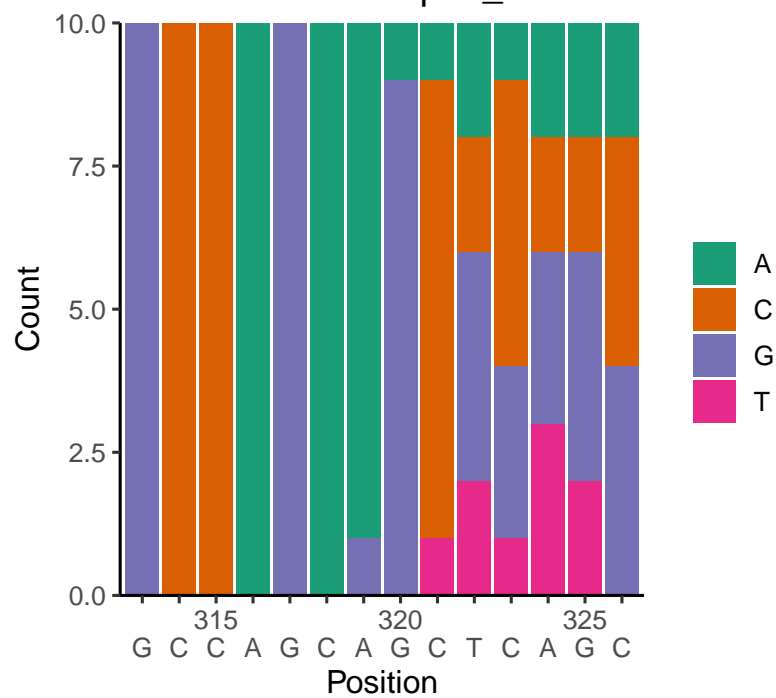
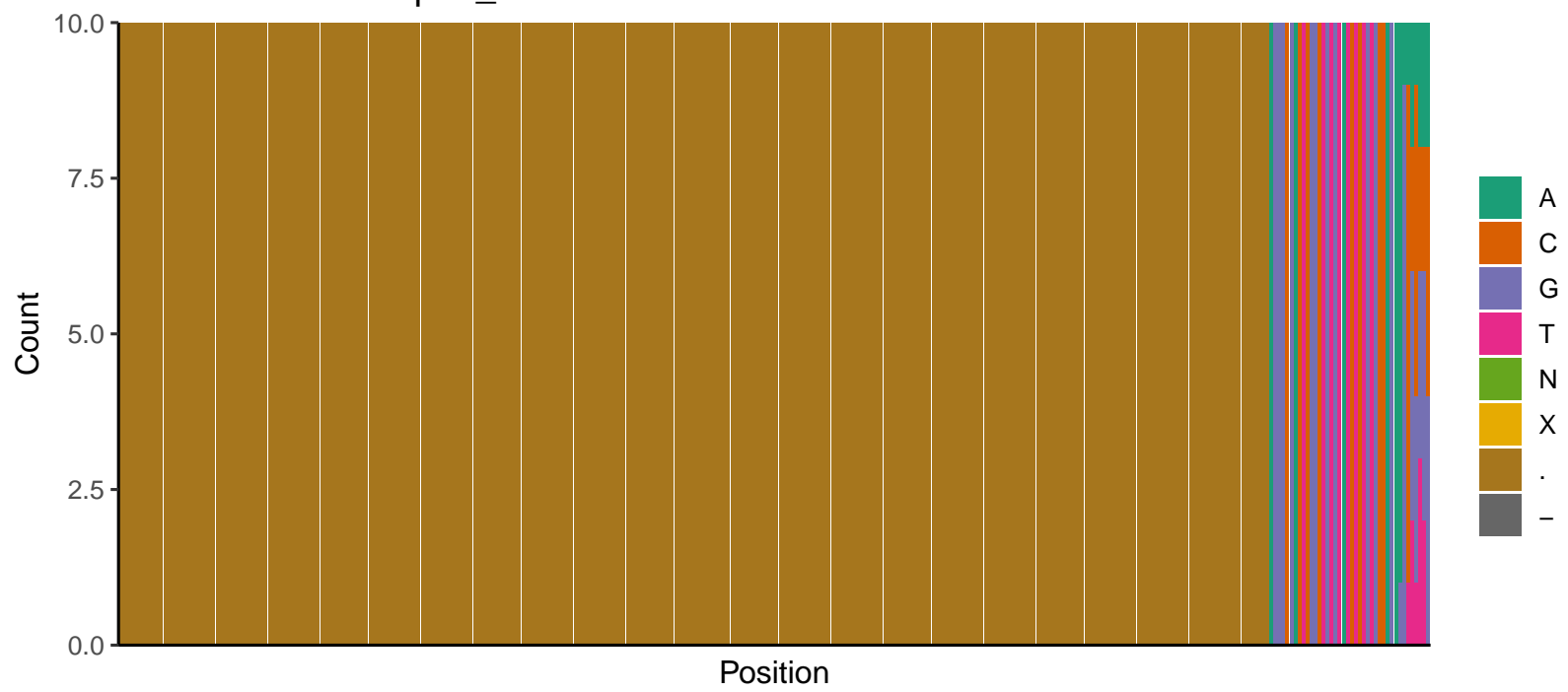


