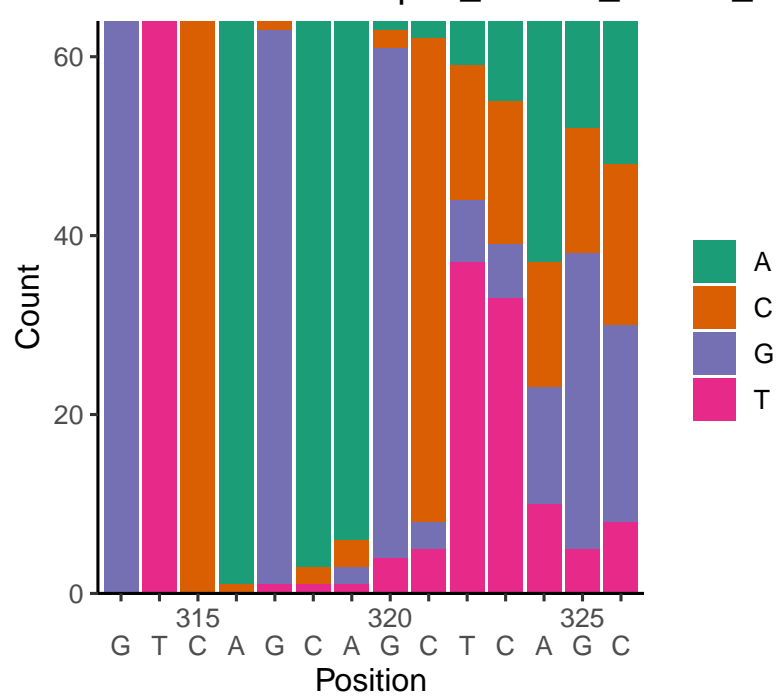
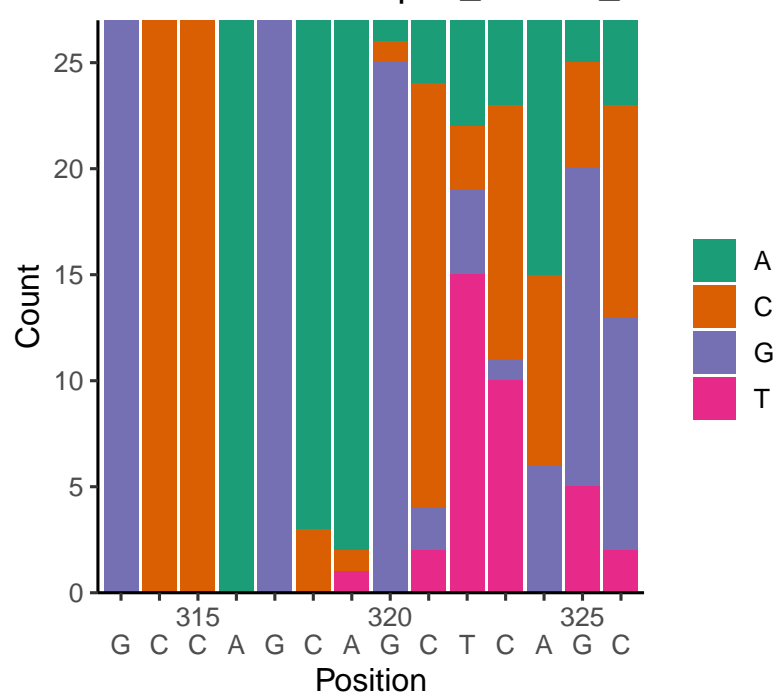


