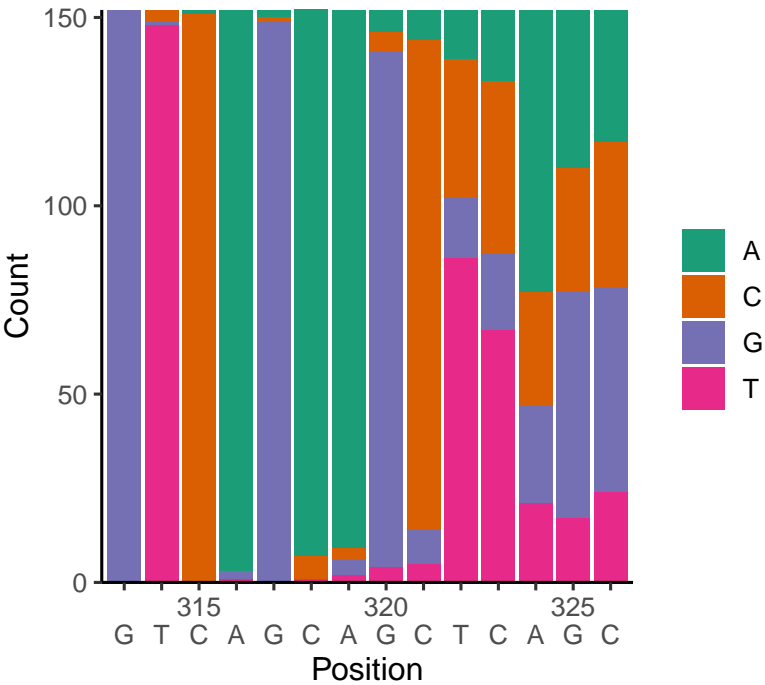
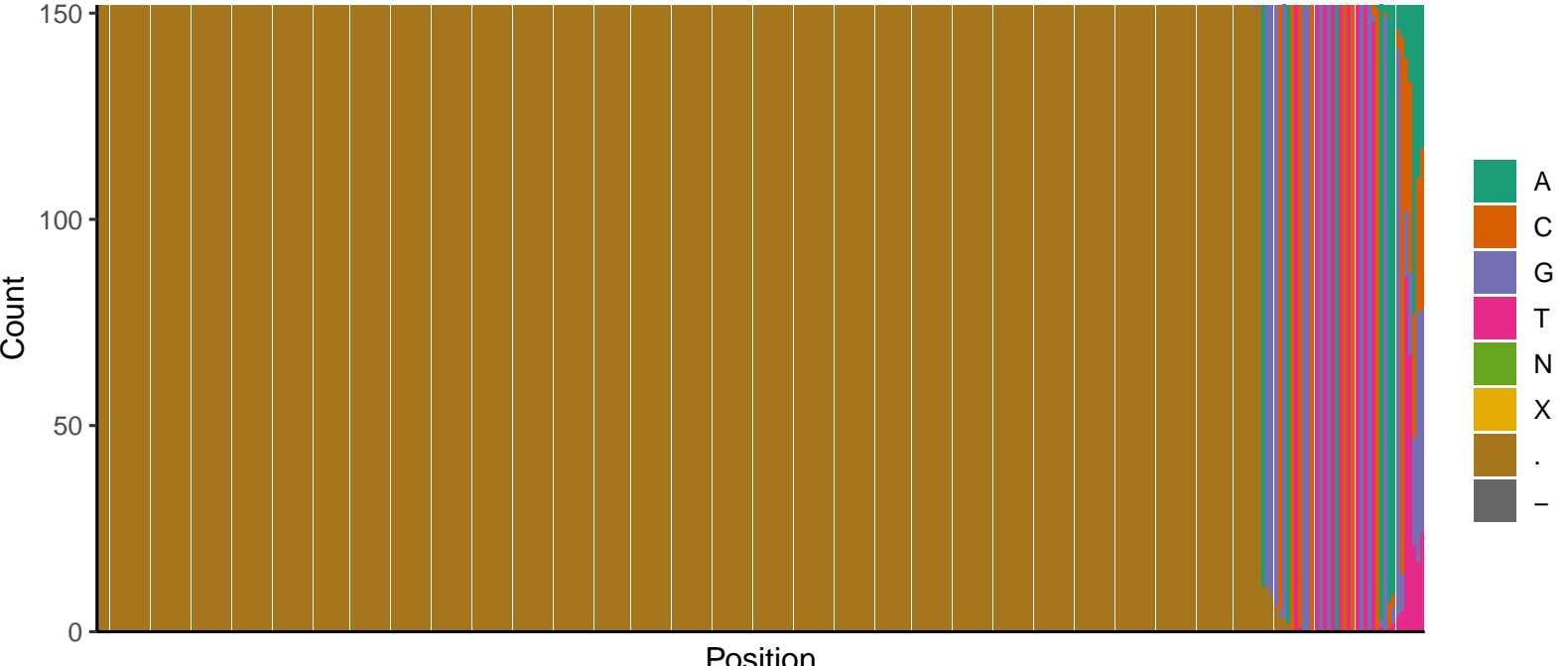


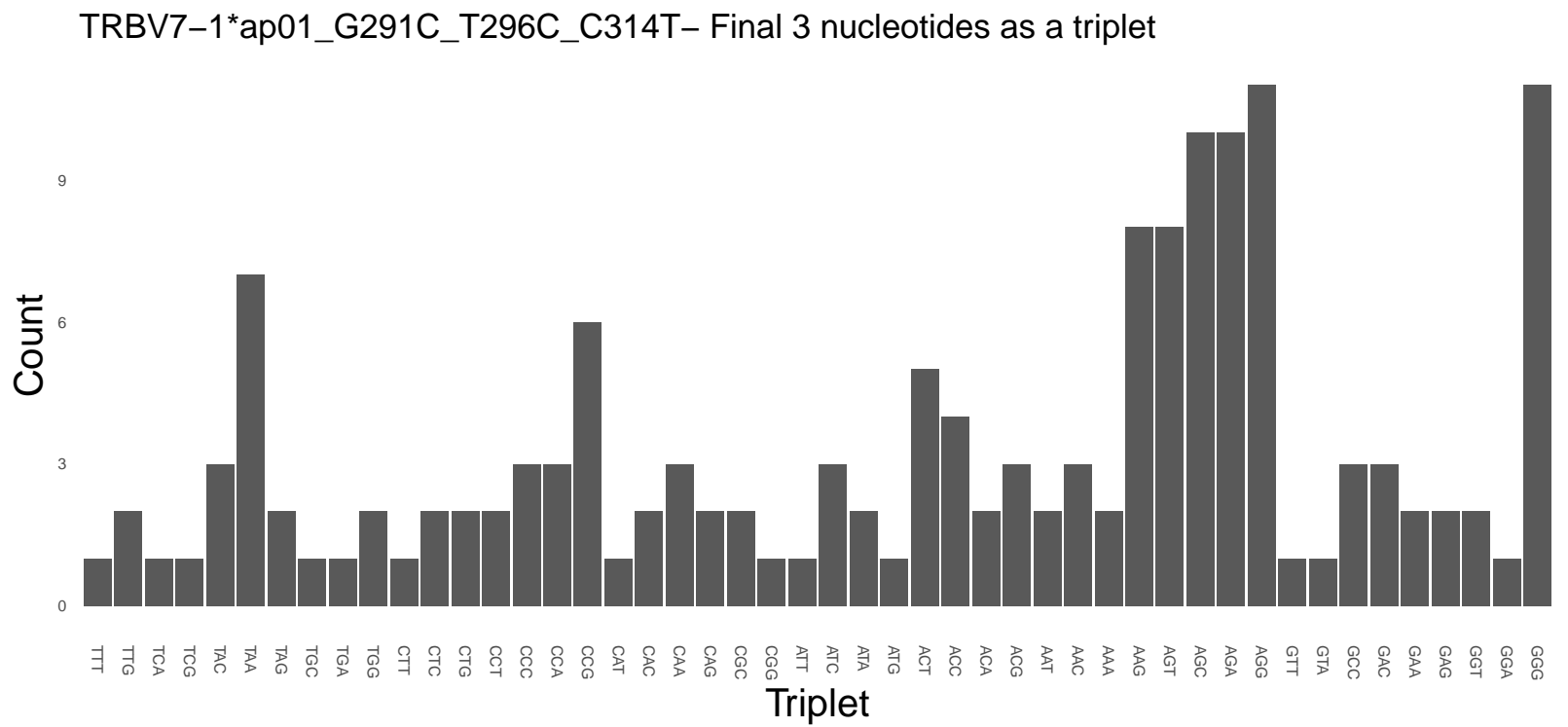
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

