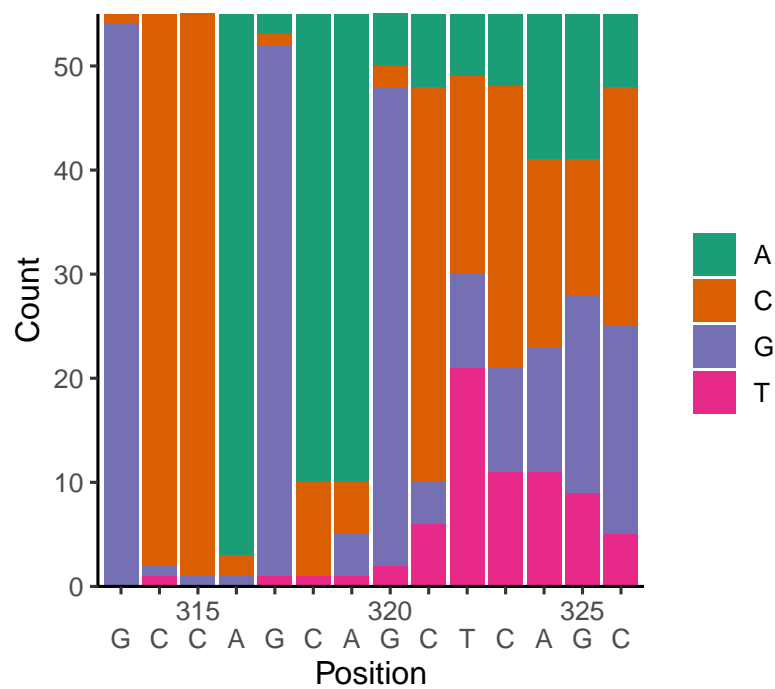
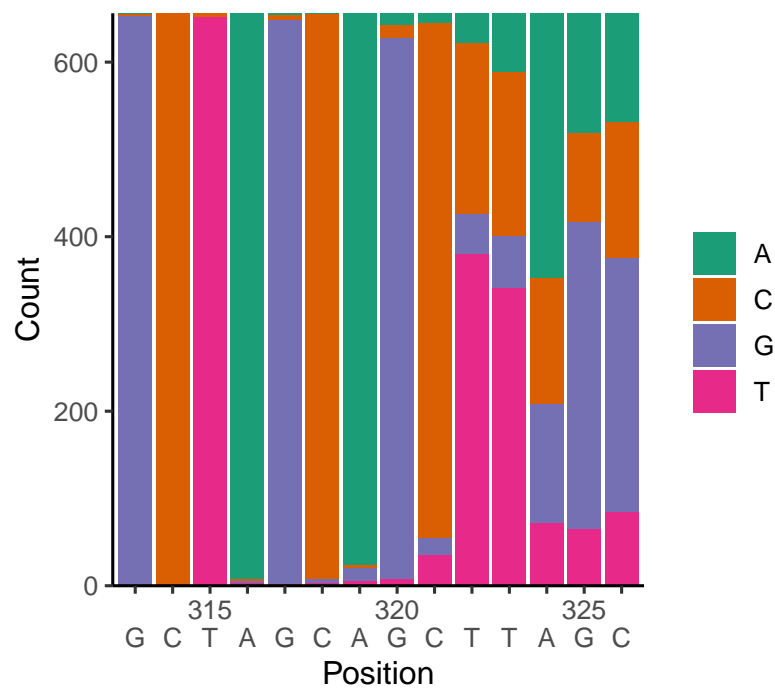