Gene TRBV7-1*ap01_G291C_T296C_C314T



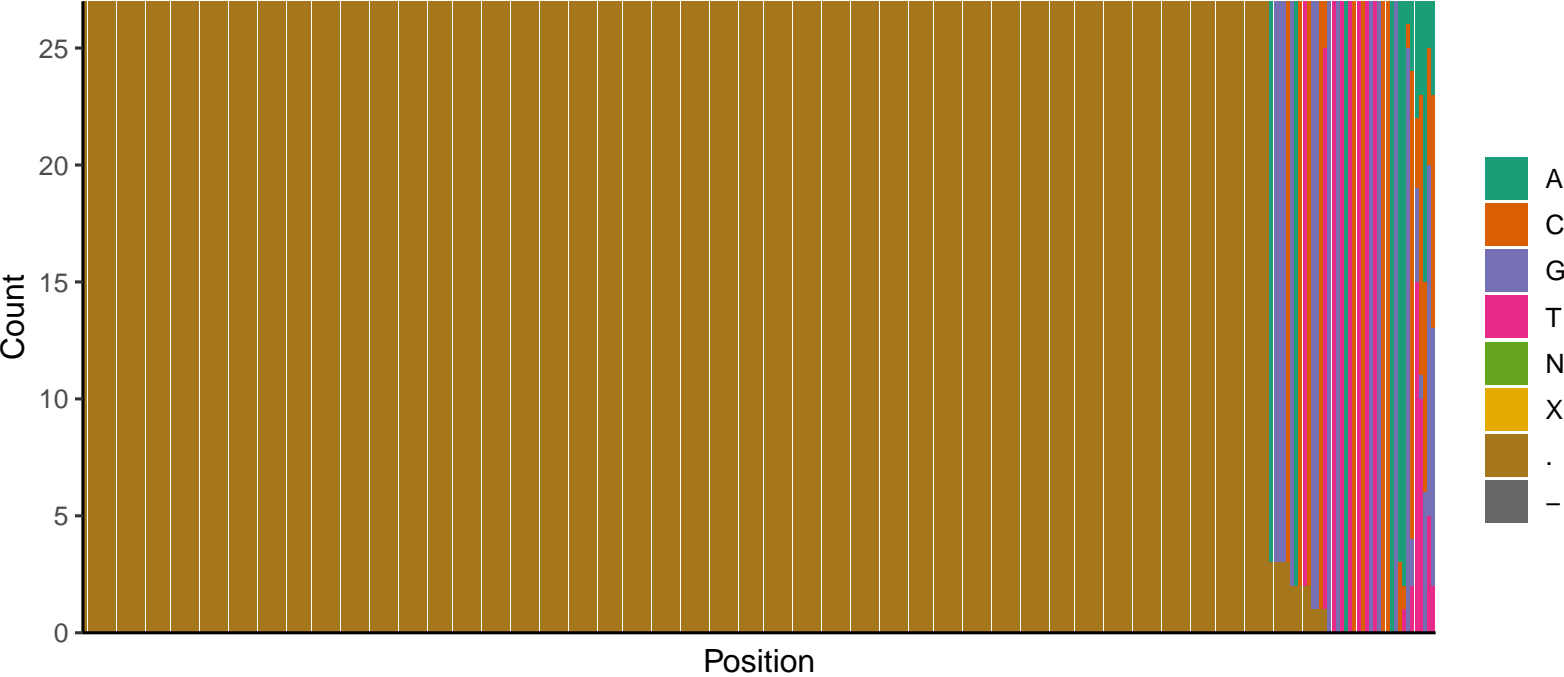
Gene TRBV7-1*ap01 G291C T296C



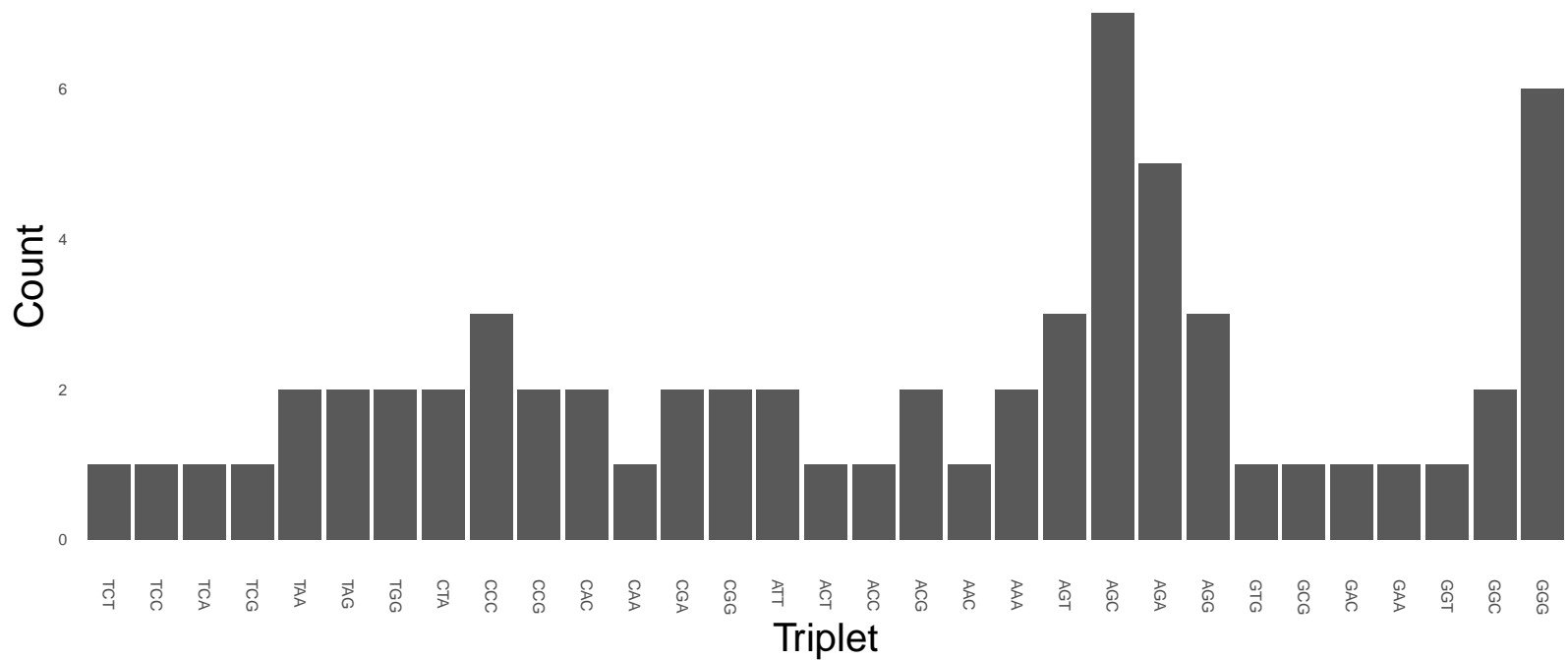
Gene TRBV7-1*ap01_G291C_T296C_C314T



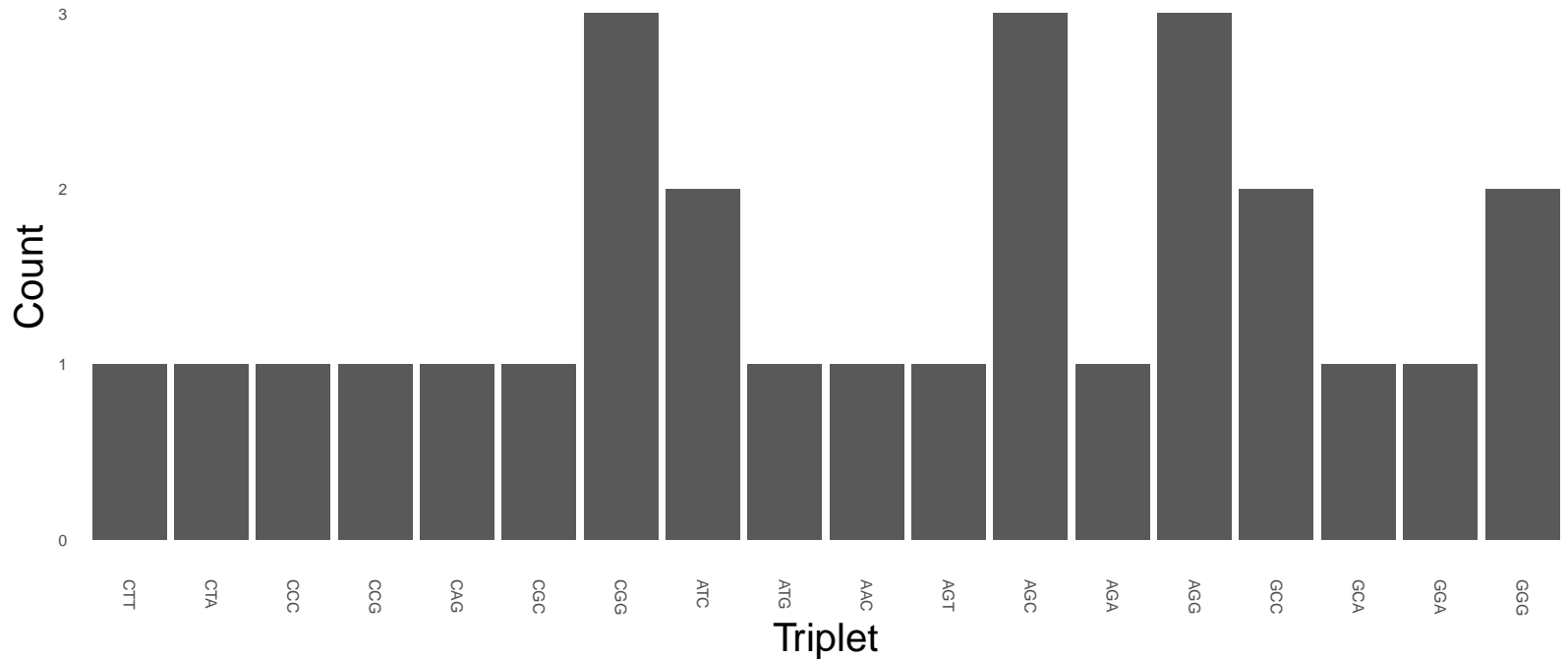
Gene TRBV7-1*ap01_G291C_T296C



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

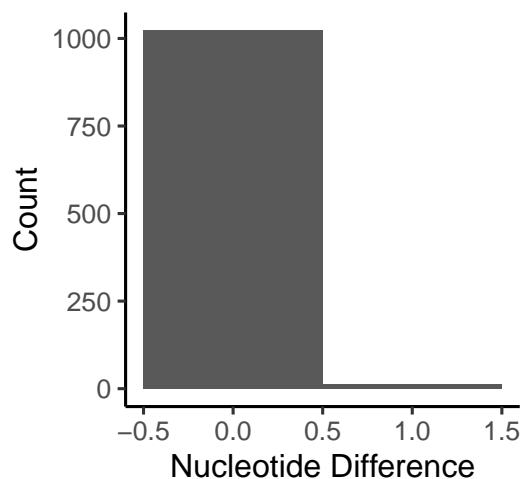


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



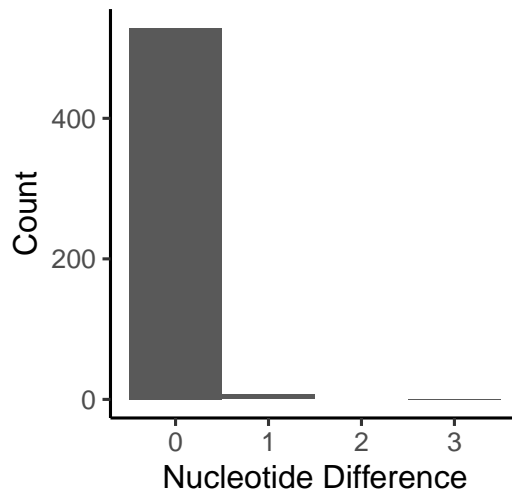
TRBV10-1*ap01

1036 sequences assigned
1023 (98.7%) exact matches, in which:
1010 unique CDR3
13 unique J



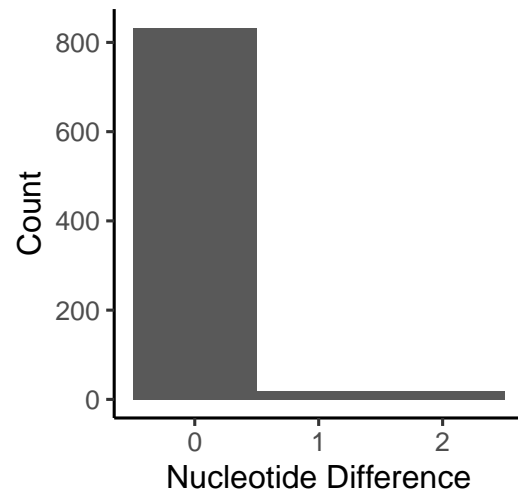
TRBV10-2*ap01

537 sequences assigned
529 (98.5%) exact matches, in which:
523 unique CDR3
13 unique J



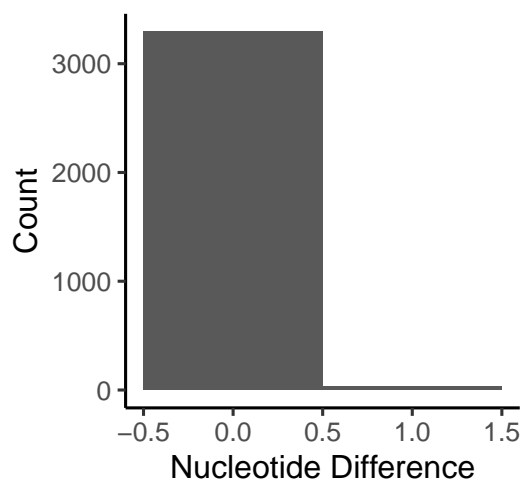
TRBV13*ap01

869 sequences assigned
833 (95.9%) exact matches, in which:
817 unique CDR3
13 unique J



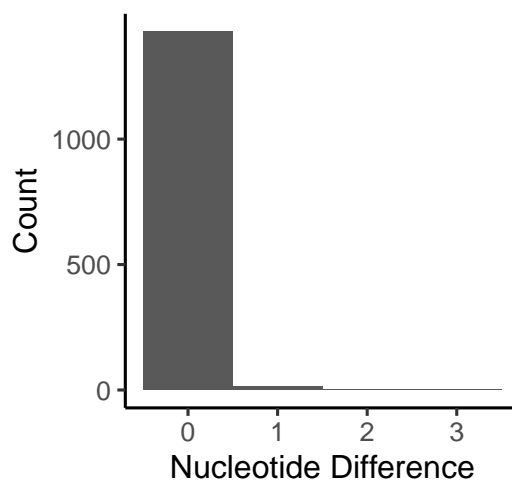
TRBV20-1*ap01

3326 sequences assigned
3294 (99%) exact matches, in which:
3266 unique CDR3
13 unique J



