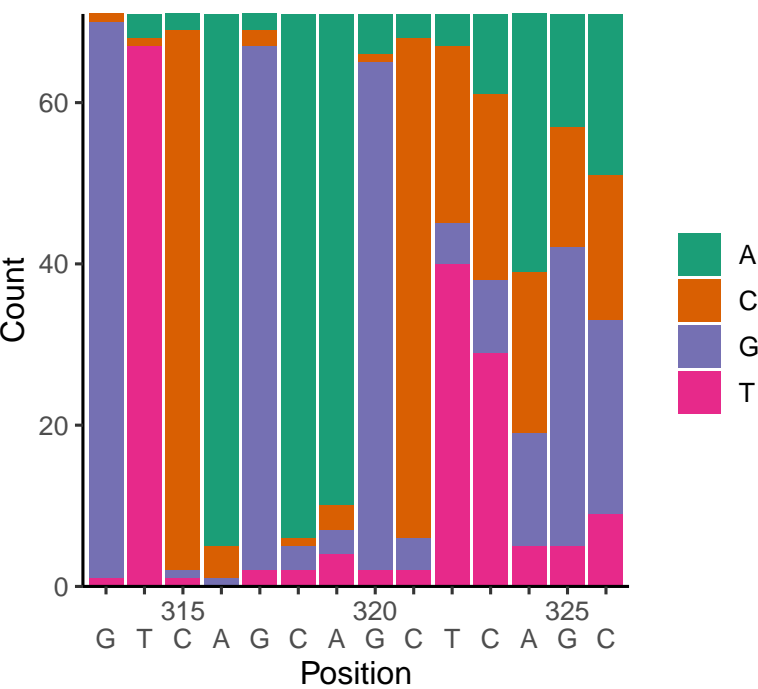
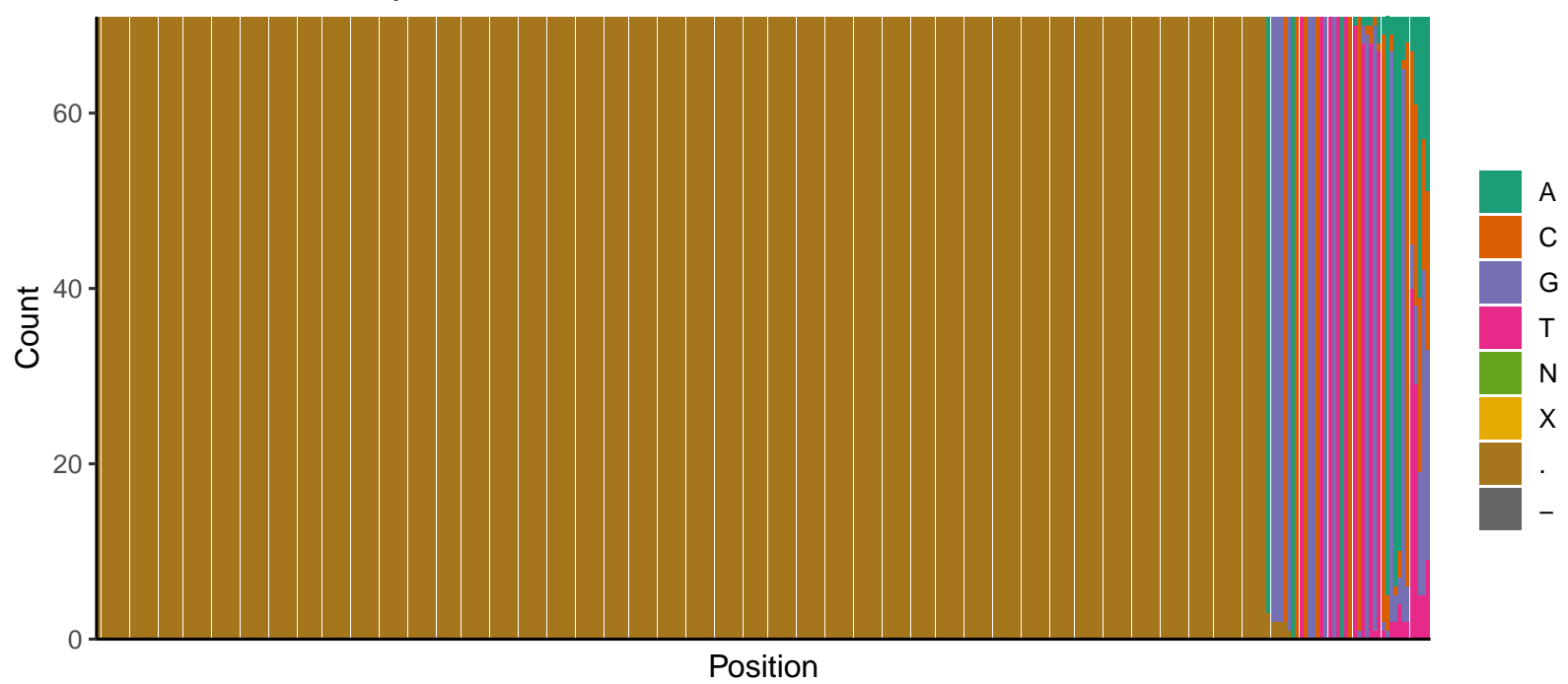


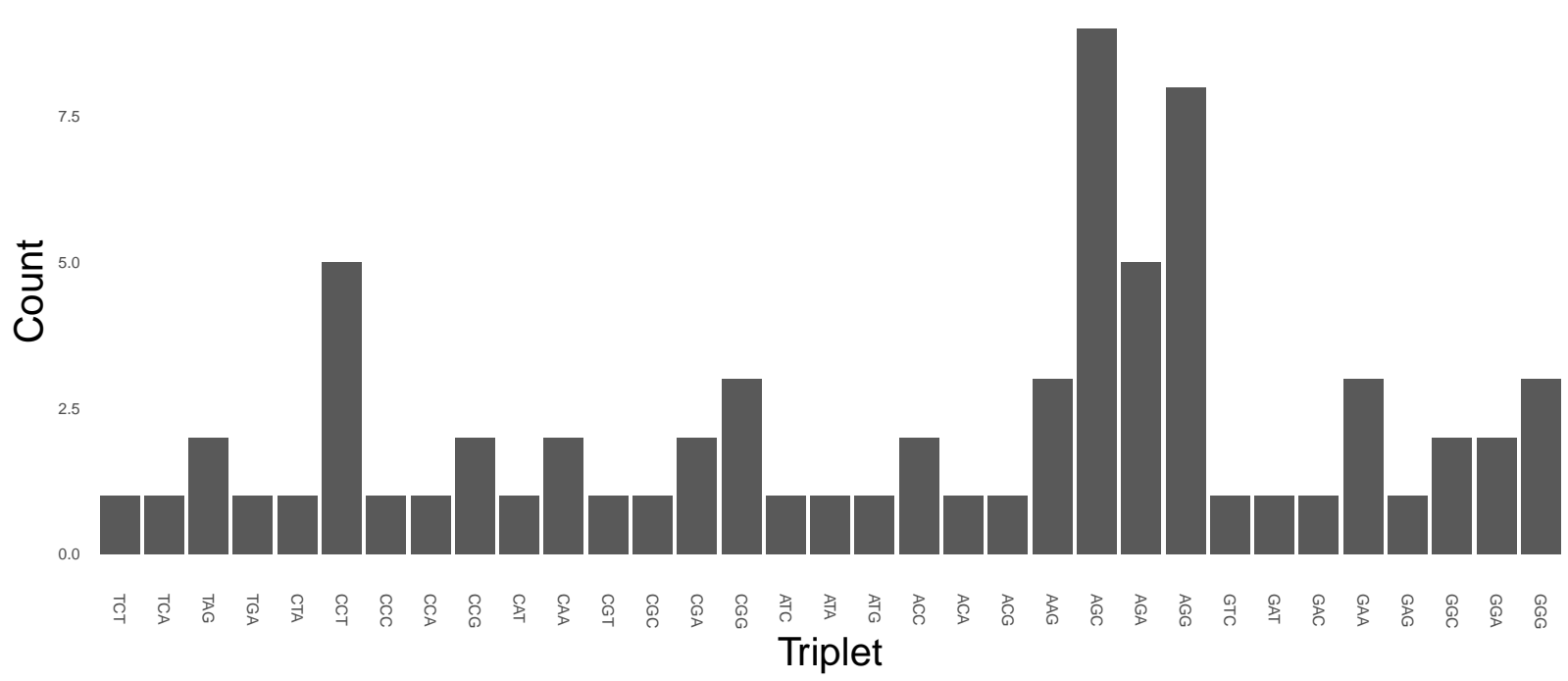
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