Gene TRBV7-1*ap01_T296C



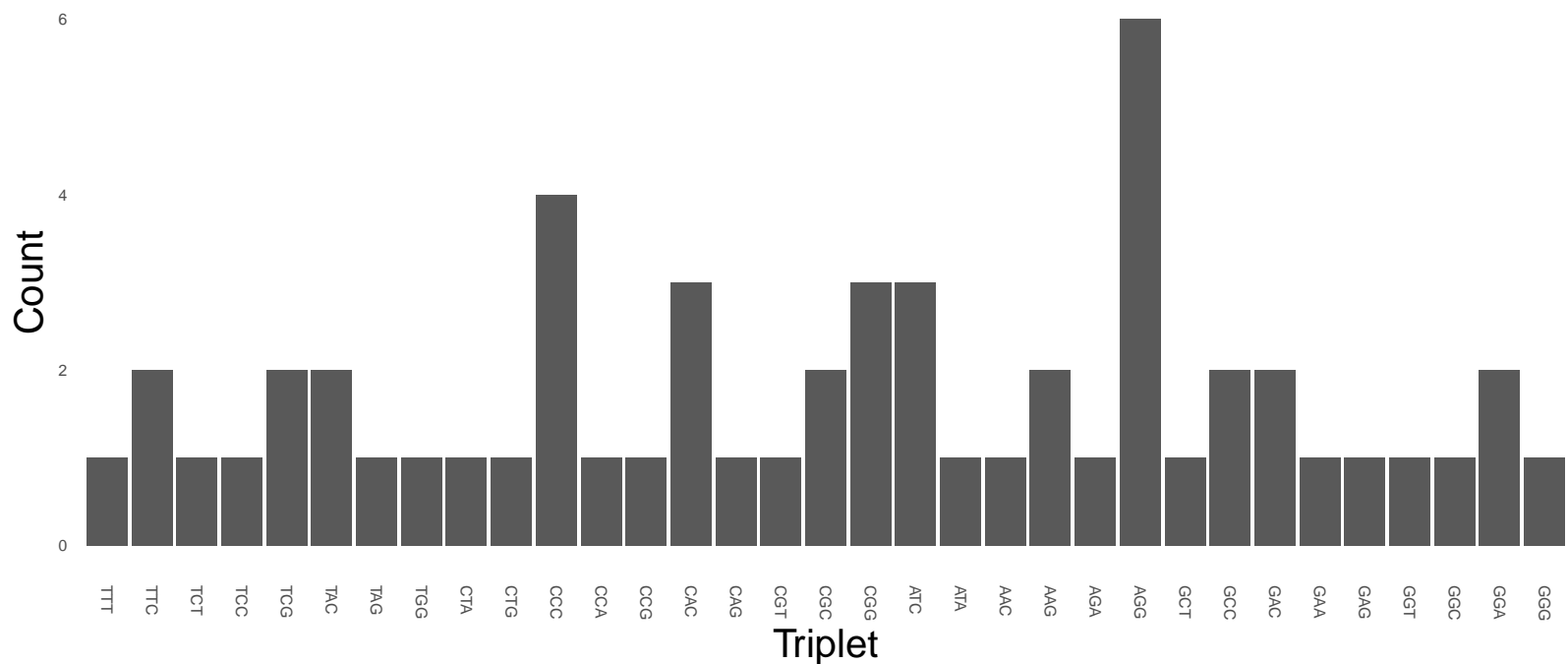
Gene TRBV7-7*ap01_C315T



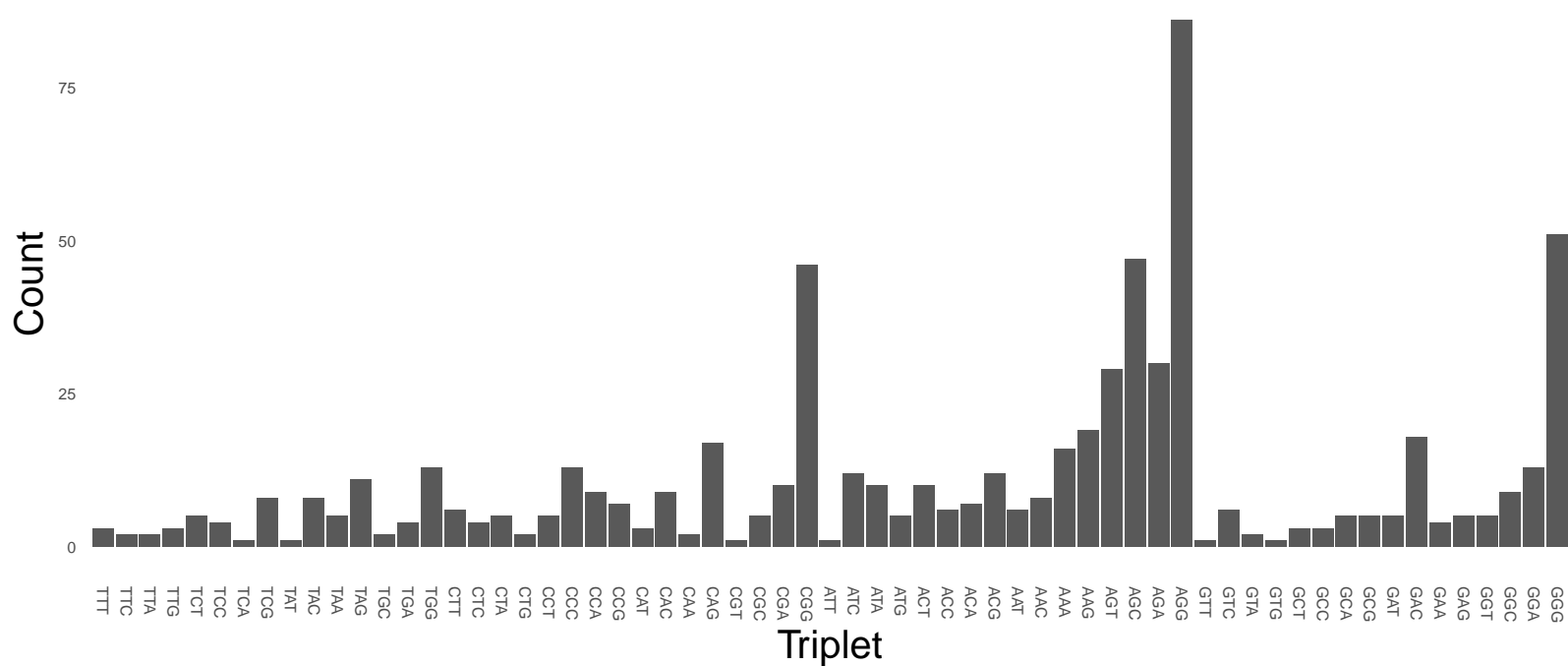
Gene TRBV7-1*ap01_T296C



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

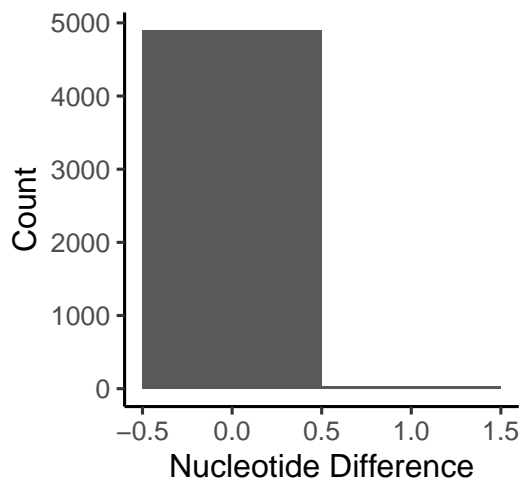


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



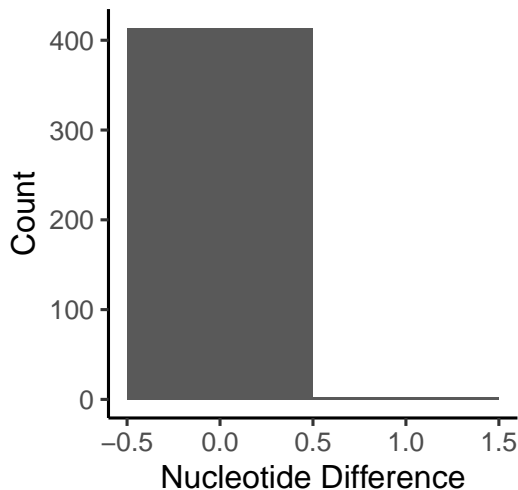
TRBV20-1*ap01

4935 sequences assigned
4897 (99.2%) exact matches, in which:
4861 unique CDR3
14 unique J



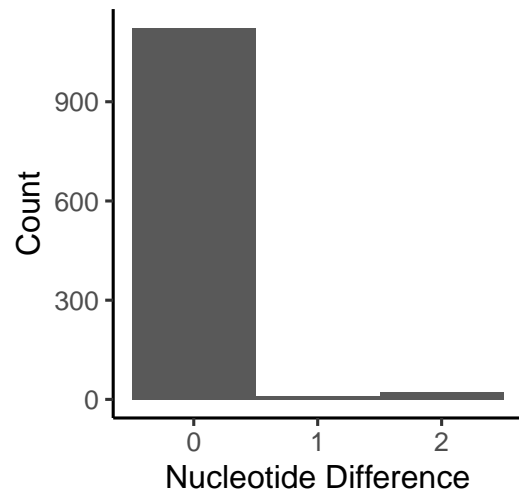
TRBV10-2*ap01

417 sequences assigned
414 (99.3%) exact matches, in which:
413 unique CDR3
14 unique J



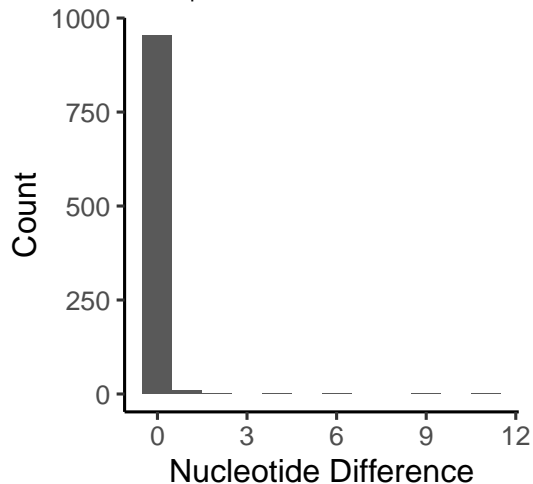
TRBV13*ap01

1157 sequences assigned
1124 (97.1%) exact matches, in which:
1105 unique CDR3
14 unique J



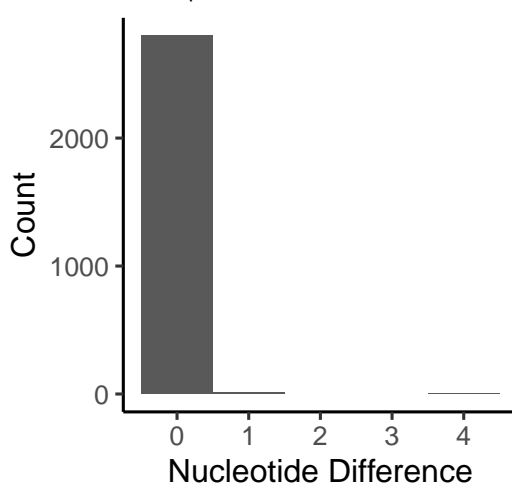
TRBV10-1*ap01

969 sequences assigned
953 (98.3%) exact matches, in which:
945 unique CDR3
14 unique J



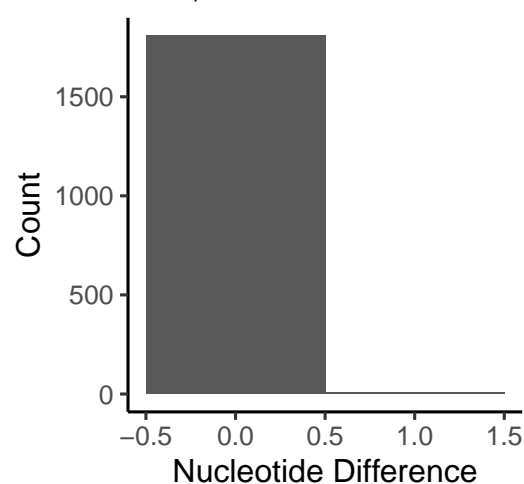
TRBV10-3*ap01

2813 sequences assigned
2800 (99.5%) exact matches, in which:
2776 unique CDR3
14 unique J



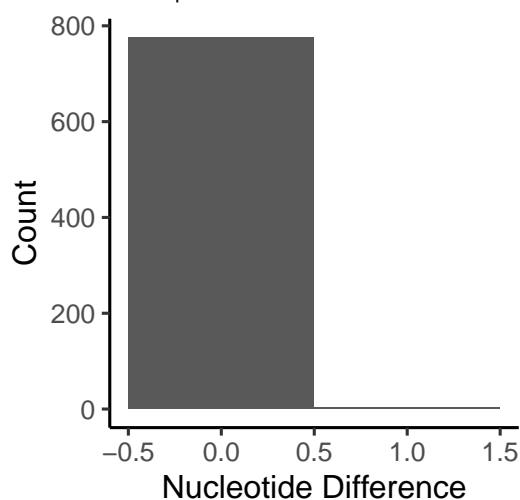
TRBV14*ap01

1815 sequences assigned
1808 (99.6%) exact matches, in which:
1796 unique CDR3
14 unique J



