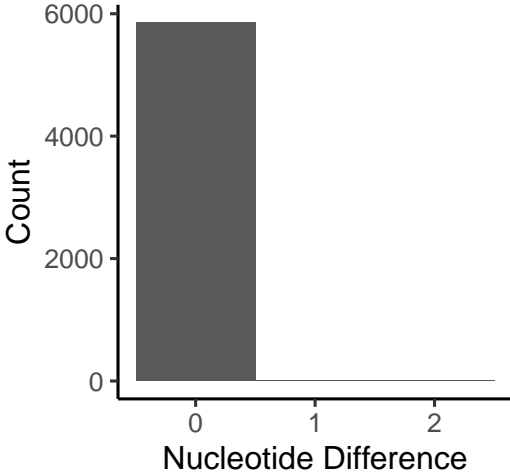
TRBV12-1*ap01

152 sequences assigned
152 (100%) exact matches, in which:
152 unique CDR3
13 unique J



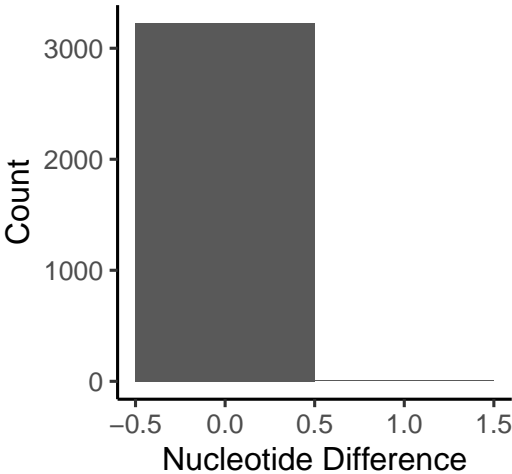
TRBV12-34*ap01

5866 sequences assigned
5853 (99.8%) exact matches, in which:
5843 unique CDR3
13 unique J



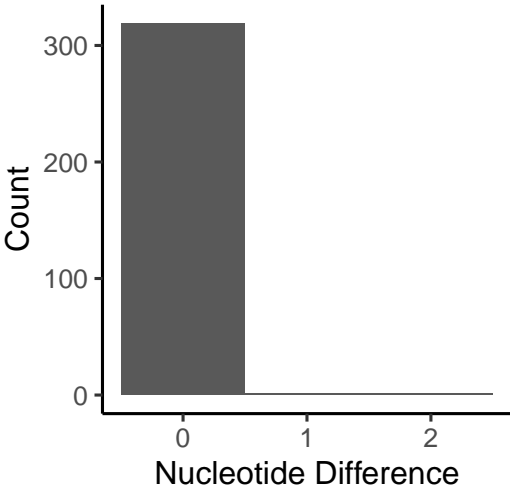
TRBV11-2*ap01

3233 sequences assigned
3227 (99.8%) exact matches, in which:
3221 unique CDR3
13 unique J



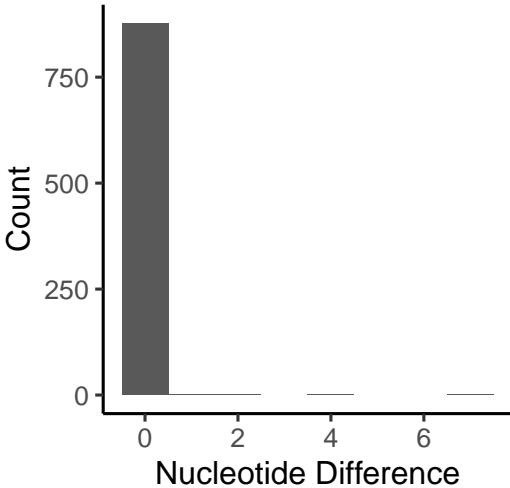
TRBV12-2*ap01

321 sequences assigned
319 (99.4%) exact matches, in which:
319 unique CDR3
13 unique J



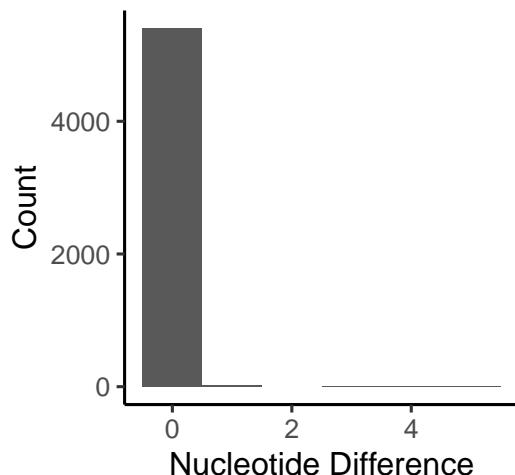
TRBV23-1*ap01

881 sequences assigned
877 (99.5%) exact matches, in which:
877 unique CDR3
13 unique J