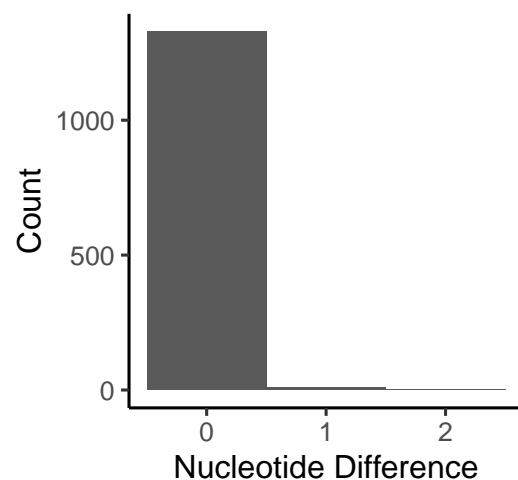
TRBV10-3*ap01

1442 sequences assigned
1428 (99%) exact matches, in which:
1406 unique CDR3
13 unique J



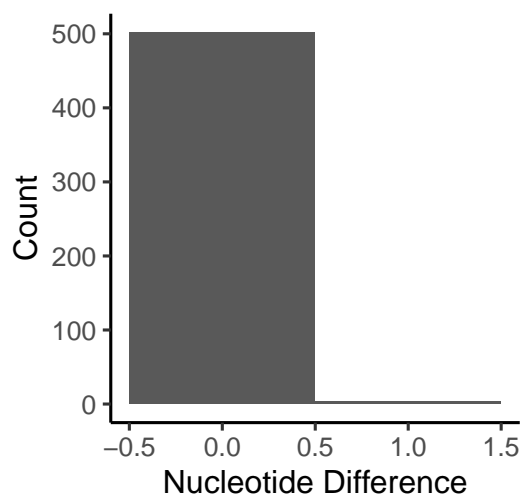
TRBV14*ap01

1337 sequences assigned
1328 (99.3%) exact matches, in which:
1316 unique CDR3
13 unique J



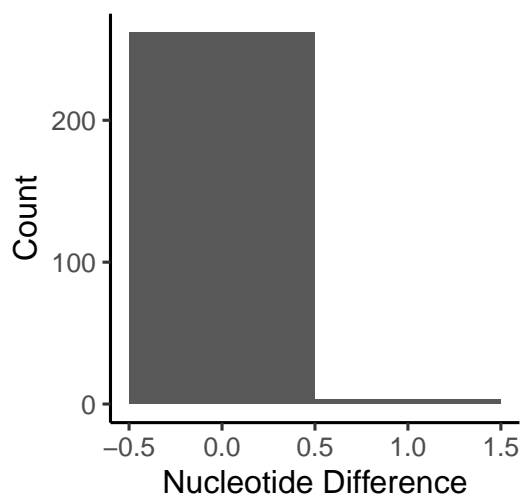
TRBV20-1*ap02

505 sequences assigned
502 (99.4%) exact matches, in which:
498 unique CDR3
13 unique J



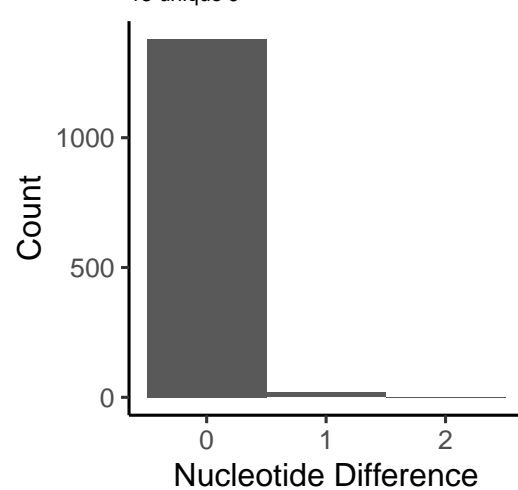
TRBV1*ap01

265 sequences assigned
262 (98.9%) exact matches, in which:
258 unique CDR3
13 unique J



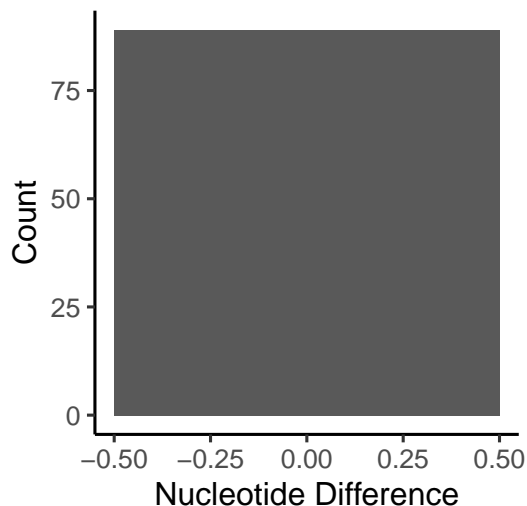
TRBV15*ap02

1399 sequences assigned
1380 (98.6%) exact matches, in which:
1363 unique CDR3
13 unique J



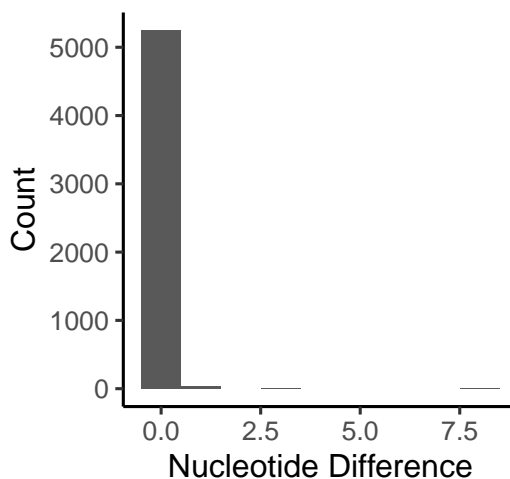
TRBV16*ap01

89 sequences assigned
89 (100%) exact matches, in which:
88 unique CDR3
12 unique J



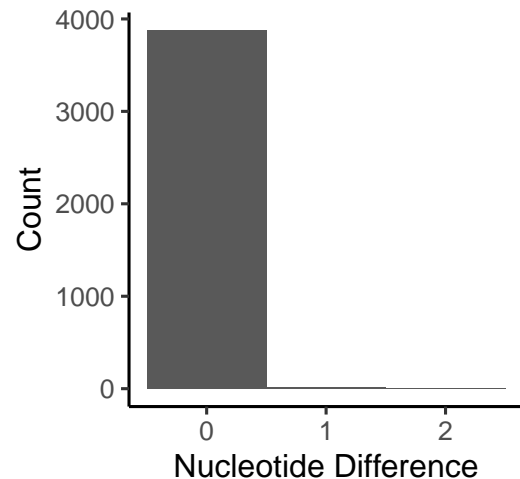
TRBV19*ap01

5293 sequences assigned
5247 (99.1%) exact matches, in which:
5224 unique CDR3
13 unique J



TRBV28*ap01

3898 sequences assigned
3876 (99.4%) exact matches, in which:
3852 unique CDR3
13 unique J



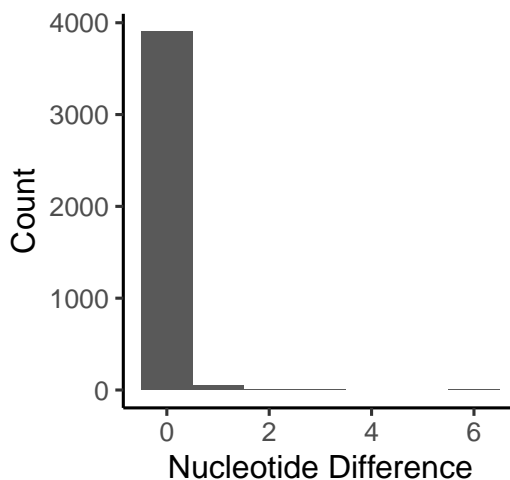
TRBV17*ap01

1 sequences assigned
No exact matches.