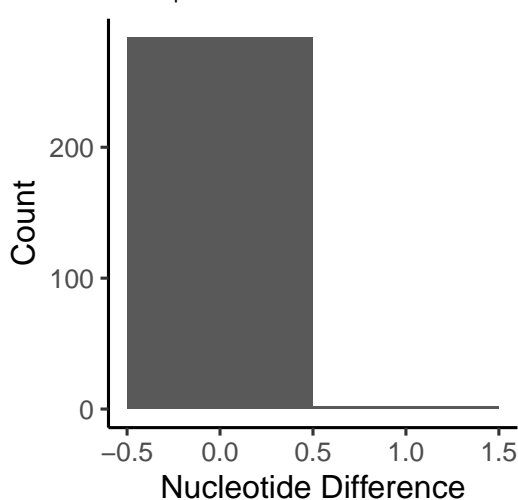
TRBV20-1*ap02

780 sequences assigned
776 (99.5%) exact matches, in which:
770 unique CDR3
14 unique J



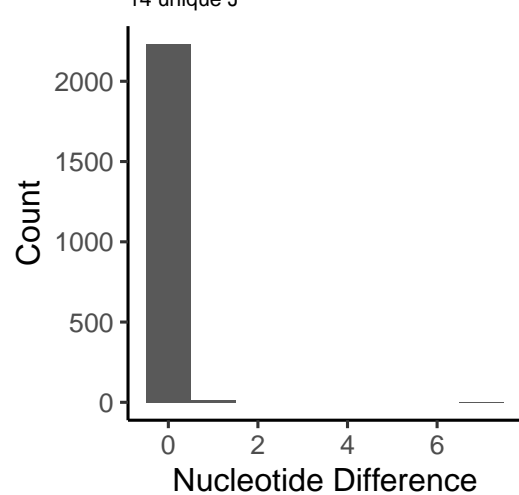
TRBV1*ap01

286 sequences assigned
284 (99.3%) exact matches, in which:
279 unique CDR3
14 unique J



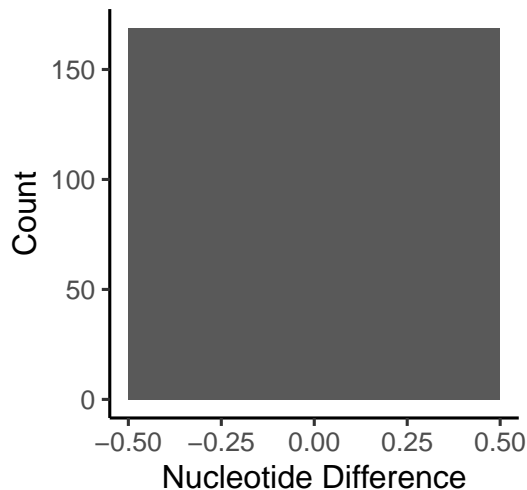
TRBV15*ap02

2246 sequences assigned
2232 (99.4%) exact matches, in which:
2209 unique CDR3
14 unique J



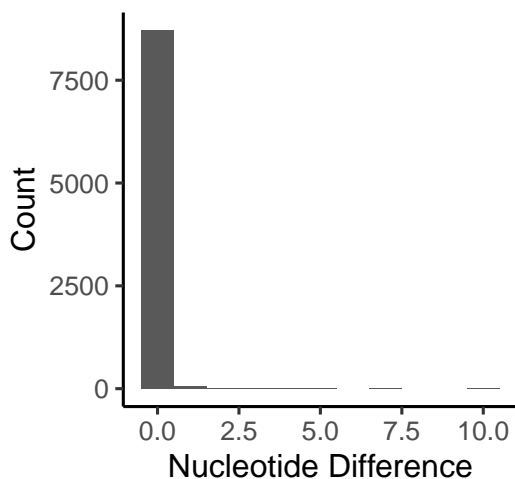
TRBV16*ap01

169 sequences assigned
169 (100%) exact matches, in which:
168 unique CDR3
14 unique J



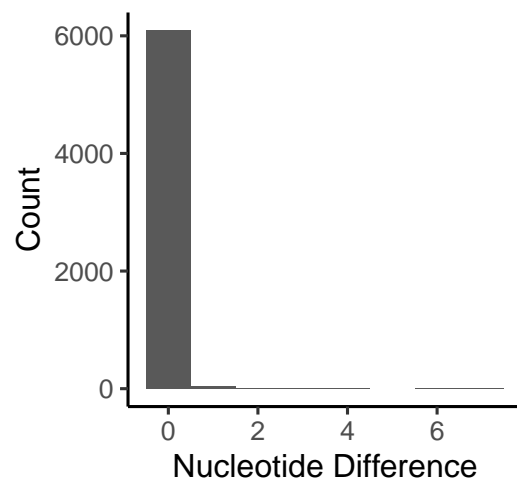
TRBV19*ap01

8778 sequences assigned
8711 (99.2%) exact matches, in which:
8672 unique CDR3
14 unique J



TRBV27*ap01

6145 sequences assigned
6092 (99.1%) exact matches, in which:
6029 unique CDR3
14 unique J



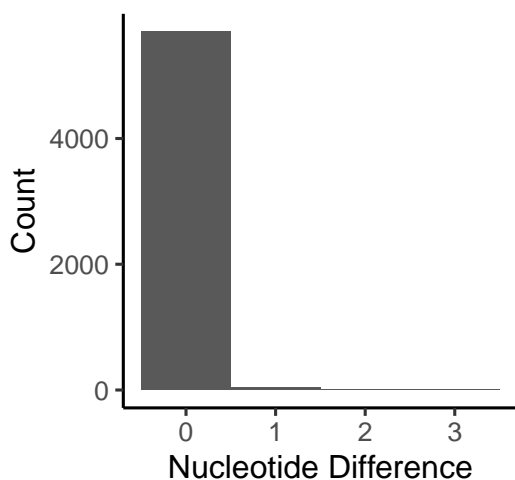
TRBV17*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



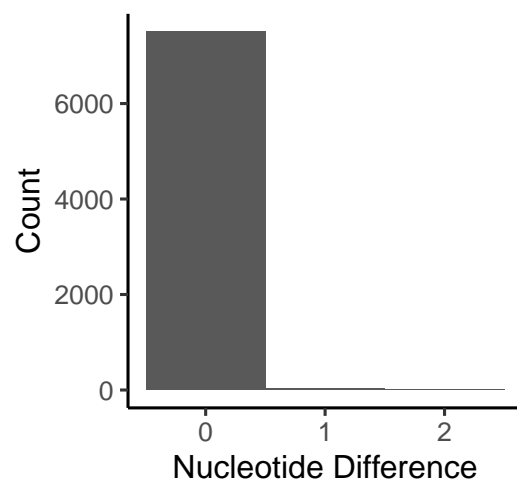
TRBV2*ap01

5738 sequences assigned
5698 (99.3%) exact matches, in which:
5641 unique CDR3
14 unique J



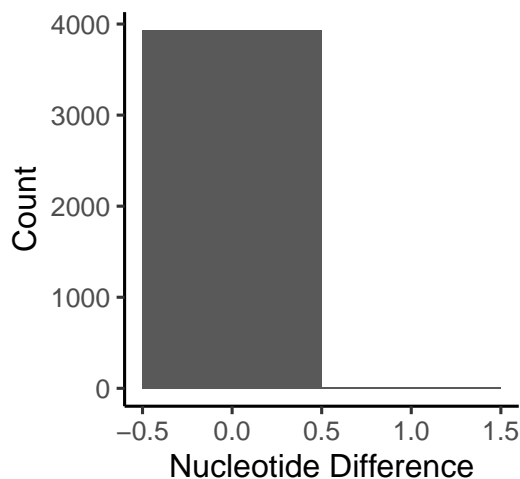
TRBV28*ap01

7540 sequences assigned
7504 (99.5%) exact matches, in which:
7436 unique CDR3
14 unique J



TRBV18*ap01

3948 sequences assigned
3934 (99.6%) exact matches, in which:
3915 unique CDR3
14 unique J



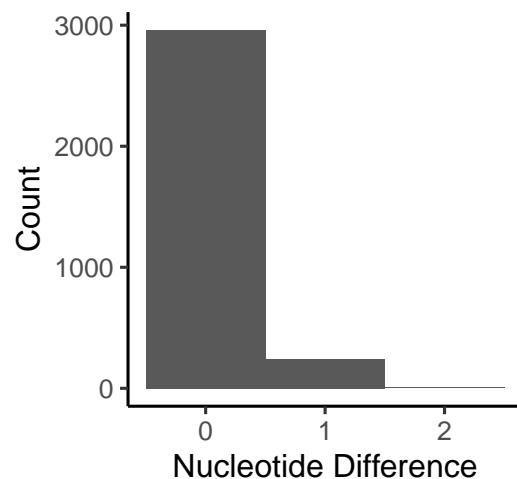
TRBV26*ap01

1 sequences assigned
No exact matches.