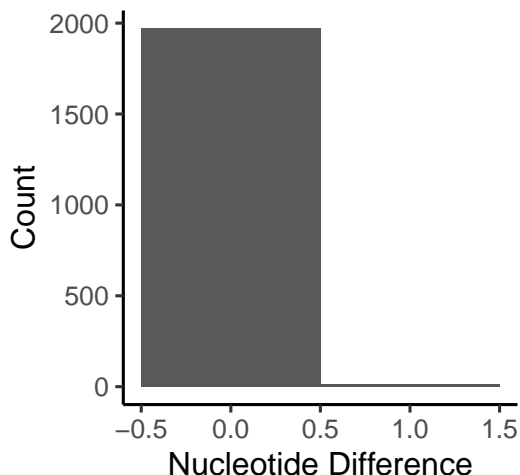
TRBV3-12*ap01

5430 sequences assigned
5400 (99.4%) exact matches, in which:
5376 unique CDR3
13 unique J



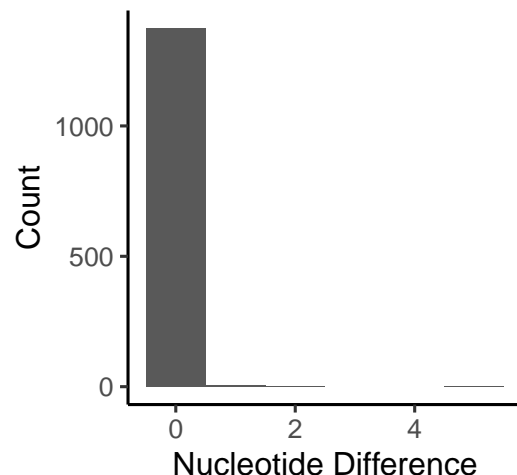
TRBV4-2*ap01

1987 sequences assigned
1971 (99.2%) exact matches, in which:
1966 unique CDR3
13 unique J



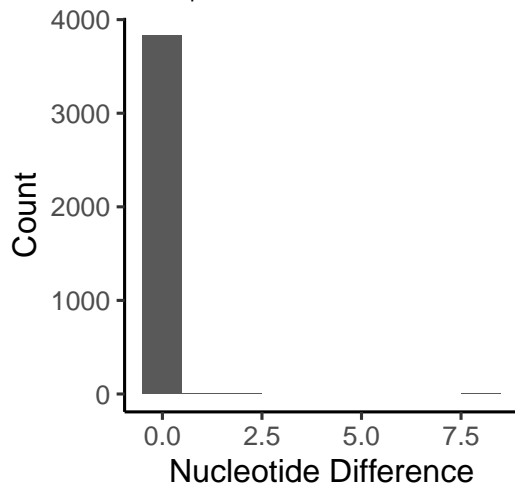
TRBV25-1*ap01

1381 sequences assigned
1374 (99.5%) exact matches, in which:
1373 unique CDR3
13 unique J



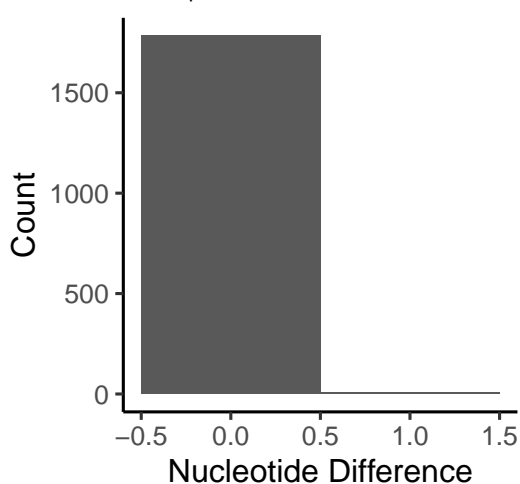
TRBV4-1*ap01

3834 sequences assigned
3828 (99.8%) exact matches, in which:
3814 unique CDR3
13 unique J



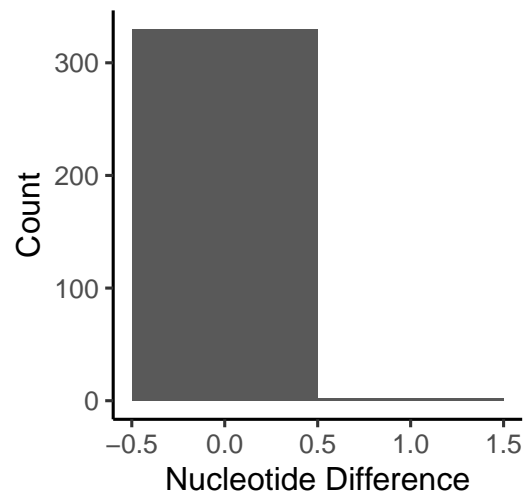
TRBV4-3*ap01

1789 sequences assigned
1784 (99.7%) exact matches, in which:
1781 unique CDR3
13 unique J



