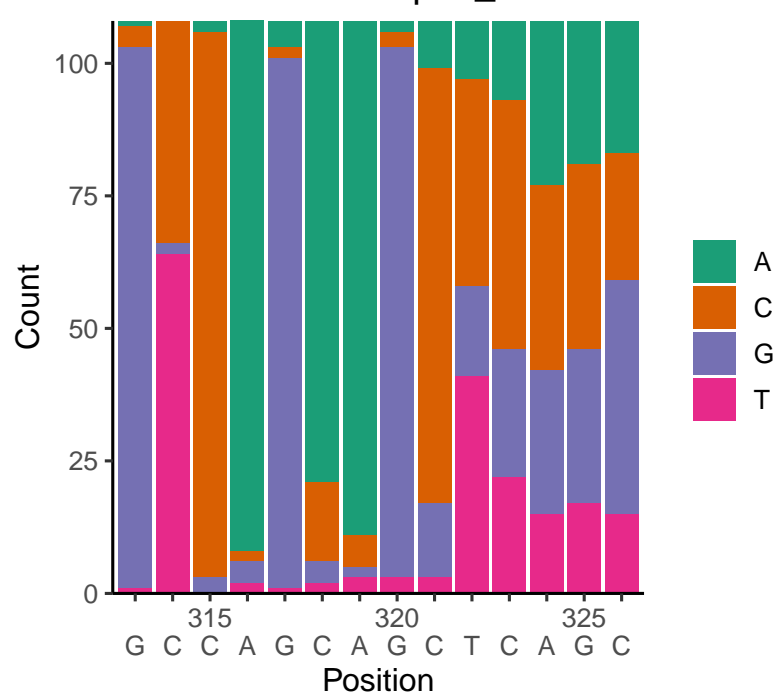
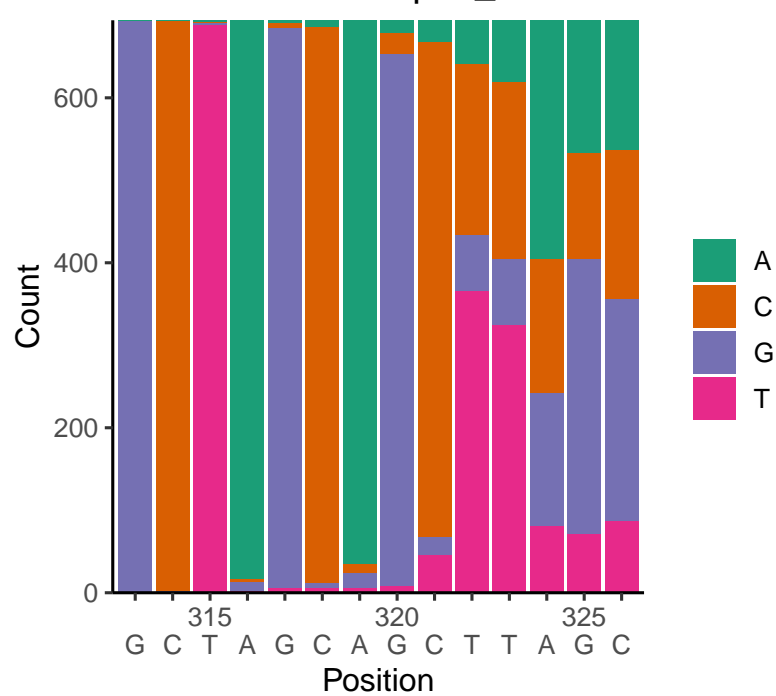