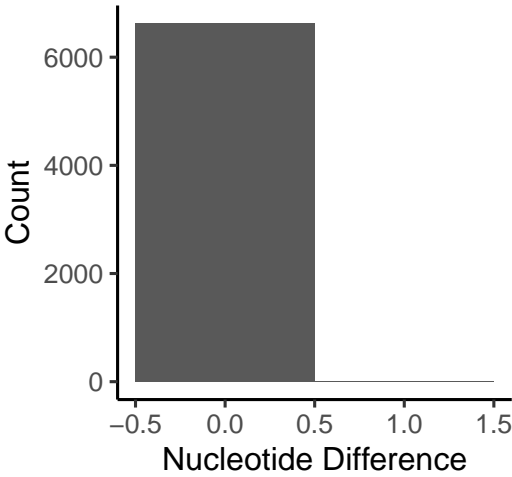


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



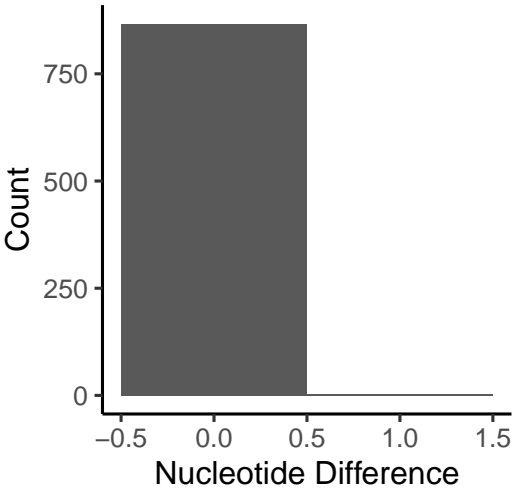
TRBV20-1*ap01

6640 sequences assigned
6625 (99.8%) exact matches, in which:
6620 unique CDR3
13 unique J



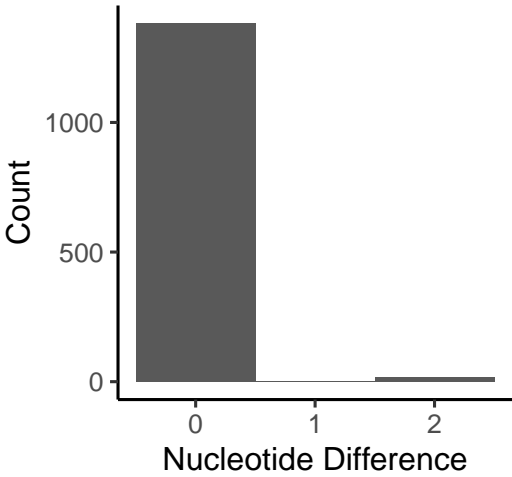
TRBV10-2*ap01

870 sequences assigned
867 (99.7%) exact matches, in which:
867 unique CDR3
13 unique J



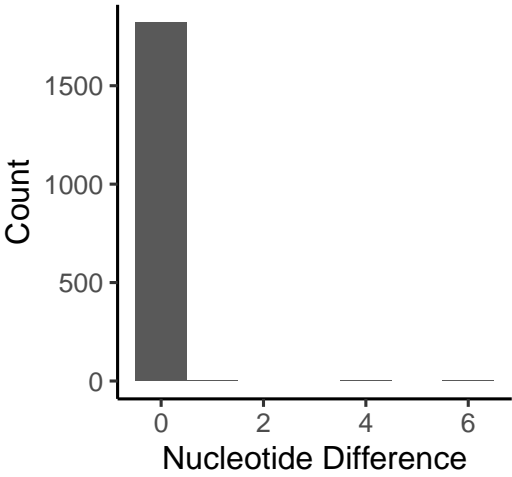
TRBV13*ap01

1404 sequences assigned
1382 (98.4%) exact matches, in which:
1377 unique CDR3
13 unique J



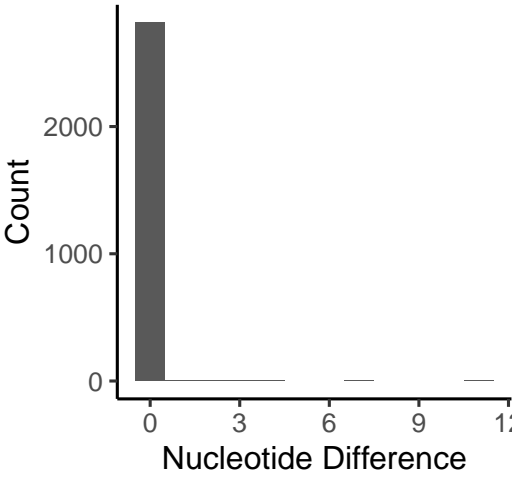
TRBV10-1*ap01

1824 sequences assigned
1820 (99.8%) exact matches, in which:
1820 unique CDR3
13 unique J



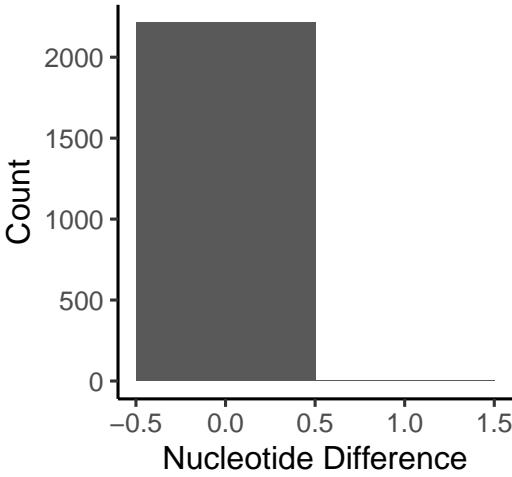
TRBV10-3*ap01

2827 sequences assigned
2816 (99.6%) exact matches, in which:
2816 unique CDR3
13 unique J



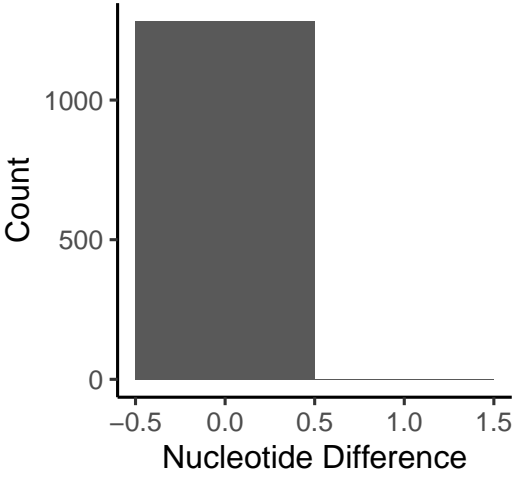
TRBV14*ap01

2216 sequences assigned
2213 (99.9%) exact matches, in which:
2212 unique CDR3
13 unique J



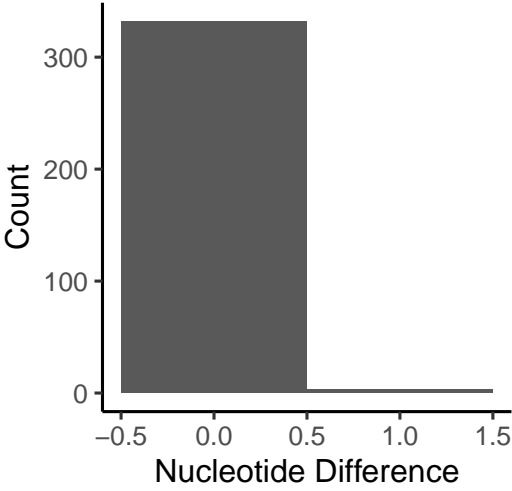
TRBV20-1*ap02

1285 sequences assigned
1283 (99.8%) exact matches, in which:
1282 unique CDR3
13 unique J