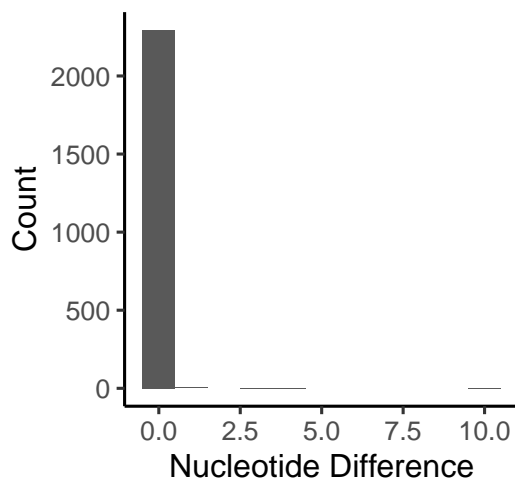
TRBV5-3*ap01

332 sequences assigned
330 (99.4%) exact matches, in which:
330 unique CDR3
13 unique J



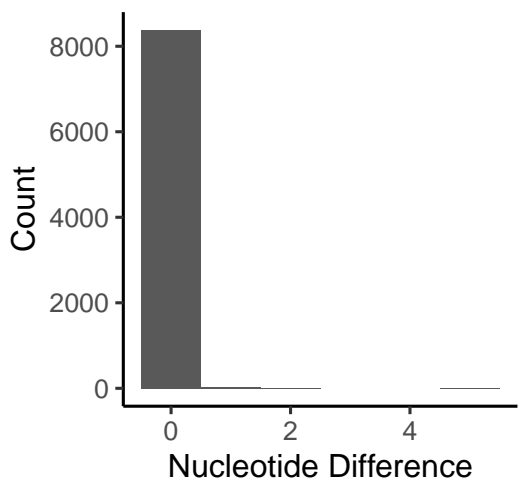
TRBV24-1*ap01

2305 sequences assigned
2294 (99.5%) exact matches, in which:
2287 unique CDR3
13 unique J



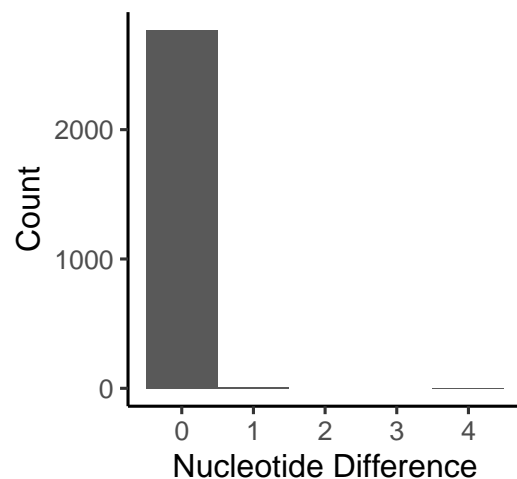
TRBV5-1*ap01

8405 sequences assigned
8379 (99.7%) exact matches, in which:
8335 unique CDR3
13 unique J



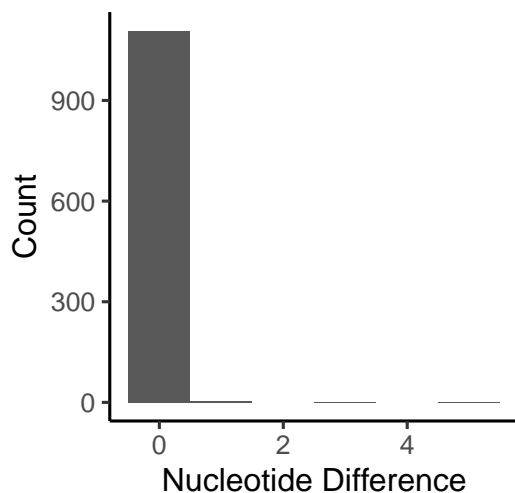
TRBV5-4*ap01

2779 sequences assigned
2770 (99.7%) exact matches, in which:
2764 unique CDR3
13 unique J



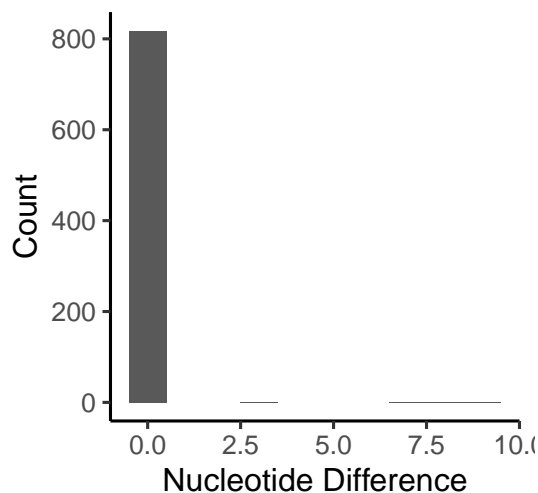
TRBV5-5*ap01

1113 sequences assigned
1108 (99.6%) exact matches, in which:
1108 unique CDR3
13 unique J