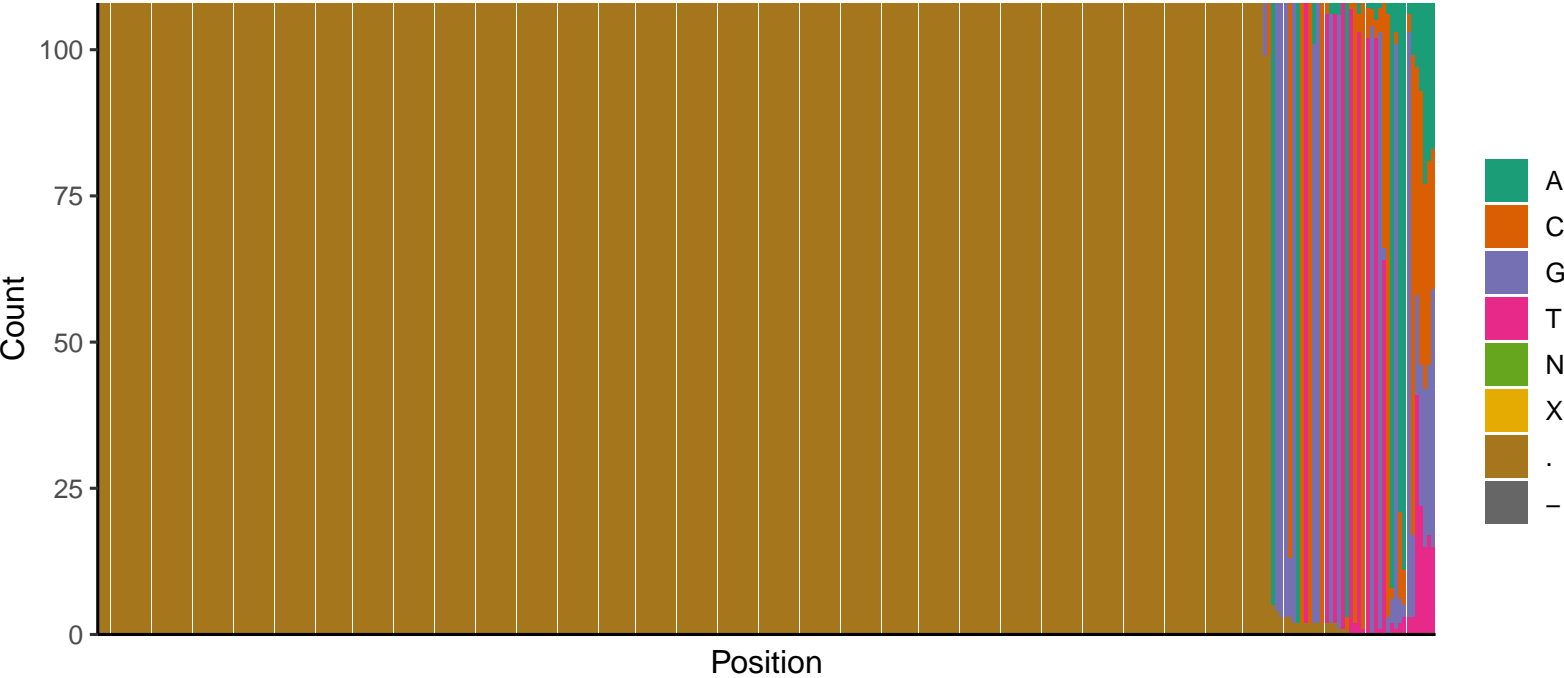
Gene TRBV7-1*ap01_T296C



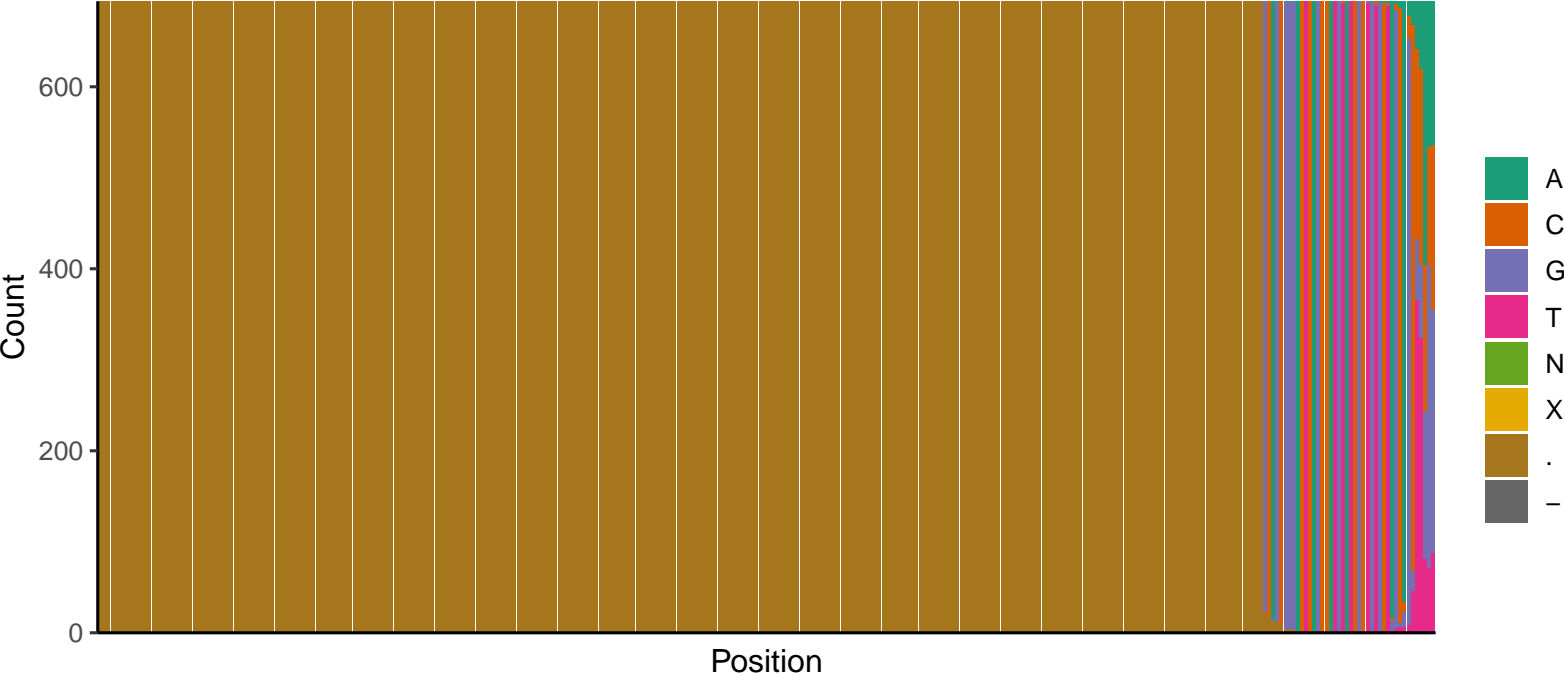
Gene TRBV7-7*ap01_C315T



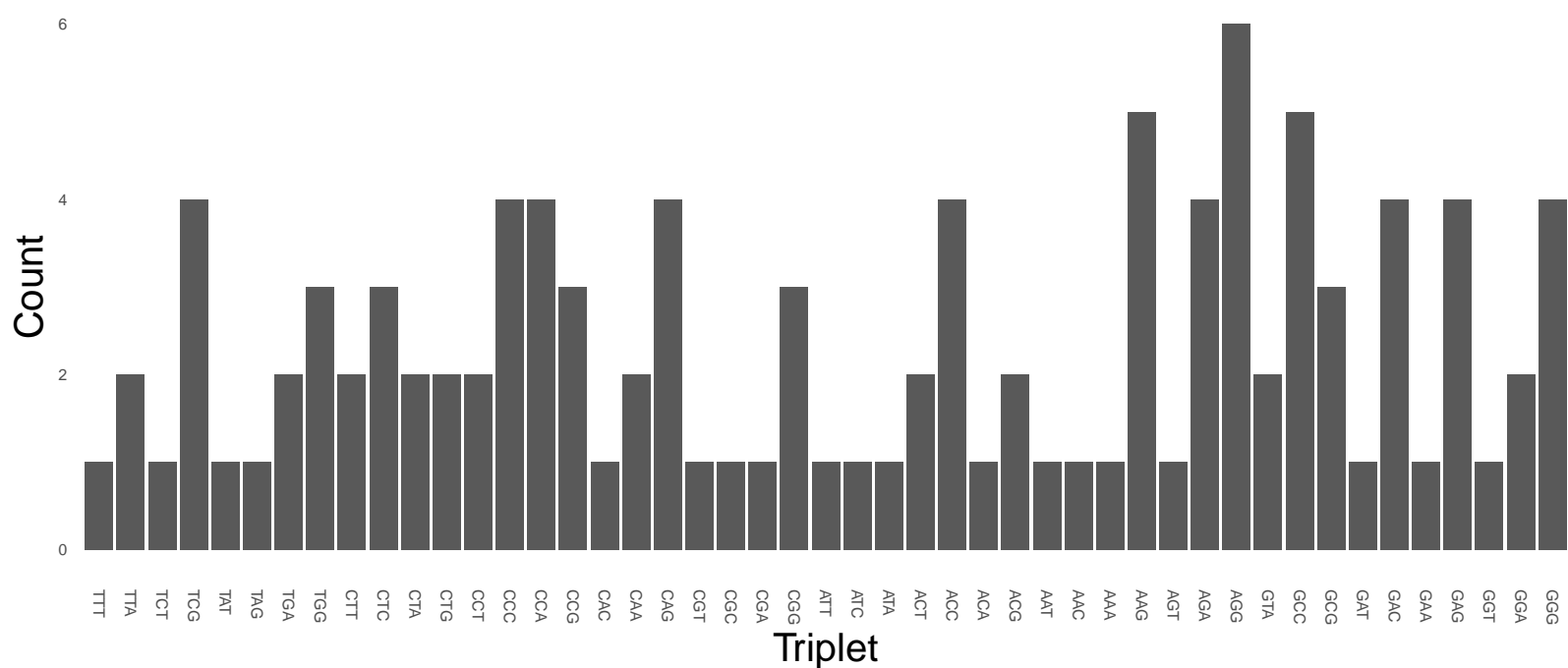
Gene TRBV7-1*ap01_T296C



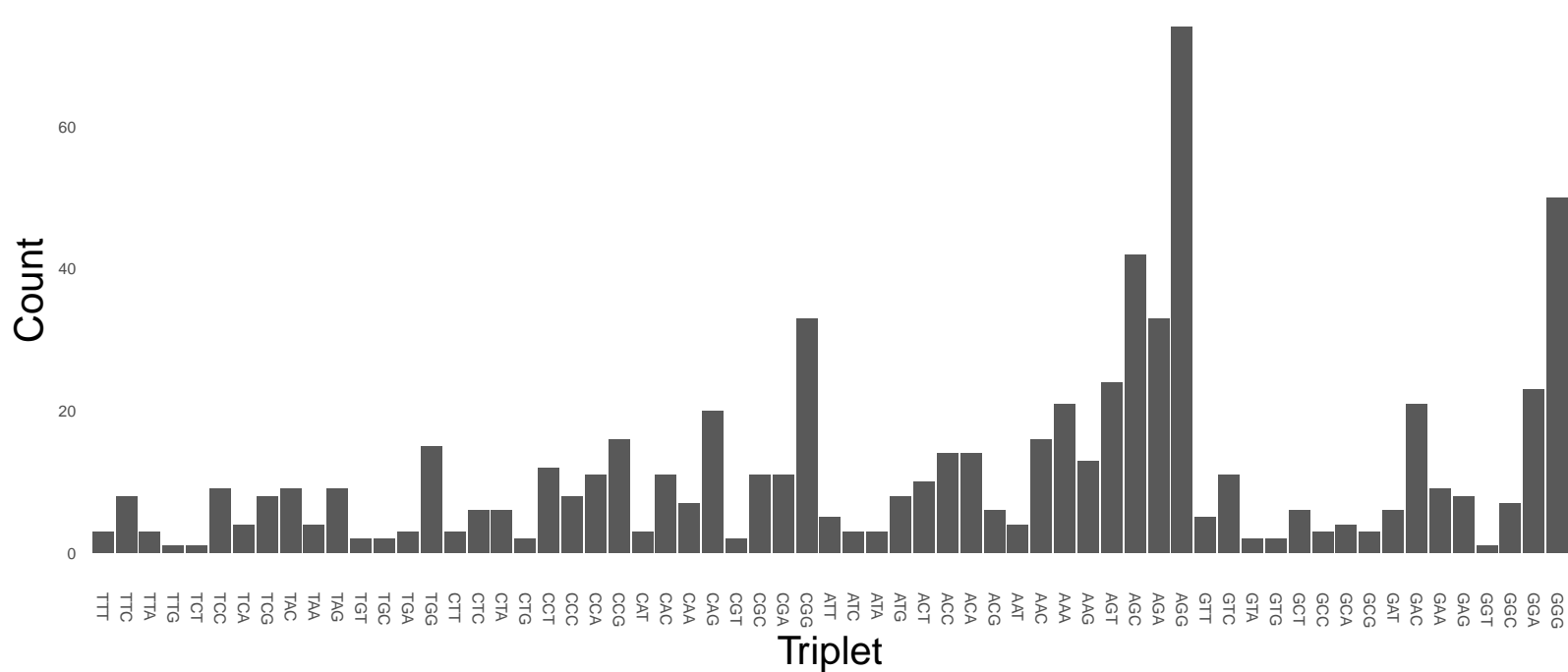
Gene TRBV7-7*ap01_C315T



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

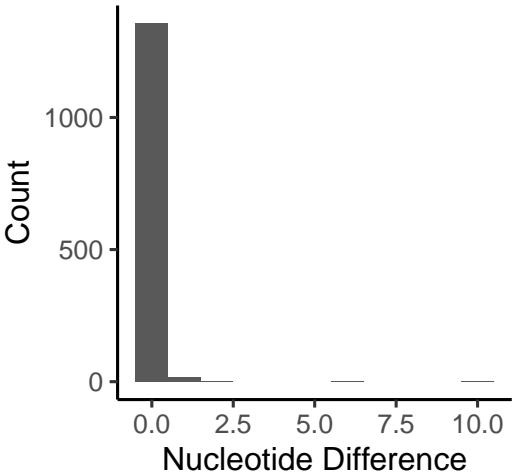


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



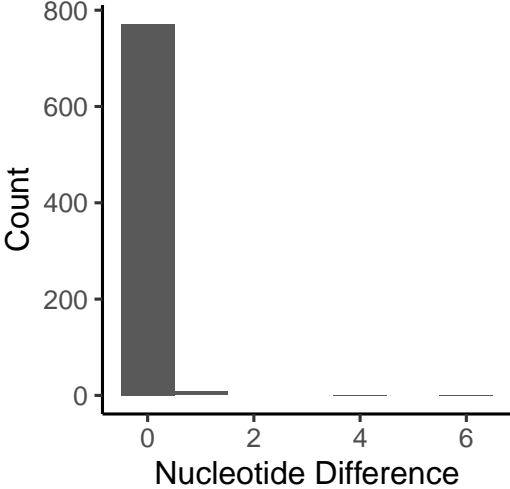
TRBV10-1*ap01

1376 sequences assigned
1356 (98.5%) exact matches, in which:
1323 unique CDR3
13 unique J