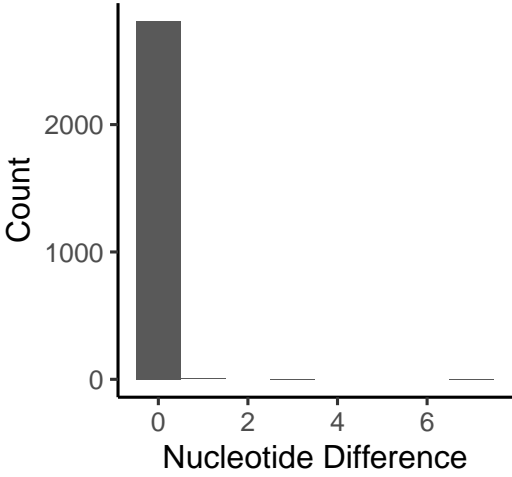
TRBV1*ap01

335 sequences assigned
332 (99.1%) exact matches, in which:
332 unique CDR3
13 unique J



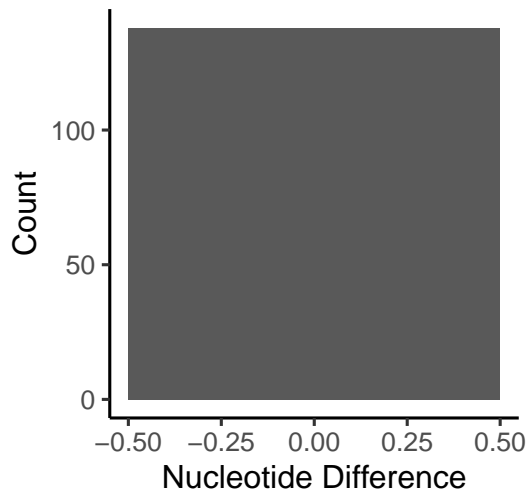
TRBV15*ap02

2822 sequences assigned
2813 (99.7%) exact matches, in which:
2803 unique CDR3
13 unique J



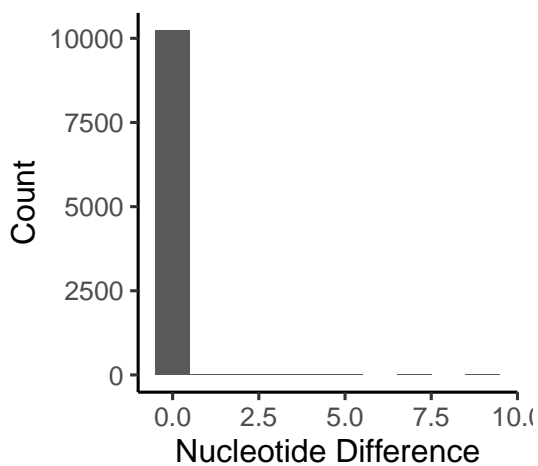
TRBV16*ap01

138 sequences assigned
138 (100%) exact matches, in which:
138 unique CDR3
13 unique J



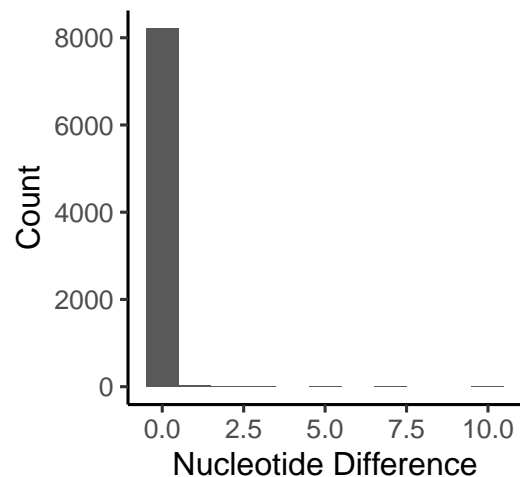
TRBV19*ap01

10268 sequences assigned
10243 (99.8%) exact matches, in which:
10241 unique CDR3
13 unique J



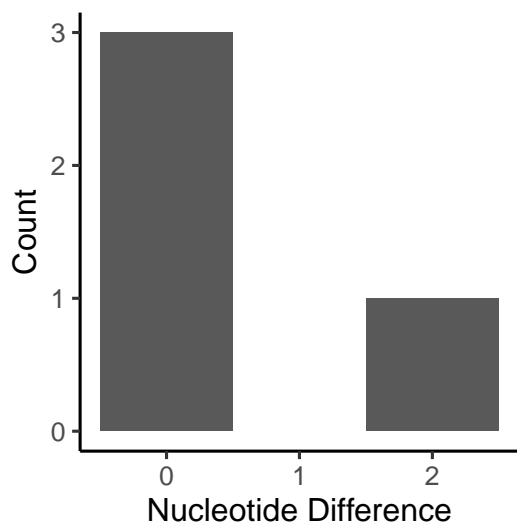
TRBV27*ap01

8252 sequences assigned
8214 (99.5%) exact matches, in which:
8196 unique CDR3
13 unique J



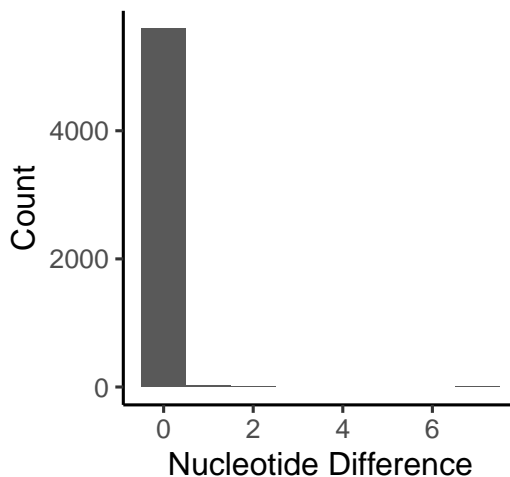
TRBV17*ap01

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
3 unique J



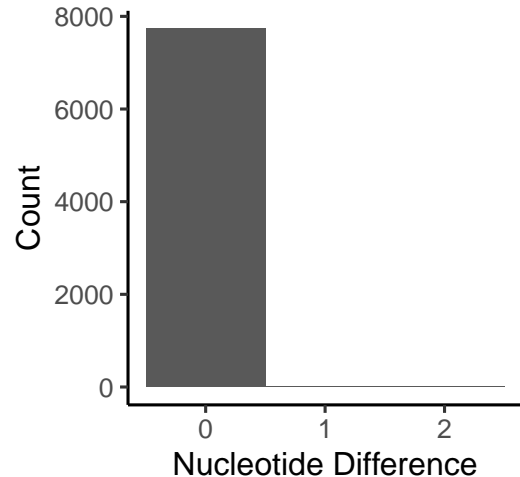
TRBV2*ap01

5623 sequences assigned
5593 (99.5%) exact matches, in which:
5574 unique CDR3
13 unique J



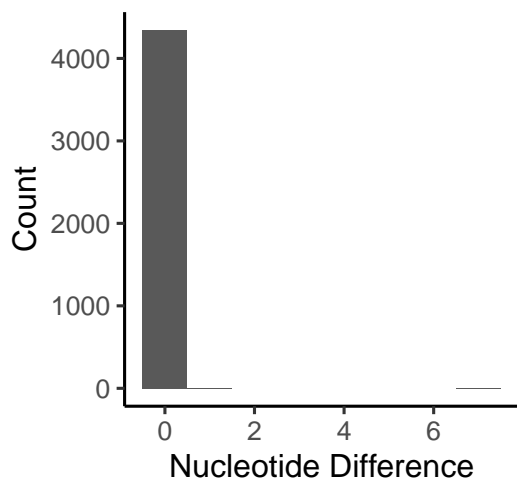
TRBV28*ap01

7748 sequences assigned
7733 (99.8%) exact matches, in which:
7724 unique CDR3
13 unique J



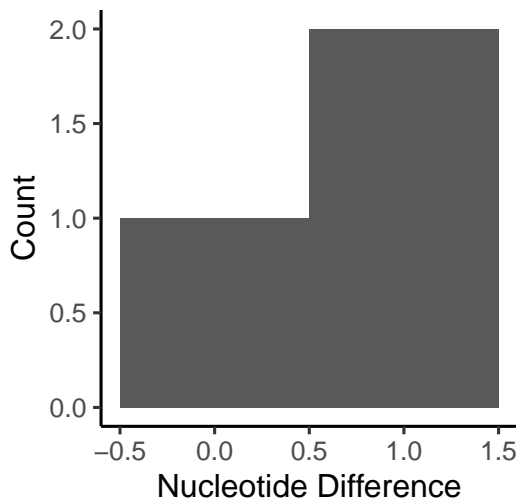
TRBV18*ap01

4348 sequences assigned
4344 (99.9%) exact matches, in which:
4343 unique CDR3
13 unique J