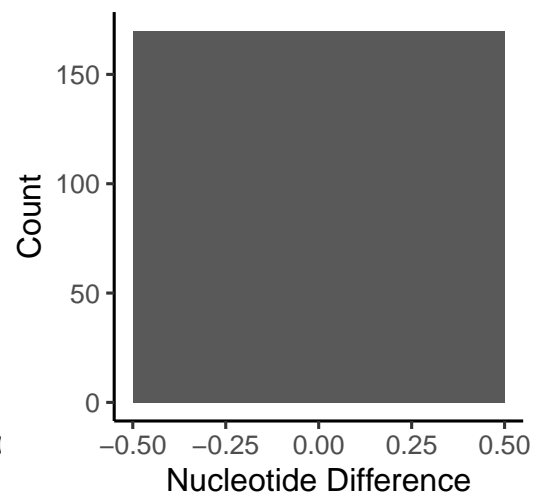
TRBV5-8*ap01

822 sequences assigned
818 (99.5%) exact matches, in which:
818 unique CDR3
13 unique J



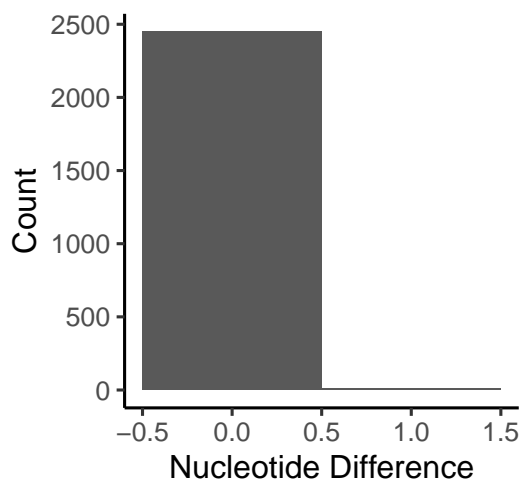
TRBV6-7*ap01

170 sequences assigned
170 (100%) exact matches, in which:
170 unique CDR3
13 unique J



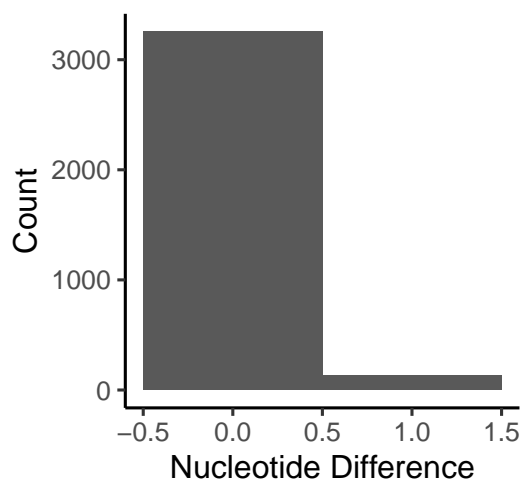
TRBV5-6*ap01

2462 sequences assigned
2449 (99.5%) exact matches, in which:
2445 unique CDR3
13 unique J



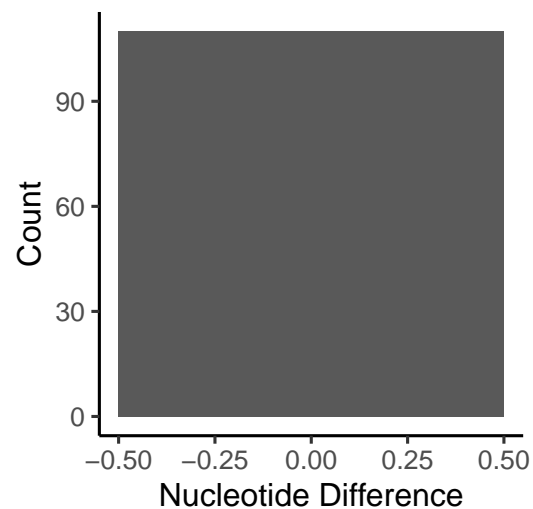
TRBV6-1*ap01

3388 sequences assigned
3254 (96%) exact matches, in which:
3243 unique CDR3
13 unique J



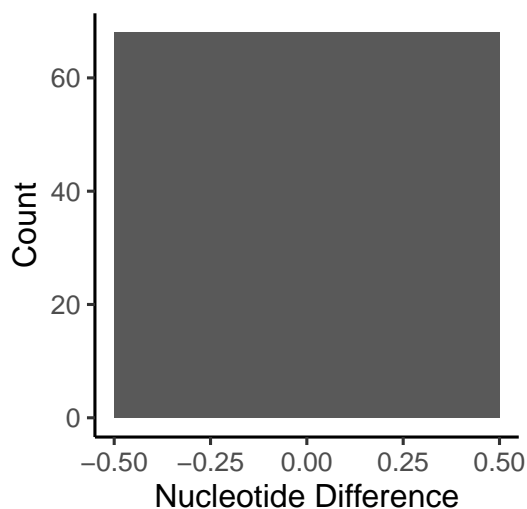
TRBV6-8*ap01

110 sequences assigned
110 (100%) exact matches, in which:
109 unique CDR3
13 unique J