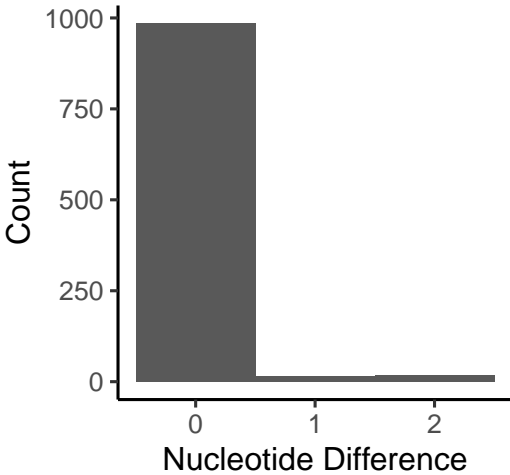
TRBV10-2*ap01

782 sequences assigned
772 (98.7%) exact matches, in which:
746 unique CDR3
13 unique J



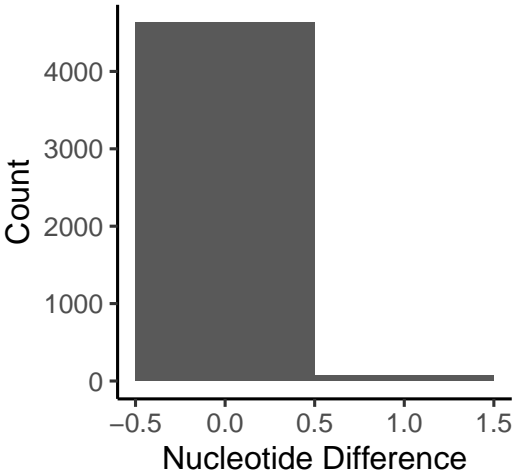
TRBV13*ap01

1018 sequences assigned
985 (96.8%) exact matches, in which:
960 unique CDR3
13 unique J



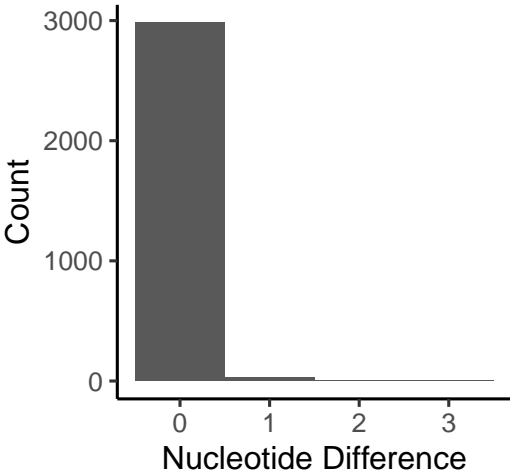
TRBV20-1*ap01

4698 sequences assigned
4629 (98.5%) exact matches, in which:
4533 unique CDR3
13 unique J



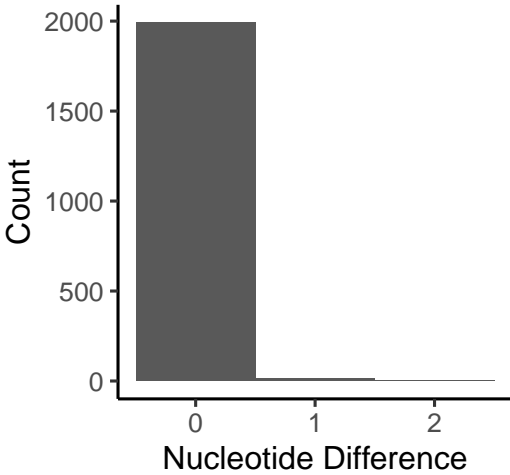
TRBV10-3*ap01

3018 sequences assigned
2982 (98.8%) exact matches, in which:
2914 unique CDR3
13 unique J



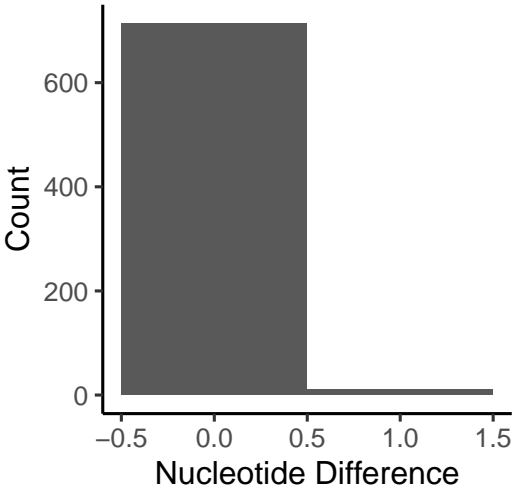
TRBV14*ap01

2005 sequences assigned
1991 (99.3%) exact matches, in which:
1960 unique CDR3
13 unique J



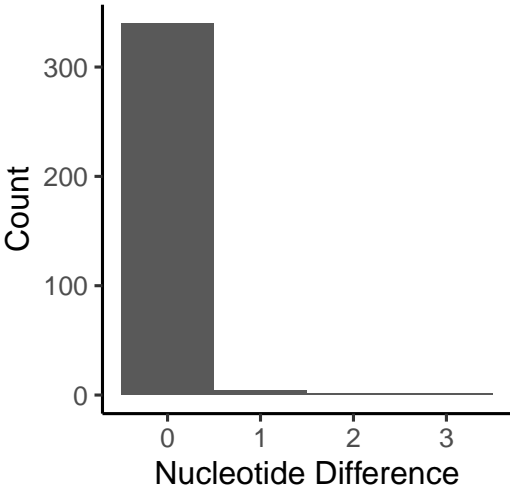
TRBV20-1*ap02

725 sequences assigned
714 (98.5%) exact matches, in which:
693 unique CDR3
13 unique J



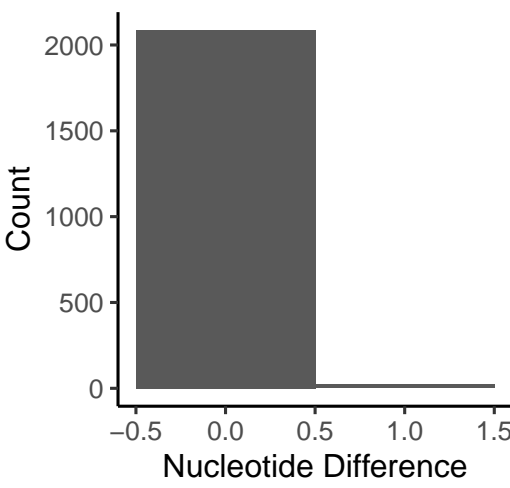
TRBV1*ap01

346 sequences assigned
340 (98.3%) exact matches, in which:
329 unique CDR3
13 unique J



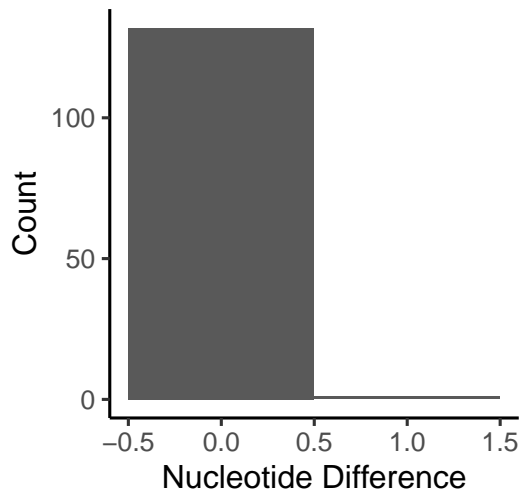
TRBV15*ap02

2110 sequences assigned
2087 (98.9%) exact matches, in which:
2035 unique CDR3
13 unique J



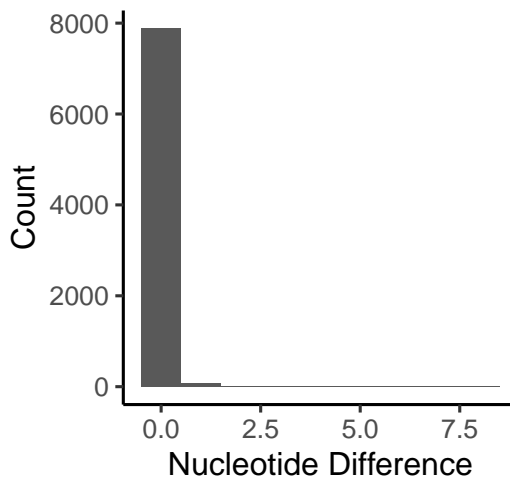
TRBV16*ap01

133 sequences assigned
132 (99.2%) exact matches, in which:
130 unique CDR3
12 unique J



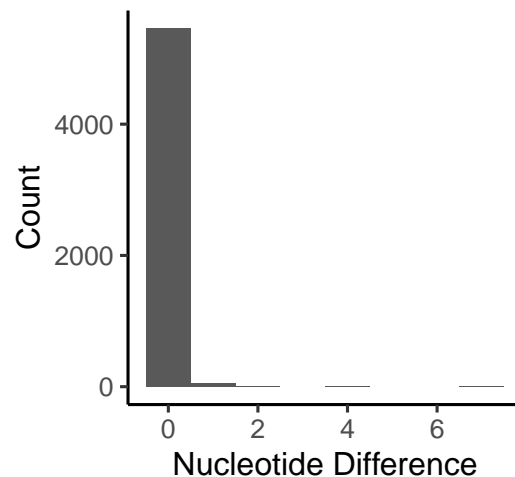
TRBV19*ap01

7972 sequences assigned
7884 (98.9%) exact matches, in which:
7794 unique CDR3
13 unique J