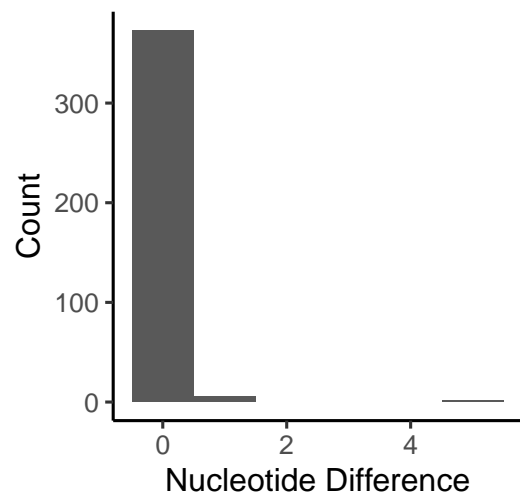
TRBV26*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



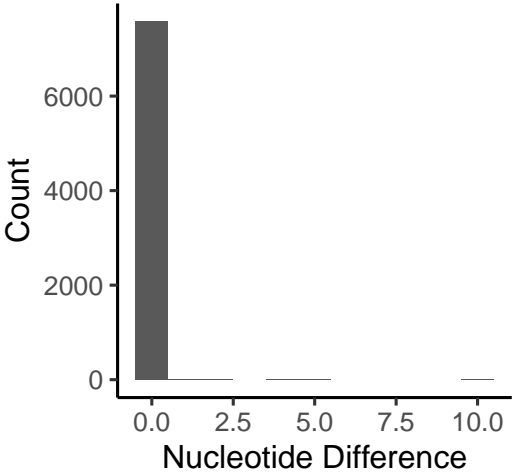
TRBV30*ap02

381 sequences assigned
373 (97.9%) exact matches, in which:
372 unique CDR3
13 unique J



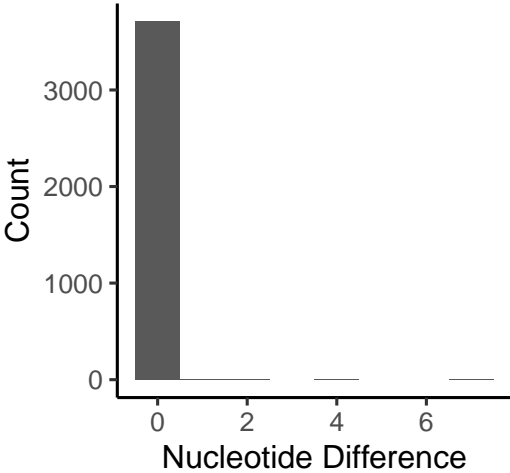
TRBV9*ap01

7598 sequences assigned
7580 (99.8%) exact matches, in which:
7572 unique CDR3
13 unique J



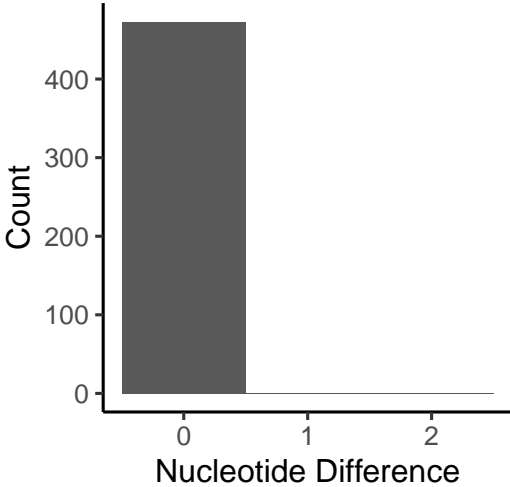
TRBV11-2*ap01

3716 sequences assigned
3710 (99.8%) exact matches, in which:
3710 unique CDR3
13 unique J



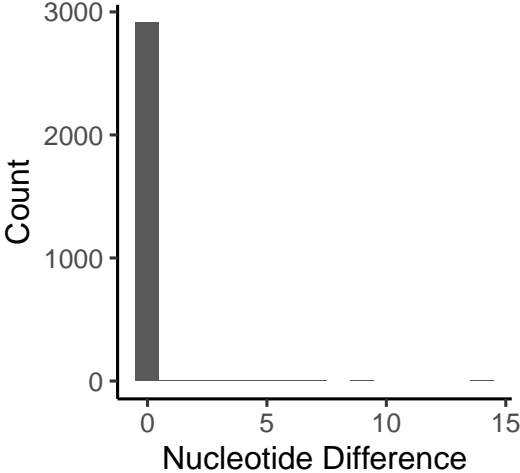
TRBV12-2*ap01

475 sequences assigned
473 (99.6%) exact matches, in which:
473 unique CDR3
13 unique J



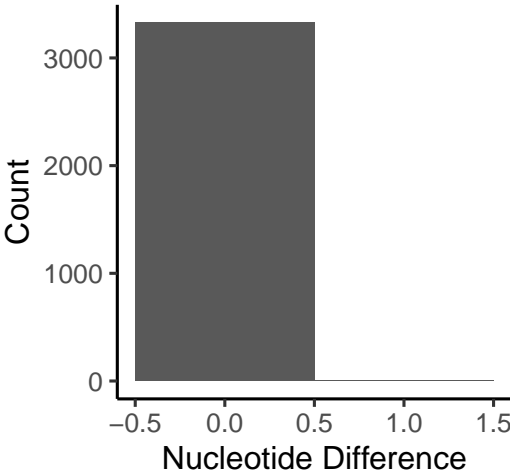
TRBV21-1*ap01

2933 sequences assigned
2912 (99.3%) exact matches, in which:
2911 unique CDR3
13 unique J



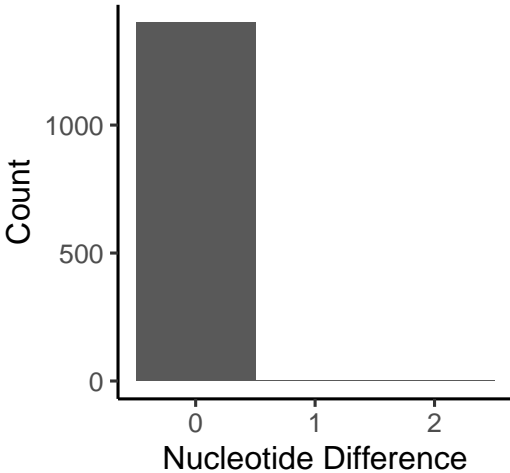
TRBV11-3*ap01

3331 sequences assigned
3327 (99.9%) exact matches, in which:
3327 unique CDR3
13 unique J



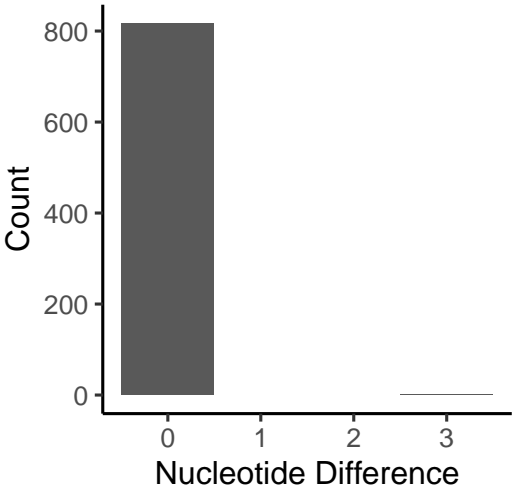
TRBV12-5*ap01

1404 sequences assigned
1400 (99.7%) exact matches, in which:
1399 unique CDR3
13 unique J