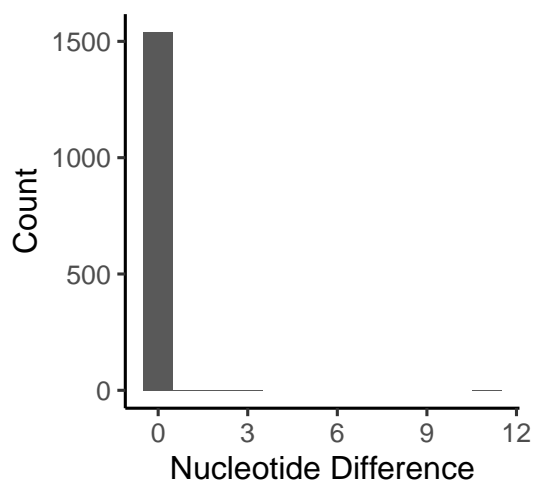
TRBV5-7*ap01

68 sequences assigned
68 (100%) exact matches, in which:
68 unique CDR3
13 unique J



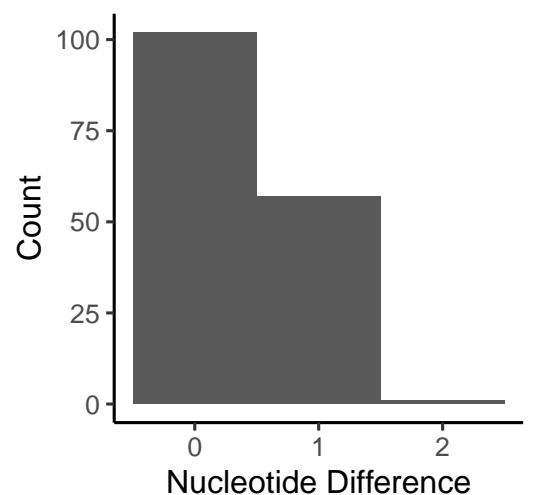
TRBV6-4*ap01

1546 sequences assigned
1540 (99.6%) exact matches, in which:
1539 unique CDR3
13 unique J



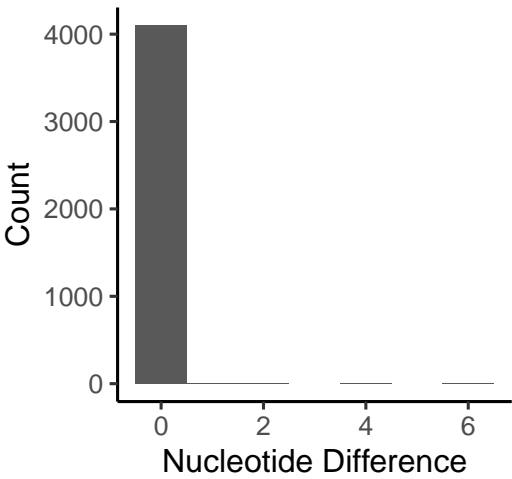
TRBV6-9*ap01

160 sequences assigned
102 (63.8%) exact matches, in which:
101 unique CDR3
13 unique J



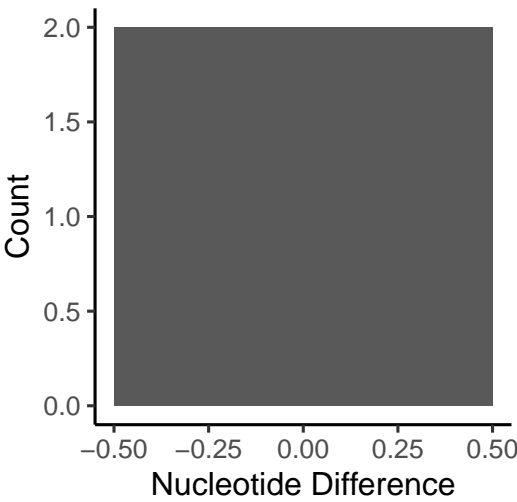
TRBV6-23*ap01

4118 sequences assigned
4100 (99.6%) exact matches, in which:
4087 unique CDR3
13 unique J