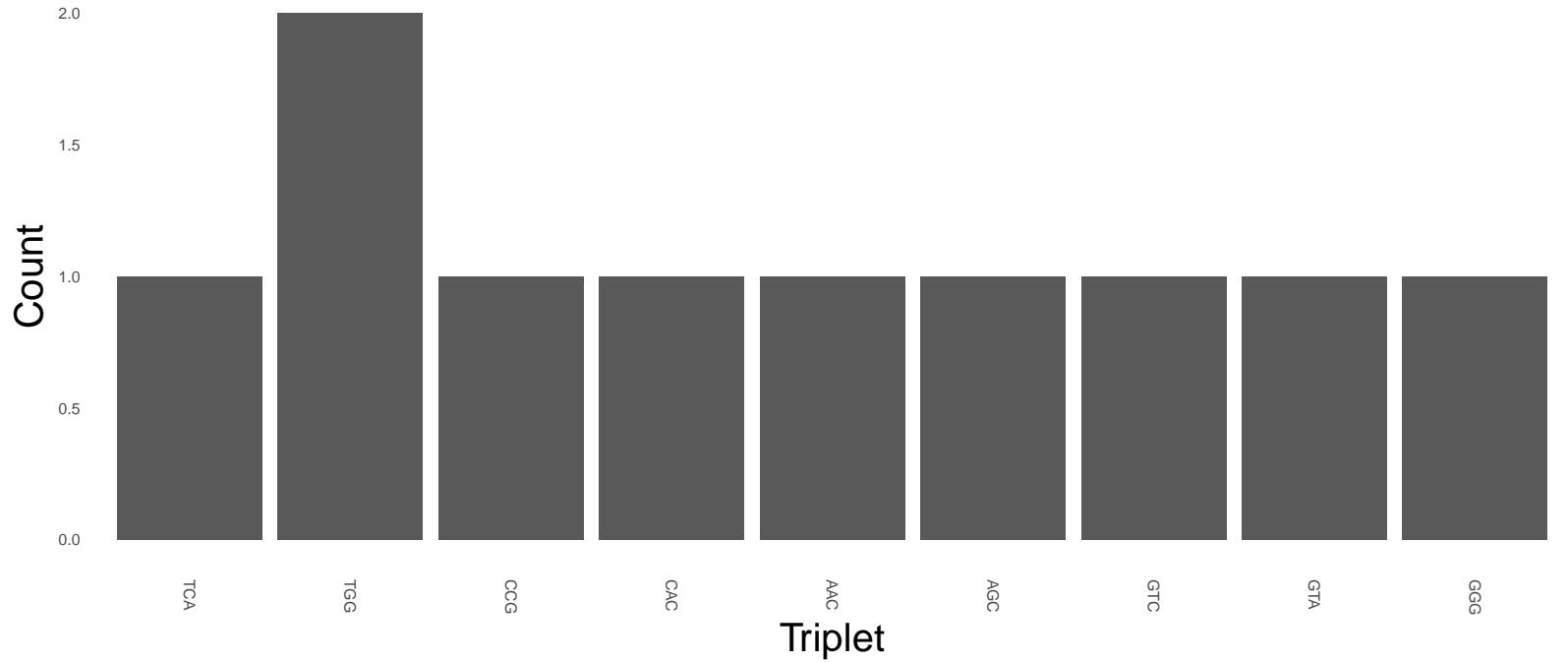
Gene TRBV7-1*ap01_T296C



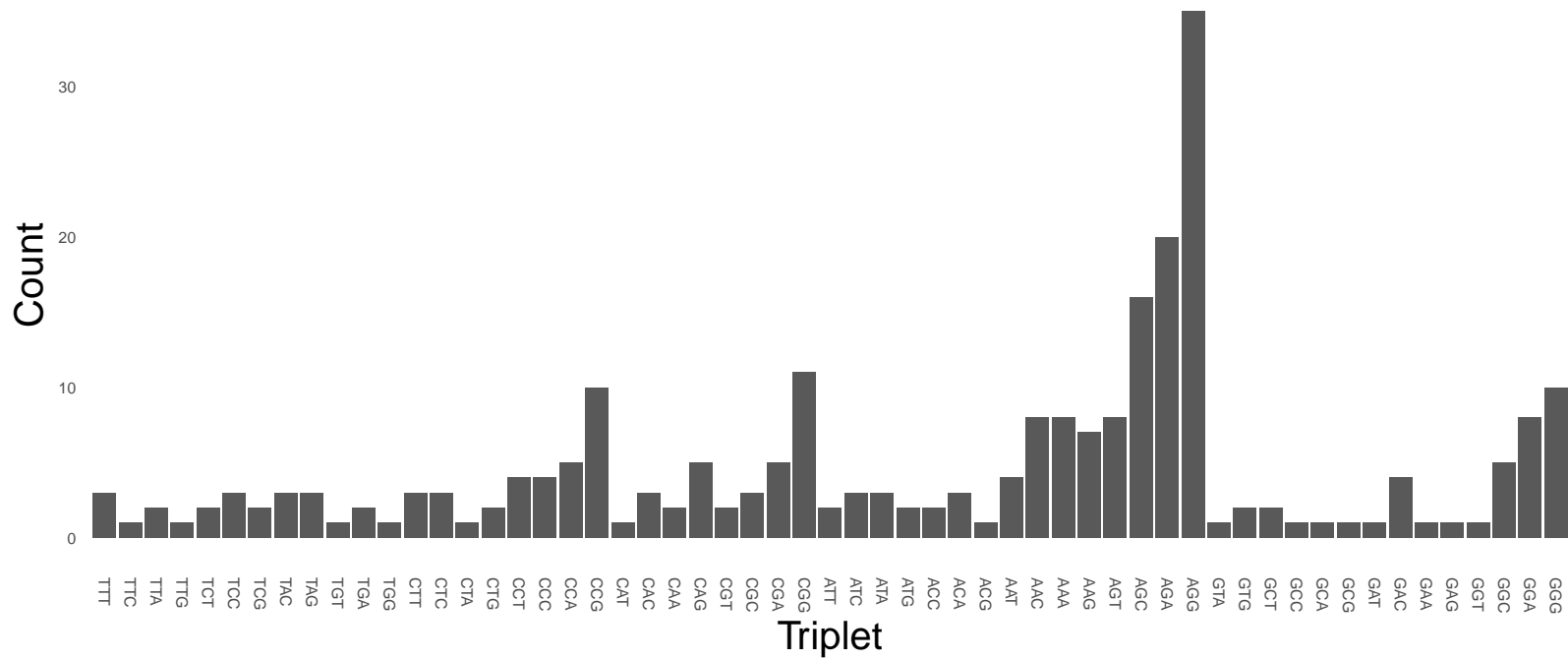
Gene TRBV7-1*ap01_T296C



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

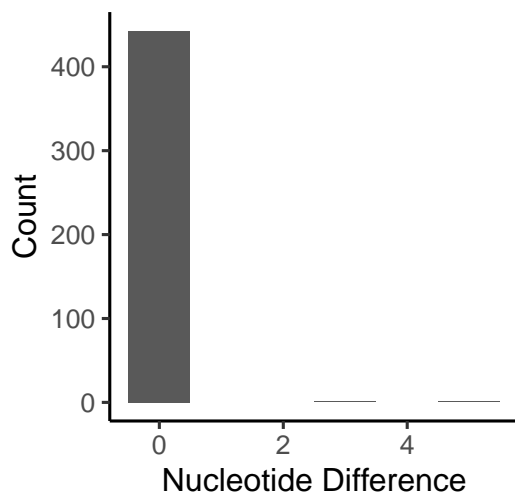


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



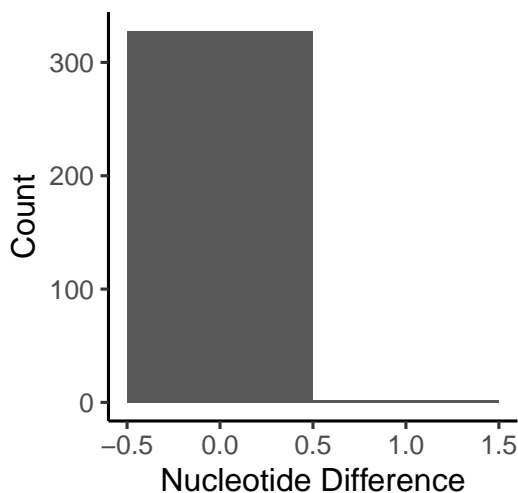
TRBV10–1*ap01

445 sequences assigned
443 (99.6%) exact matches, in which:
442 unique CDR3
13 unique J



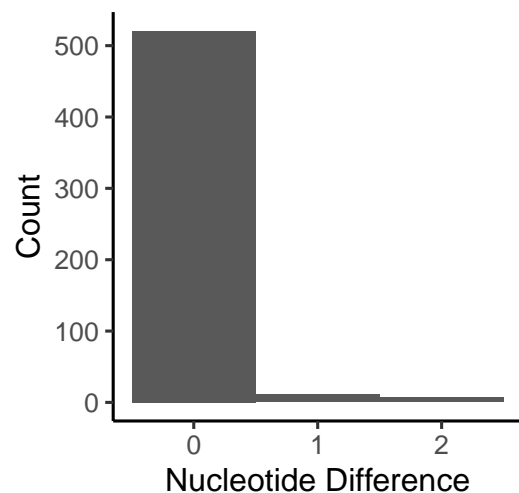
TRBV10–2*ap01

330 sequences assigned
328 (99.4%) exact matches, in which:
324 unique CDR3
13 unique J



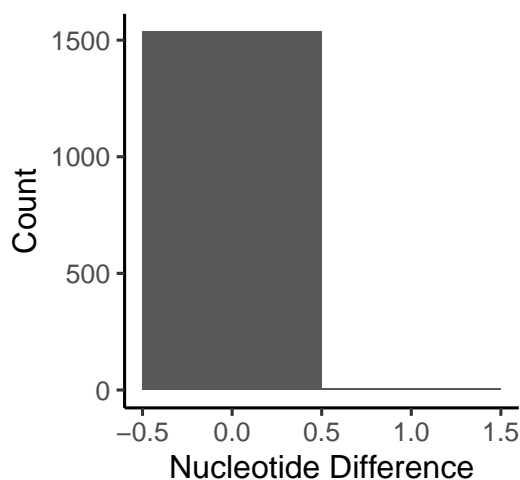
TRBV13*ap01

539 sequences assigned
521 (96.7%) exact matches, in which:
517 unique CDR3
13 unique J



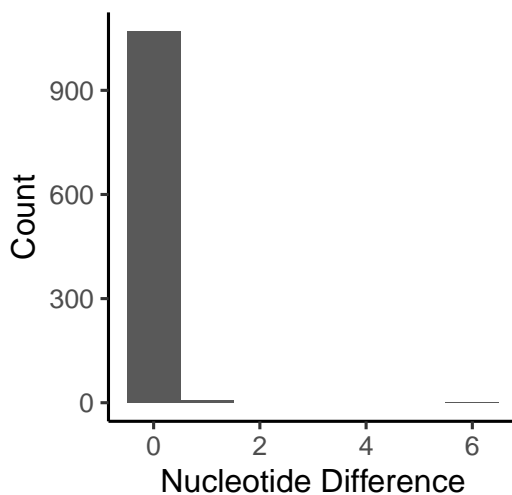
TRBV20–1*ap01

1543 sequences assigned
1536 (99.5%) exact matches, in which:
1532 unique CDR3
13 unique J



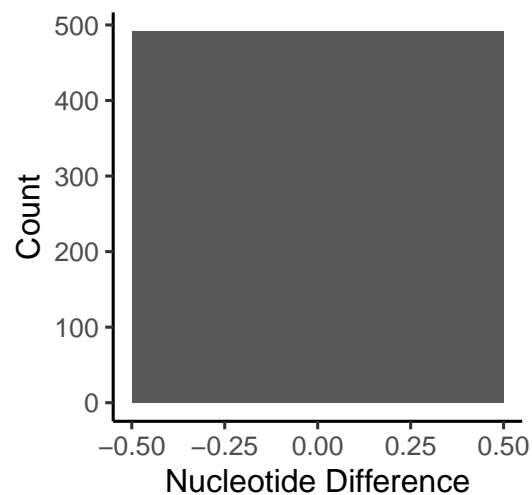
TRBV10–3*ap01

1079 sequences assigned
1071 (99.3%) exact matches, in which:
1067 unique CDR3
13 unique J