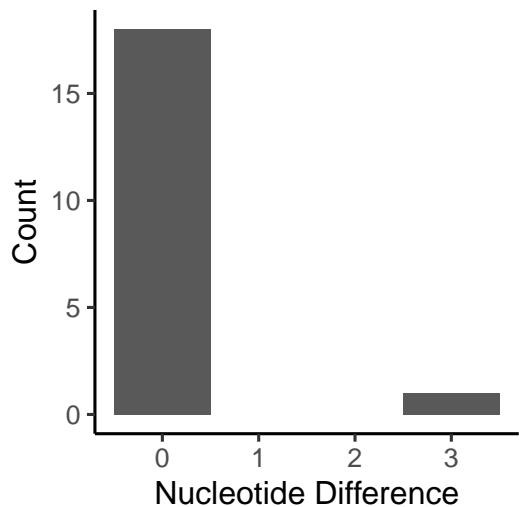
TRBV28*ap01

5518 sequences assigned
5459 (98.9%) exact matches, in which:
5362 unique CDR3
13 unique J



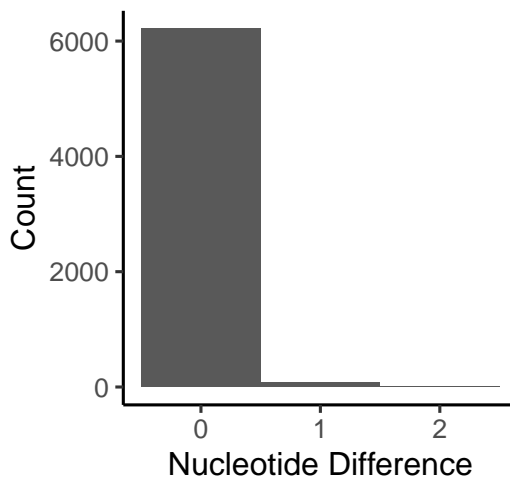
TRBV17*ap01

19 sequences assigned
18 (94.7%) exact matches, in which:
18 unique CDR3
11 unique J



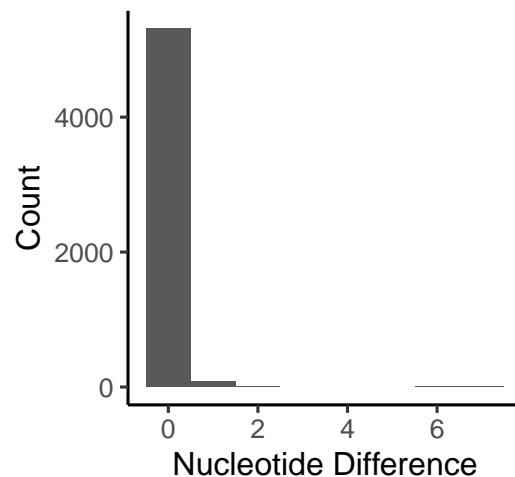
TRBV2*ap01

6299 sequences assigned
6214 (98.7%) exact matches, in which:
6102 unique CDR3
13 unique J



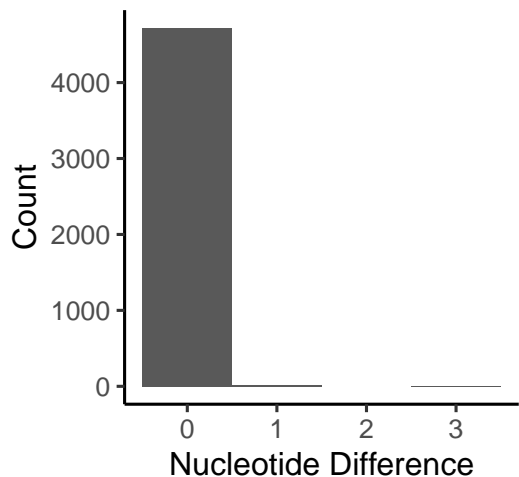
TRBV30*ap01

5394 sequences assigned
5311 (98.5%) exact matches, in which:
5250 unique CDR3
13 unique J



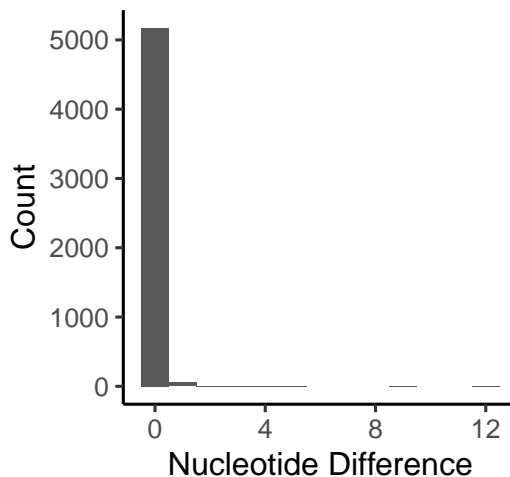
TRBV18*ap01

4737 sequences assigned
4718 (99.6%) exact matches, in which:
4640 unique CDR3
13 unique J



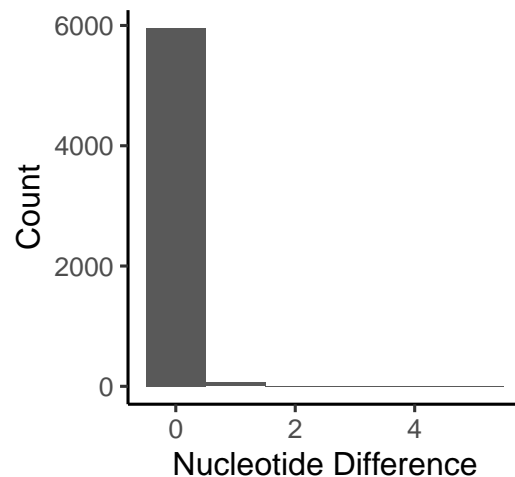
TRBV27*ap01

5239 sequences assigned
5171 (98.7%) exact matches, in which:
5029 unique CDR3
13 unique J



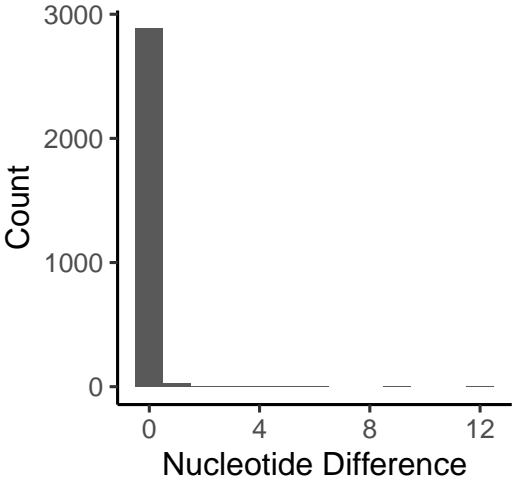
TRBV9*ap01

6025 sequences assigned
5957 (98.9%) exact matches, in which:
5849 unique CDR3
13 unique J



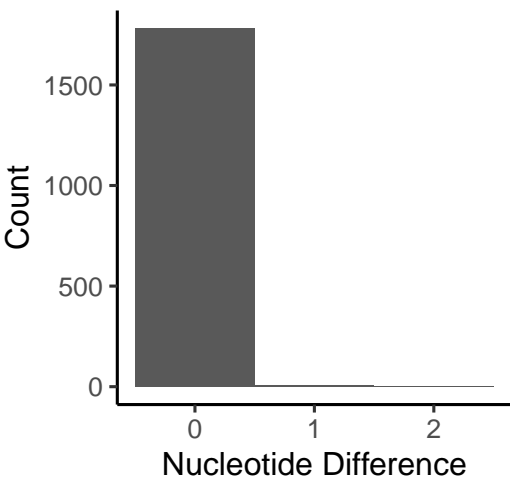
TRBV21-1*ap01

2932 sequences assigned
2886 (98.4%) exact matches, in which:
2841 unique CDR3
13 unique J



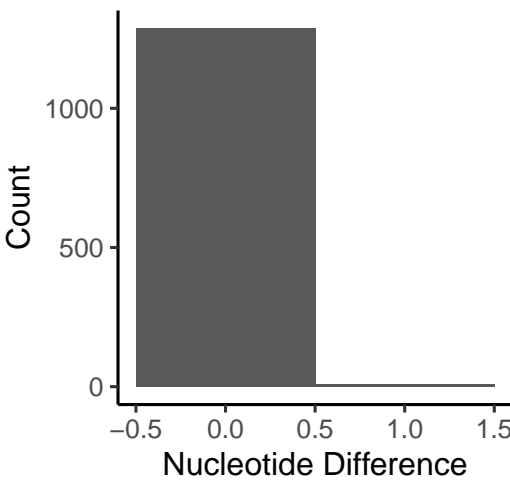
TRBV11-3*ap01

1793 sequences assigned
1781 (99.3%) exact matches, in which:
1754 unique CDR3
13 unique J