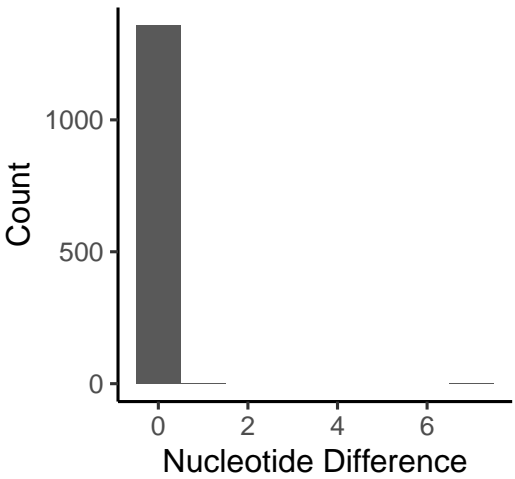
TRBV7-1*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



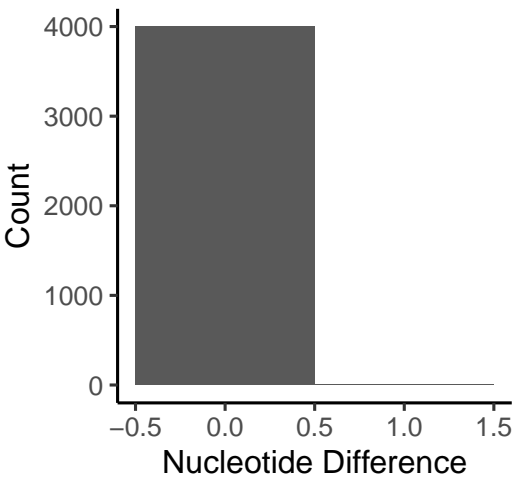
TRBV7-3*ap01

1360 sequences assigned
1358 (99.9%) exact matches, in which:
1354 unique CDR3
13 unique J



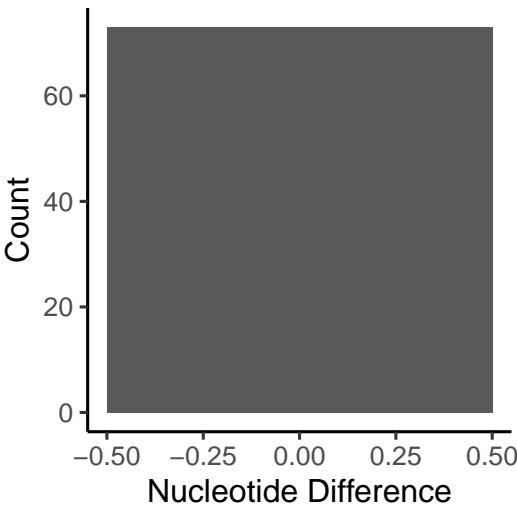
TRBV6-56*ap01

4008 sequences assigned
3998 (99.8%) exact matches, in which:
3986 unique CDR3
13 unique J



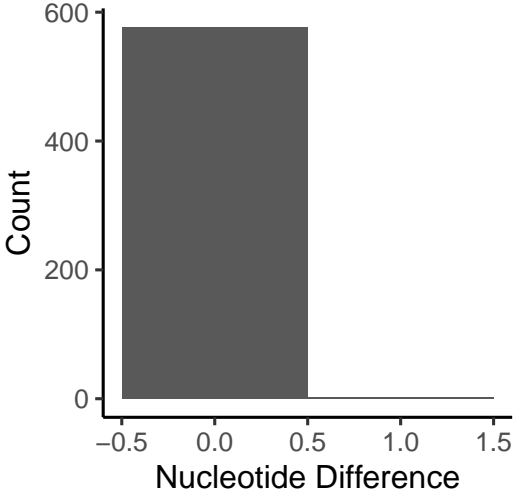
TRBV7-1*ap01_G291C_T

73 sequences assigned
73 (100%) exact matches, in which:
73 unique CDR3
12 unique J



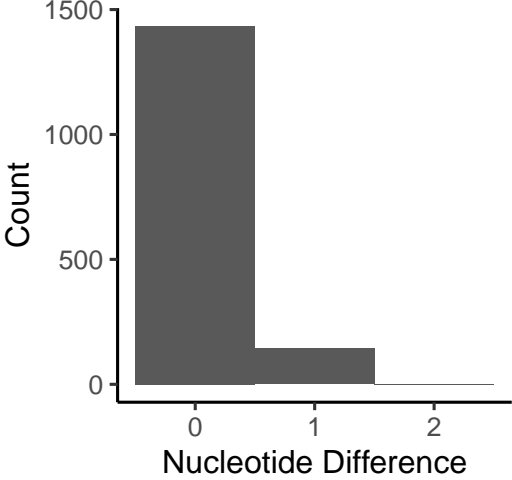
TRBV7-3*ap03

579 sequences assigned
577 (99.7%) exact matches, in which:
576 unique CDR3
13 unique J