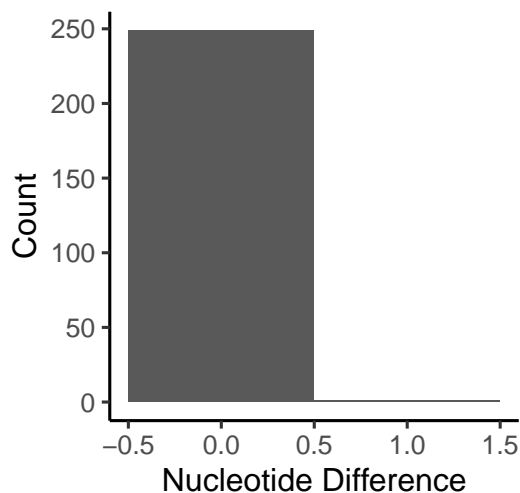
TRBV14*ap01

492 sequences assigned
492 (100%) exact matches, in which:
489 unique CDR3
13 unique J



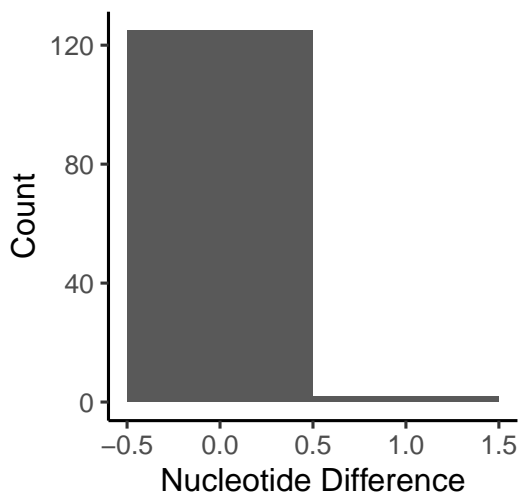
TRBV20–1*ap02

250 sequences assigned
249 (99.6%) exact matches, in which:
248 unique CDR3
12 unique J



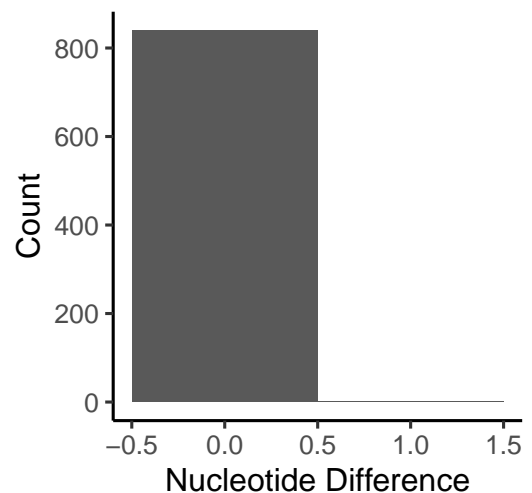
TRBV1*ap01

127 sequences assigned
125 (98.4%) exact matches, in which:
125 unique CDR3
13 unique J



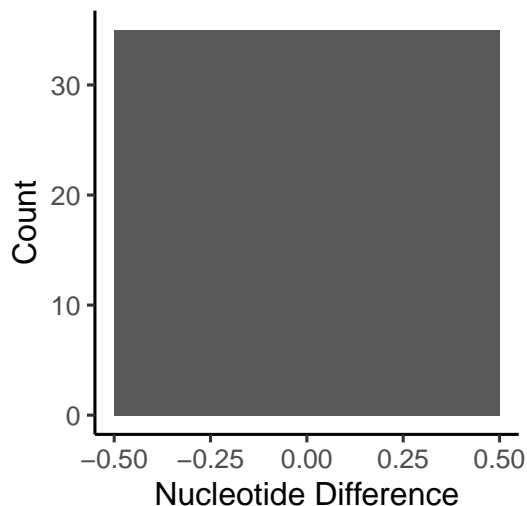
TRBV15*ap02

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



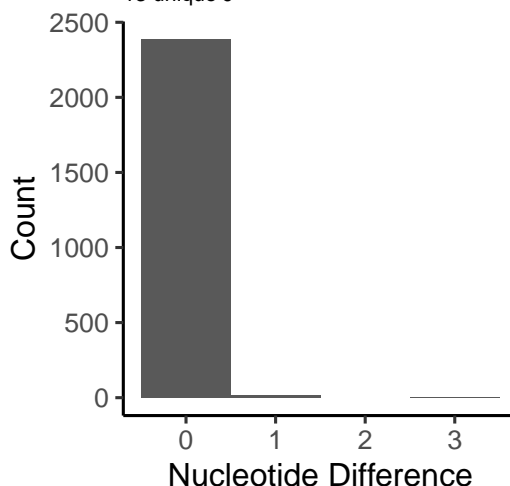
TRBV16*ap01

35 sequences assigned
35 (100%) exact matches, in which:
35 unique CDR3
11 unique J



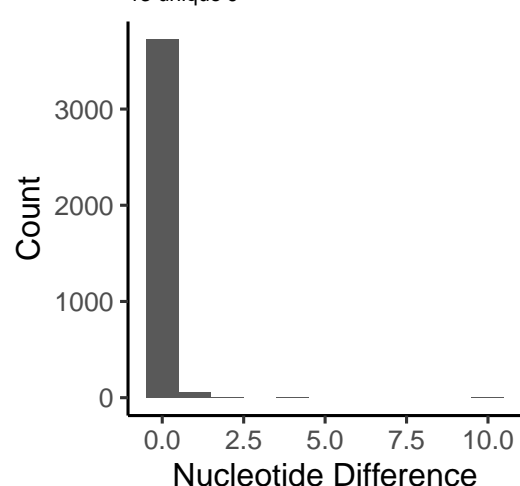
TRBV2*ap01

2404 sequences assigned
2386 (99.3%) exact matches, in which:
2374 unique CDR3
13 unique J



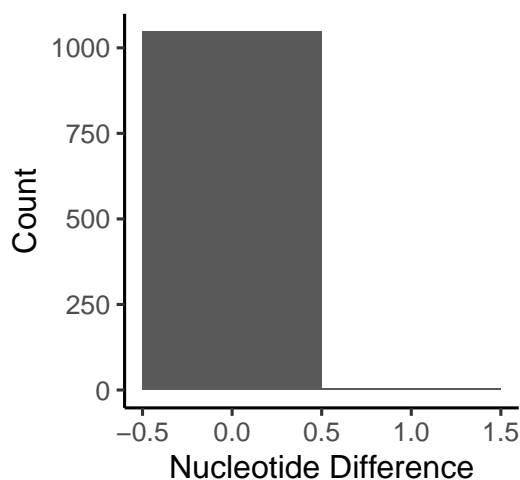
TRBV30*ap01

3787 sequences assigned
3724 (98.3%) exact matches, in which:
3688 unique CDR3
13 unique J



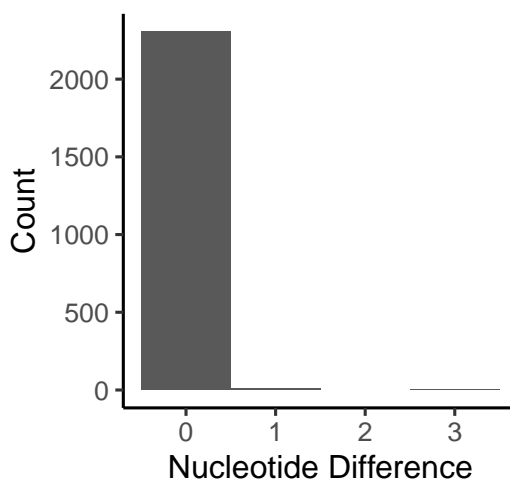
TRBV18*ap01

1051 sequences assigned
1047 (99.6%) exact matches, in which:
1046 unique CDR3
13 unique J



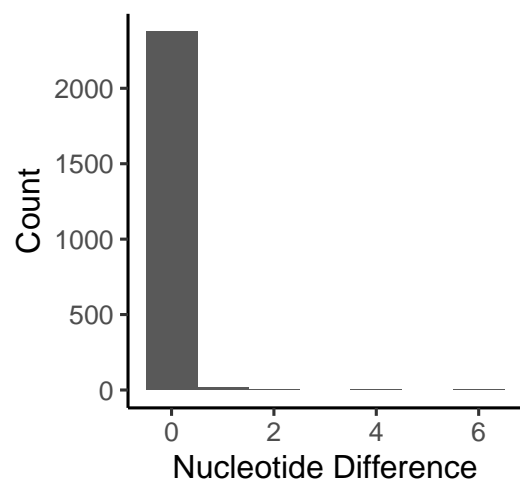
TRBV27*ap01

2313 sequences assigned
2305 (99.7%) exact matches, in which:
2294 unique CDR3
13 unique J