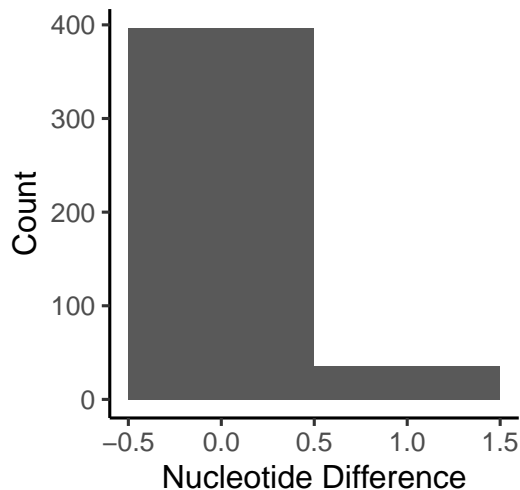
TRBV30*ap01

3210 sequences assigned
2960 (92.2%) exact matches, in which:
2891 unique CDR3
14 unique J



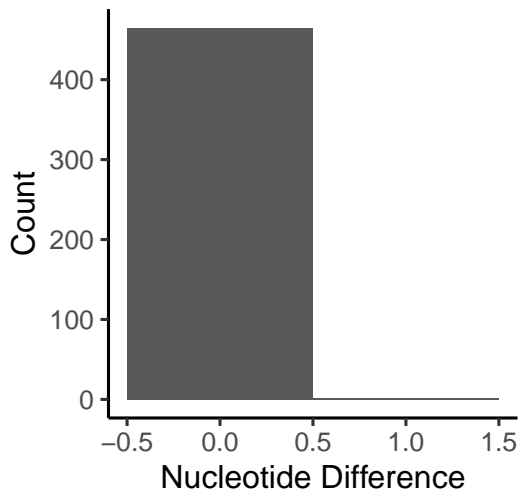
TRBV30*ap03

433 sequences assigned
397 (91.7%) exact matches, in which:
389 unique CDR3
13 unique J



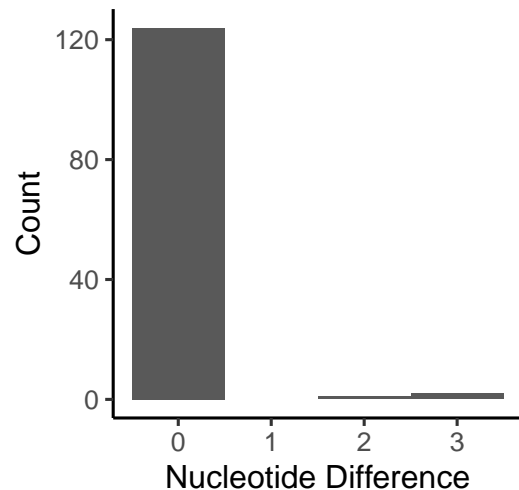
TRBV11-1*ap01

467 sequences assigned
465 (99.6%) exact matches, in which:
463 unique CDR3
14 unique J



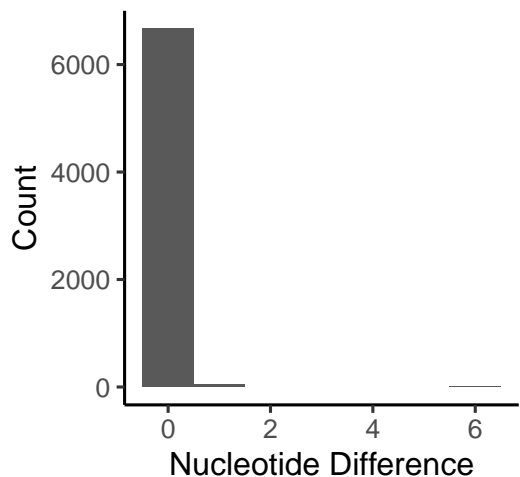
TRBV12-1*ap01

127 sequences assigned
124 (97.6%) exact matches, in which:
123 unique CDR3
14 unique J



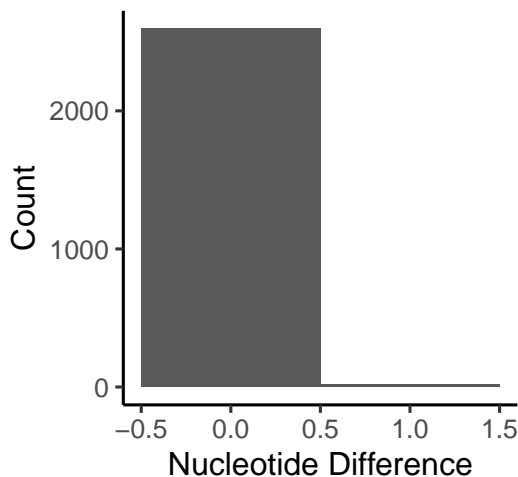
TRBV9*ap01

6709 sequences assigned
6667 (99.4%) exact matches, in which:
6628 unique CDR3
14 unique J



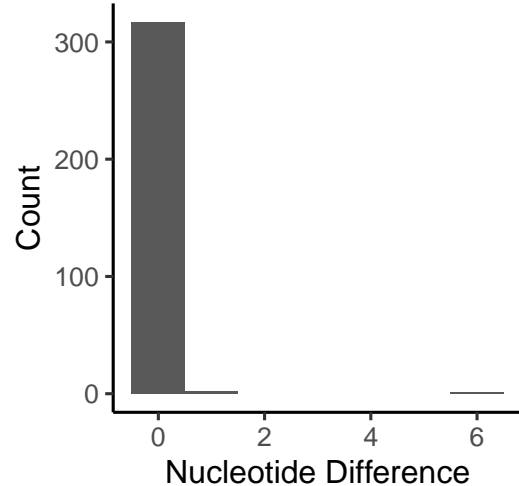
TRBV11-2*ap01

2611 sequences assigned
2595 (99.4%) exact matches, in which:
2585 unique CDR3
14 unique J



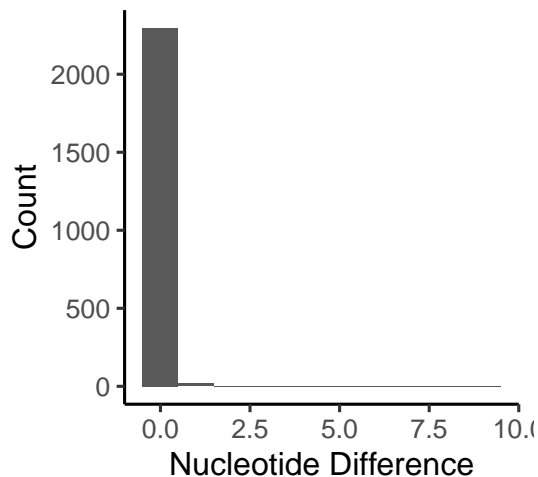
TRBV12-2*ap01

320 sequences assigned
317 (99.1%) exact matches, in which:
312 unique CDR3
14 unique J



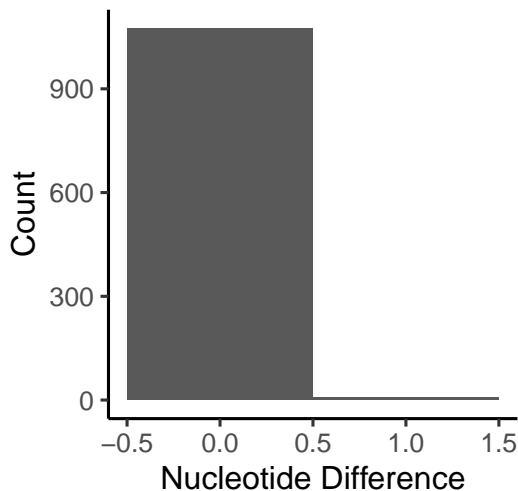
TRBV21-1*ap01

2333 sequences assigned
2296 (98.4%) exact matches, in which:
2276 unique CDR3
14 unique J