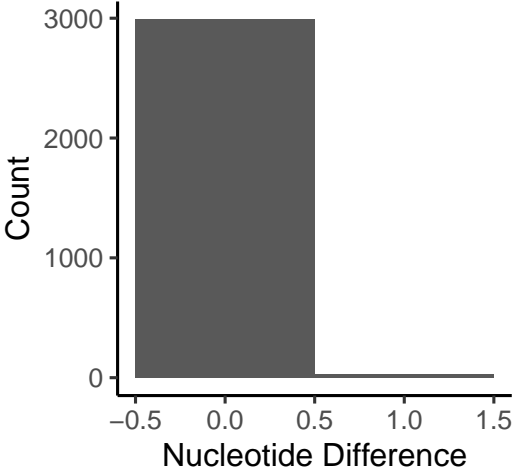


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



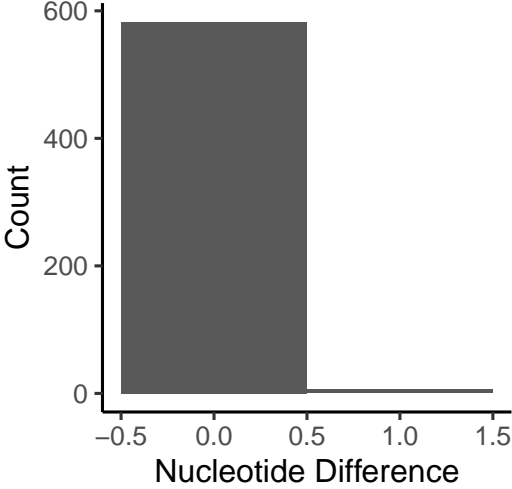
TRBV20–1*ap01

3023 sequences assigned
2990 (98.9%) exact matches, in which:
2958 unique CDR3
13 unique J



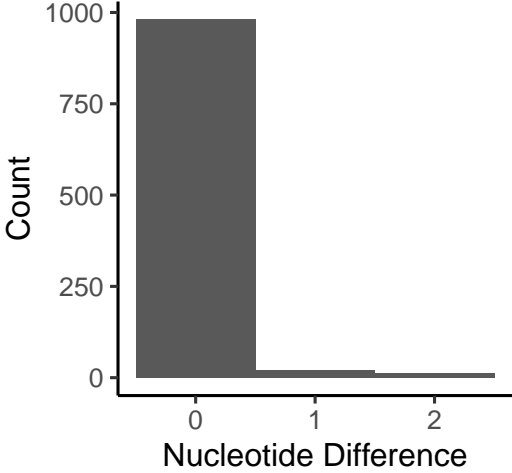
TRBV10–2*ap01

589 sequences assigned
583 (99%) exact matches, in which:
575 unique CDR3
13 unique J



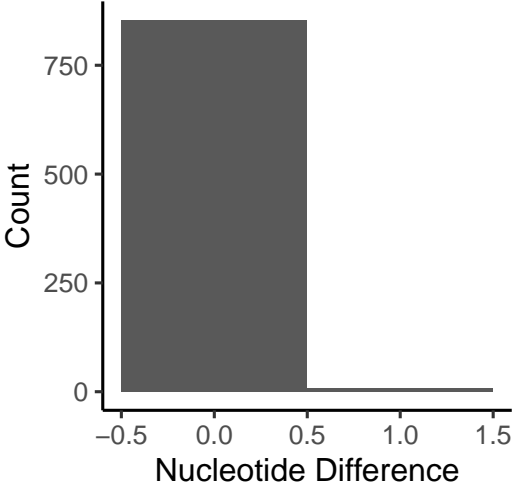
TRBV13*ap01

1014 sequences assigned
981 (96.7%) exact matches, in which:
962 unique CDR3
13 unique J



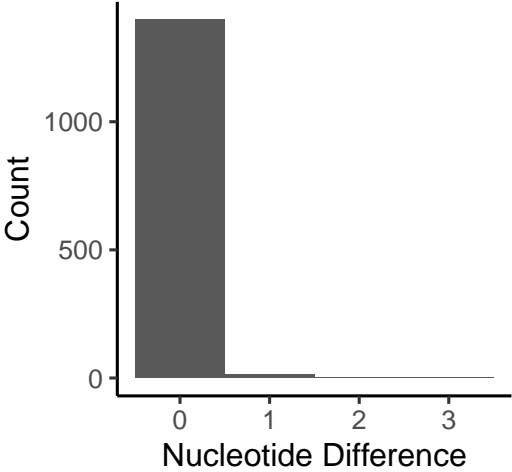
TRBV10–1*ap01

863 sequences assigned
854 (99%) exact matches, in which:
850 unique CDR3
13 unique J



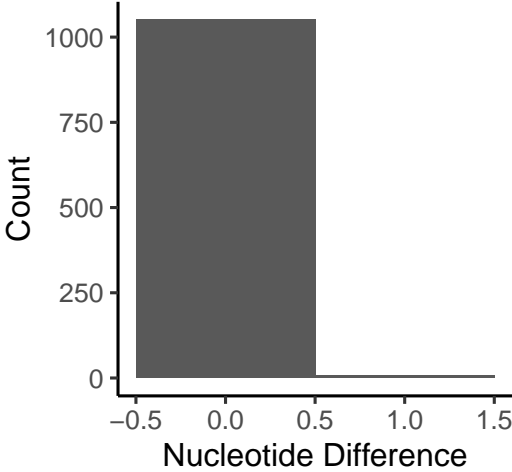
TRBV10–3*ap01

1413 sequences assigned
1398 (98.9%) exact matches, in which:
1382 unique CDR3
13 unique J



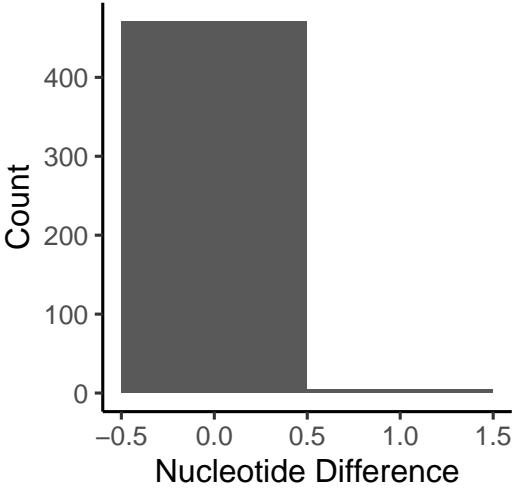
TRBV14*ap01

1058 sequences assigned
1051 (99.3%) exact matches, in which:
1041 unique CDR3
13 unique J



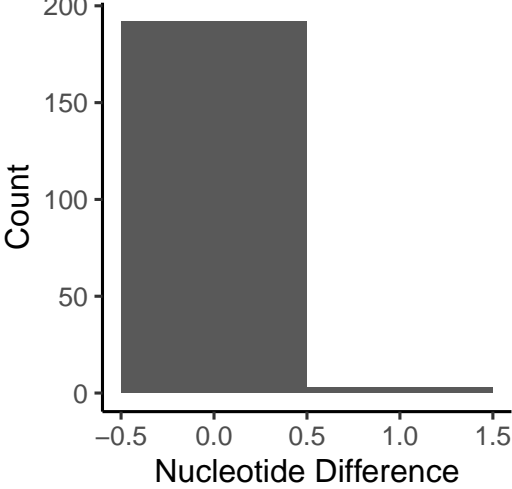
TRBV20–1*ap02

476 sequences assigned
471 (98.9%) exact matches, in which:
464 unique CDR3
13 unique J