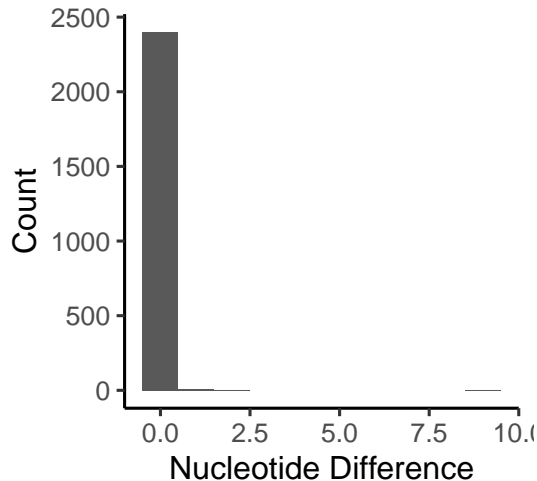
TRBV9*ap01

2398 sequences assigned
2375 (99%) exact matches, in which:
2368 unique CDR3
13 unique J



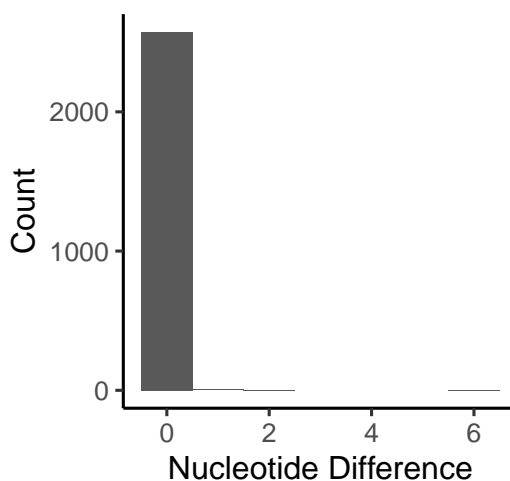
TRBV19*ap01

2409 sequences assigned
2400 (99.6%) exact matches, in which:
2395 unique CDR3
13 unique J



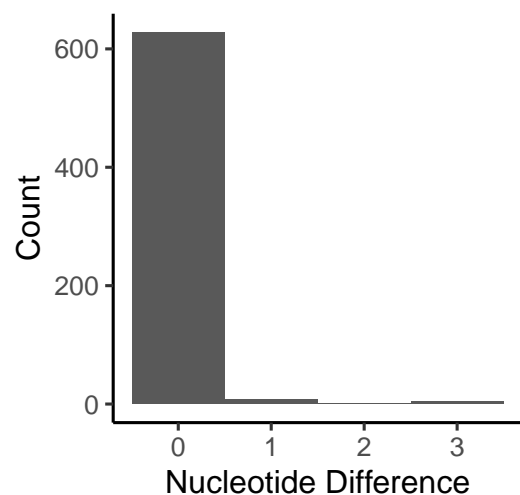
TRBV28*ap01

2582 sequences assigned
2573 (99.7%) exact matches, in which:
2566 unique CDR3
13 unique J



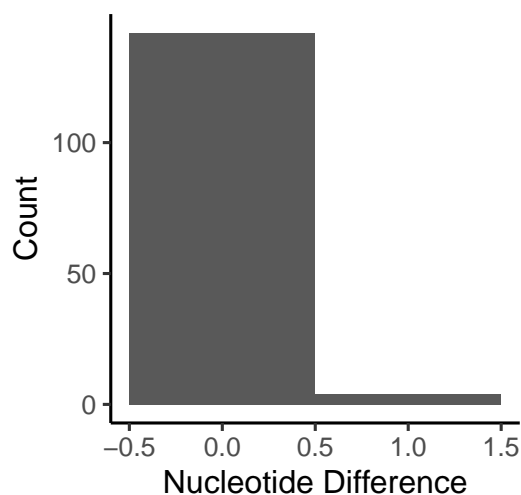
TRBV21-1*ap01

641 sequences assigned
628 (98%) exact matches, in which:
626 unique CDR3
13 unique J



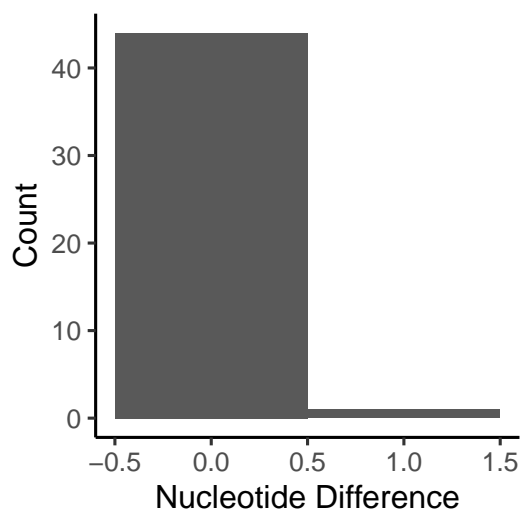
TRBV11-1*ap01

146 sequences assigned
142 (97.3%) exact matches, in which:
142 unique CDR3
13 unique J



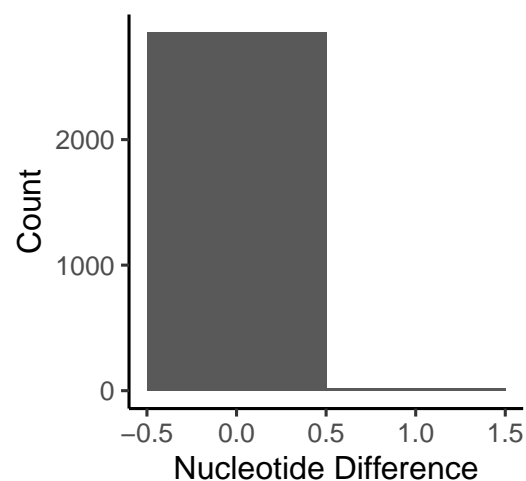
TRBV12-1*ap01

45 sequences assigned
44 (97.8%) exact matches, in which:
44 unique CDR3
13 unique J



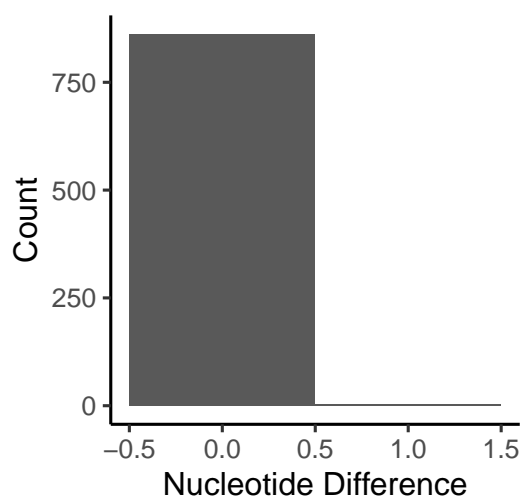
TRBV12-34*ap01

2873 sequences assigned
2854 (99.3%) exact matches, in which:
2840 unique CDR3
13 unique J



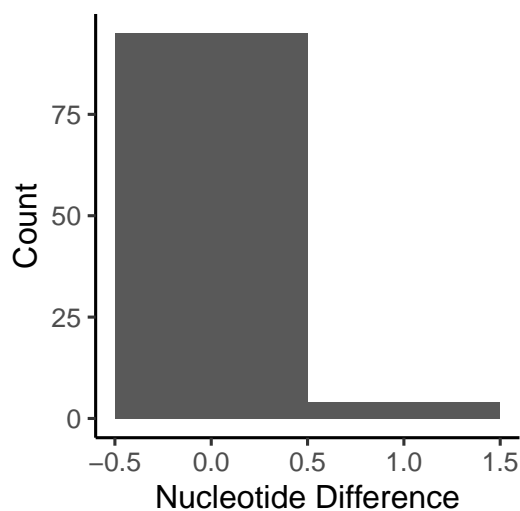
TRBV11-2*ap01

865 sequences assigned
862 (99.7%) exact matches, in which:
860 unique CDR3
13 unique J