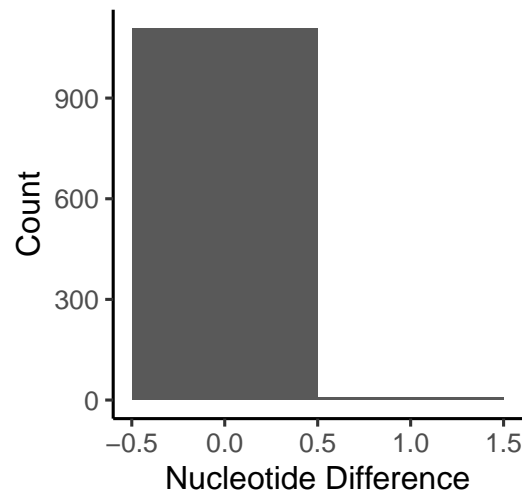
TRBV11-3*ap01

1083 sequences assigned
1075 (99.3%) exact matches, in which:
1070 unique CDR3
14 unique J



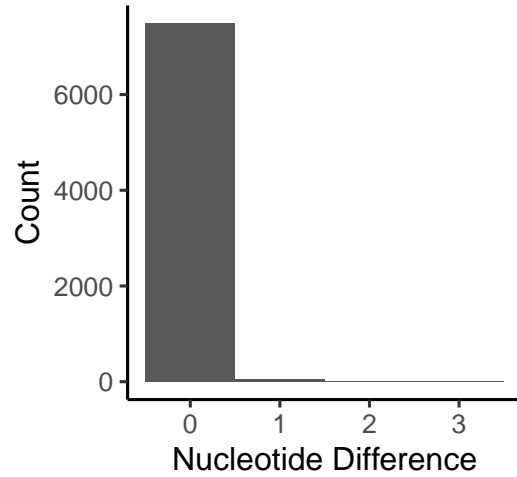
TRBV12-5*ap01

1115 sequences assigned
1108 (99.4%) exact matches, in which:
1096 unique CDR3
14 unique J



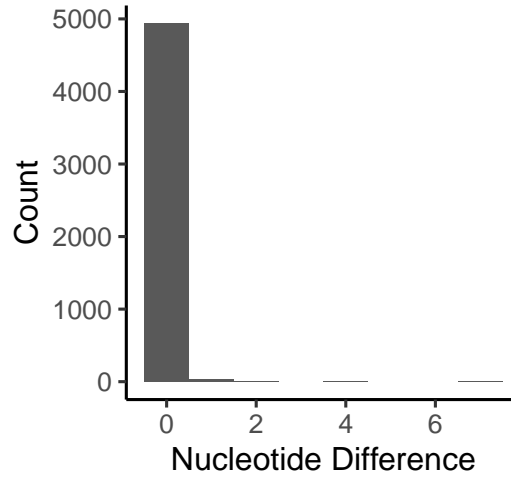
TRBV12-34*ap01

7557 sequences assigned
7487 (99.1%) exact matches, in which:
7421 unique CDR3
14 unique J



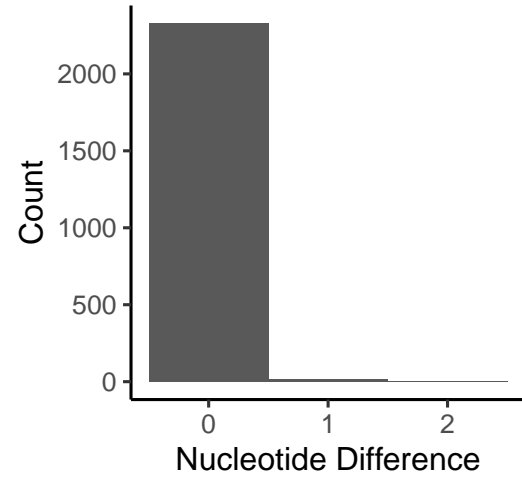
TRBV4-1*ap01

4982 sequences assigned
4938 (99.1%) exact matches, in which:
4890 unique CDR3
14 unique J



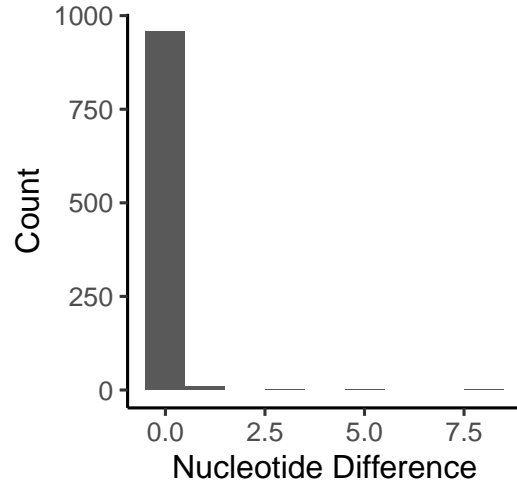
TRBV4-3*ap01

2346 sequences assigned
2328 (99.2%) exact matches, in which:
2291 unique CDR3
14 unique J



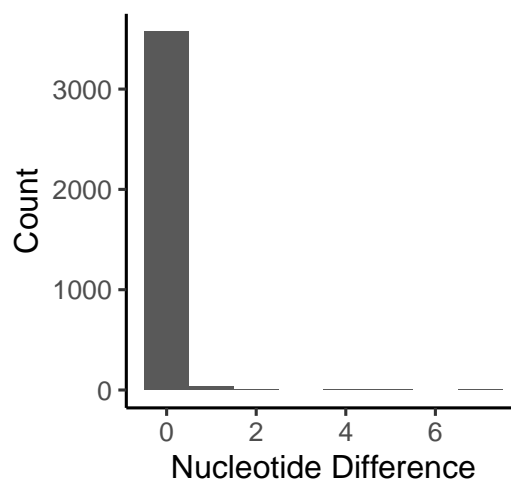
TRBV23-1*ap01

970 sequences assigned
957 (98.7%) exact matches, in which:
951 unique CDR3
14 unique J



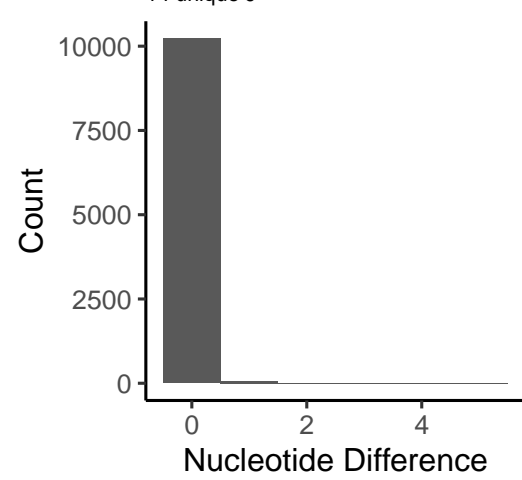
TRBV24-1*ap01

3615 sequences assigned
3572 (98.8%) exact matches, in which:
3530 unique CDR3
14 unique J



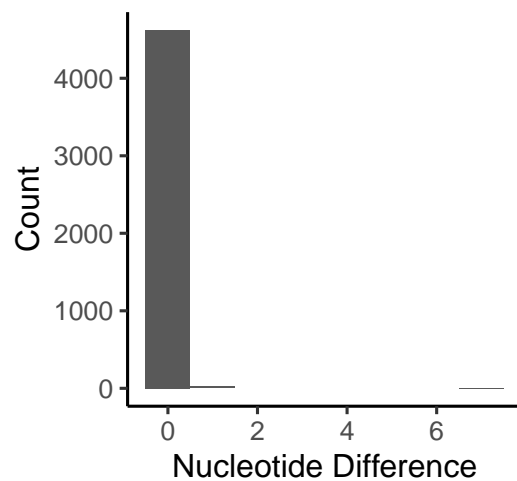
TRBV5-1*ap01

10305 sequences assigned
10229 (99.3%) exact matches, in which:
10112 unique CDR3
14 unique J



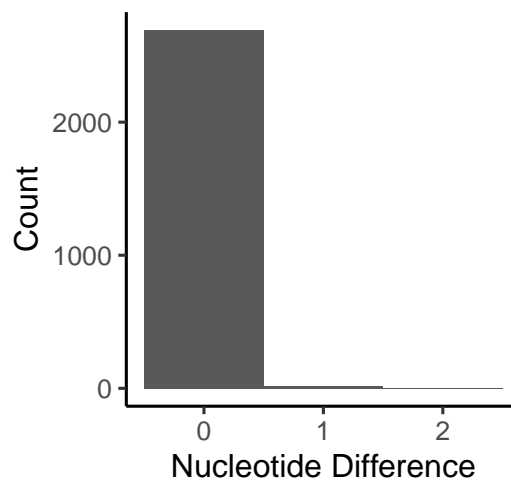
TRBV3-12*ap01

4645 sequences assigned
4622 (99.5%) exact matches, in which:
4603 unique CDR3
14 unique J