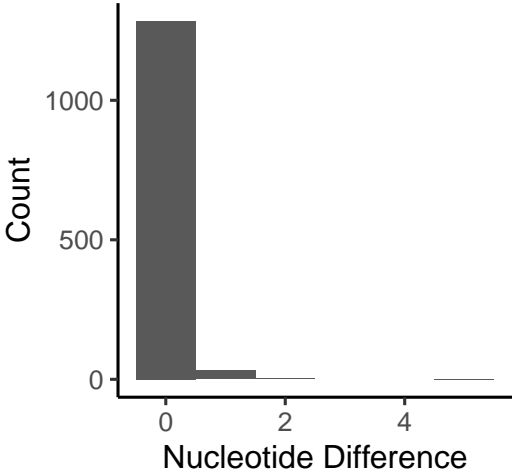
TRBV1*ap01

195 sequences assigned
192 (98.5%) exact matches, in which:
187 unique CDR3
13 unique J



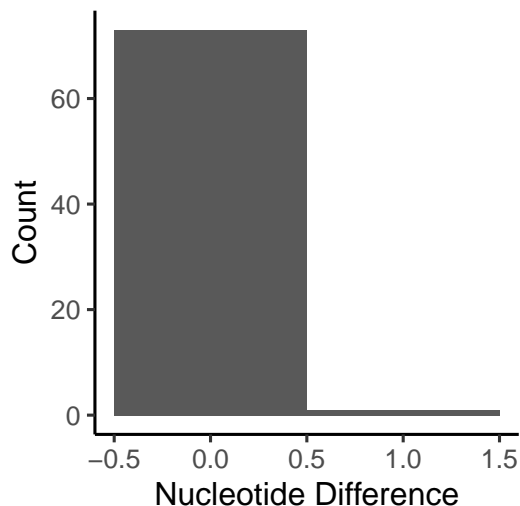
TRBV15*ap02

1319 sequences assigned
1284 (97.3%) exact matches, in which:
1263 unique CDR3
13 unique J



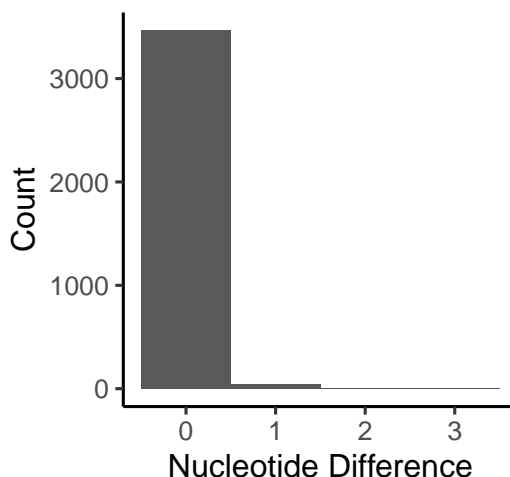
TRBV16*ap01

74 sequences assigned
73 (98.6%) exact matches, in which:
73 unique CDR3
12 unique J



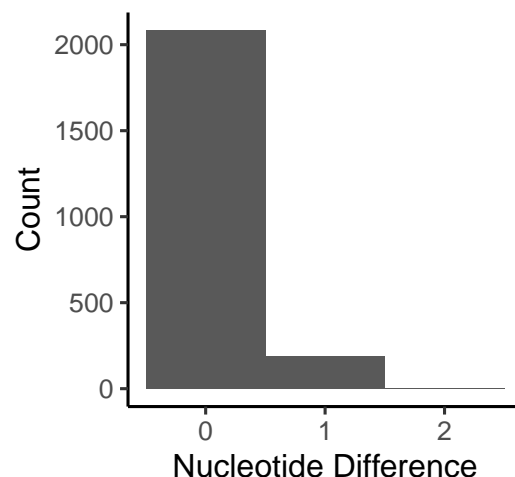
TRBV2*ap01

3512 sequences assigned
3466 (98.7%) exact matches, in which:
3424 unique CDR3
13 unique J



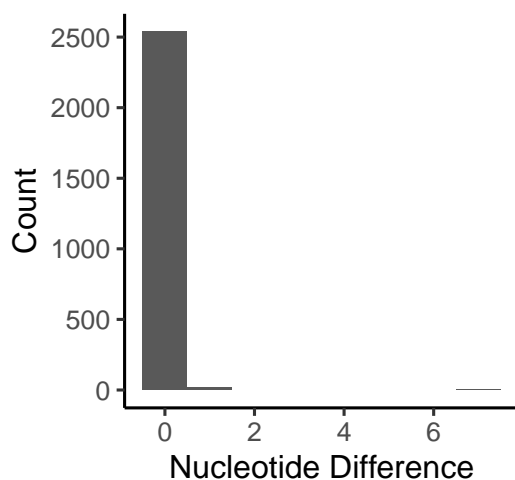
TRBV30*ap01

2273 sequences assigned
2083 (91.6%) exact matches, in which:
2055 unique CDR3
13 unique J



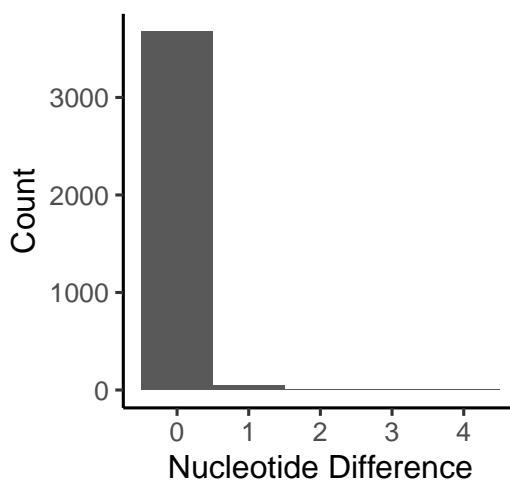
TRBV18*ap01

2558 sequences assigned
2538 (99.2%) exact matches, in which:
2518 unique CDR3
13 unique J



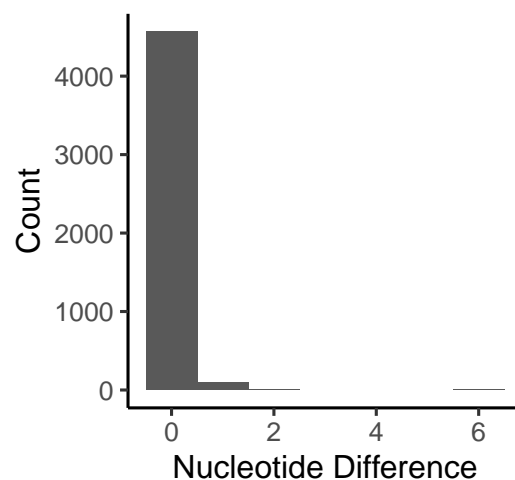
TRBV27*ap01

3722 sequences assigned
3674 (98.7%) exact matches, in which:
3628 unique CDR3
13 unique J



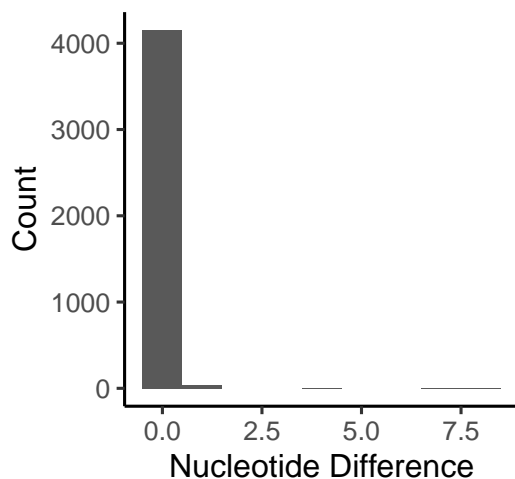
TRBV9*ap01

4670 sequences assigned
4566 (97.8%) exact matches, in which:
4517 unique CDR3
13 unique J