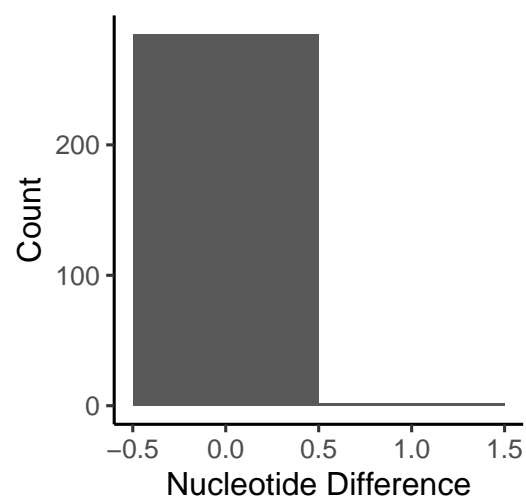
TRBV12-2*ap01

99 sequences assigned
95 (96%) exact matches, in which:
95 unique CDR3
11 unique J



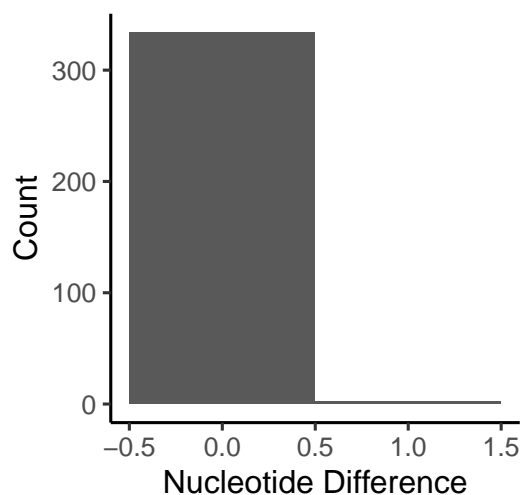
TRBV23-1*ap01

287 sequences assigned
285 (99.3%) exact matches, in which:
284 unique CDR3
13 unique J



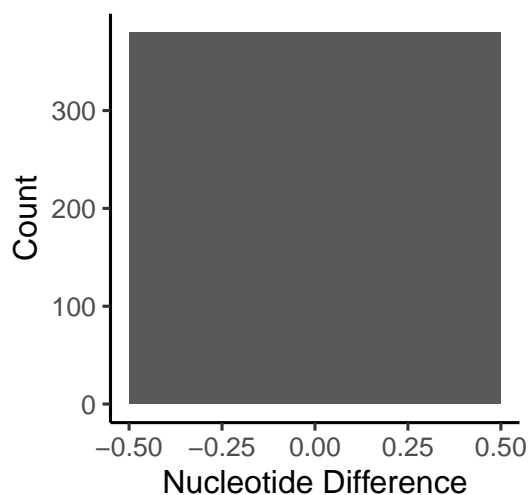
TRBV11-3*ap01

336 sequences assigned
334 (99.4%) exact matches, in which:
334 unique CDR3
13 unique J



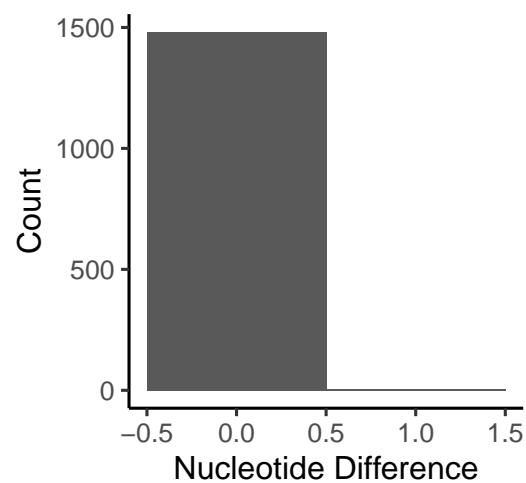
TRBV12-5*ap01

380 sequences assigned
380 (100%) exact matches, in which:
376 unique CDR3
13 unique J



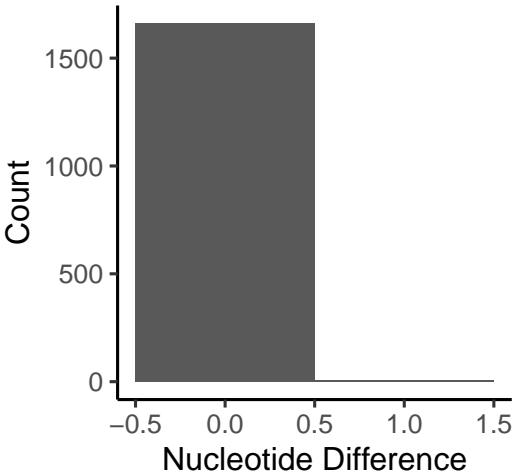
TRBV3-12*ap01

1486 sequences assigned
1481 (99.7%) exact matches, in which:
1479 unique CDR3
13 unique J



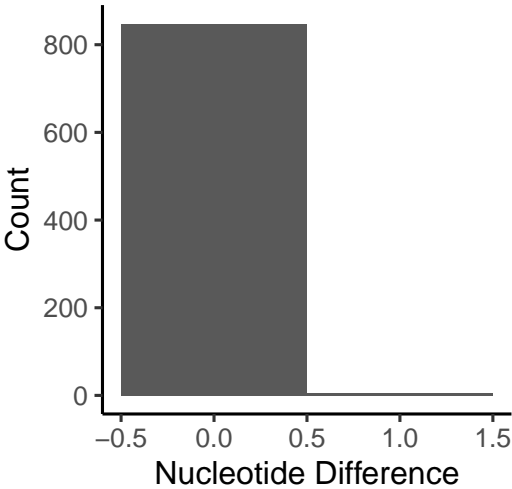
TRBV4-1*ap01

1666 sequences assigned
1661 (99.7%) exact matches, in which:
1647 unique CDR3
13 unique J



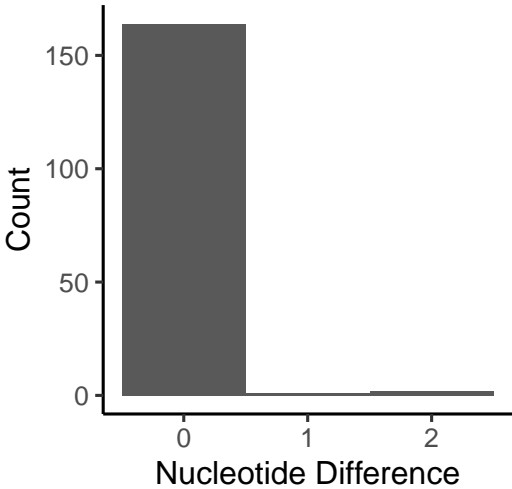
TRBV4-3*ap01

854 sequences assigned
848 (99.3%) exact matches, in which:
845 unique CDR3
13 unique J



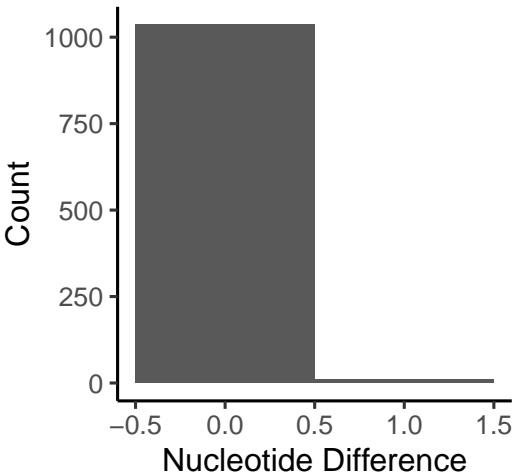
TRBV5-3*ap01

167 sequences assigned
164 (98.2%) exact matches, in which:
163 unique CDR3
13 unique J



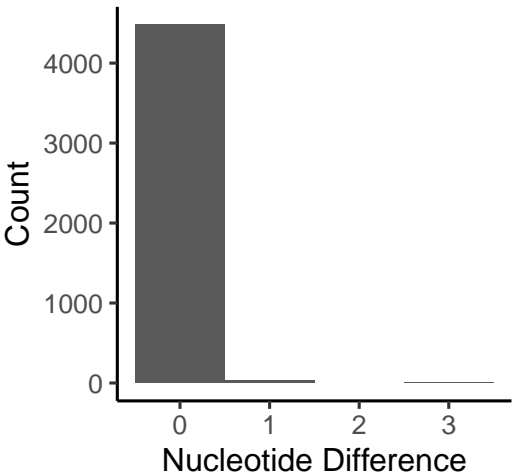
TRBV24-1*ap01

1045 sequences assigned
1036 (99.1%) exact matches, in which:
1031 unique CDR3
13 unique J