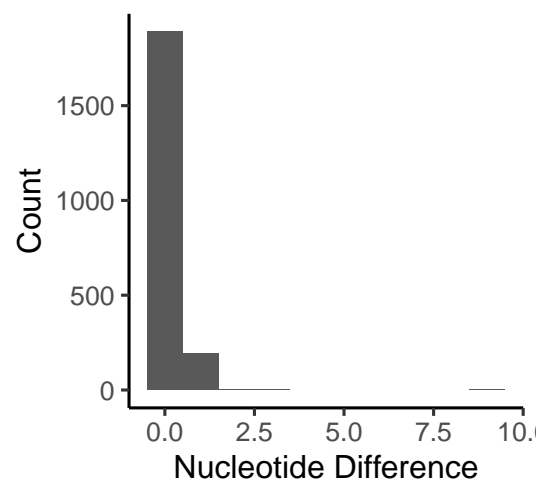
TRBV2*ap01

3960 sequences assigned
3902 (98.5%) exact matches, in which:
3855 unique CDR3
13 unique J



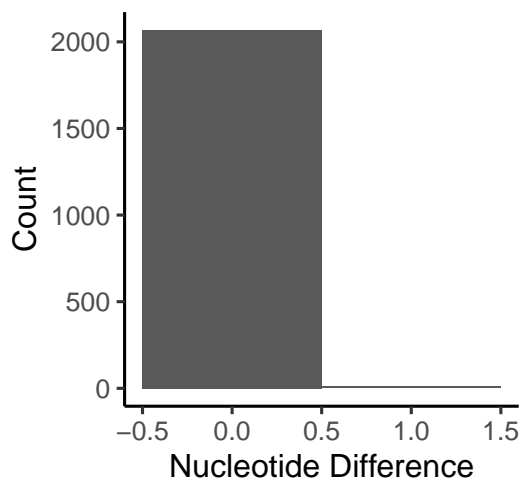
TRBV30*ap01

2090 sequences assigned
1890 (90.4%) exact matches, in which:
1870 unique CDR3
13 unique J



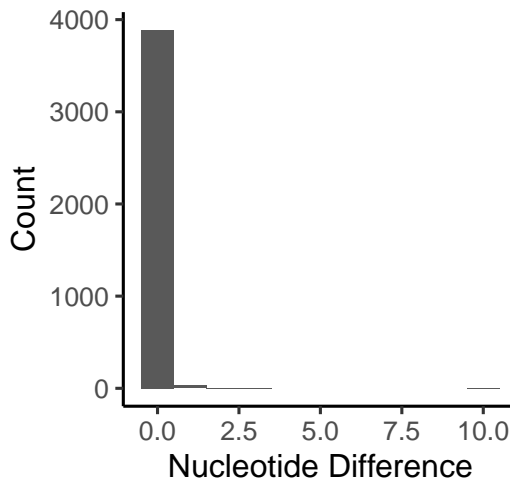
TRBV18*ap01

2078 sequences assigned
2068 (99.5%) exact matches, in which:
2060 unique CDR3
13 unique J



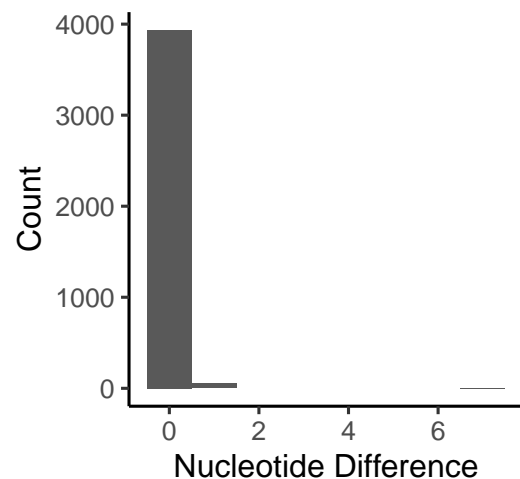
TRBV27*ap01

3925 sequences assigned
3887 (99%) exact matches, in which:
3852 unique CDR3
13 unique J



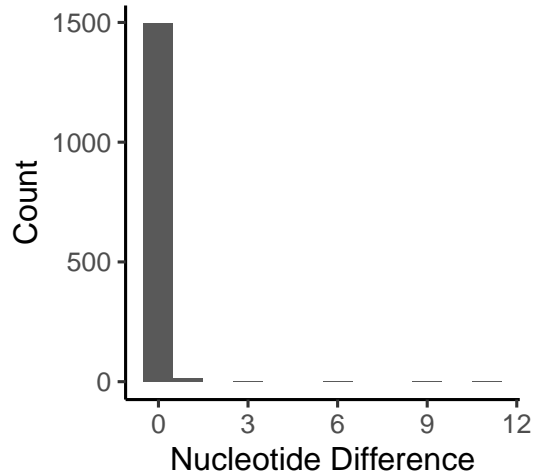
TRBV9*ap01

3988 sequences assigned
3935 (98.7%) exact matches, in which:
3908 unique CDR3
13 unique J



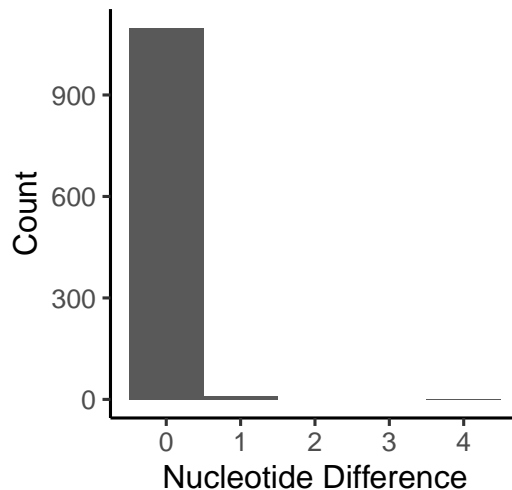
TRBV21-1*ap01

1518 sequences assigned
1496 (98.6%) exact matches, in which:
1487 unique CDR3
13 unique J



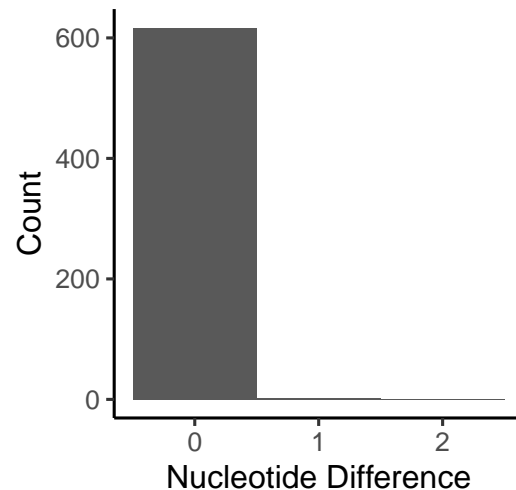
TRBV11-3*ap01

1109 sequences assigned
1099 (99.1%) exact matches, in which:
1091 unique CDR3
13 unique J



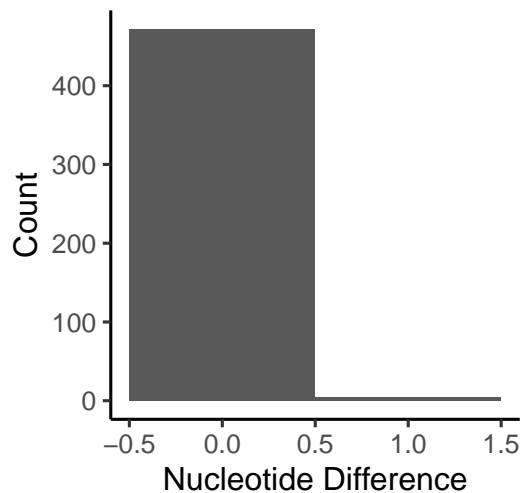
TRBV12-5*ap01

620 sequences assigned
617 (99.5%) exact matches, in which:
610 unique CDR3
13 unique J



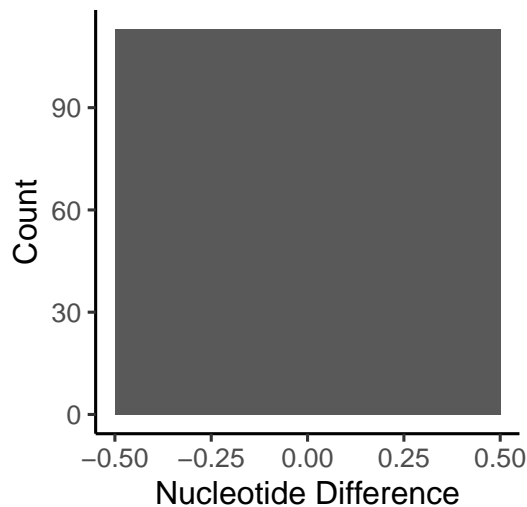
TRBV11-1*ap01

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



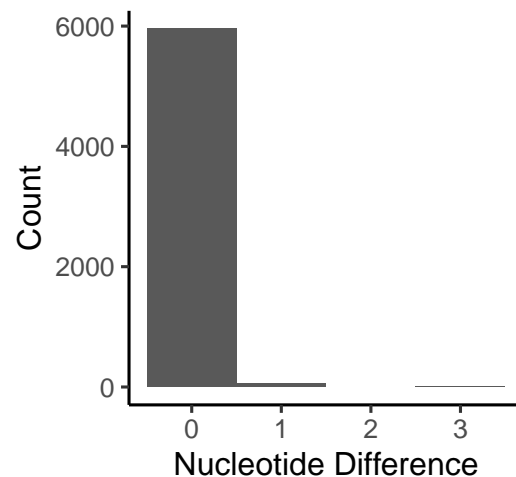
TRBV12-1*ap01

113 sequences assigned
113 (100%) exact matches, in which:
112 unique CDR3
13 unique J