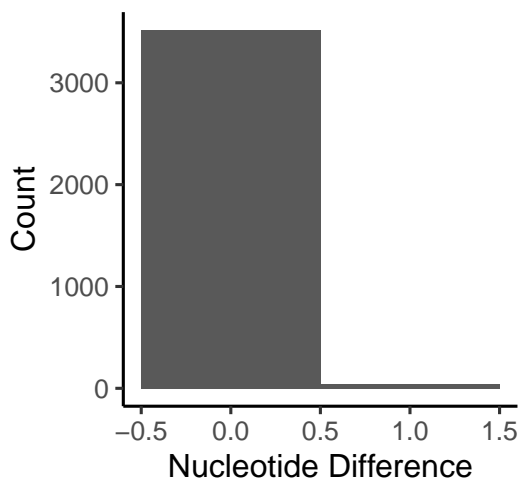
TRBV19*ap01

4196 sequences assigned
4153 (99%) exact matches, in which:
4135 unique CDR3
13 unique J



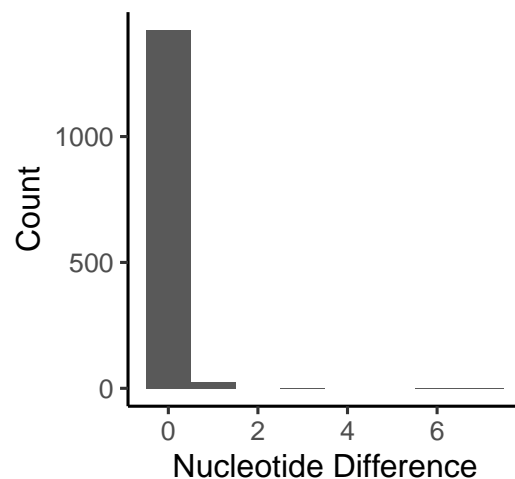
TRBV28*ap01

3560 sequences assigned
3518 (98.8%) exact matches, in which:
3476 unique CDR3
13 unique J



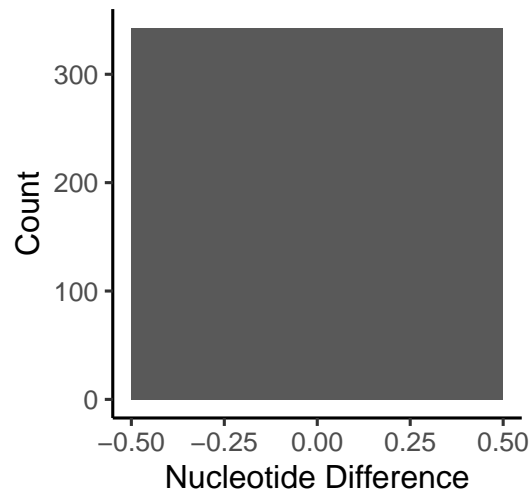
TRBV21-1*ap01

1451 sequences assigned
1423 (98.1%) exact matches, in which:
1415 unique CDR3
13 unique J



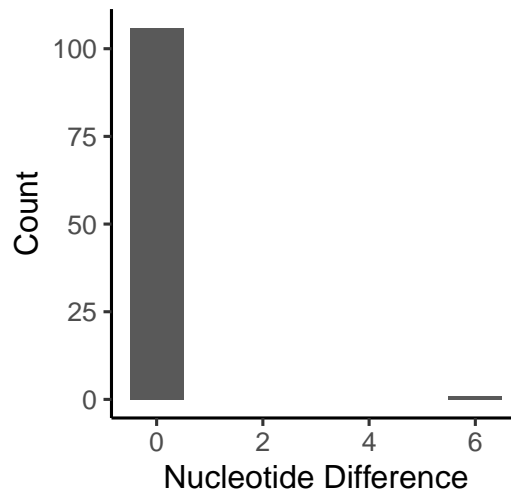
TRBV11-1*ap01

343 sequences assigned
343 (100%) exact matches, in which:
341 unique CDR3
13 unique J



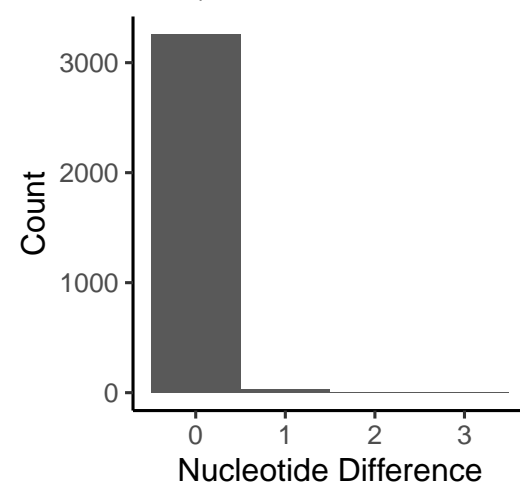
TRBV12-1*ap01

107 sequences assigned
106 (99.1%) exact matches, in which:
105 unique CDR3
13 unique J



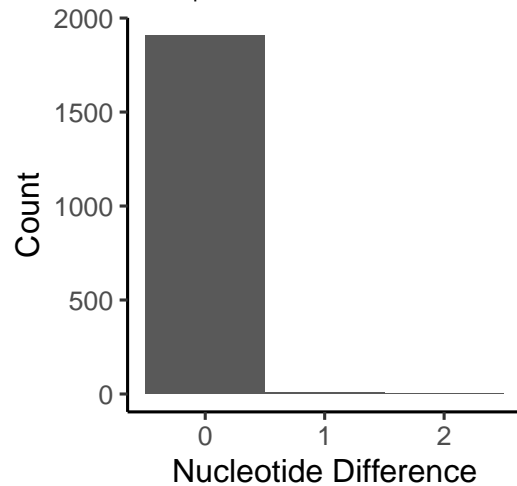
TRBV12-34*ap01

3293 sequences assigned
3257 (98.9%) exact matches, in which:
3211 unique CDR3
13 unique J



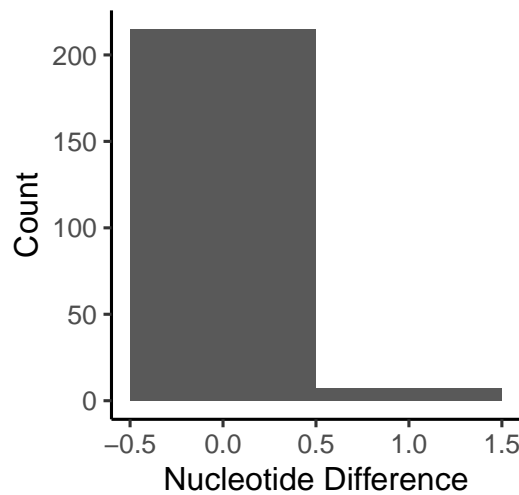
TRBV11-2*ap01

1913 sequences assigned
1906 (99.6%) exact matches, in which:
1894 unique CDR3
13 unique J



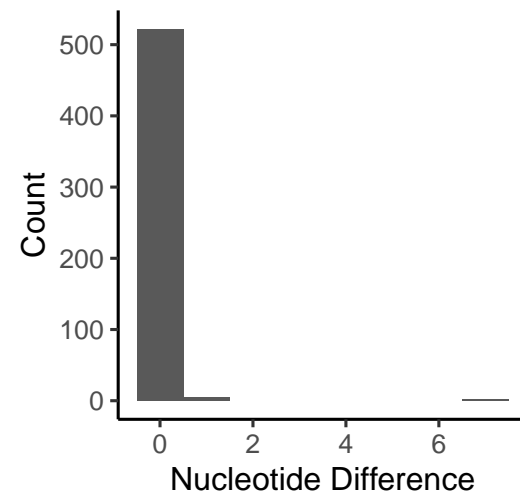
TRBV12-2*ap01

222 sequences assigned
215 (96.8%) exact matches, in which:
214 unique CDR3
13 unique J