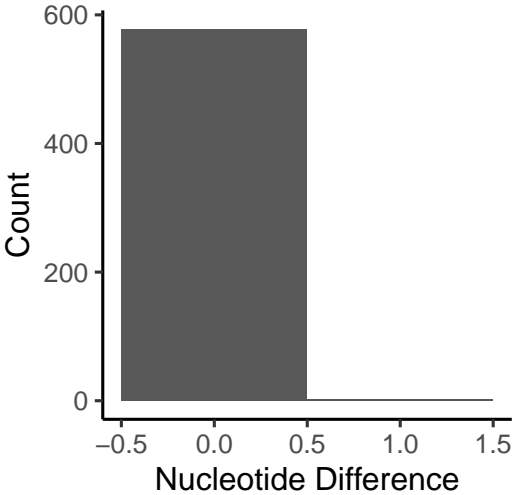
TRBV12-5*ap01

1295 sequences assigned
1287 (99.4%) exact matches, in which:
1265 unique CDR3
13 unique J



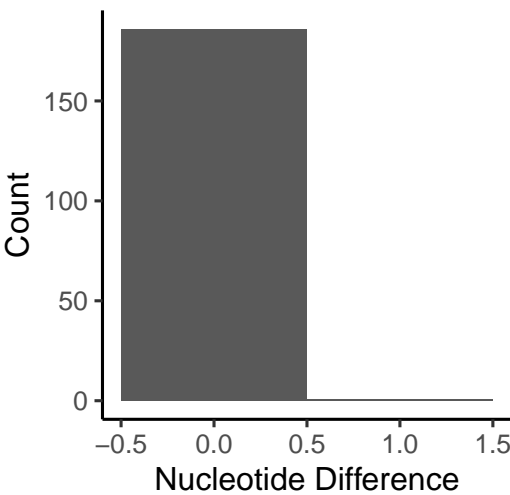
TRBV11-1*ap01

581 sequences assigned
578 (99.5%) exact matches, in which:
569 unique CDR3
13 unique J



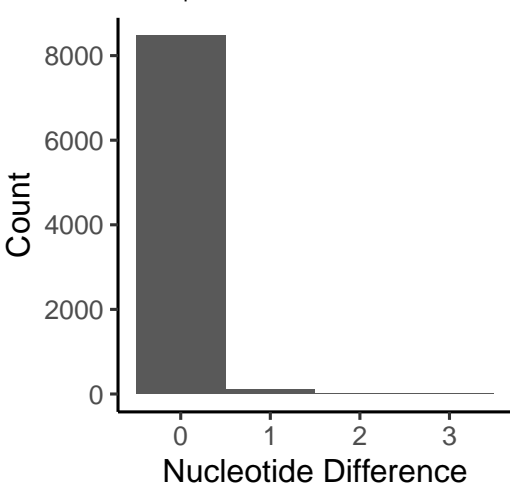
TRBV12-1*ap01

187 sequences assigned
186 (99.5%) exact matches, in which:
183 unique CDR3
12 unique J



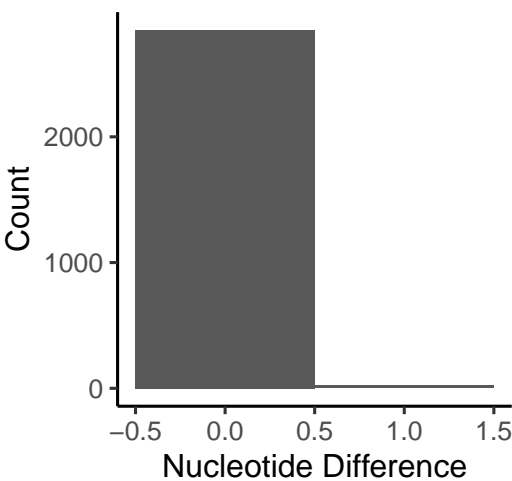
TRBV12-34*ap01

8575 sequences assigned
8470 (98.8%) exact matches, in which:
8285 unique CDR3
13 unique J



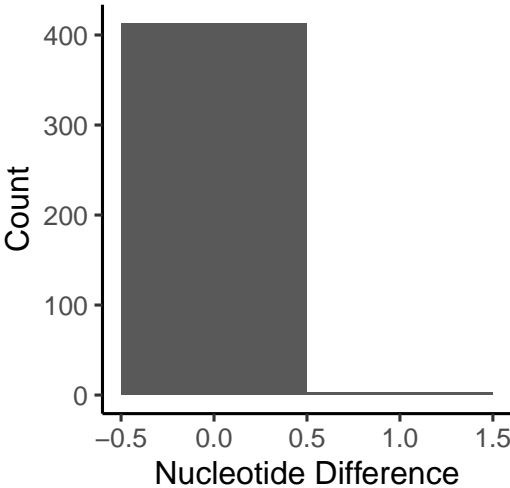
TRBV11-2*ap01

2872 sequences assigned
2849 (99.2%) exact matches, in which:
2804 unique CDR3
13 unique J



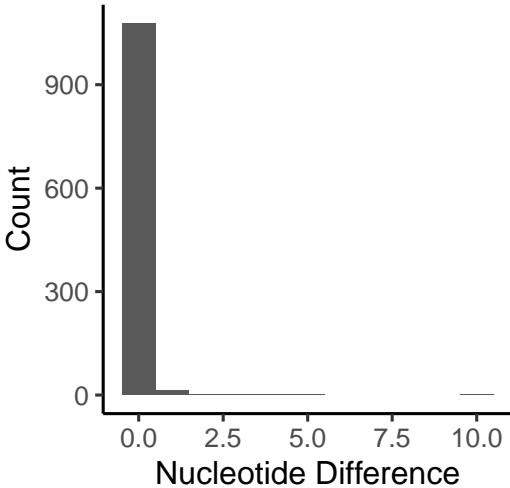
TRBV12-2*ap01

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



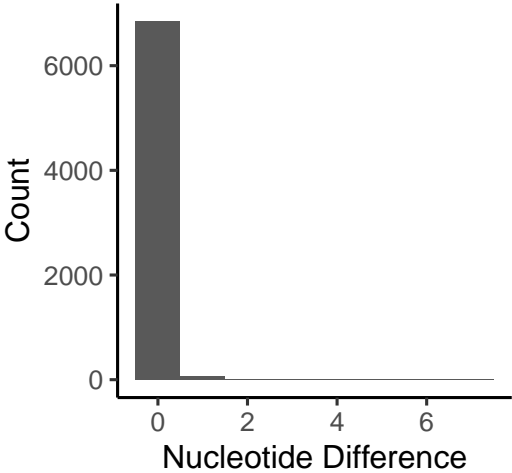
TRBV23-1*ap01

1097 sequences assigned
1078 (98.3%) exact matches, in which:
1047 unique CDR3
13 unique J



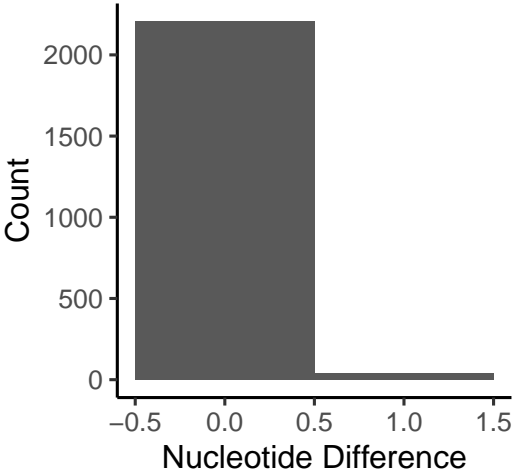
TRBV3-12*ap01

6917 sequences assigned
6846 (99%) exact matches, in which:
6722 unique CDR3
13 unique J



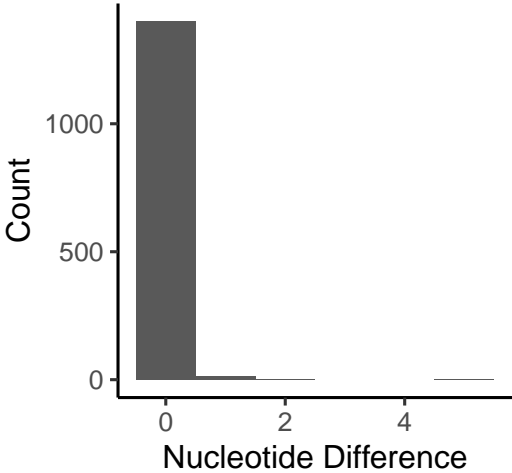
TRBV4-2*ap01

2247 sequences assigned
2206 (98.2%) exact matches, in which:
2153 unique CDR3
13 unique J



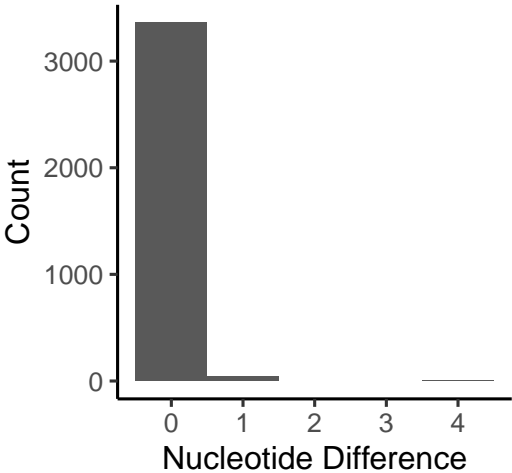
TRBV25-1*ap01

1419 sequences assigned
1400 (98.7%) exact matches, in which:
1370 unique CDR3
13 unique J