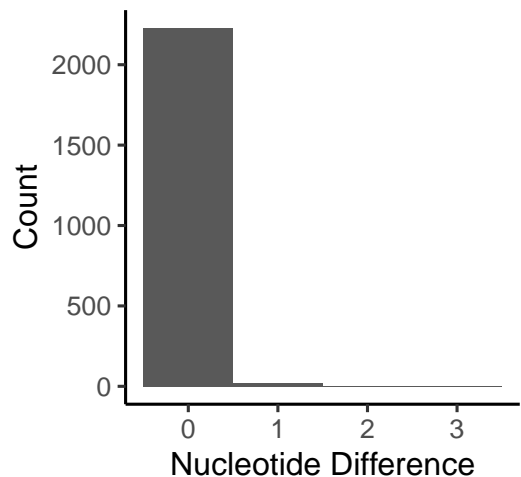
TRBV12-34*ap01

6007 sequences assigned
5956 (99.2%) exact matches, in which:
5882 unique CDR3
13 unique J



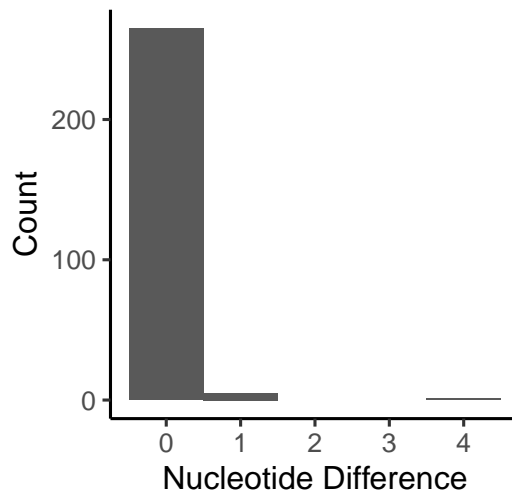
TRBV11-2*ap01

2249 sequences assigned
2228 (99.1%) exact matches, in which:
2213 unique CDR3
13 unique J



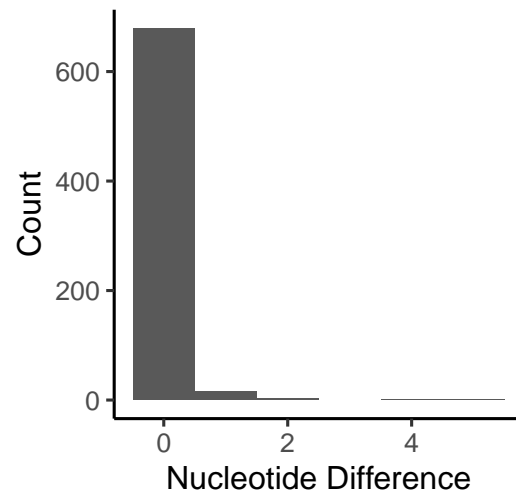
TRBV12-2*ap01

271 sequences assigned
265 (97.8%) exact matches, in which:
263 unique CDR3
13 unique J



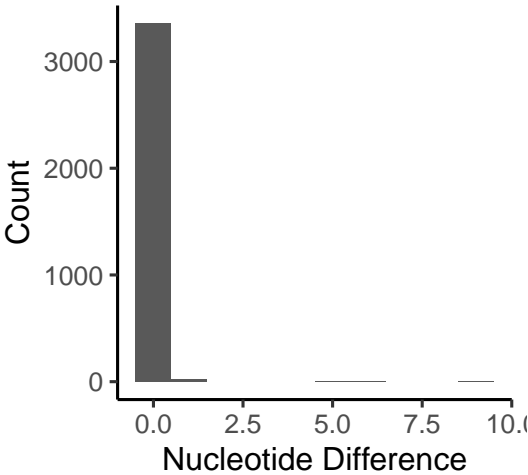
TRBV23-1*ap01

698 sequences assigned
679 (97.3%) exact matches, in which:
678 unique CDR3
13 unique J



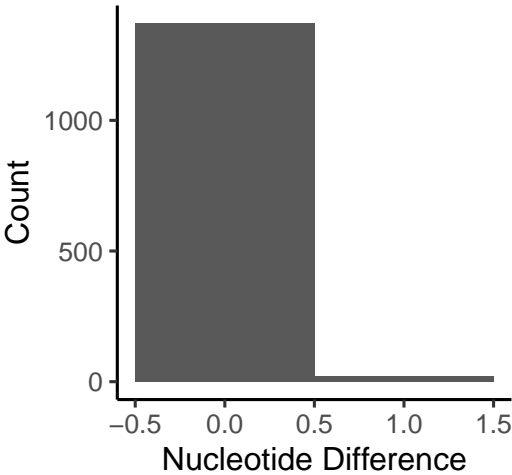
TRBV3-12*ap01

3388 sequences assigned
3357 (99.1%) exact matches, in which:
3342 unique CDR3
13 unique J



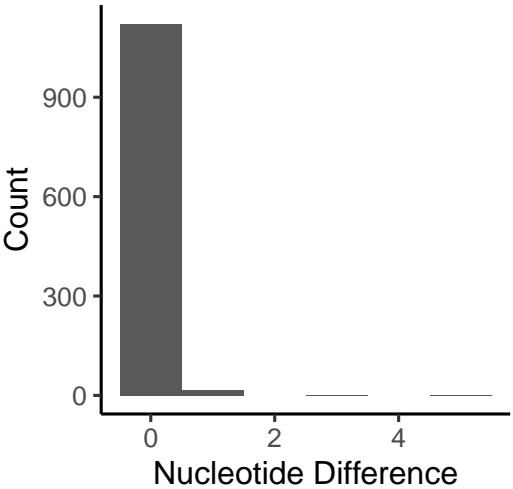
TRBV4-2*ap01

1392 sequences assigned
1371 (98.5%) exact matches, in which:
1355 unique CDR3
13 unique J



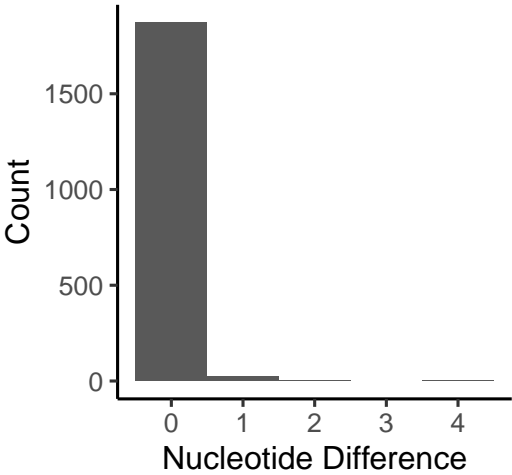
TRBV25-1*ap01

1141 sequences assigned
1122 (98.3%) exact matches, in which:
1102 unique CDR3
13 unique J



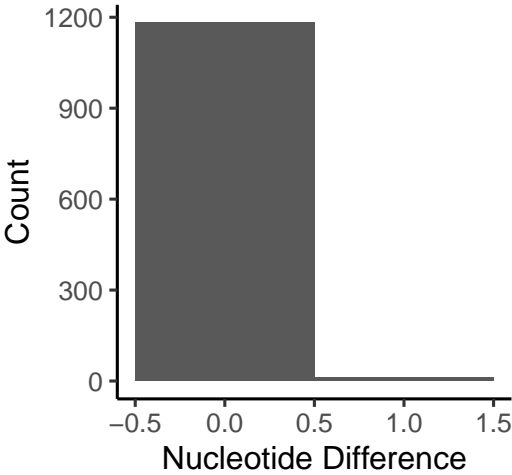
TRBV24-1*ap01

1895 sequences assigned
1871 (98.7%) exact matches, in which:
1848 unique CDR3
13 unique J



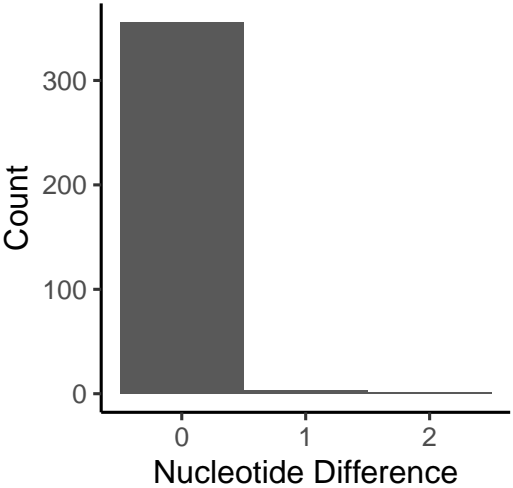
TRBV4-3*ap01

1194 sequences assigned
1182 (99%) exact matches, in which:
1171 unique CDR3
13 unique J



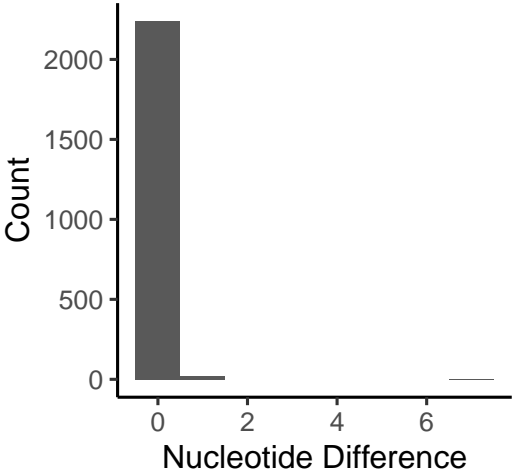
TRBV5-3*ap01

360 sequences assigned
356 (98.9%) exact matches, in which:
351 unique CDR3
13 unique J