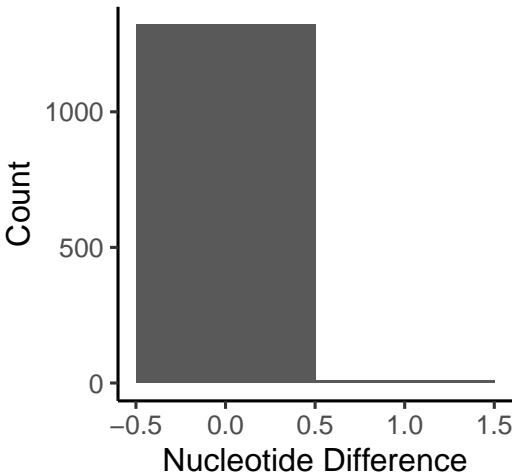
TRBV5-1*ap01

4508 sequences assigned
4480 (99.4%) exact matches, in which:
4457 unique CDR3
13 unique J



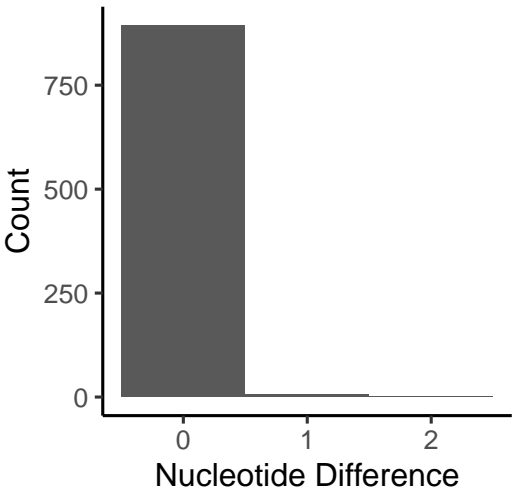
TRBV5-4*ap01

1329 sequences assigned
1321 (99.4%) exact matches, in which:
1313 unique CDR3
13 unique J



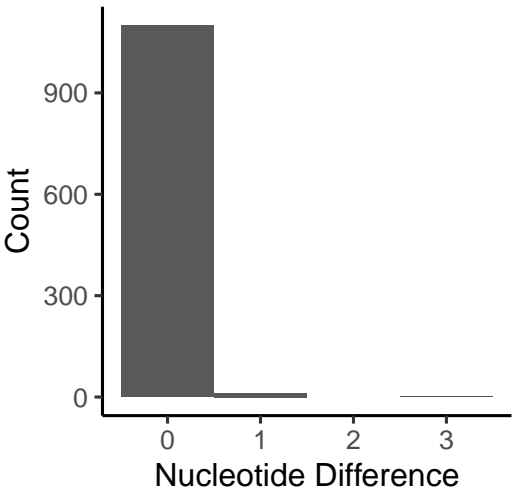
TRBV4-2*ap01

900 sequences assigned
894 (99.3%) exact matches, in which:
887 unique CDR3
13 unique J



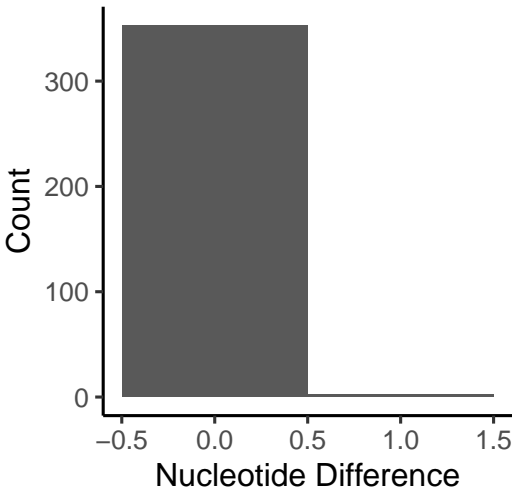
TRBV25-1*ap01

1113 sequences assigned
1100 (98.8%) exact matches, in which:
1091 unique CDR3
13 unique J



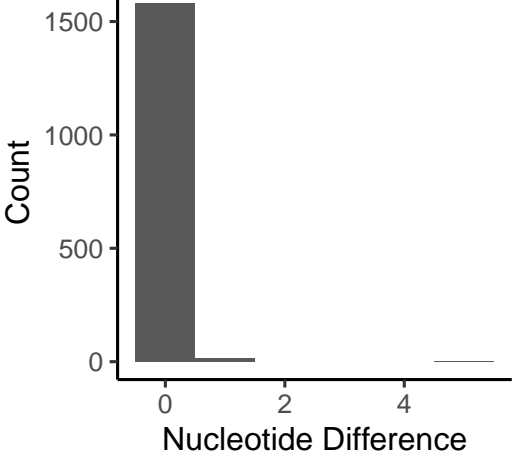
TRBV5-5*ap01

355 sequences assigned
353 (99.4%) exact matches, in which:
353 unique CDR3
13 unique J



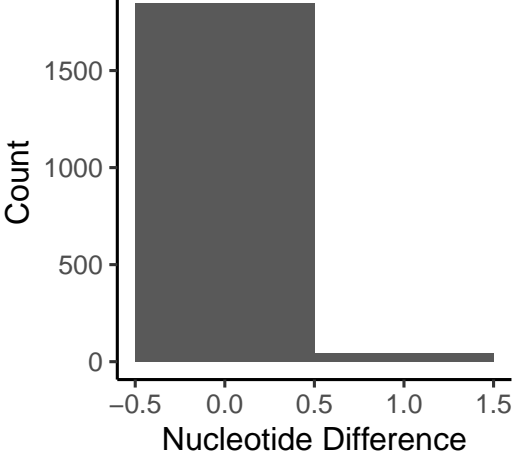
TRBV5-6*ap01

1597 sequences assigned
1580 (98.9%) exact matches, in which:
1568 unique CDR3
13 unique J



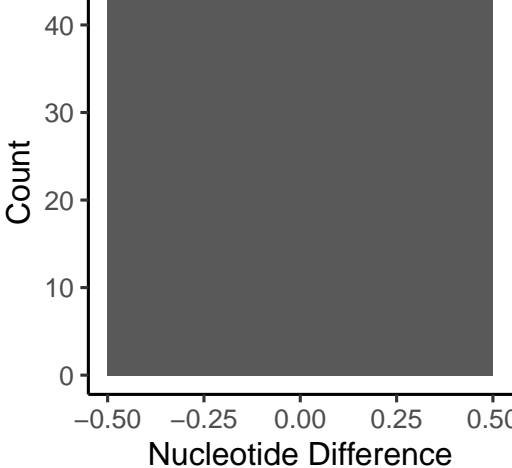
TRBV6-1*ap01

1889 sequences assigned
1846 (97.7%) exact matches, in which:
1834 unique CDR3
13 unique J



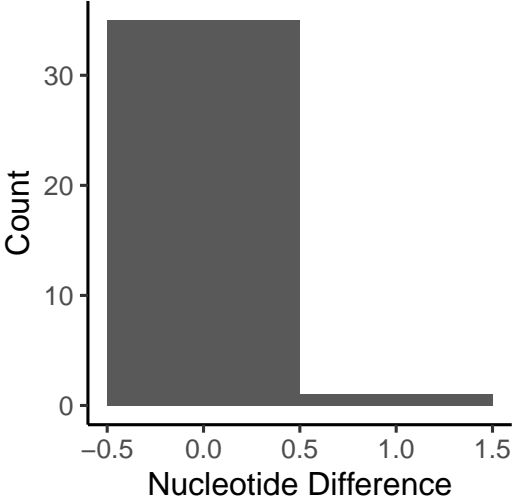
TRBV6-8*ap01

44 sequences assigned
44 (100%) exact matches, in which:
44 unique CDR3
12 unique J



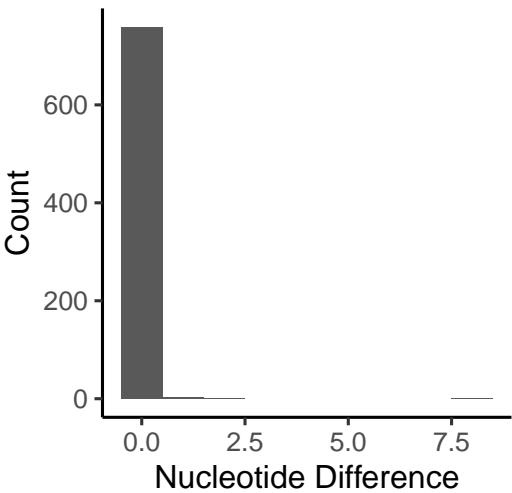
TRBV5-7*ap01

36 sequences assigned
35 (97.2%) exact matches, in which:
35 unique CDR3
13 unique J