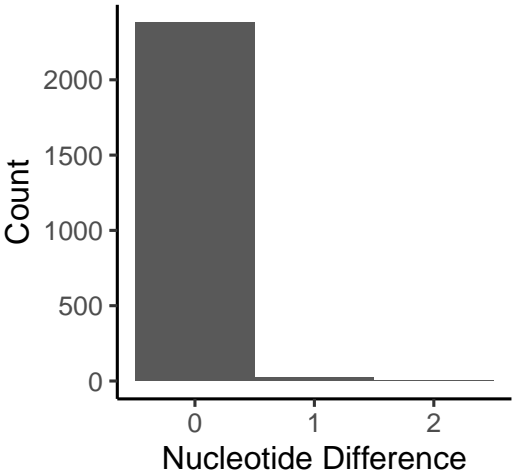
TRBV4-1*ap01

3404 sequences assigned
3360 (98.7%) exact matches, in which:
3286 unique CDR3
13 unique J



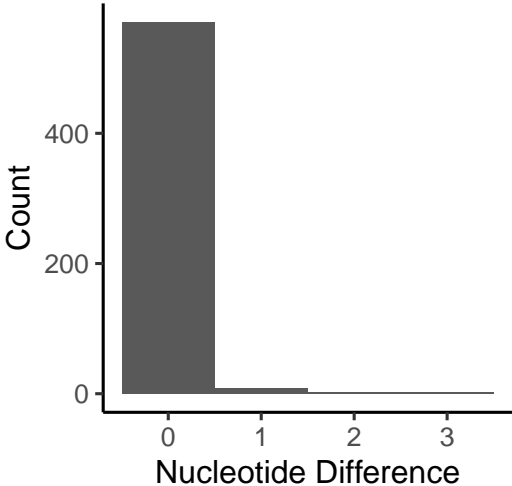
TRBV4-3*ap01

2406 sequences assigned
2379 (98.9%) exact matches, in which:
2325 unique CDR3
13 unique J



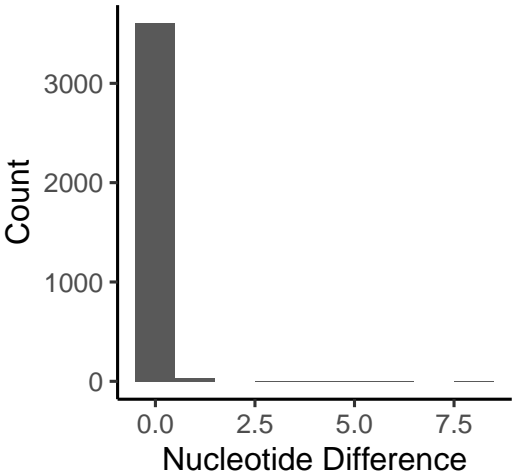
TRBV5-3*ap01

583 sequences assigned
571 (97.9%) exact matches, in which:
557 unique CDR3
13 unique J



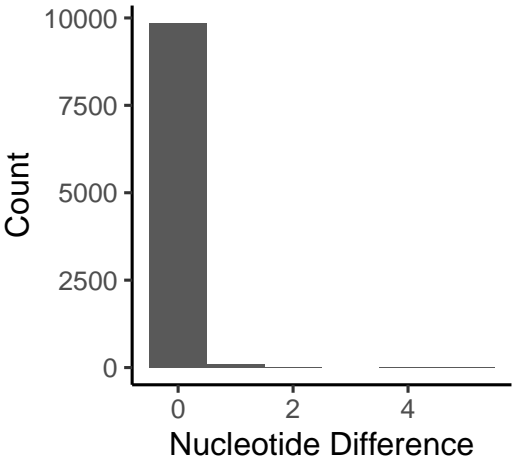
TRBV24-1*ap01

3649 sequences assigned
3607 (98.8%) exact matches, in which:
3543 unique CDR3
13 unique J



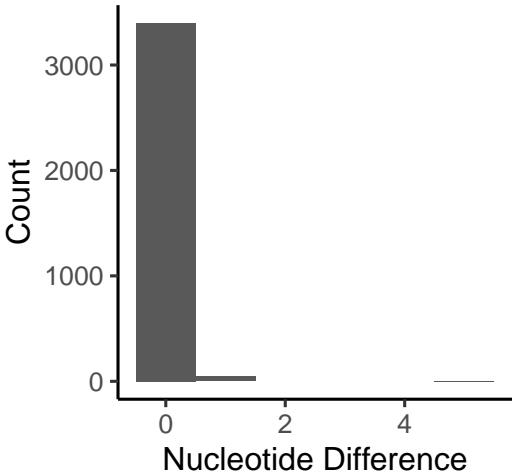
TRBV5-1*ap01

9976 sequences assigned
9861 (98.8%) exact matches, in which:
9608 unique CDR3
13 unique J



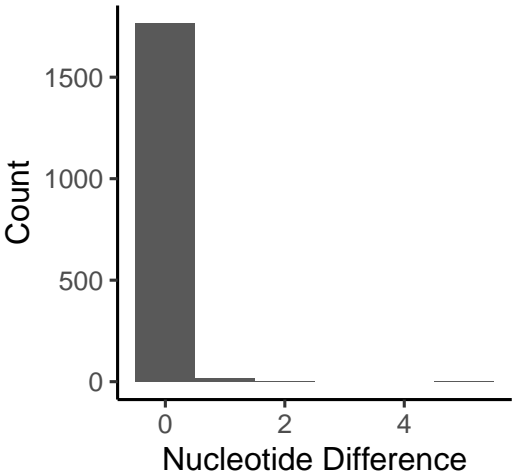
TRBV5-4*ap01

3446 sequences assigned
3398 (98.6%) exact matches, in which:
3325 unique CDR3
13 unique J



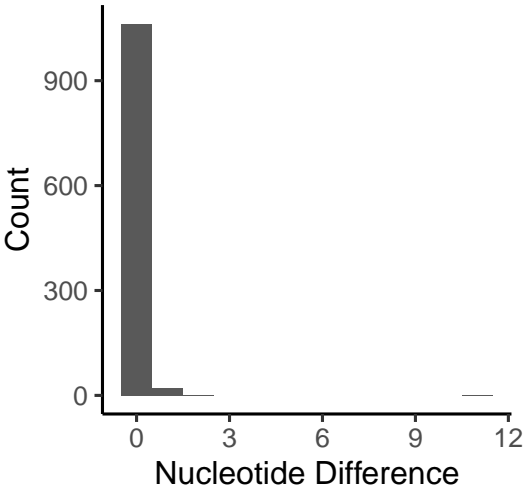
TRBV5-5*ap01

1783 sequences assigned
1765 (99%) exact matches, in which:
1740 unique CDR3
13 unique J



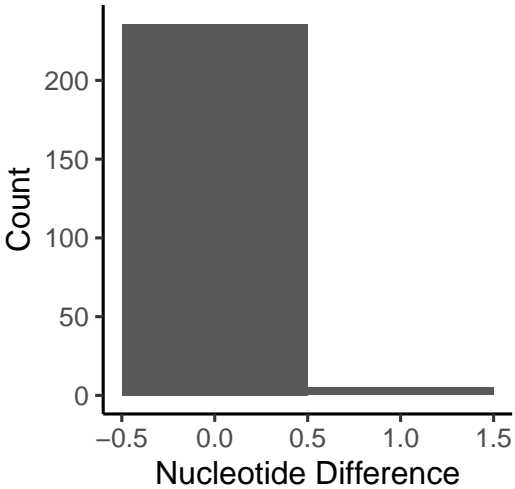
TRBV5-8*ap01

1087 sequences assigned
1063 (97.8%) exact matches, in which:
1052 unique CDR3
13 unique J



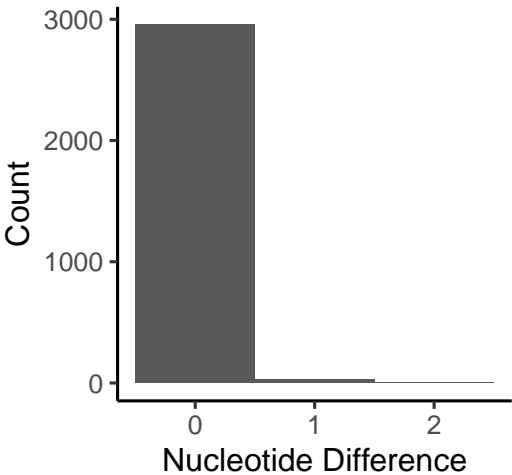
TRBV6-7*ap01

241 sequences assigned
236 (97.9%) exact matches, in which:
233 unique CDR3
13 unique J



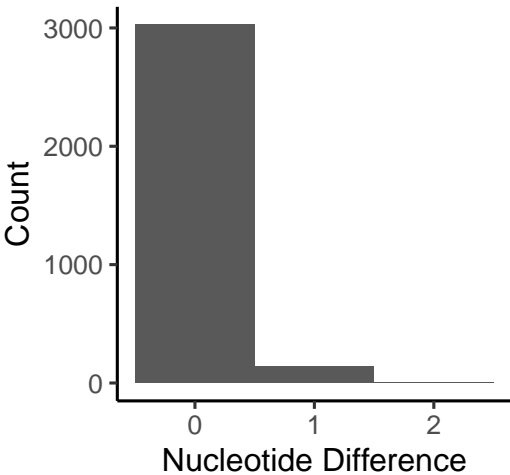
TRBV5-6*ap01

2987 sequences assigned
2955 (98.9%) exact matches, in which:
2884 unique CDR3
13 unique J