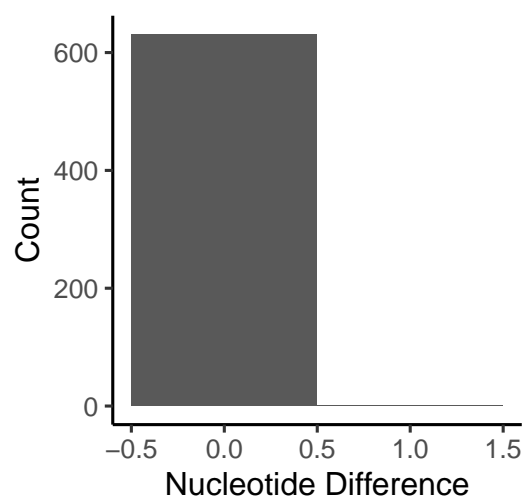
TRBV23-1*ap01

529 sequences assigned
522 (98.7%) exact matches, in which:
516 unique CDR3
13 unique J



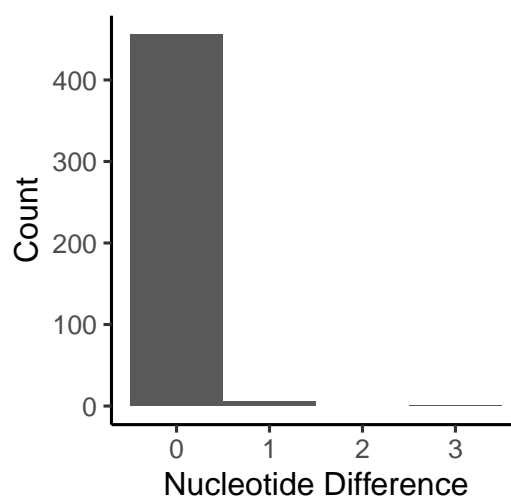
TRBV11-3*ap01

632 sequences assigned
631 (99.8%) exact matches, in which:
629 unique CDR3
13 unique J



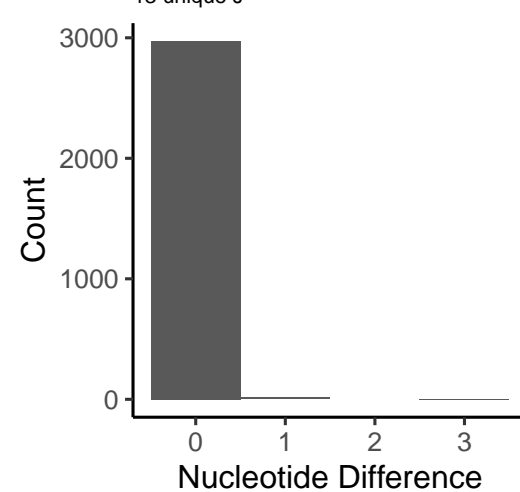
TRBV12-5*ap01

462 sequences assigned
456 (98.7%) exact matches, in which:
452 unique CDR3
13 unique J



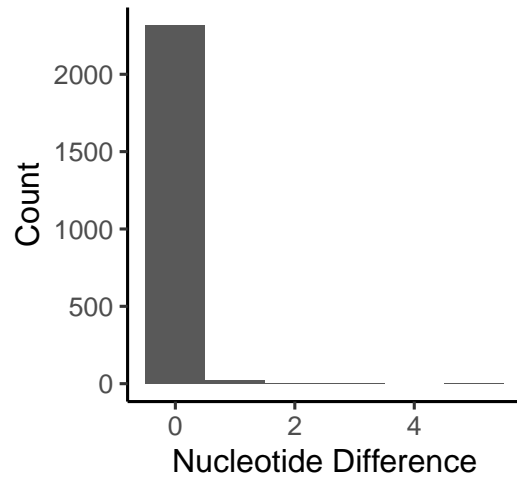
TRBV3-12*ap01

2990 sequences assigned
2973 (99.4%) exact matches, in which:
2951 unique CDR3
13 unique J



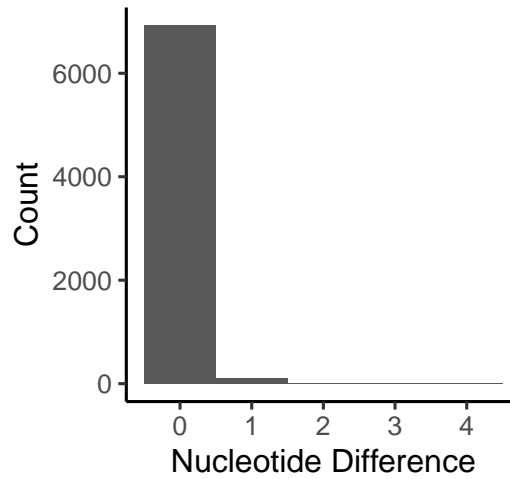
TRBV4-1*ap01

2346 sequences assigned
2316 (98.7%) exact matches, in which:
2282 unique CDR3
13 unique J



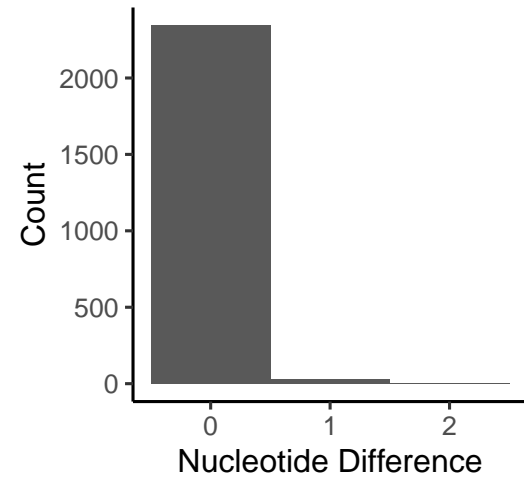
TRBV5-1*ap01

7045 sequences assigned
6925 (98.3%) exact matches, in which:
6809 unique CDR3
13 unique J



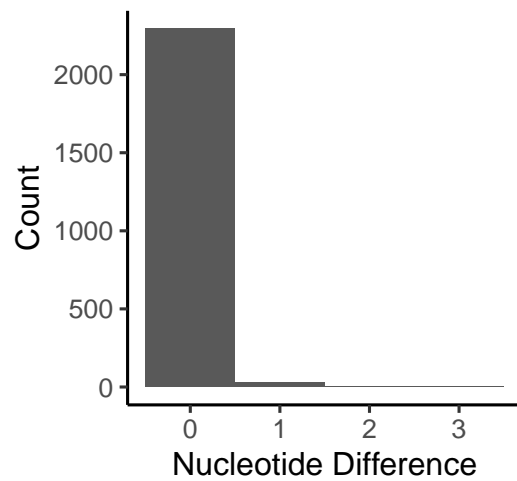
TRBV5-4*ap01

2372 sequences assigned
2344 (98.8%) exact matches, in which:
2308 unique CDR3
13 unique J



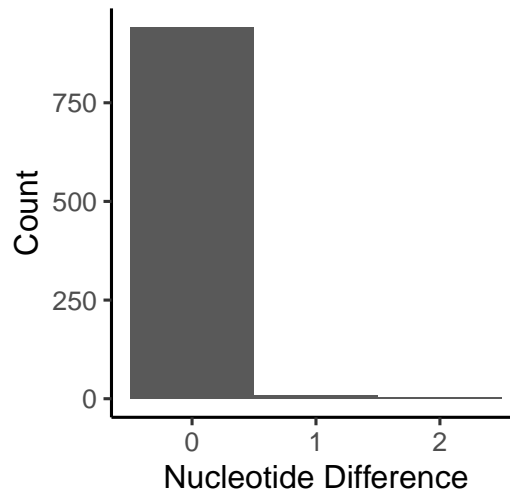
TRBV24-1*ap01

2323 sequences assigned
2294 (98.8%) exact matches, in which:
2257 unique CDR3
13 unique J



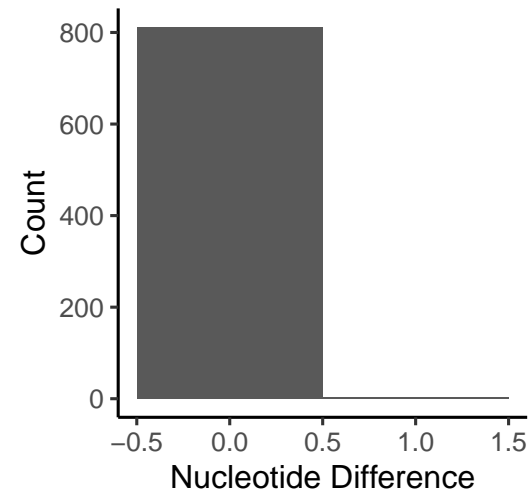
TRBV25-1*ap01

954 sequences assigned
942 (98.7%) exact matches, in which:
930 unique CDR3
13 unique J