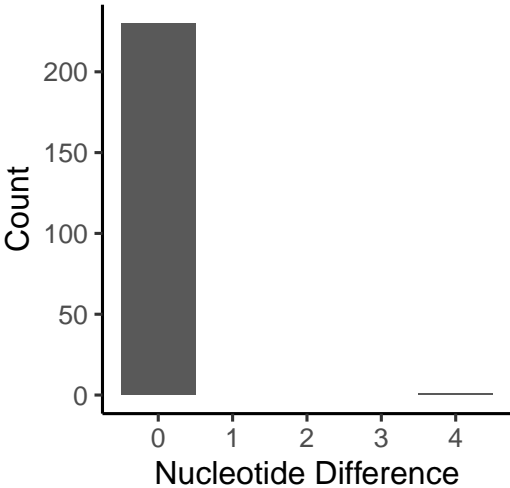
TRBV11-1*ap01

818 sequences assigned
817 (99.9%) exact matches, in which:
816 unique CDR3
13 unique J



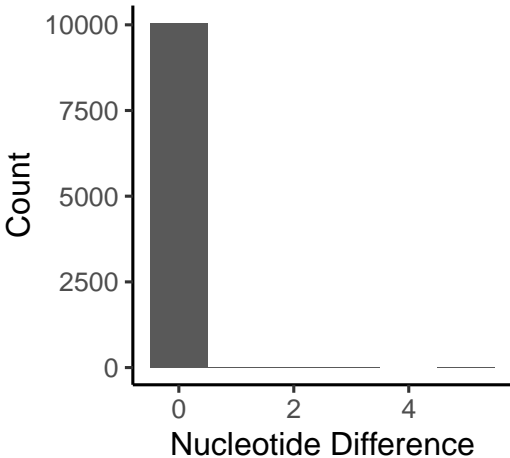
TRBV12-1*ap01

231 sequences assigned
230 (99.6%) exact matches, in which:
229 unique CDR3
13 unique J



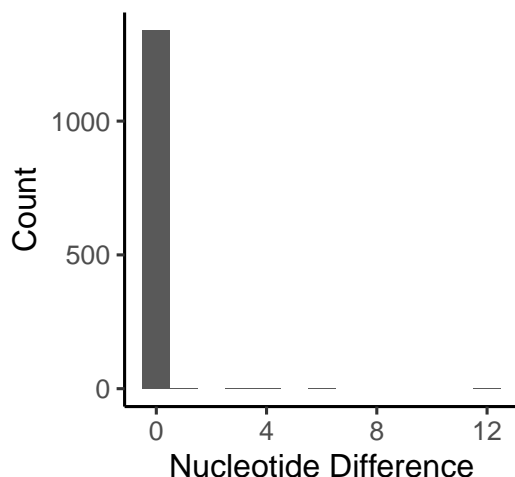
TRBV12-34*ap01

10079 sequences assigned
10059 (99.8%) exact matches, in which:
10049 unique CDR3
13 unique J



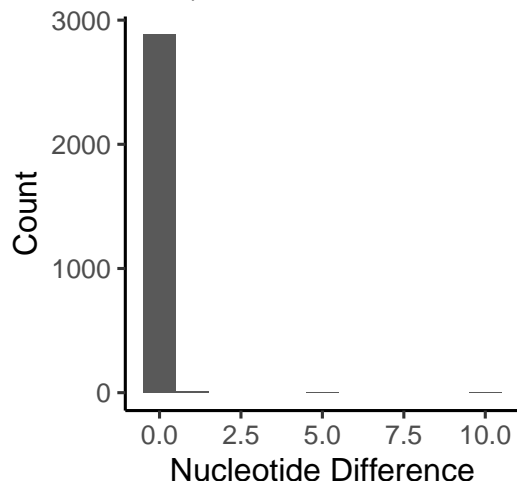
TRBV23-1*ap01

1346 sequences assigned
1339 (99.5%) exact matches, in which:
1339 unique CDR3
13 unique J



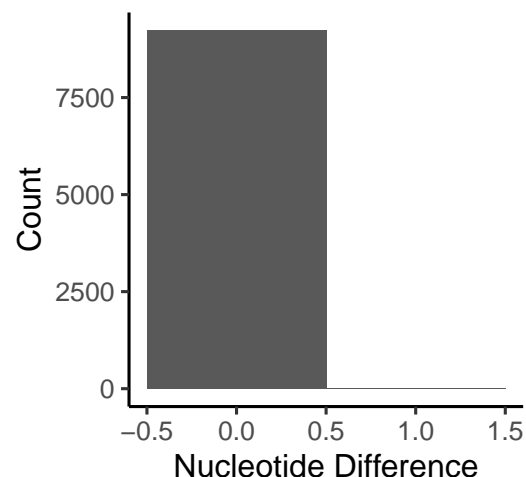
TRBV24-1*ap01

2899 sequences assigned
2885 (99.5%) exact matches, in which:
2880 unique CDR3
13 unique J



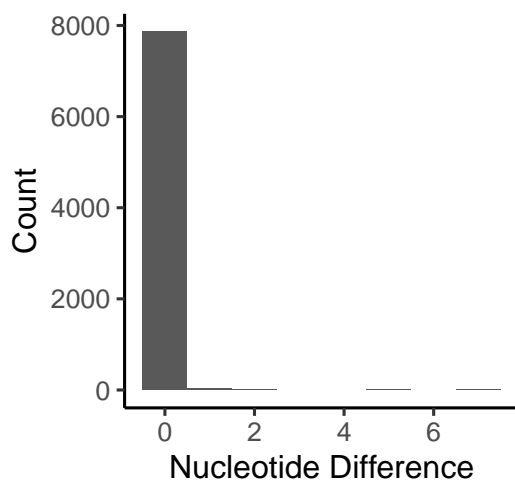
TRBV5-1*ap01

9251 sequences assigned
9230 (99.8%) exact matches, in which:
9208 unique CDR3
13 unique J



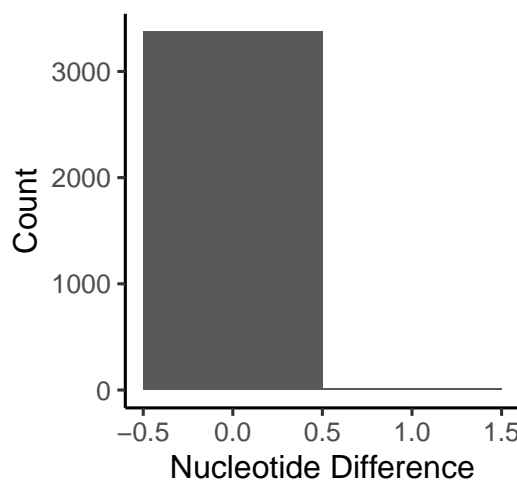
TRBV3-12*ap01

7899 sequences assigned
7863 (99.5%) exact matches, in which:
7841 unique CDR3
13 unique J



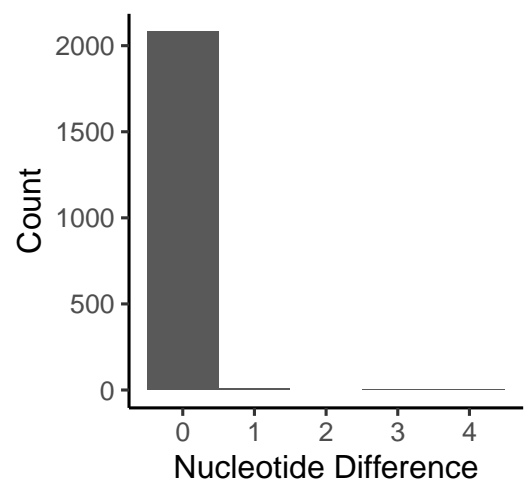
TRBV4-2*ap01

3389 sequences assigned
3374 (99.6%) exact matches, in which:
3370 unique CDR3
13 unique J



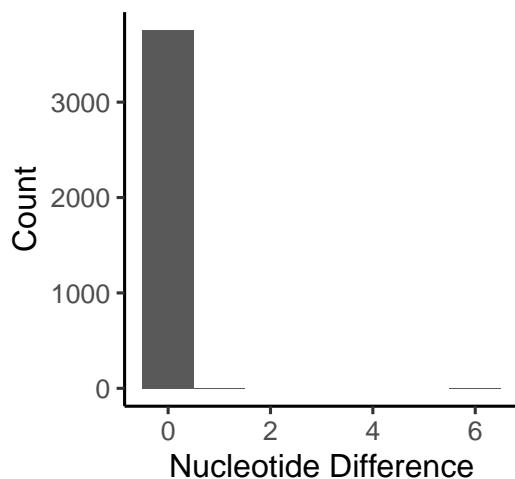
TRBV25-1*ap01

2092 sequences assigned
2081 (99.5%) exact matches, in which:
2076 unique CDR3
13 unique J