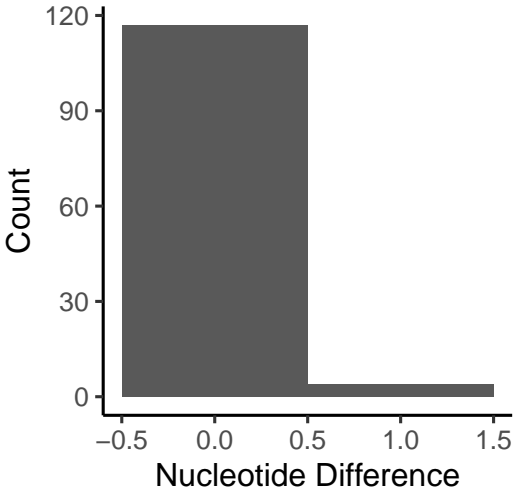
TRBV6-1*ap01

3170 sequences assigned
3027 (95.5%) exact matches, in which:
2948 unique CDR3
13 unique J



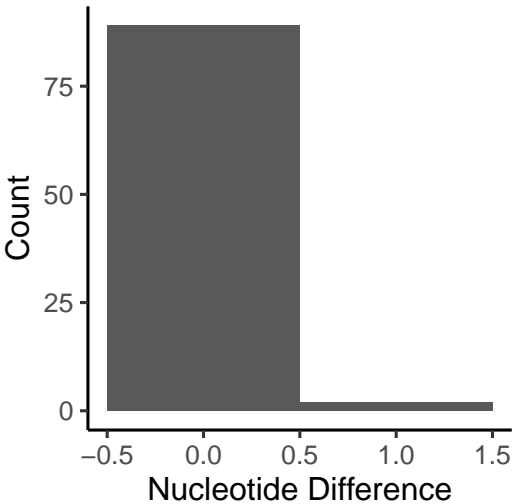
TRBV6-8*ap01

121 sequences assigned
117 (96.7%) exact matches, in which:
114 unique CDR3
13 unique J



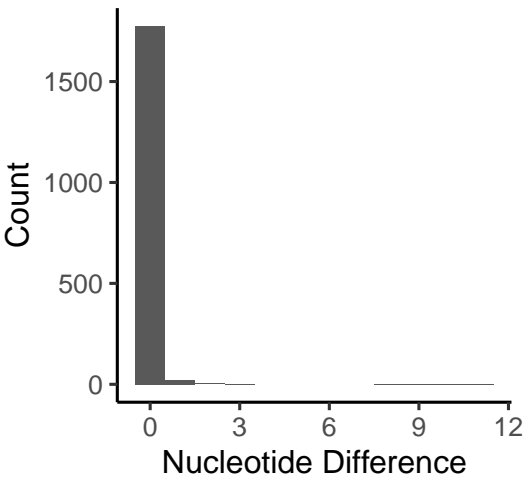
TRBV5-7*ap01

91 sequences assigned
89 (97.8%) exact matches, in which:
88 unique CDR3
12 unique J



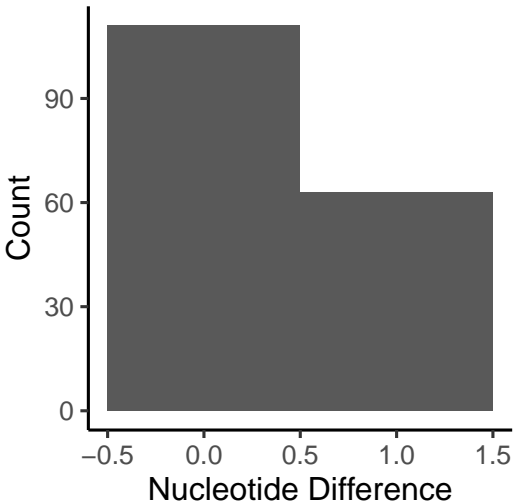
TRBV6-4*ap01

1806 sequences assigned
1775 (98.3%) exact matches, in which:
1750 unique CDR3
13 unique J



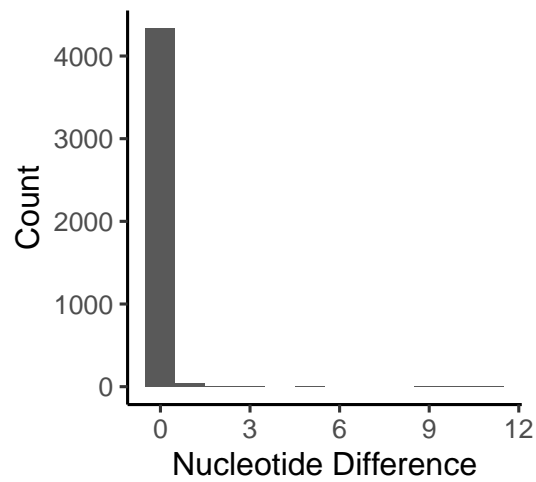
TRBV6-9*ap01

174 sequences assigned
111 (63.8%) exact matches, in which:
108 unique CDR3
13 unique J



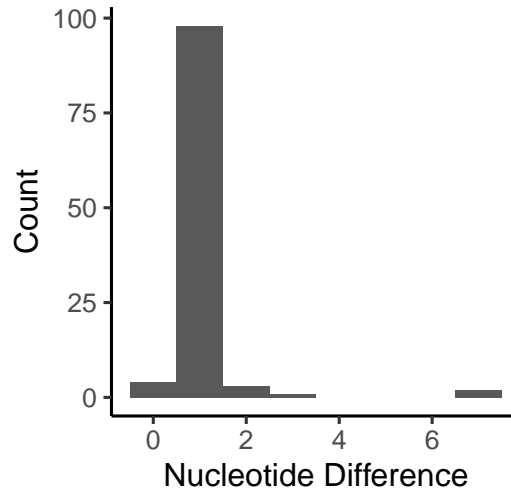
TRBV6-23*ap01

4390 sequences assigned
4334 (98.7%) exact matches, in which:
4243 unique CDR3
14 unique J



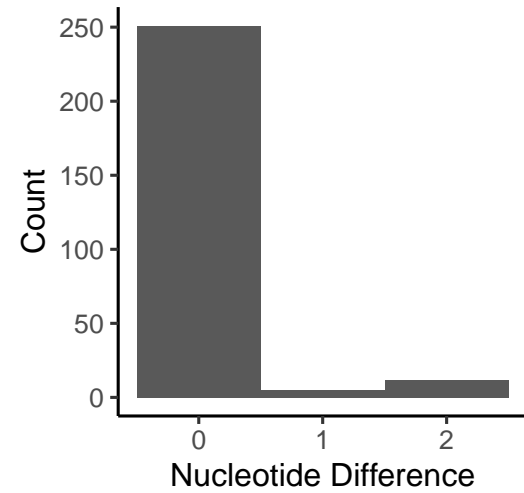
TRBV7-1*ap01_T296C

108 sequences assigned
4 (3.7%) exact matches, in which:
4 unique CDR3
3 unique J



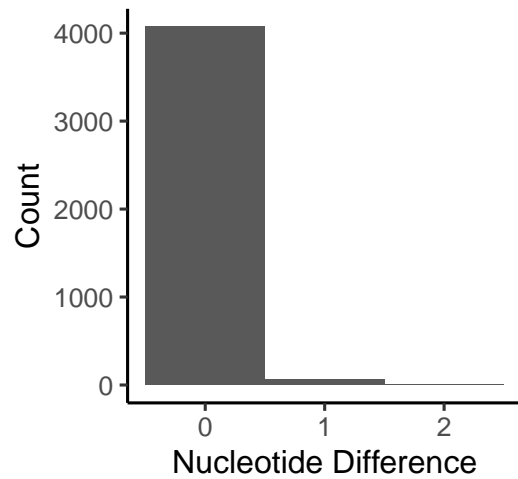
TRBV7-4*ap01

268 sequences assigned
251 (93.7%) exact matches, in which:
242 unique CDR3
13 unique J



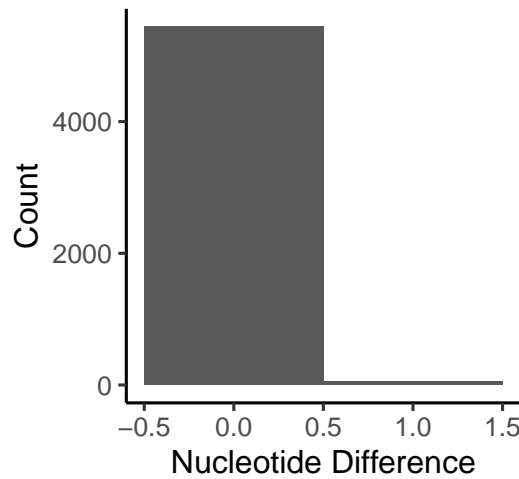
TRBV6-56*ap01

4134 sequences assigned
4073 (98.5%) exact matches, in which:
3970 unique CDR3
13 unique J