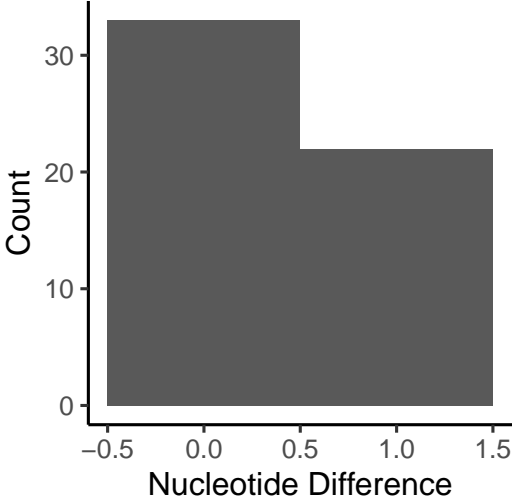
TRBV6-4*ap01

765 sequences assigned
759 (99.2%) exact matches, in which:
757 unique CDR3
13 unique J



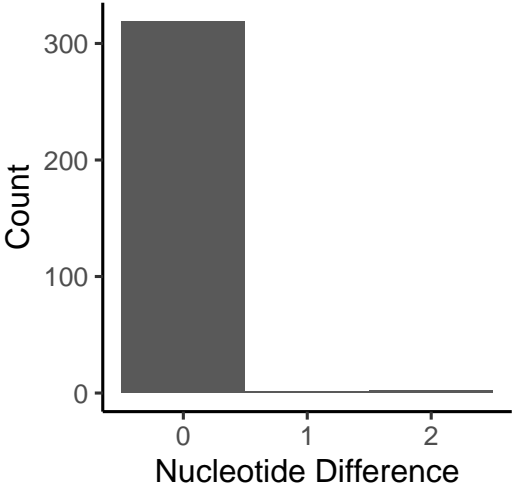
TRBV6-9*ap01

55 sequences assigned
33 (60%) exact matches, in which:
33 unique CDR3
10 unique J



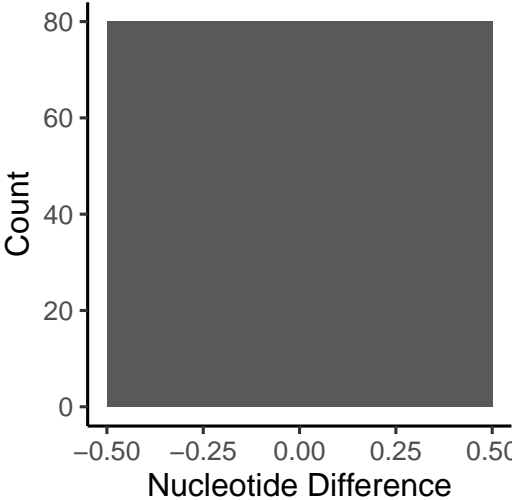
TRBV5-8*ap01

322 sequences assigned
319 (99.1%) exact matches, in which:
319 unique CDR3
13 unique J



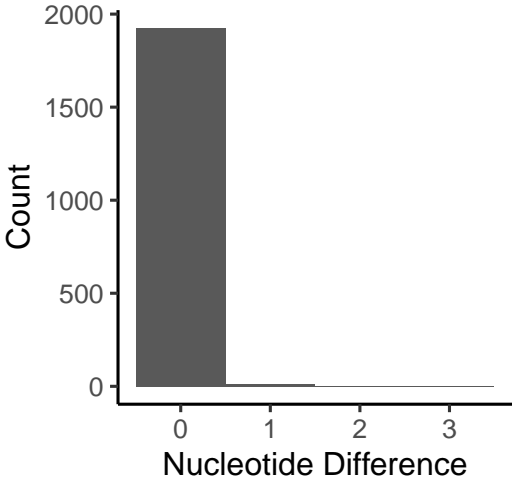
TRBV6-7*ap01

80 sequences assigned
80 (100%) exact matches, in which:
80 unique CDR3
13 unique J



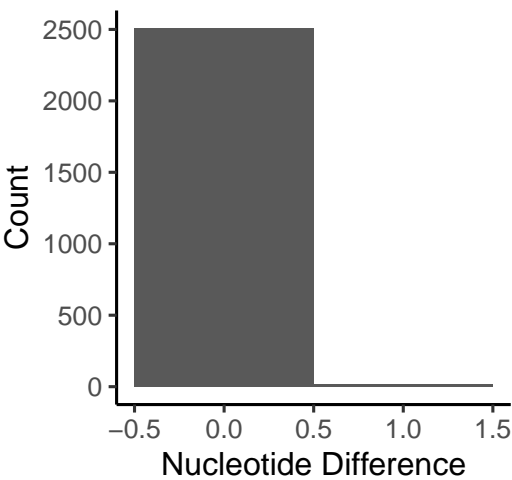
TRBV6-23*ap01

1941 sequences assigned
1925 (99.2%) exact matches, in which:
1900 unique CDR3
13 unique J



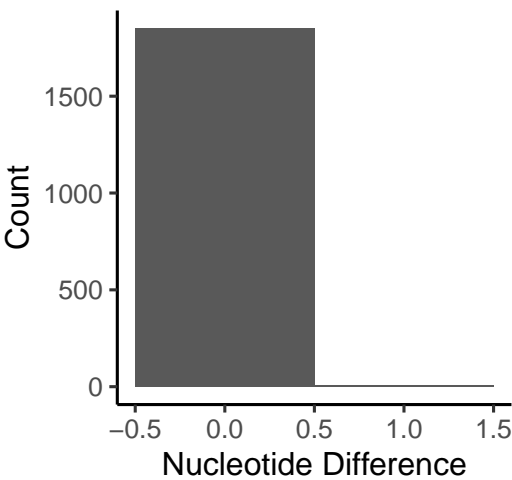
TRBV6-56*ap01

2523 sequences assigned
2507 (99.4%) exact matches, in which:
2492 unique CDR3
13 unique J



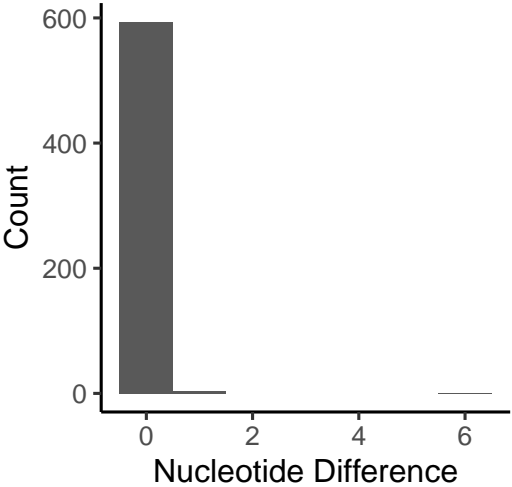
TRBV7-2*ap01

1856 sequences assigned
1850 (99.7%) exact matches, in which:
1846 unique CDR3
13 unique J



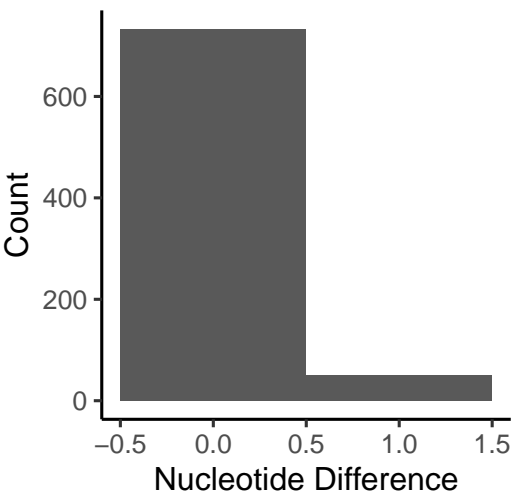
TRBV7-6*ap01

599 sequences assigned
594 (99.2%) exact matches, in which:
589 unique CDR3
13 unique J



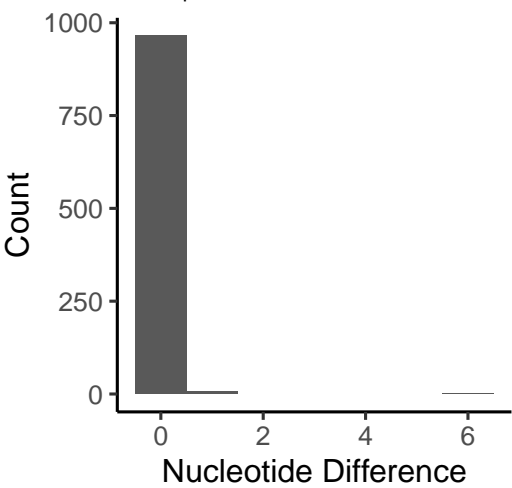
TRBV6-56*ap02

784 sequences assigned
733 (93.5%) exact matches, in which:
725 unique CDR3
13 unique J