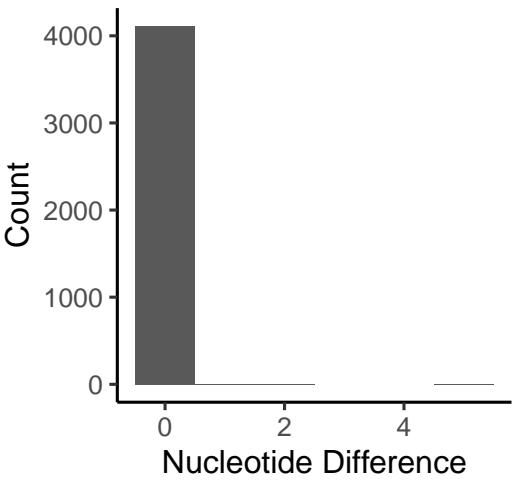
TRBV6-56*ap02

1578 sequences assigned
1434 (90.9%) exact matches, in which:
1431 unique CDR3
13 unique J



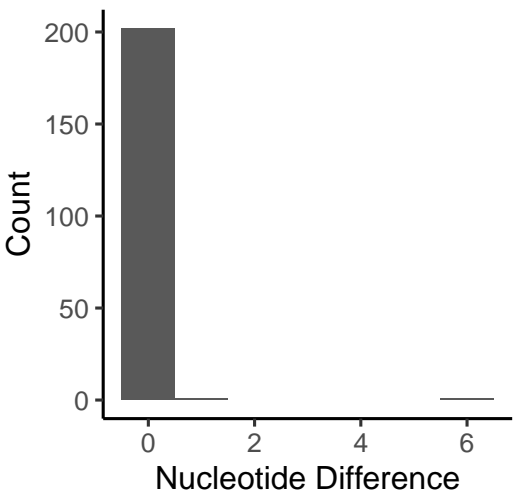
TRBV7-2*ap01

4120 sequences assigned
4112 (99.8%) exact matches, in which:
4109 unique CDR3
13 unique J



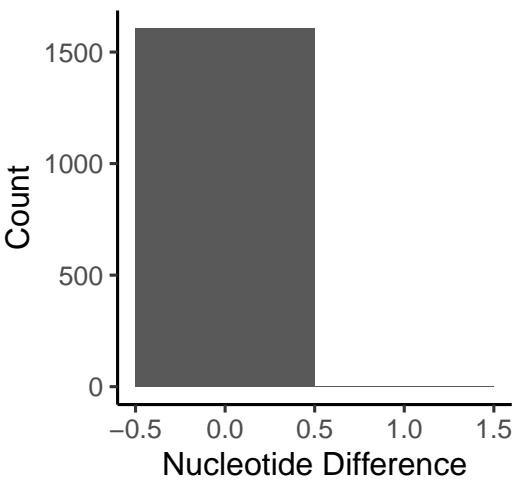
TRBV7-4*ap01

204 sequences assigned
202 (99%) exact matches, in which:
202 unique CDR3
13 unique J



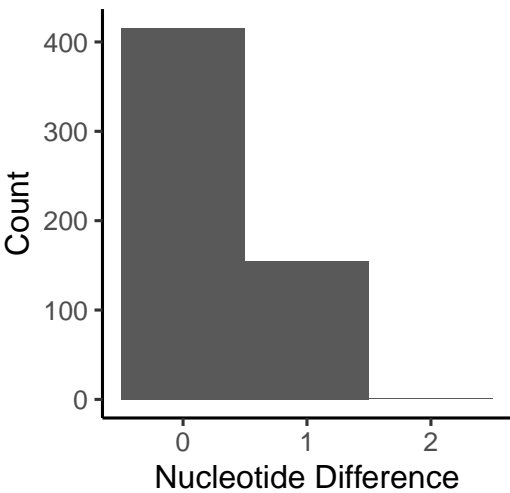
TRBV7-6*ap01

1608 sequences assigned
1606 (99.9%) exact matches, in which:
1603 unique CDR3
13 unique J



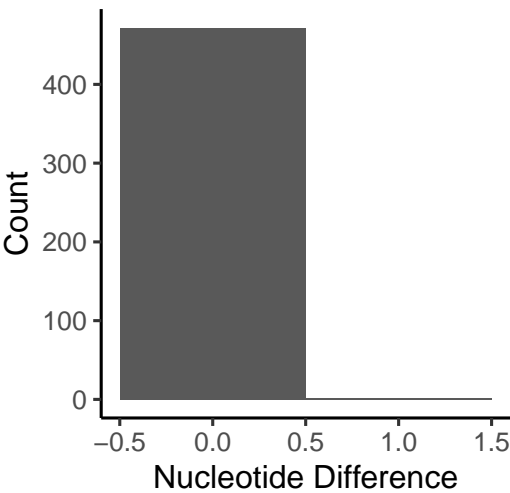
TRBV7-8*ap03

572 sequences assigned
416 (72.7%) exact matches, in which:
415 unique CDR3
13 unique J