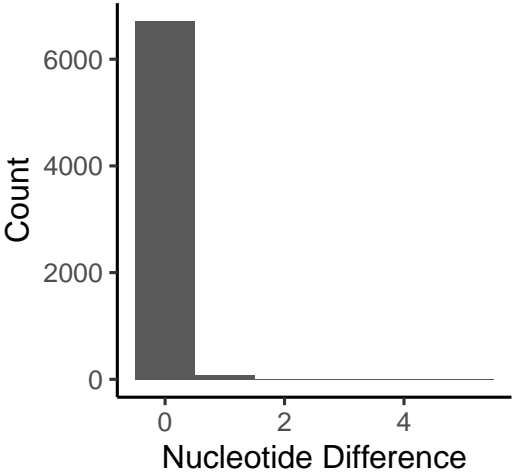
TRBV4-1*ap01

2260 sequences assigned
2240 (99.1%) exact matches, in which:
2214 unique CDR3
13 unique J



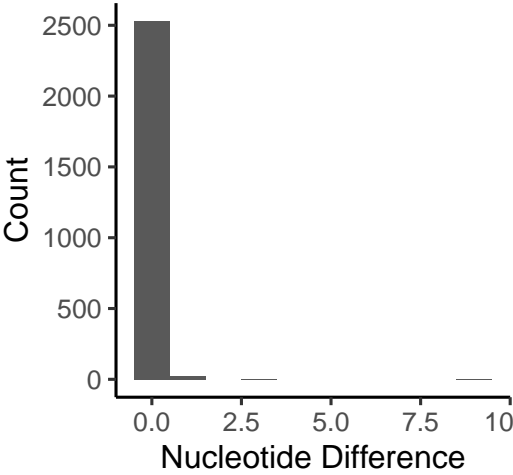
TRBV5-1*ap01

6804 sequences assigned
6715 (98.7%) exact matches, in which:
6630 unique CDR3
13 unique J



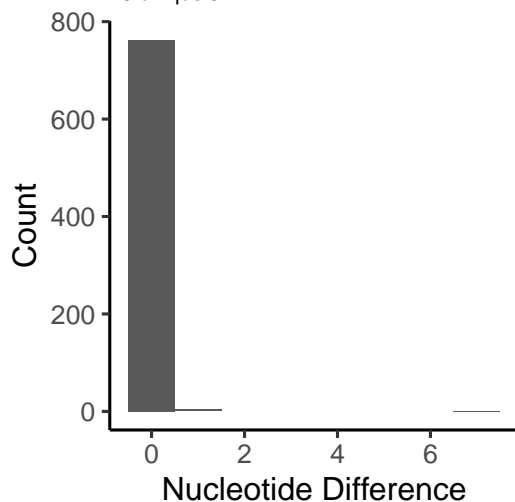
TRBV5-4*ap01

2556 sequences assigned
2530 (99%) exact matches, in which:
2488 unique CDR3
13 unique J



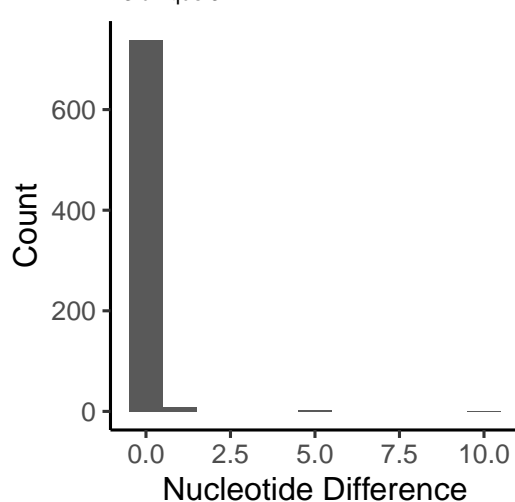
TRBV5-5*ap01

768 sequences assigned
763 (99.3%) exact matches, in which:
761 unique CDR3
13 unique J



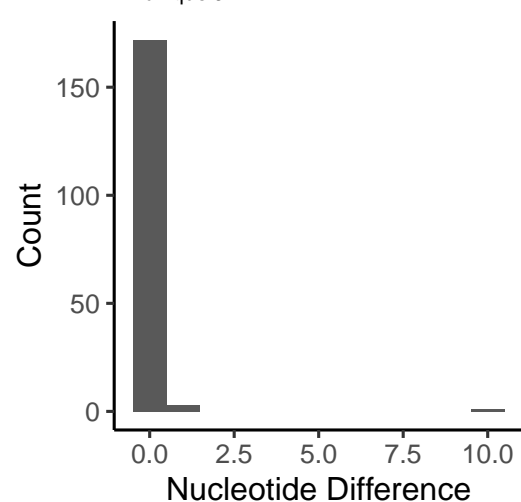
TRBV5-8*ap01

751 sequences assigned
739 (98.4%) exact matches, in which:
731 unique CDR3
13 unique J



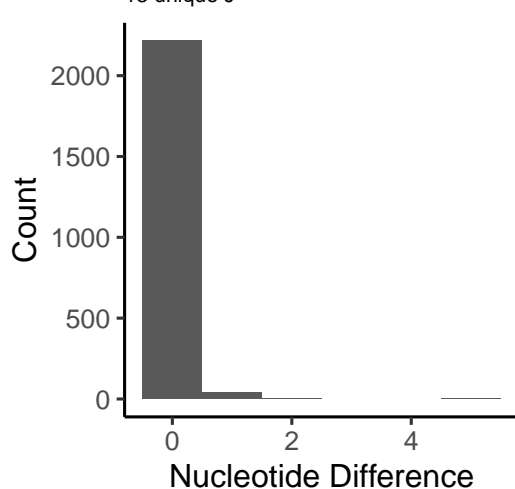
TRBV6-7*ap01

176 sequences assigned
172 (97.7%) exact matches, in which:
168 unique CDR3
12 unique J



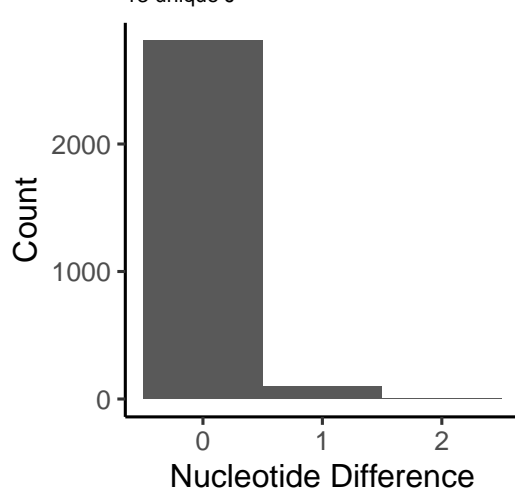
TRBV5-6*ap01

2257 sequences assigned
2216 (98.2%) exact matches, in which:
2168 unique CDR3
13 unique J



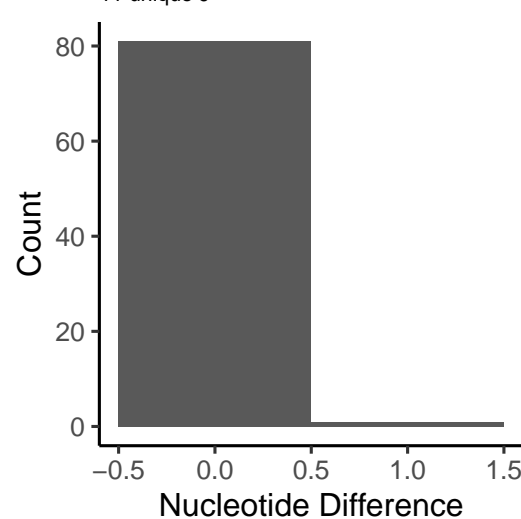
TRBV6-1*ap01

2913 sequences assigned
2810 (96.5%) exact matches, in which:
2772 unique CDR3
13 unique J



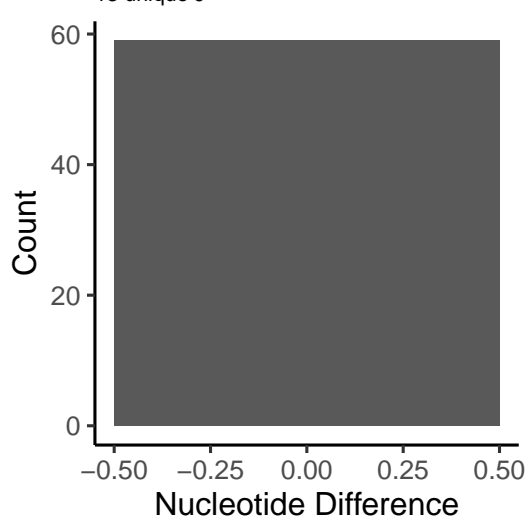
TRBV6-8*ap01

82 sequences assigned
81 (98.8%) exact matches, in which:
79 unique CDR3
11 unique J