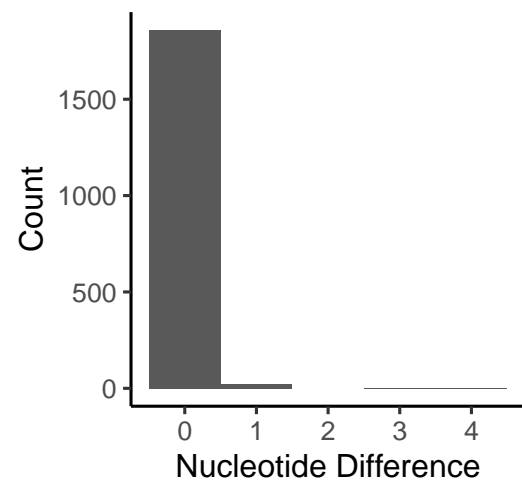
TRBV4-2*ap01

2710 sequences assigned
2692 (99.3%) exact matches, in which:
2662 unique CDR3
14 unique J



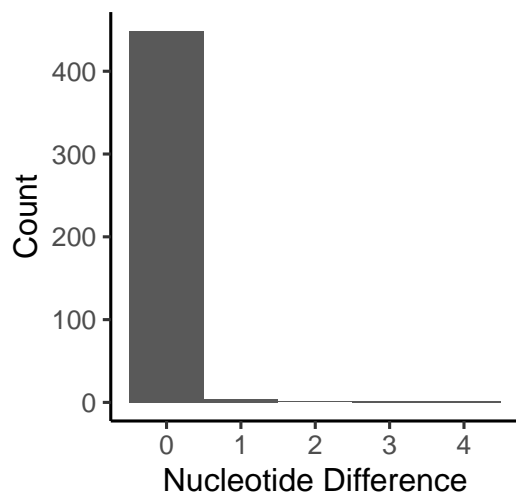
TRBV25-1*ap01

1884 sequences assigned
1859 (98.7%) exact matches, in which:
1824 unique CDR3
14 unique J



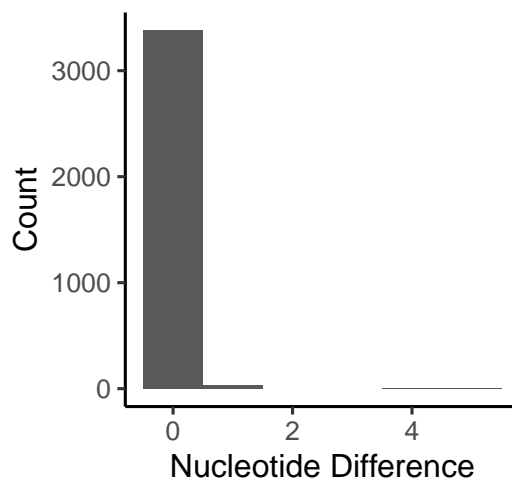
TRBV5-3*ap01

458 sequences assigned
449 (98%) exact matches, in which:
446 unique CDR3
14 unique J



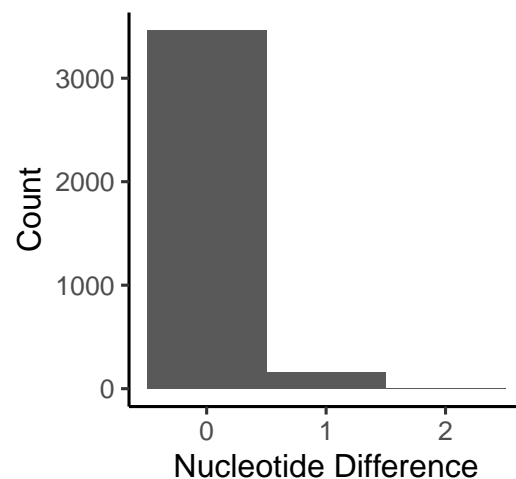
TRBV5-6*ap01

3418 sequences assigned
3380 (98.9%) exact matches, in which:
3302 unique CDR3
14 unique J



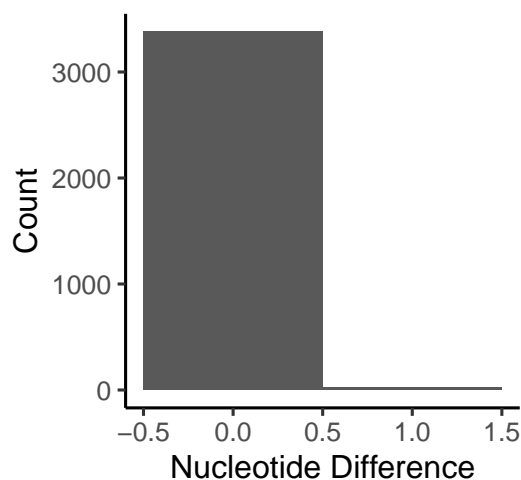
TRBV6-1*ap01

3621 sequences assigned
3462 (95.6%) exact matches, in which:
3413 unique CDR3
14 unique J



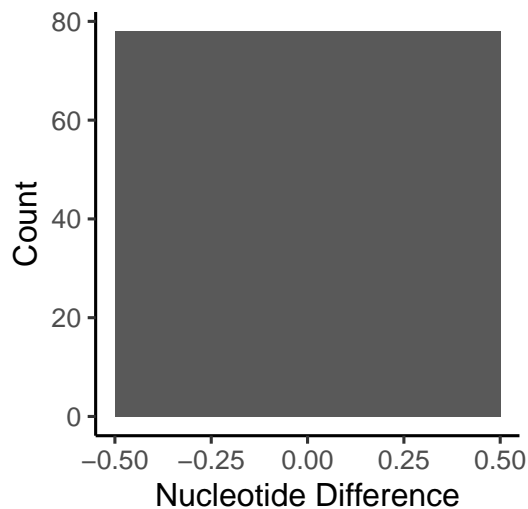
TRBV5-4*ap01

3408 sequences assigned
3380 (99.2%) exact matches, in which:
3339 unique CDR3
14 unique J



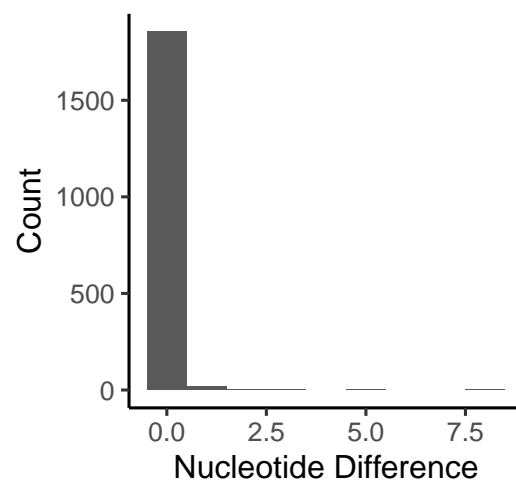
TRBV5-7*ap01

78 sequences assigned
78 (100%) exact matches, in which:
76 unique CDR3
14 unique J



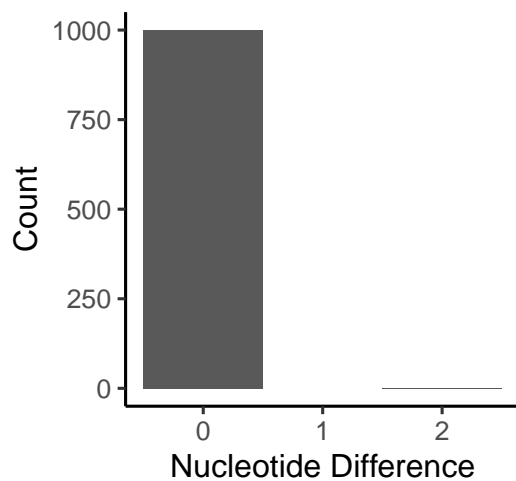
TRBV6-4*ap01

1880 sequences assigned
1855 (98.7%) exact matches, in which:
1838 unique CDR3
14 unique J



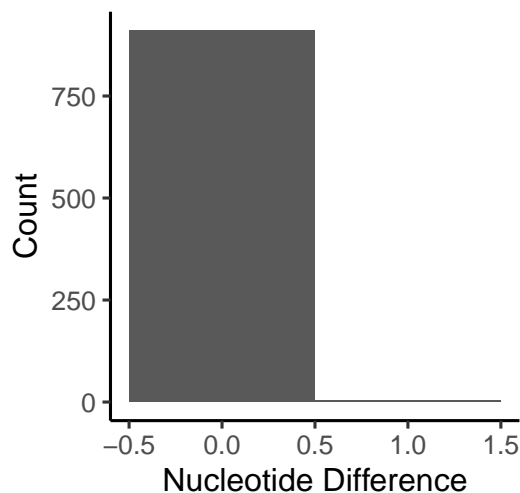
TRBV5-5*ap01

1001 sequences assigned
1000 (99.9%) exact matches, in which:
993 unique CDR3
14 unique J