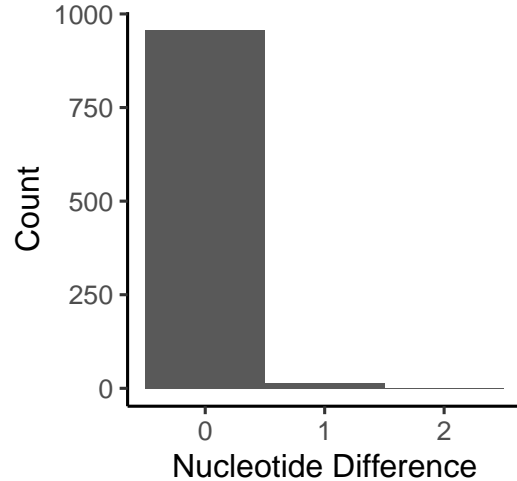
TRBV5-5*ap01

816 sequences assigned
812 (99.5%) exact matches, in which:
800 unique CDR3
13 unique J



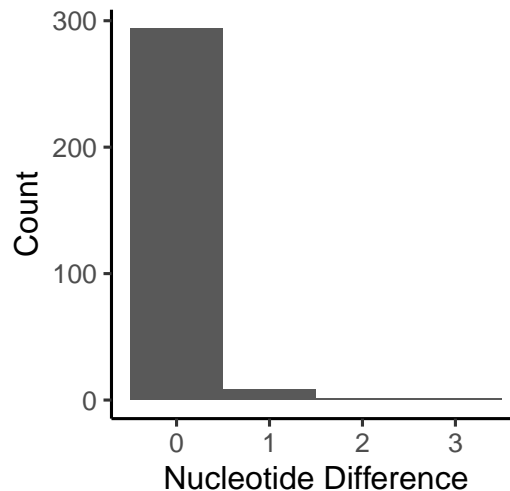
TRBV4-2*ap01

973 sequences assigned
957 (98.4%) exact matches, in which:
940 unique CDR3
13 unique J



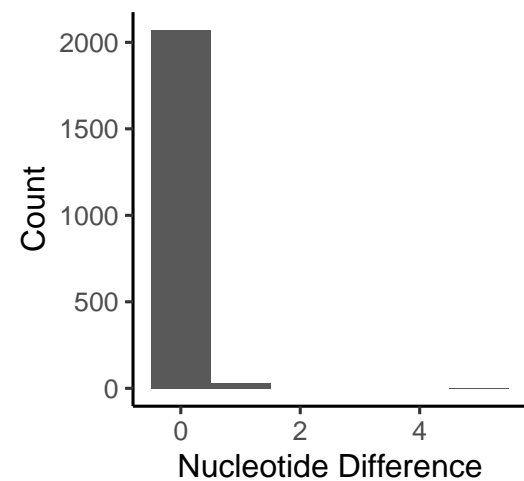
TRBV5-3*ap01

304 sequences assigned
294 (96.7%) exact matches, in which:
292 unique CDR3
13 unique J



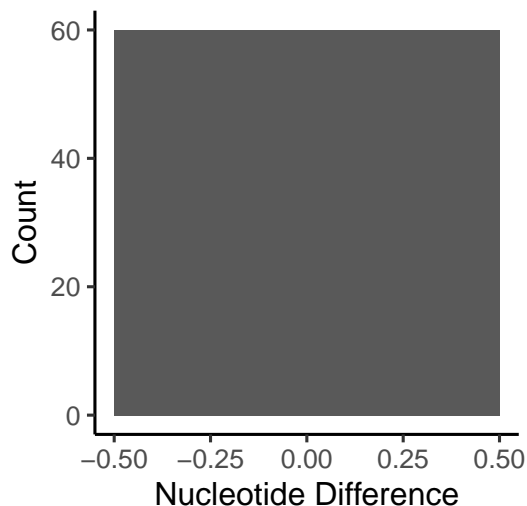
TRBV5-6*ap01

2103 sequences assigned
2071 (98.5%) exact matches, in which:
2032 unique CDR3
13 unique J



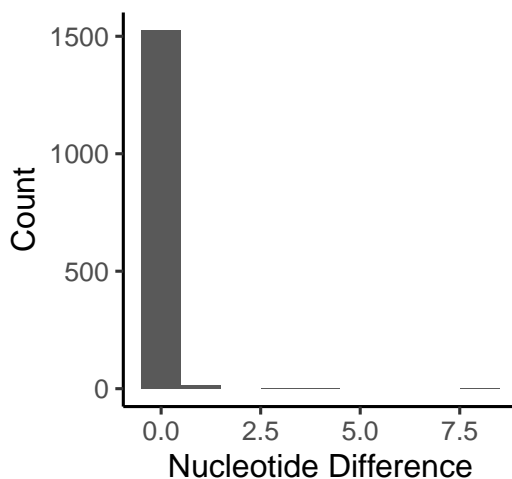
TRBV5-7*ap01

60 sequences assigned
60 (100%) exact matches, in which:
60 unique CDR3
11 unique J



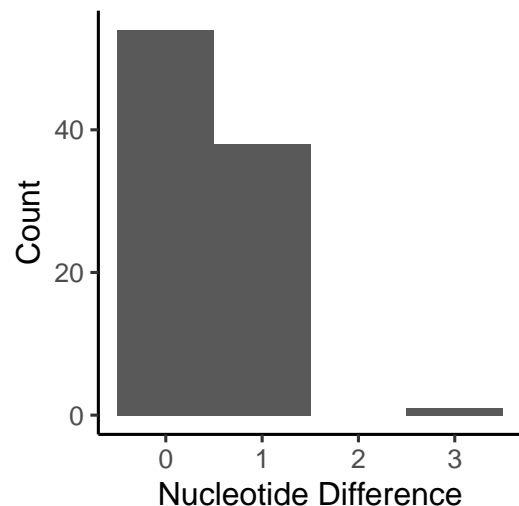
TRBV6-4*ap01

1545 sequences assigned
1525 (98.7%) exact matches, in which:
1516 unique CDR3
13 unique J



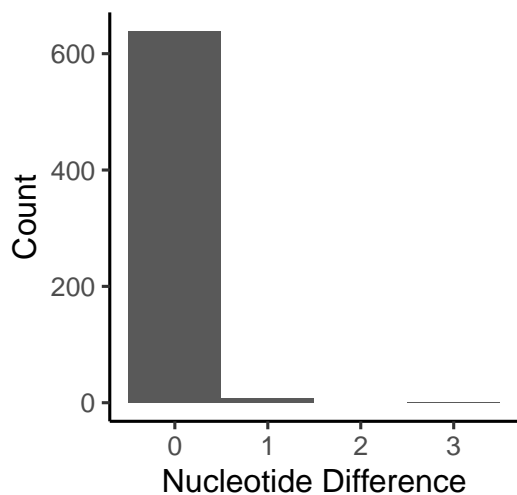
TRBV6-9*ap01

93 sequences assigned
54 (58.1%) exact matches, in which:
54 unique CDR3
12 unique J



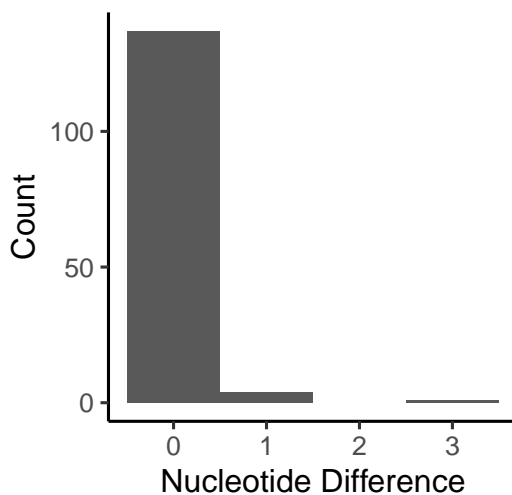
TRBV5-8*ap01

647 sequences assigned
639 (98.8%) exact matches, in which:
634 unique CDR3
13 unique J