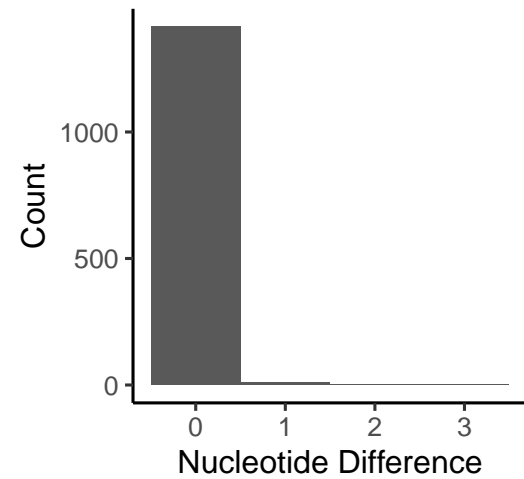
TRBV7-2*ap01

5492 sequences assigned
5441 (99.1%) exact matches, in which:
5329 unique CDR3
13 unique J



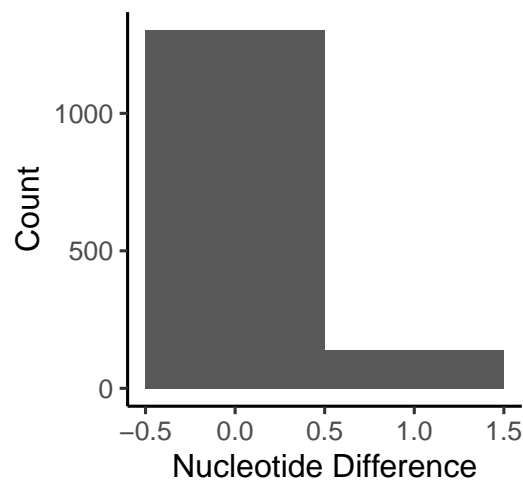
TRBV7-6*ap01

1429 sequences assigned
1416 (99.1%) exact matches, in which:
1385 unique CDR3
13 unique J



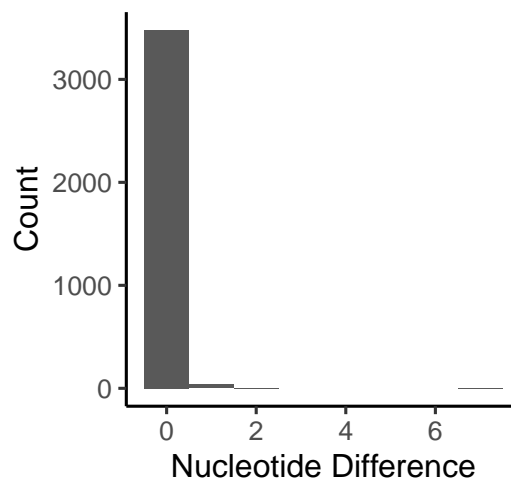
TRBV6-56*ap02

1442 sequences assigned
1303 (90.4%) exact matches, in which:
1276 unique CDR3
13 unique J



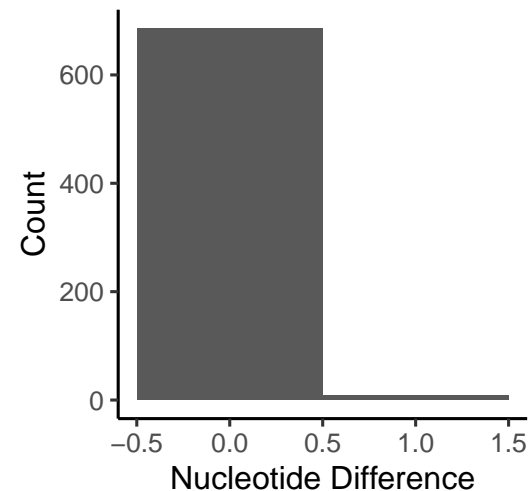
TRBV7-3*ap01

3518 sequences assigned
3479 (98.9%) exact matches, in which:
3403 unique CDR3
13 unique J



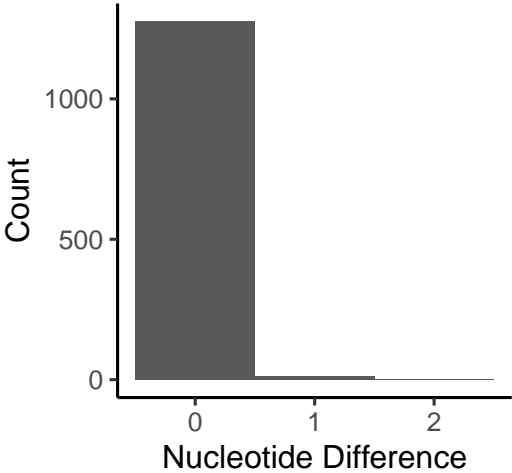
TRBV7-7*ap01_C315T

694 sequences assigned
686 (98.8%) exact matches, in which:
673 unique CDR3
13 unique J



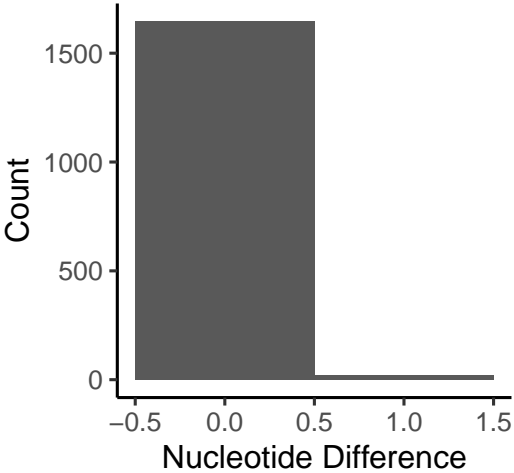
TRBV7-8*ap01

1289 sequences assigned
1276 (99%) exact matches, in which:
1244 unique CDR3
13 unique J



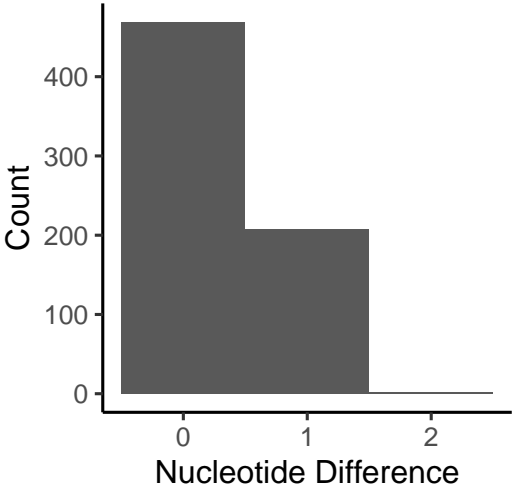
TRBV29-1*ap01

1667 sequences assigned
1646 (98.7%) exact matches, in which:
1612 unique CDR3
13 unique J



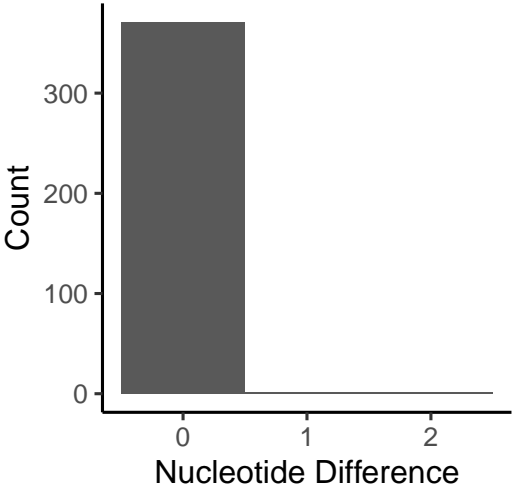
TRBV7-8*ap03

679 sequences assigned
469 (69.1%) exact matches, in which:
454 unique CDR3
13 unique J



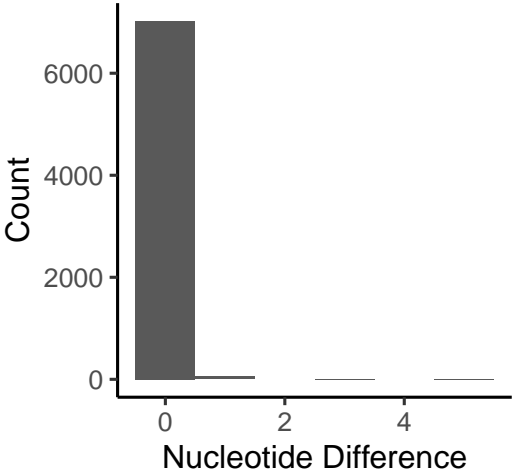
TRBV29-1*ap02

374 sequences assigned
371 (99.2%) exact matches, in which:
366 unique CDR3
13 unique J

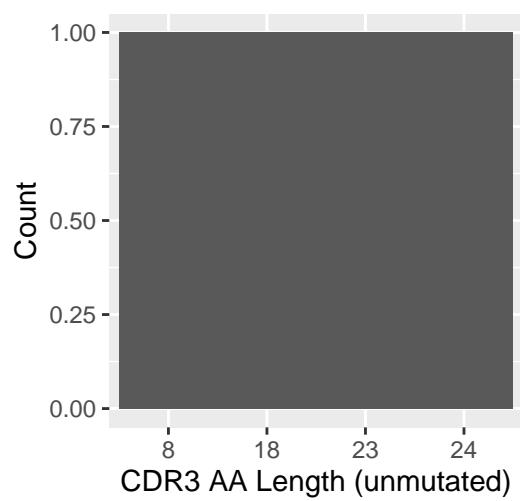


TRBV7-9*ap01

7080 sequences assigned
7023 (99.2%) exact matches, in which:
6902 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