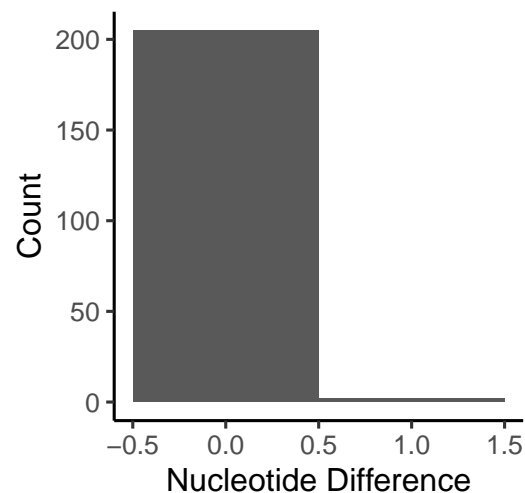
TRBV5-8*ap01

914 sequences assigned
911 (99.7%) exact matches, in which:
902 unique CDR3
14 unique J



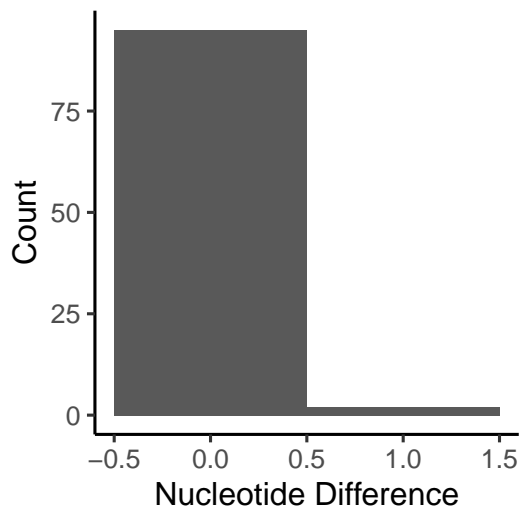
TRBV6-7*ap01

207 sequences assigned
205 (99%) exact matches, in which:
198 unique CDR3
14 unique J



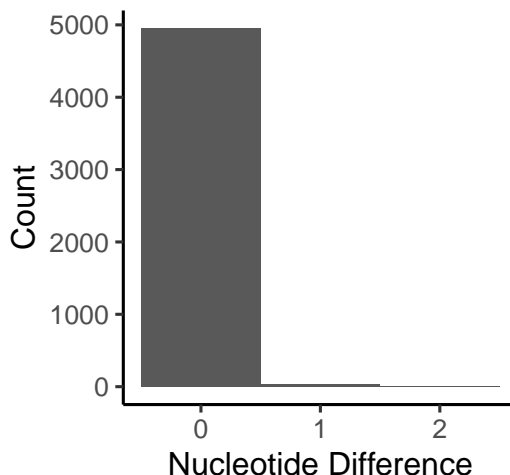
TRBV6–8*ap01

97 sequences assigned
95 (97.9%) exact matches, in which:
95 unique CDR3
14 unique J



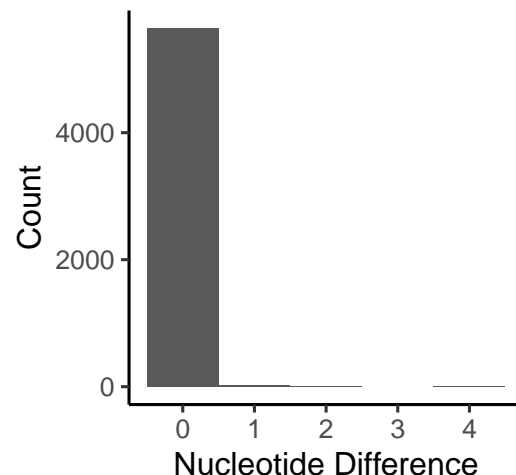
TRBV6–56*ap01

4996 sequences assigned
4951 (99.1%) exact matches, in which:
4863 unique CDR3
14 unique J



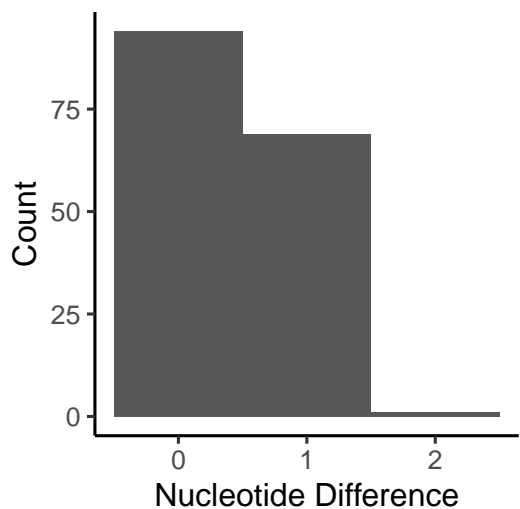
TRBV7–2*ap01

5675 sequences assigned
5642 (99.4%) exact matches, in which:
5590 unique CDR3
14 unique J



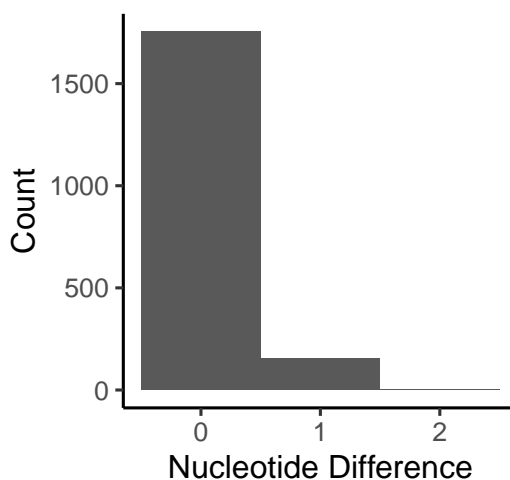
TRBV6–9*ap01

164 sequences assigned
94 (57.3%) exact matches, in which:
89 unique CDR3
13 unique J



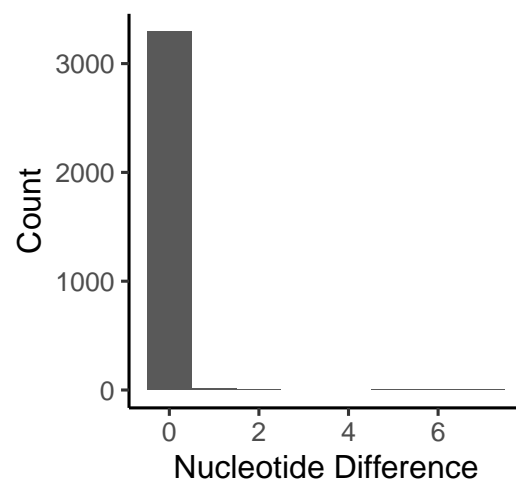
TRBV6–56*ap02

1910 sequences assigned
1754 (91.8%) exact matches, in which:
1730 unique CDR3
14 unique J



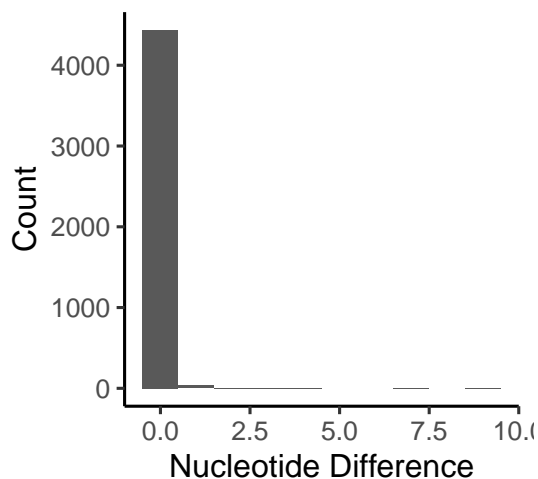
TRBV7–3*ap01

3308 sequences assigned
3293 (99.5%) exact matches, in which:
3264 unique CDR3
14 unique J