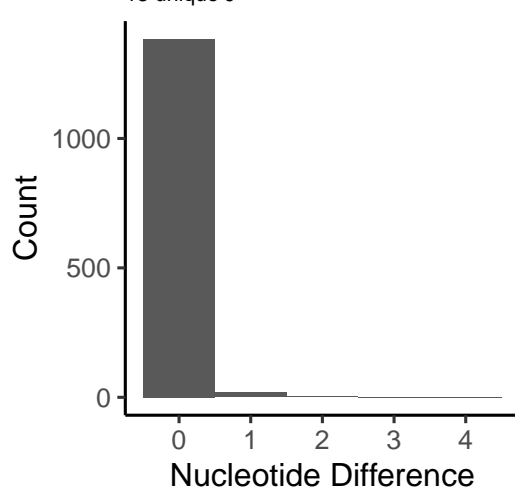
TRBV5-7*ap01

59 sequences assigned
59 (100%) exact matches, in which:
59 unique CDR3
13 unique J



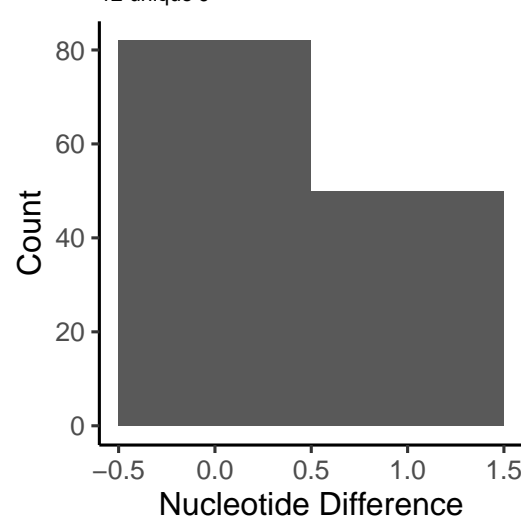
TRBV6-4*ap01

1409 sequences assigned
1384 (98.2%) exact matches, in which:
1374 unique CDR3
13 unique J



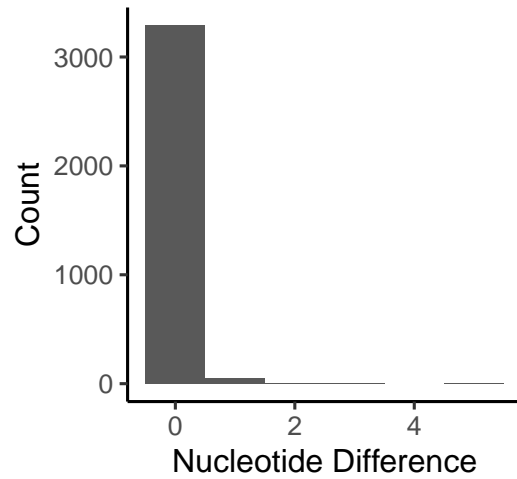
TRBV6-9*ap01

132 sequences assigned
82 (62.1%) exact matches, in which:
80 unique CDR3
12 unique J



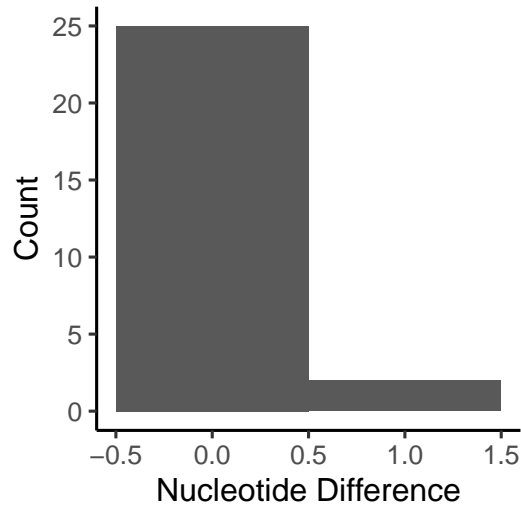
TRBV6–23*ap01

3349 sequences assigned
3290 (98.2%) exact matches, in which:
3236 unique CDR3
13 unique J



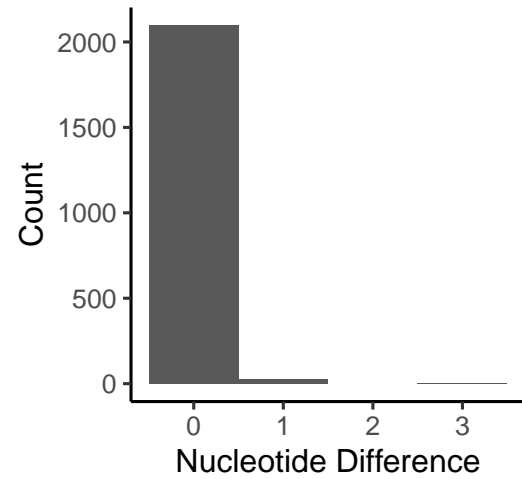
TRBV7–1*ap01_G291C_T

27 sequences assigned
25 (92.6%) exact matches, in which:
24 unique CDR3
10 unique J



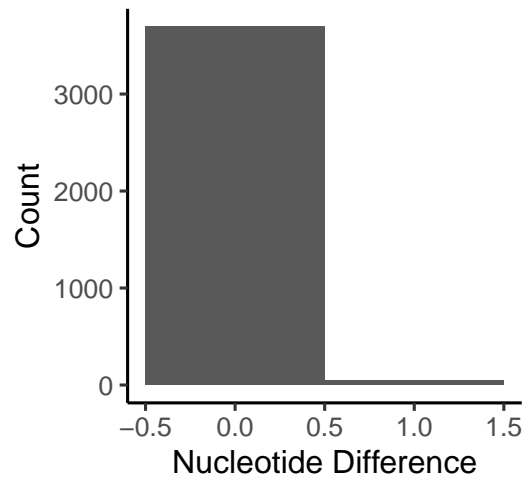
TRBV7–3*ap01

2123 sequences assigned
2097 (98.8%) exact matches, in which:
2087 unique CDR3
13 unique J



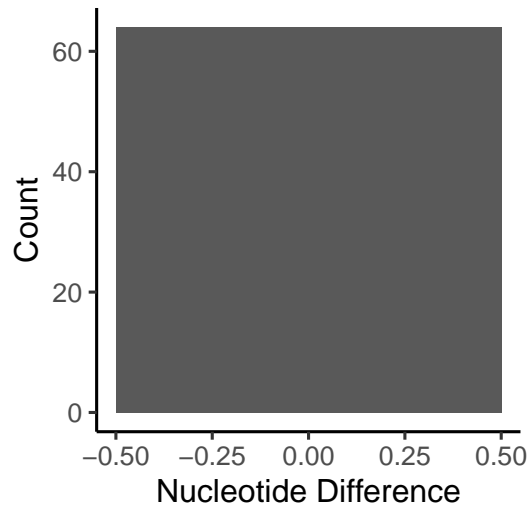
TRBV6–56*ap01

3744 sequences assigned
3694 (98.7%) exact matches, in which:
3625 unique CDR3
13 unique J



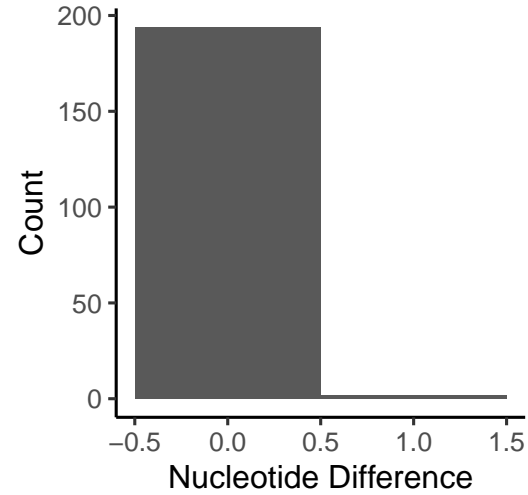
TRBV7–1*ap01_G291C_T

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



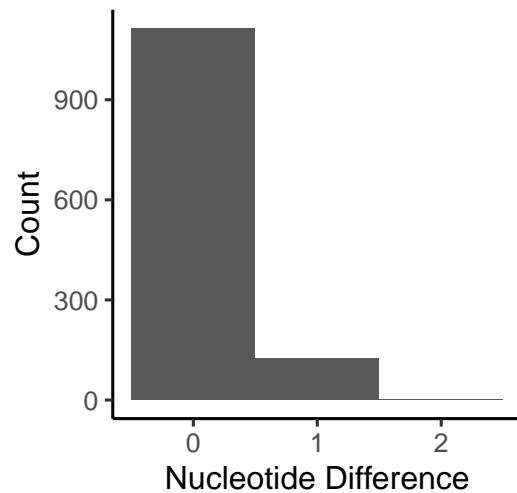
TRBV7–4*ap01

196 sequences assigned
194 (99%) exact matches, in which:
193 unique CDR3
13 unique J



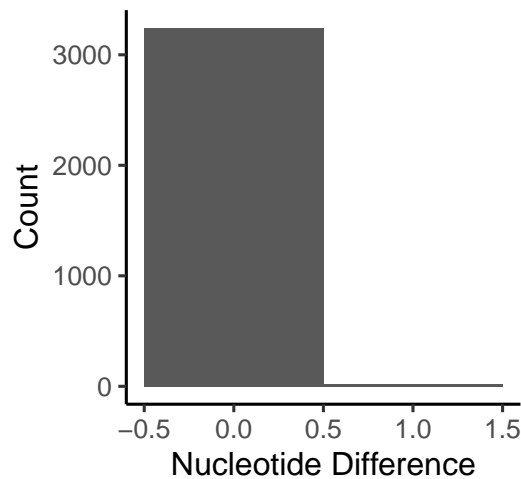
TRBV6–56*ap02

1241 sequences assigned
1114 (89.8%) exact matches, in which:
1095 unique CDR3
13 unique J