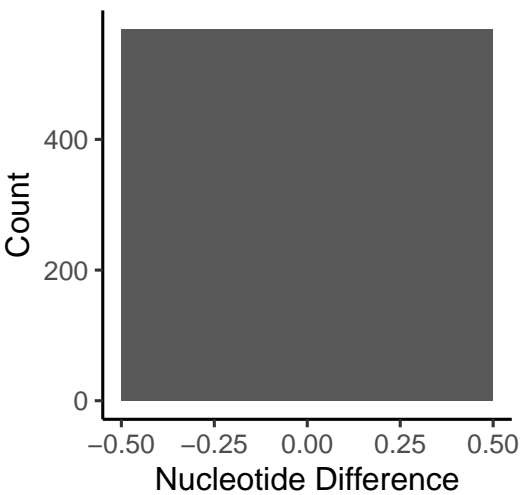
TRBV29-1*ap02

474 sequences assigned
472 (99.6%) exact matches, in which:
470 unique CDR3
13 unique J



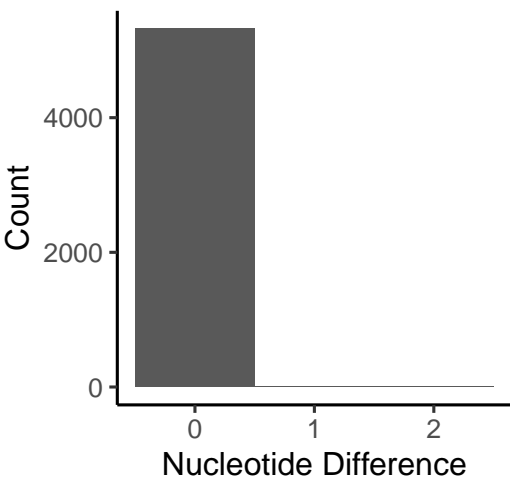
TRBV7-7*ap01_C315T

569 sequences assigned
569 (100%) exact matches, in which:
568 unique CDR3
13 unique J



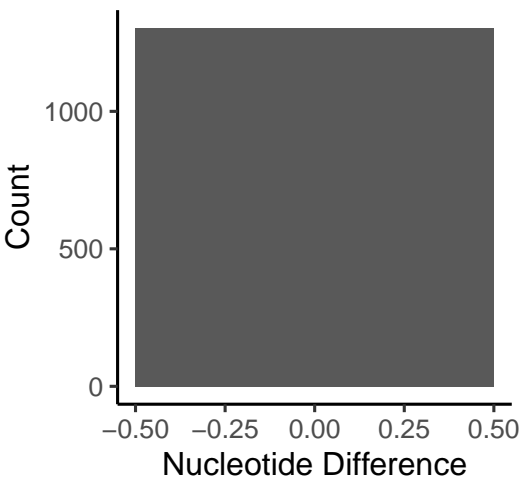
TRBV7-9*ap01

5336 sequences assigned
5321 (99.7%) exact matches, in which:
5319 unique CDR3
13 unique J



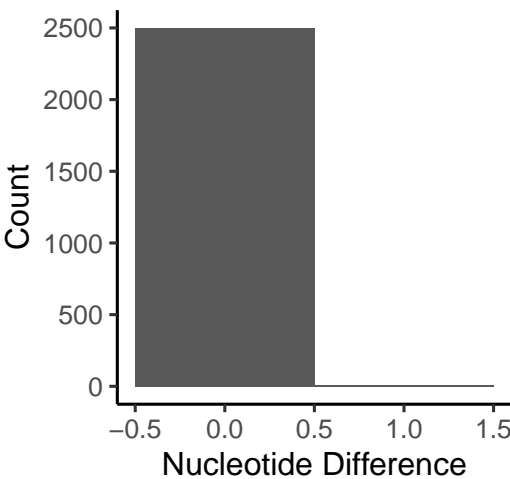
TRBV7-8*ap01

1303 sequences assigned
1303 (100%) exact matches, in which:
1302 unique CDR3
13 unique J

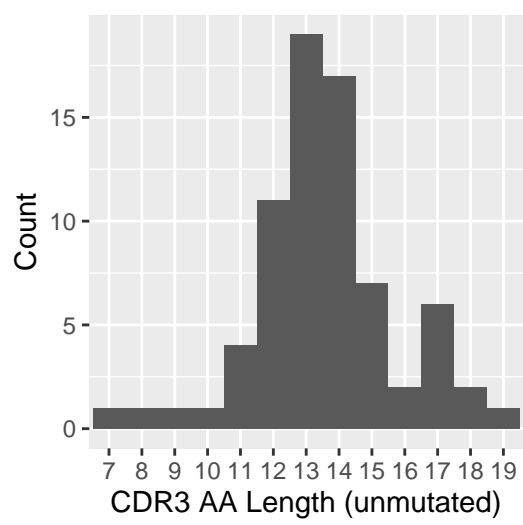


TRBV29-1*ap01

2508 sequences assigned
2499 (99.6%) exact matches, in which:
2492 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