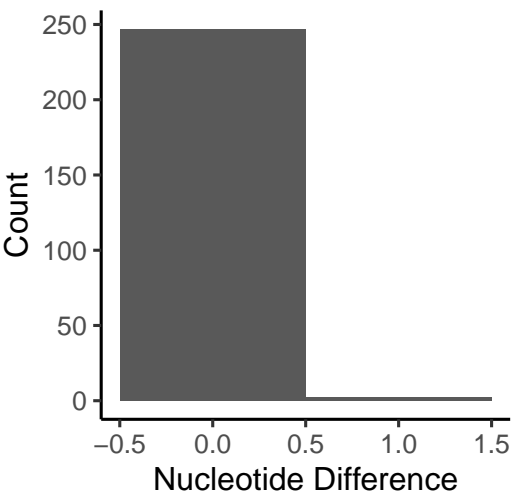
TRBV7-3*ap01

973 sequences assigned
965 (99.2%) exact matches, in which:
962 unique CDR3
13 unique J



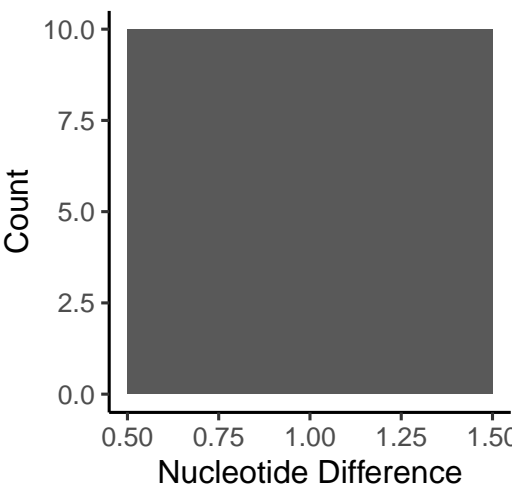
TRBV7-7*ap01_C315T

249 sequences assigned
247 (99.2%) exact matches, in which:
246 unique CDR3
13 unique J



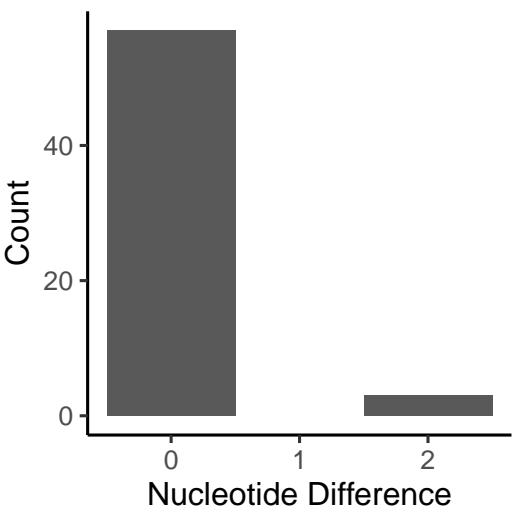
TRBV7-1*ap01_T296C

10 sequences assigned
No exact matches.



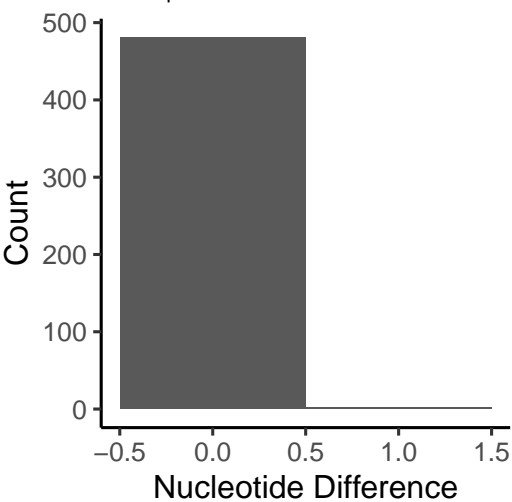
TRBV7-4*ap01

60 sequences assigned
57 (95%) exact matches, in which:
57 unique CDR3
12 unique J



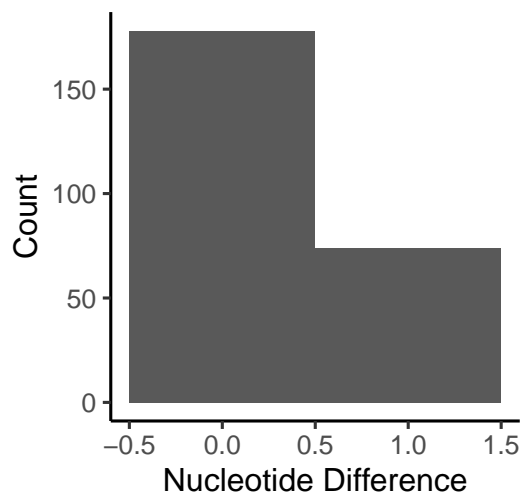
TRBV7-8*ap01

483 sequences assigned
481 (99.6%) exact matches, in which:
479 unique CDR3
13 unique J



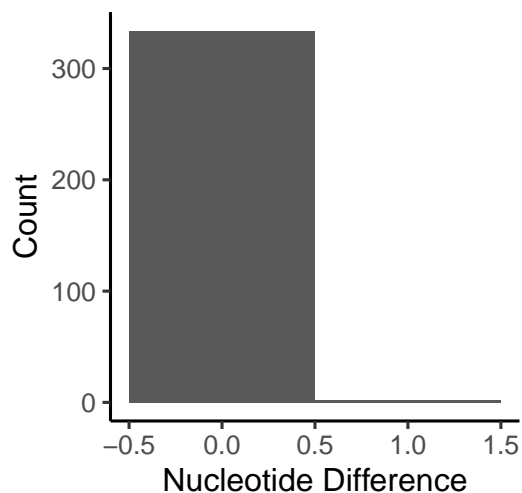
TRBV7–8*ap03

252 sequences assigned
178 (70.6%) exact matches, in which:
178 unique CDR3
13 unique J



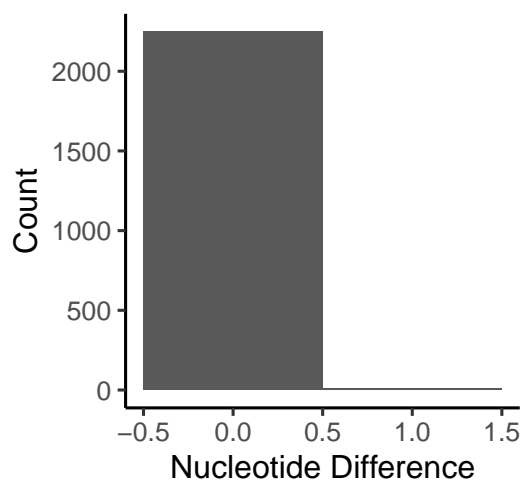
TRBV29–1*ap02

336 sequences assigned
334 (99.4%) exact matches, in which:
329 unique CDR3
13 unique J



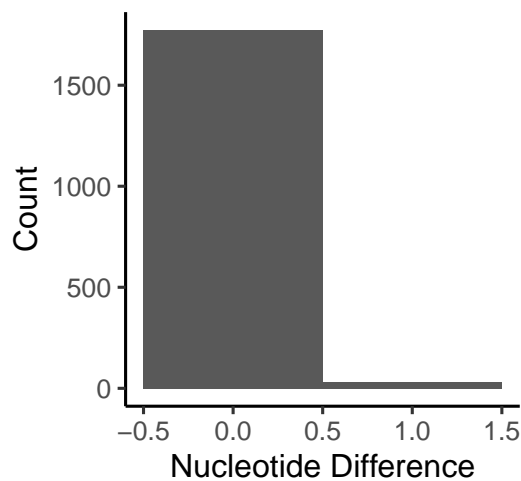
TRBV7–9*ap01

2258 sequences assigned
2248 (99.6%) exact matches, in which:
2245 unique CDR3
13 unique J

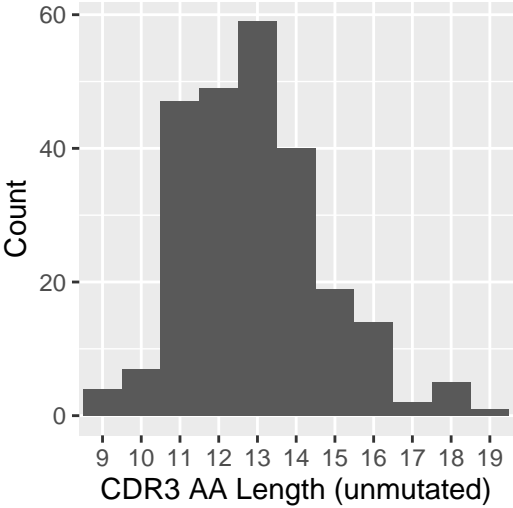


TRBV29–1*ap01

1805 sequences assigned
1773 (98.2%) exact matches, in which:
1758 unique CDR3
13 unique J



TRBV7-7*ap01_C315T





[illegible]