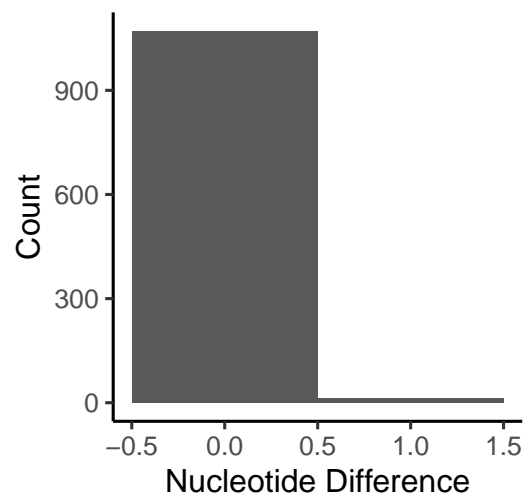
TRBV6-7*ap01

142 sequences assigned
137 (96.5%) exact matches, in which:
135 unique CDR3
13 unique J



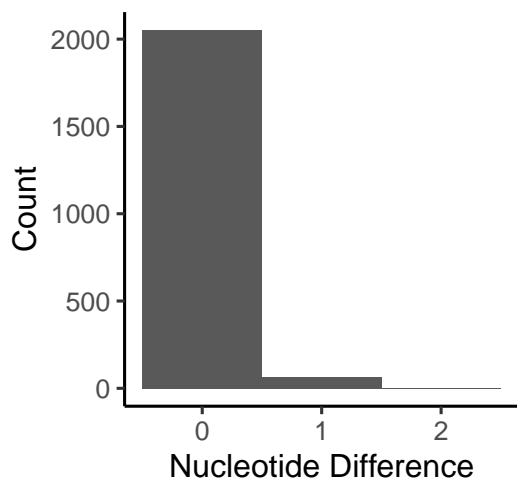
TRBV6-23*ap01

1083 sequences assigned
1071 (98.9%) exact matches, in which:
1056 unique CDR3
13 unique J



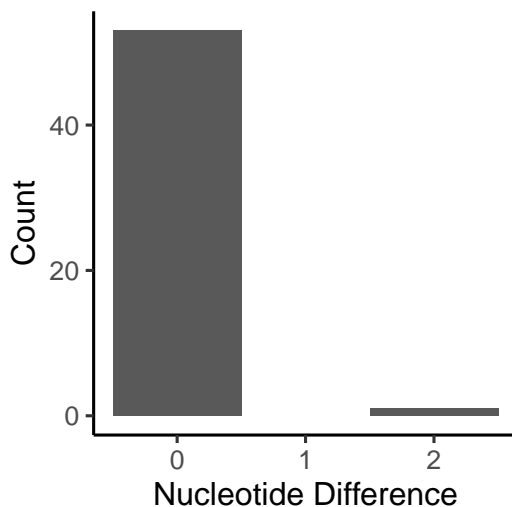
TRBV6-1*ap01

2118 sequences assigned
2052 (96.9%) exact matches, in which:
2027 unique CDR3
13 unique J



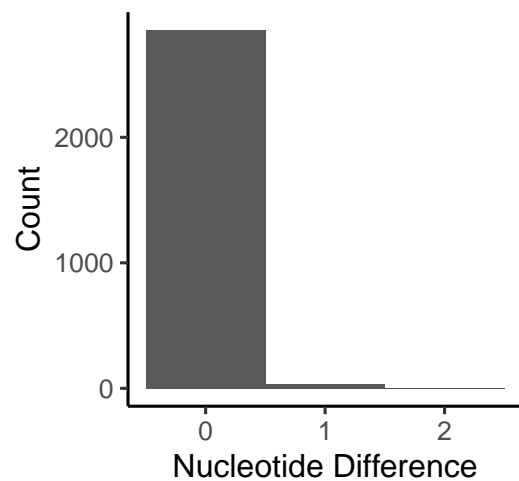
TRBV6-8*ap01

54 sequences assigned
53 (98.1%) exact matches, in which:
53 unique CDR3
12 unique J



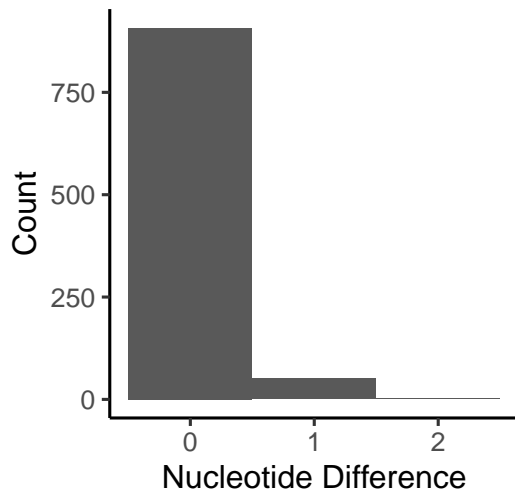
TRBV6-56*ap01

2892 sequences assigned
2855 (98.7%) exact matches, in which:
2808 unique CDR3
13 unique J



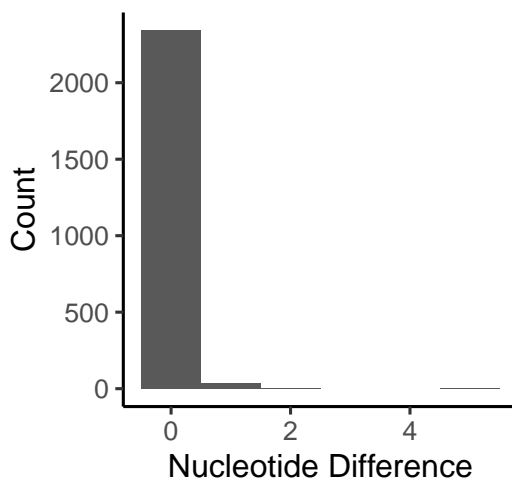
TRBV6–56*ap02

961 sequences assigned
908 (94.5%) exact matches, in which:
891 unique CDR3
13 unique J



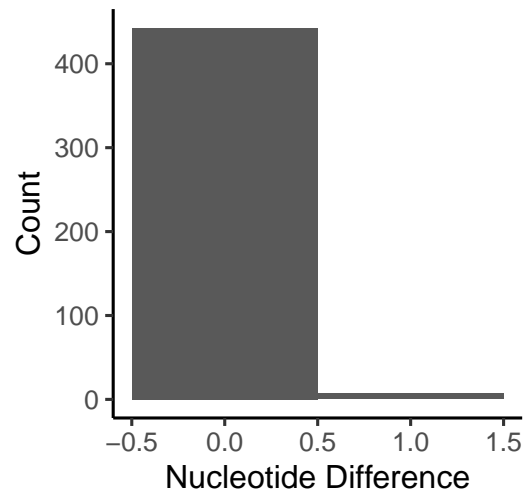
TRBV7–3*ap01

2380 sequences assigned
2342 (98.4%) exact matches, in which:
2323 unique CDR3
13 unique J



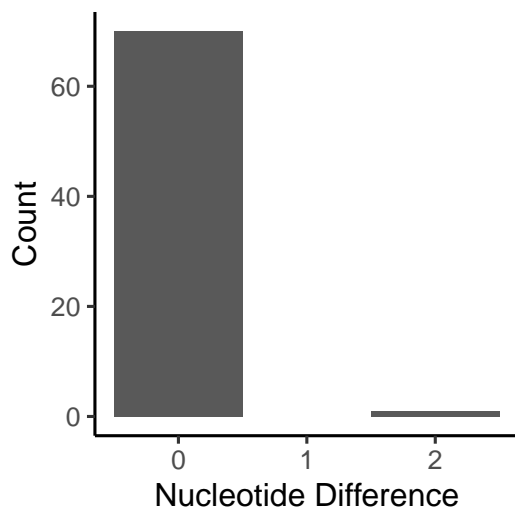
TRBV7–7*ap01

450 sequences assigned
443 (98.4%) exact matches, in which:
434 unique CDR3
13 unique J