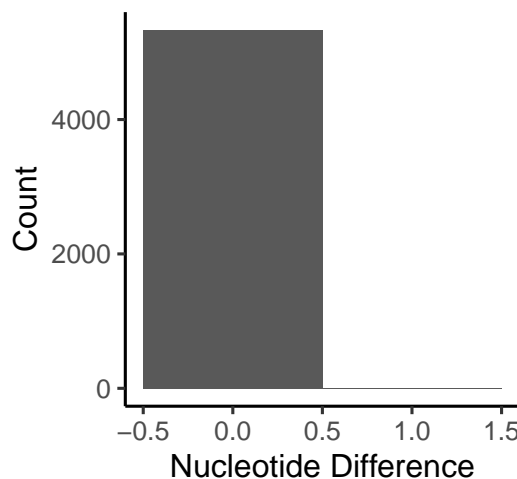
TRBV4-1*ap01

3762 sequences assigned
3756 (99.8%) exact matches, in which:
3751 unique CDR3
13 unique J



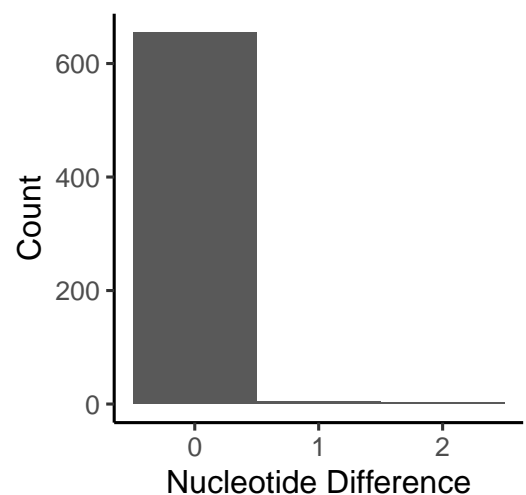
TRBV4-3*ap01

5340 sequences assigned
5332 (99.9%) exact matches, in which:
5325 unique CDR3
13 unique J



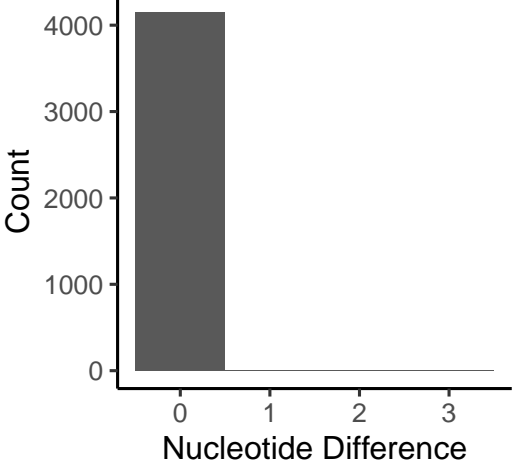
TRBV5-3*ap01

661 sequences assigned
655 (99.1%) exact matches, in which:
654 unique CDR3
13 unique J



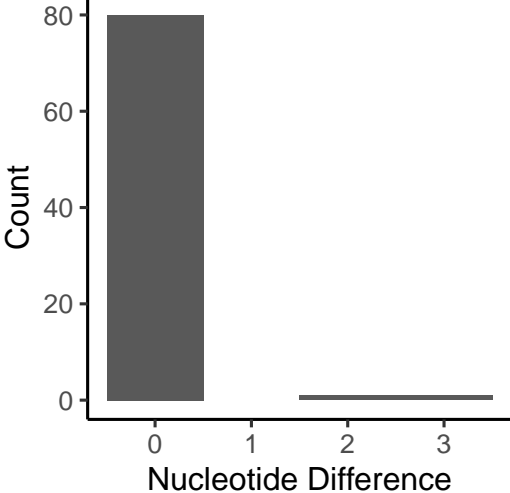
TRBV5-4*ap01

4158 sequences assigned
4148 (99.8%) exact matches, in which:
4148 unique CDR3
13 unique J



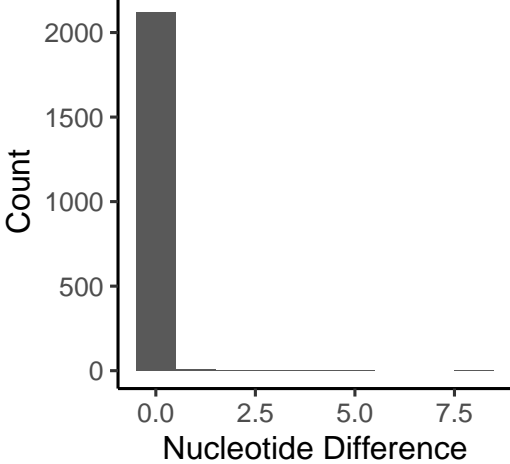
TRBV5-7*ap01

82 sequences assigned
80 (97.6%) exact matches, in which:
80 unique CDR3
12 unique J



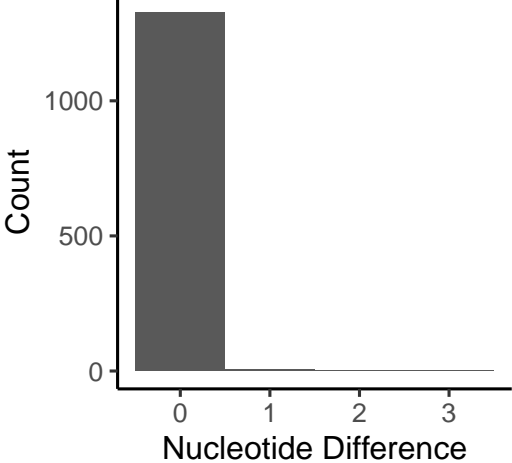
TRBV6-4*ap01

2137 sequences assigned
2119 (99.2%) exact matches, in which:
2117 unique CDR3
13 unique J



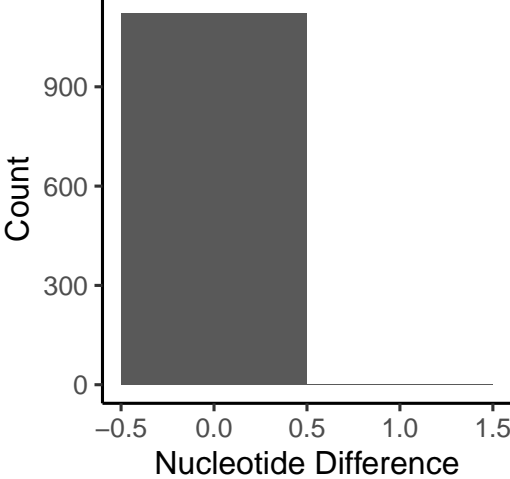
TRBV5-5*ap01

1333 sequences assigned
1326 (99.5%) exact matches, in which:
1323 unique CDR3
13 unique J



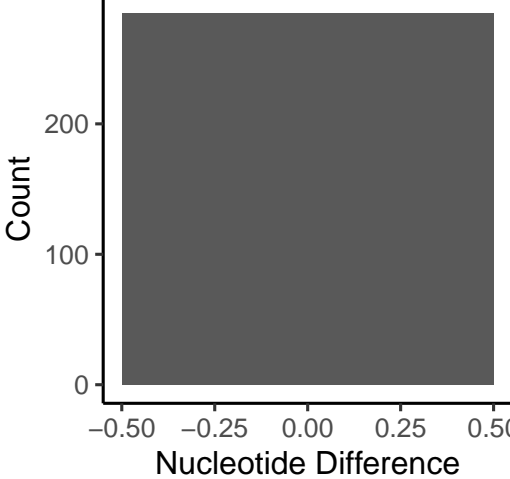
TRBV5-8*ap01

1126 sequences assigned
1123 (99.7%) exact matches, in which:
1122 unique CDR3
13 unique J