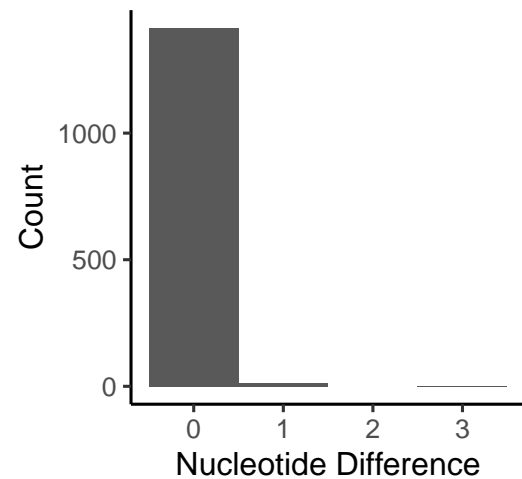
TRBV7–2*ap01

3265 sequences assigned
3242 (99.3%) exact matches, in which:
3218 unique CDR3
13 unique J



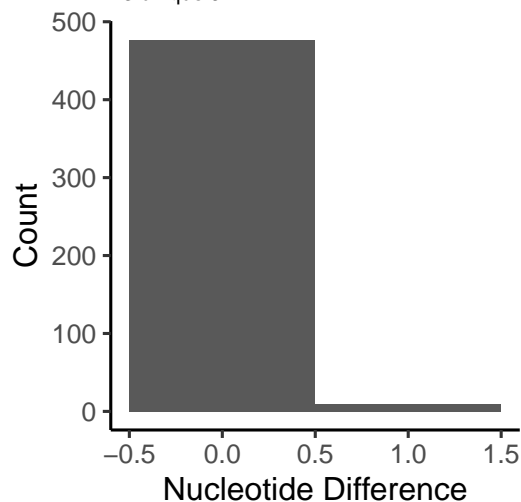
TRBV7–6*ap01

1430 sequences assigned
1415 (99%) exact matches, in which:
1395 unique CDR3
13 unique J



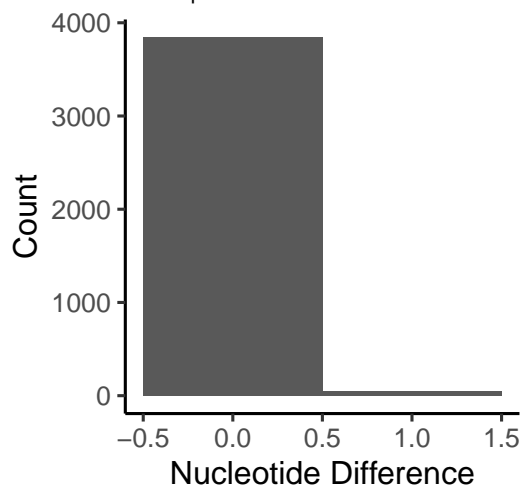
TRBV7-7*ap01

486 sequences assigned
477 (98.1%) exact matches, in which:
474 unique CDR3
13 unique J



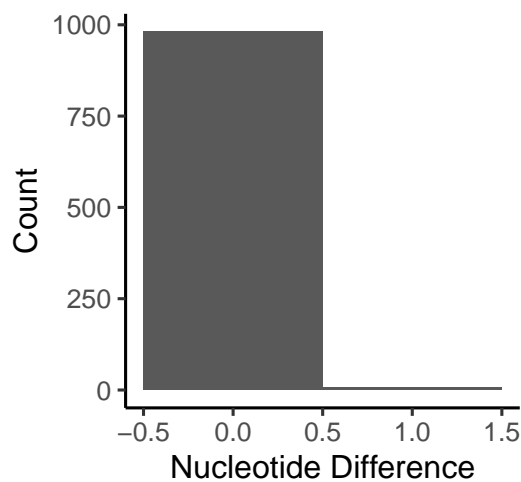
TRBV7-9*ap01

3887 sequences assigned
3843 (98.9%) exact matches, in which:
3800 unique CDR3
13 unique J



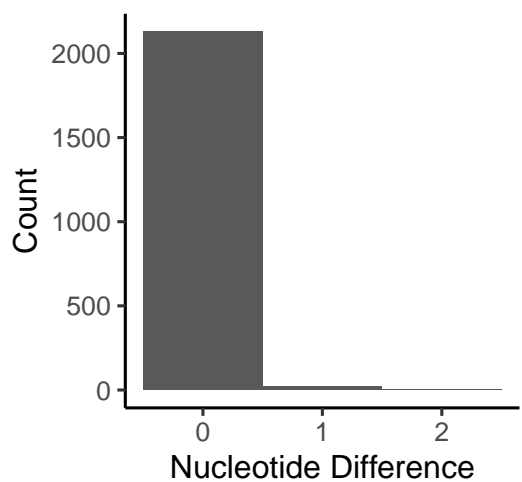
TRBV7-8*ap01

988 sequences assigned
981 (99.3%) exact matches, in which:
974 unique CDR3
13 unique J



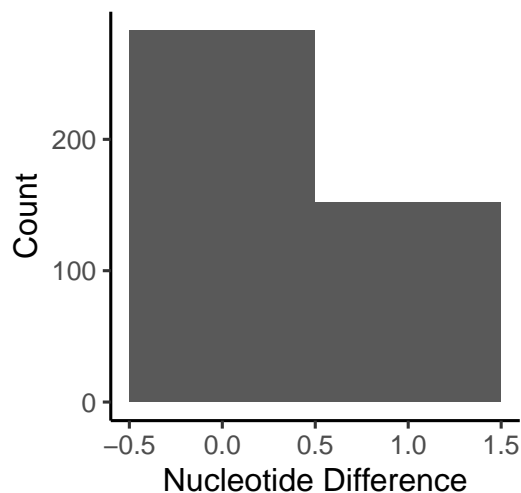
TRBV29-1*ap01

2150 sequences assigned
2129 (99%) exact matches, in which:
2093 unique CDR3
13 unique J



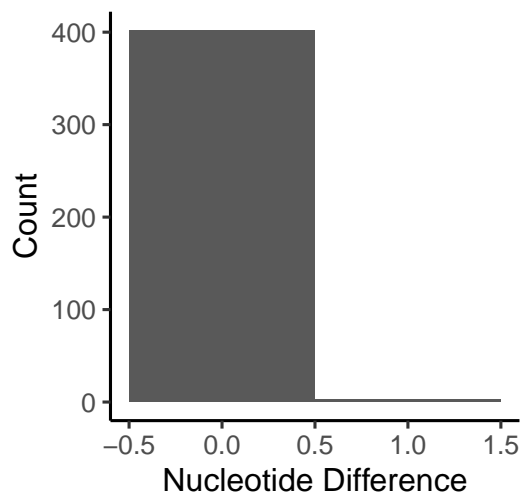
TRBV7-8*ap03

435 sequences assigned
283 (65.1%) exact matches, in which:
281 unique CDR3
13 unique J

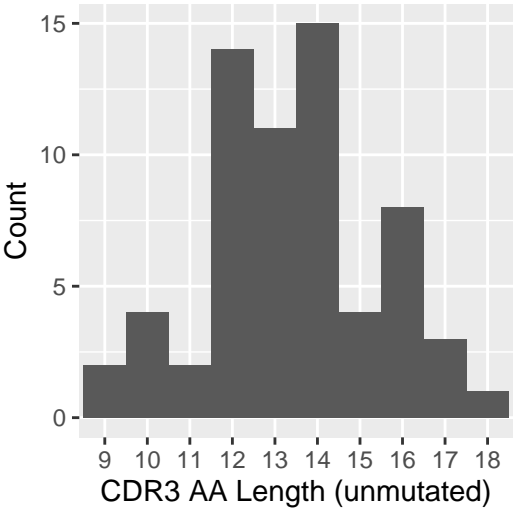


TRBV29-1*ap02

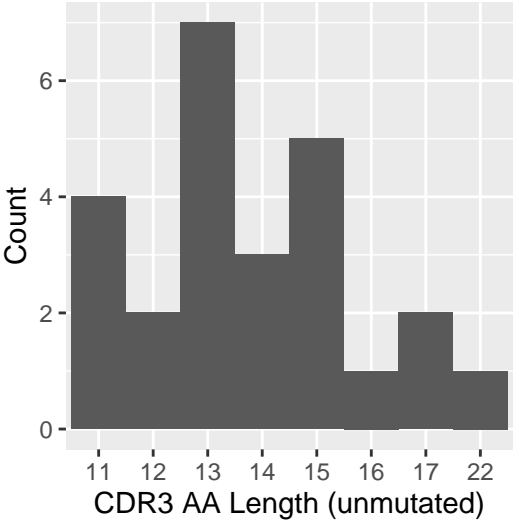
405 sequences assigned
402 (99.3%) exact matches, in which:
396 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



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[illegible]