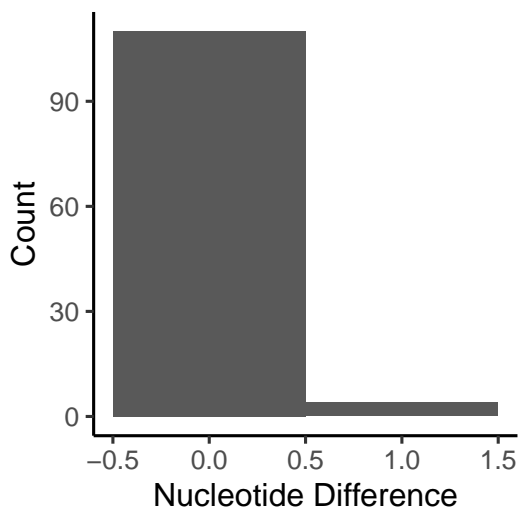
TRBV7–1*ap01_G291C_T

71 sequences assigned
70 (98.6%) exact matches, in which:
70 unique CDR3
13 unique J



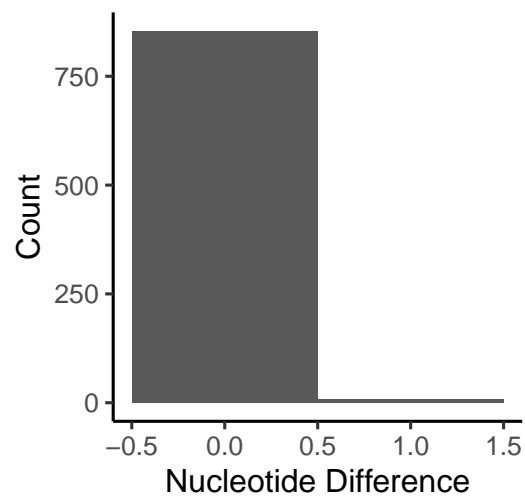
TRBV7–4*ap01

114 sequences assigned
110 (96.5%) exact matches, in which:
108 unique CDR3
13 unique J



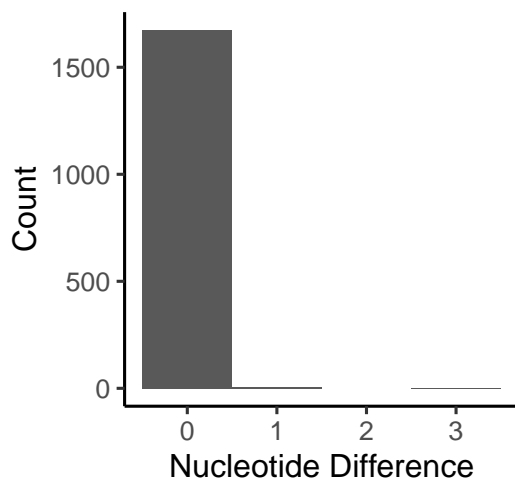
TRBV7–8*ap01

861 sequences assigned
854 (99.2%) exact matches, in which:
842 unique CDR3
13 unique J



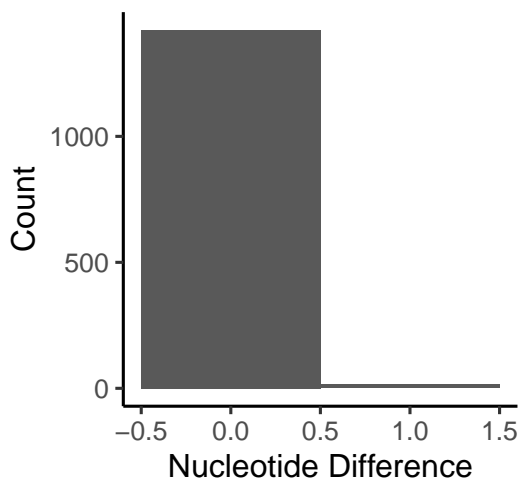
TRBV7–2*ap01

1682 sequences assigned
1674 (99.5%) exact matches, in which:
1661 unique CDR3
13 unique J



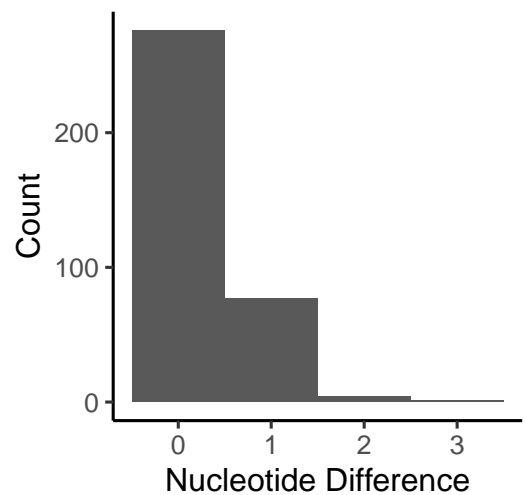
TRBV7–6*ap01

1437 sequences assigned
1422 (99%) exact matches, in which:
1401 unique CDR3
13 unique J



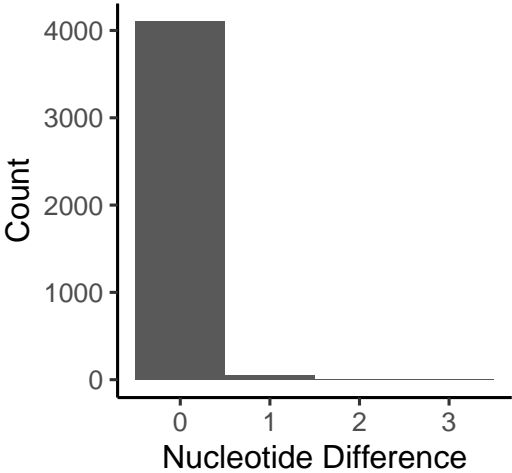
TRBV7–8*ap03

358 sequences assigned
276 (77.1%) exact matches, in which:
275 unique CDR3
13 unique J



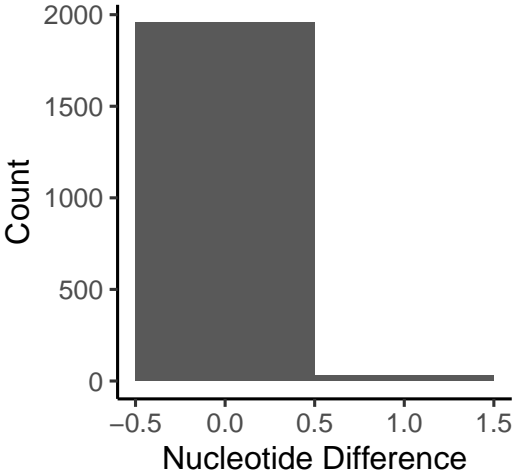
TRBV7-9*ap01

4160 sequences assigned
4104 (98.7%) exact matches, in which:
4042 unique CDR3
13 unique J



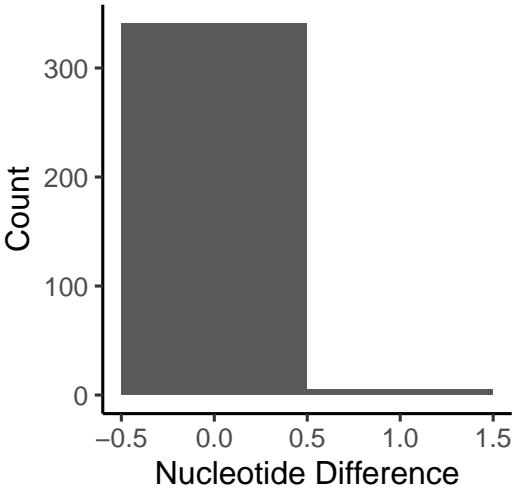
TRBV29-1*ap01

1984 sequences assigned
1956 (98.6%) exact matches, in which:
1927 unique CDR3
13 unique J



TRBV29-1*ap02

346 sequences assigned
341 (98.6%) exact matches, in which:
336 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