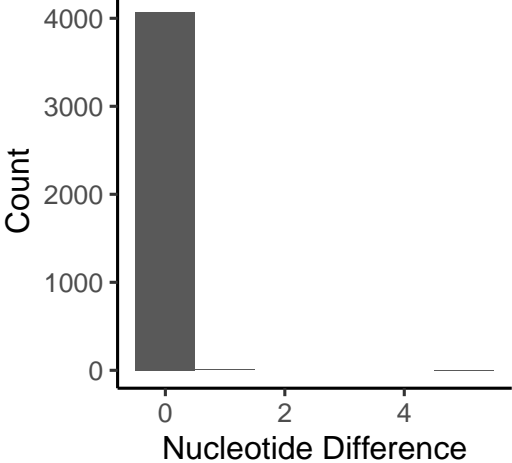
TRBV6-7*ap01

285 sequences assigned
285 (100%) exact matches, in which:
283 unique CDR3
13 unique J



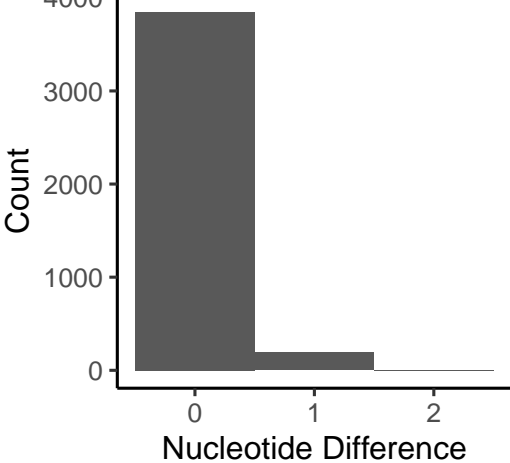
TRBV5-6*ap01

4080 sequences assigned
4071 (99.8%) exact matches, in which:
4058 unique CDR3
13 unique J



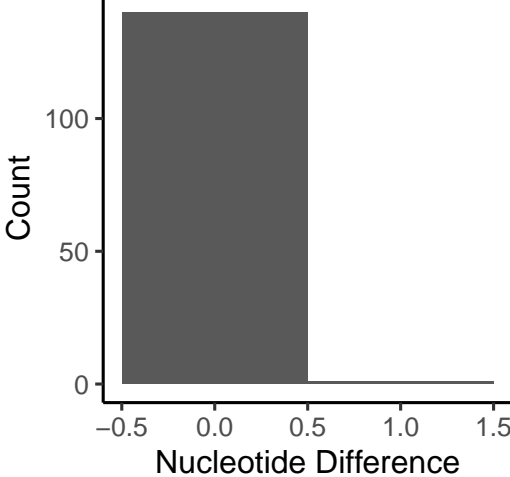
TRBV6-1*ap01

4041 sequences assigned
3847 (95.2%) exact matches, in which:
3840 unique CDR3
13 unique J



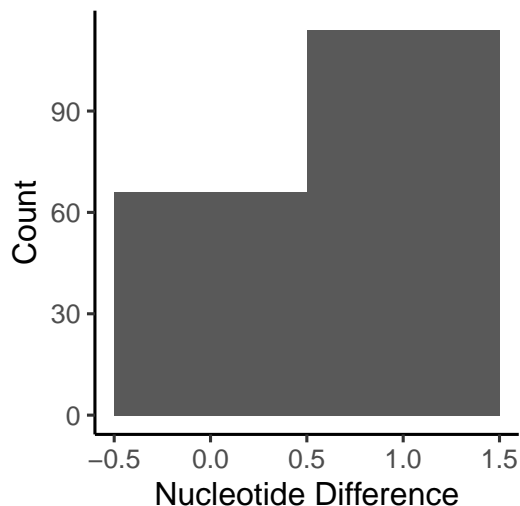
TRBV6-8*ap01

141 sequences assigned
140 (99.3%) exact matches, in which:
139 unique CDR3
13 unique J



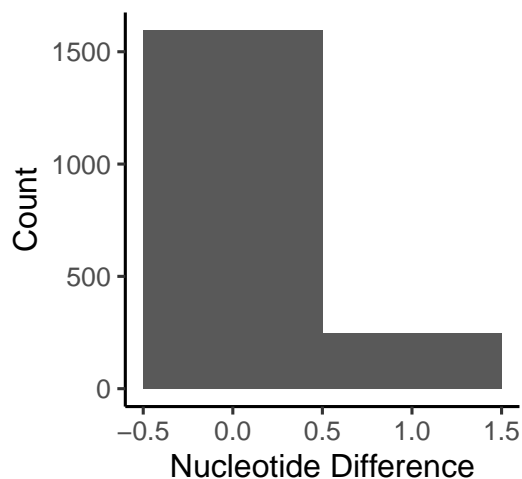
TRBV6-9*ap01

180 sequences assigned
66 (36.7%) exact matches, in which:
66 unique CDR3
11 unique J



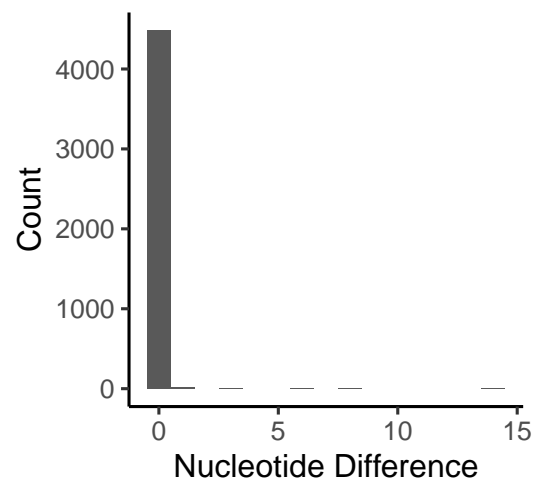
TRBV6-56*ap02

1841 sequences assigned
1595 (86.6%) exact matches, in which:
1590 unique CDR3
13 unique J



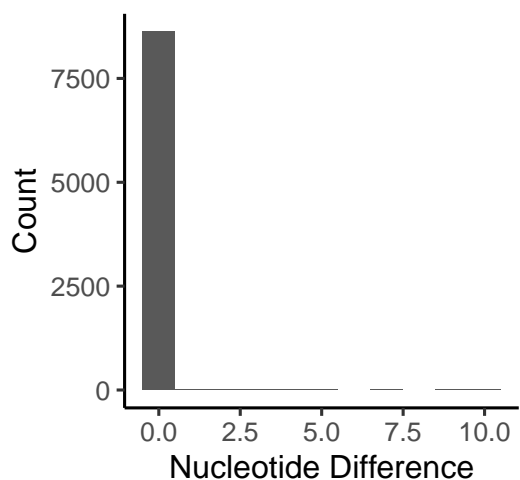
TRBV7-3*ap01

4503 sequences assigned
4483 (99.6%) exact matches, in which:
4475 unique CDR3
13 unique J



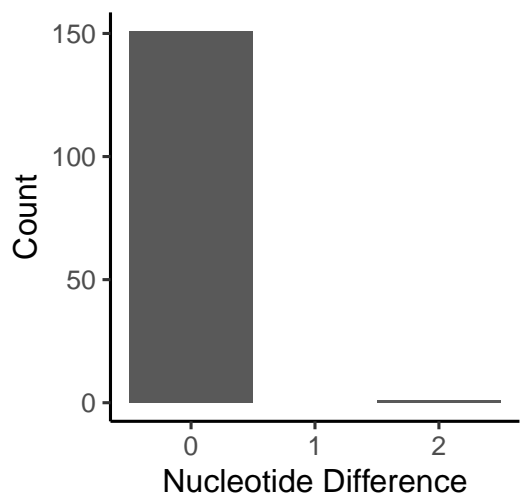
TRBV6-23*ap01

8659 sequences assigned
8624 (99.6%) exact matches, in which:
8600 unique CDR3
13 unique J



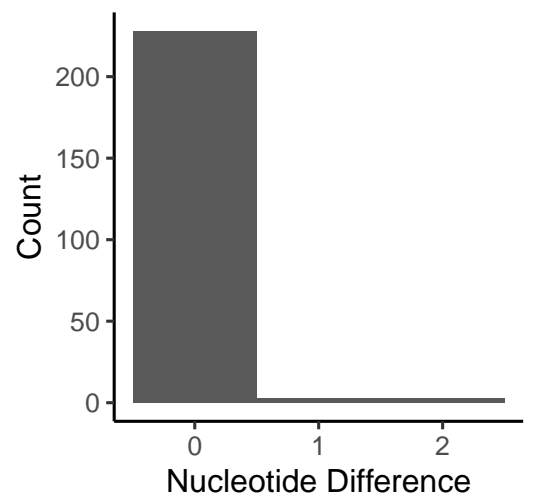
TRBV7-1*ap01_G291C_

152 sequences assigned
151 (99.3%) exact matches, in which:
151 unique CDR3
13 unique J



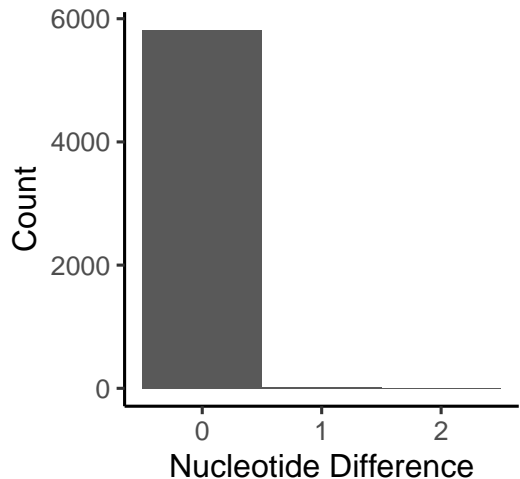
TRBV7-4*ap01

234 sequences assigned
228 (97.4%) exact matches, in which:
228 unique CDR3
13 unique J



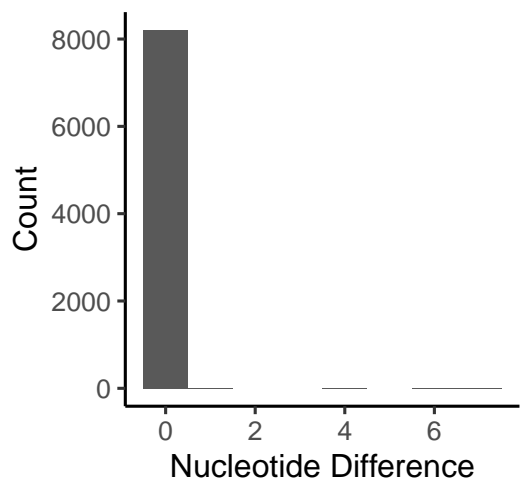
TRBV6-56*ap01

5840 sequences assigned
5816 (99.6%) exact matches, in which:
5799 unique CDR3
13 unique J



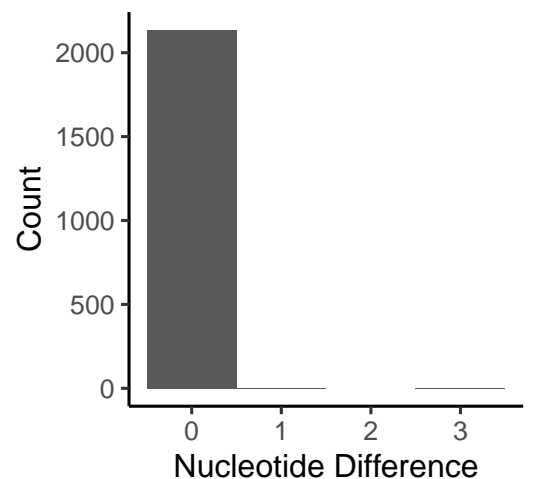
TRBV7-2*ap01

8221 sequences assigned
8206 (99.8%) exact matches, in which:
8203 unique CDR3
13 unique J



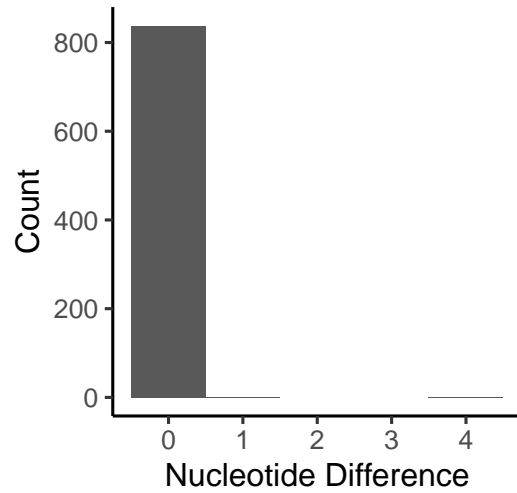
TRBV7-6*ap01

2138 sequences assigned
2135 (99.9%) exact matches, in which:
2132 unique CDR3
13 unique J



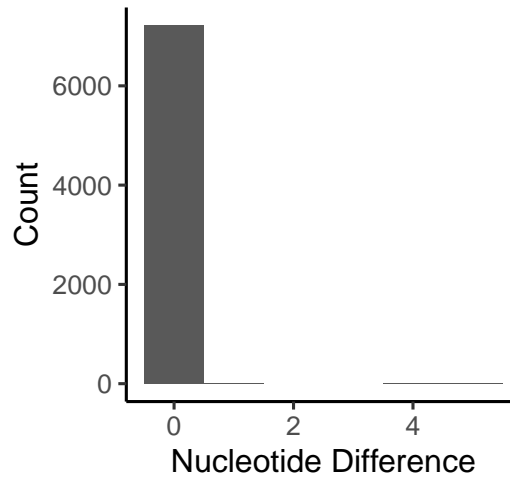
TRBV7-7*ap01

840 sequences assigned
838 (99.8%) exact matches, in which:
837 unique CDR3
13 unique J



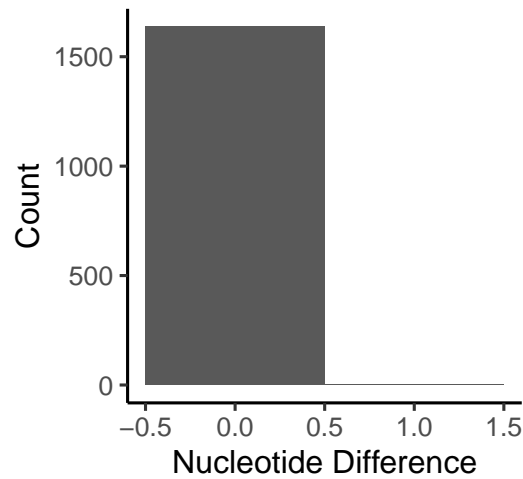
TRBV7-9*ap01

7236 sequences assigned
7217 (99.7%) exact matches, in which:
7212 unique CDR3
13 unique J



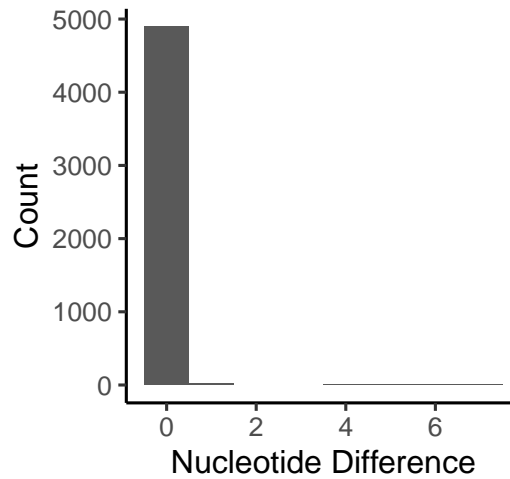
TRBV7-8*ap01

1638 sequences assigned
1637 (99.9%) exact matches, in which:
1637 unique CDR3
13 unique J



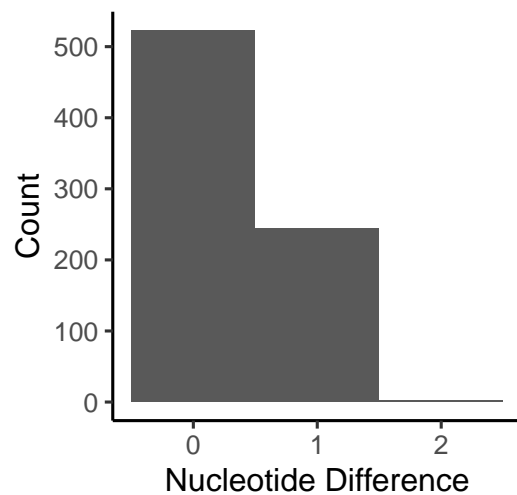
TRBV29-1*ap01

4923 sequences assigned
4895 (99.4%) exact matches, in which:
4886 unique CDR3
13 unique J



TRBV7-8*ap03

769 sequences assigned
523 (68%) exact matches, in which:
523 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