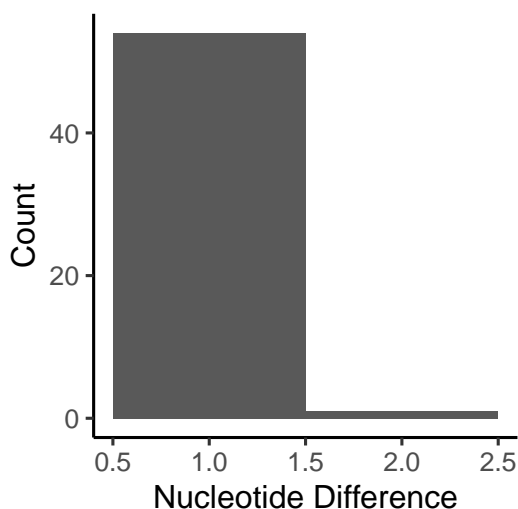
TRBV6–23*ap01

4477 sequences assigned
4436 (99.1%) exact matches, in which:
4341 unique CDR3
14 unique J



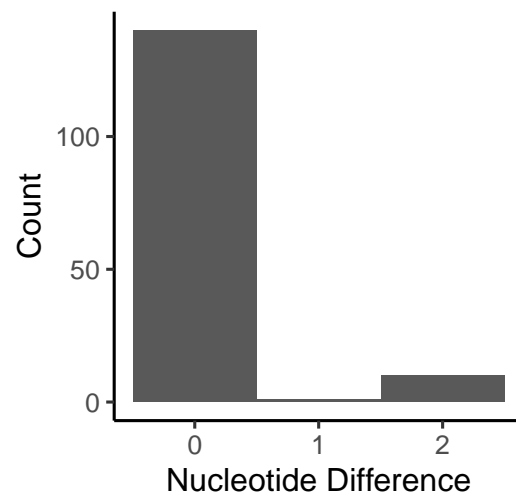
TRBV7–1*ap01_T296C

55 sequences assigned
No exact matches.



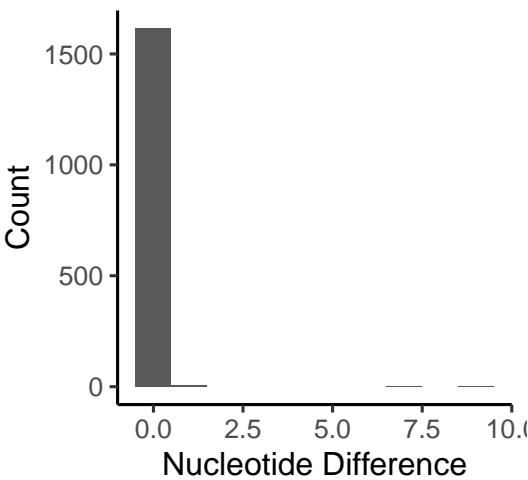
TRBV7–4*ap01

151 sequences assigned
140 (92.7%) exact matches, in which:
140 unique CDR3
14 unique J



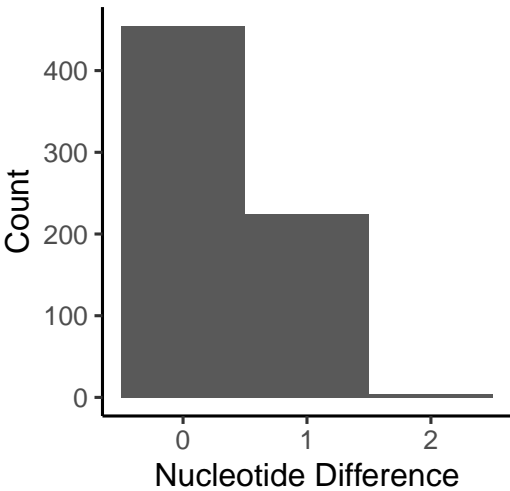
TRBV7-6*ap01

1623 sequences assigned
1615 (99.5%) exact matches, in which:
1607 unique CDR3
14 unique J



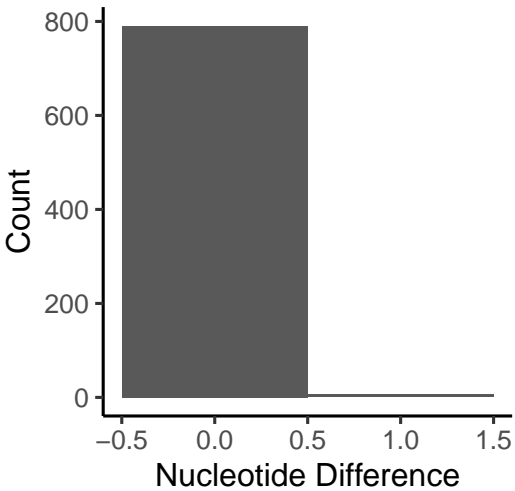
TRBV7-8*ap03

683 sequences assigned
455 (66.6%) exact matches, in which:
454 unique CDR3
14 unique J



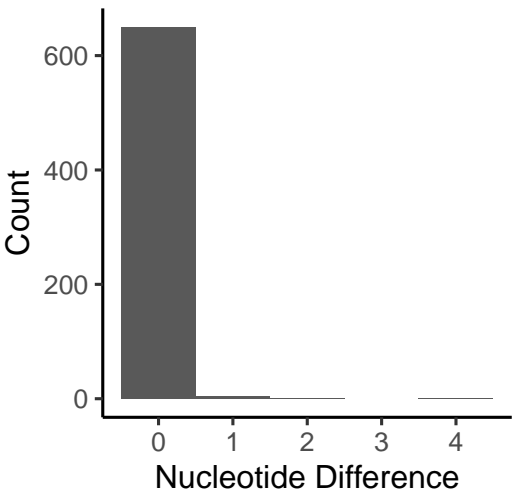
TRBV29-1*ap02

797 sequences assigned
791 (99.2%) exact matches, in which:
778 unique CDR3
14 unique J



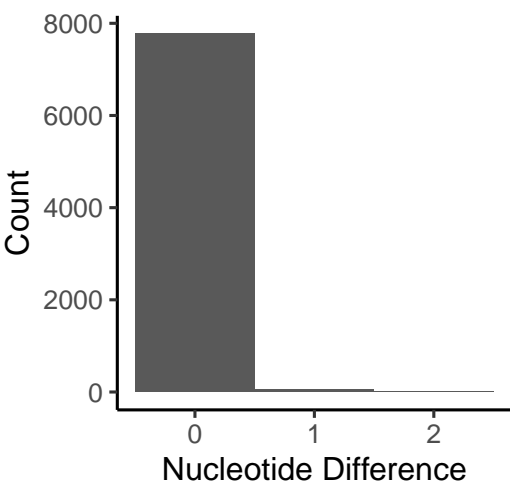
TRBV7-7*ap01_C315T

656 sequences assigned
650 (99.1%) exact matches, in which:
642 unique CDR3
14 unique J



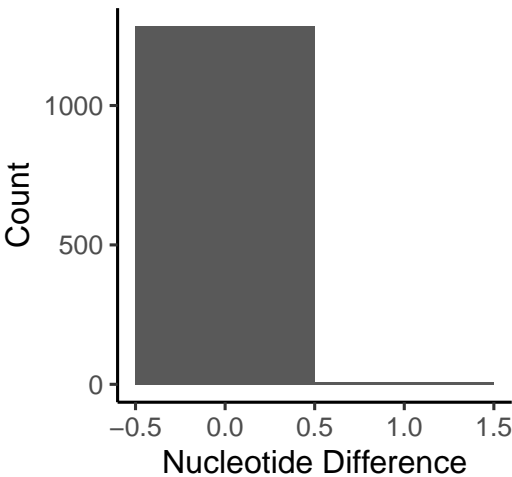
TRBV7-9*ap01

7822 sequences assigned
7774 (99.4%) exact matches, in which:
7721 unique CDR3
14 unique J



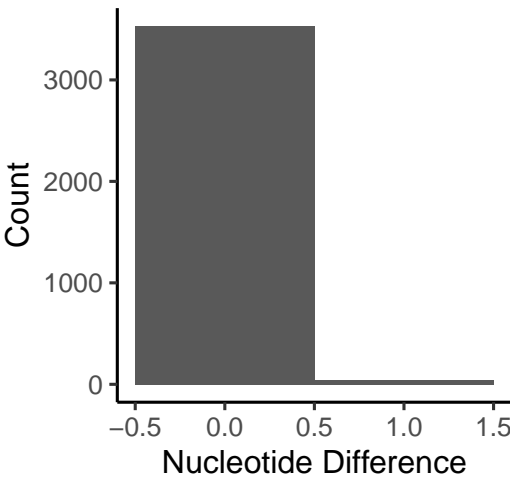
TRBV7-8*ap01

1294 sequences assigned
1285 (99.3%) exact matches, in which:
1274 unique CDR3
14 unique J

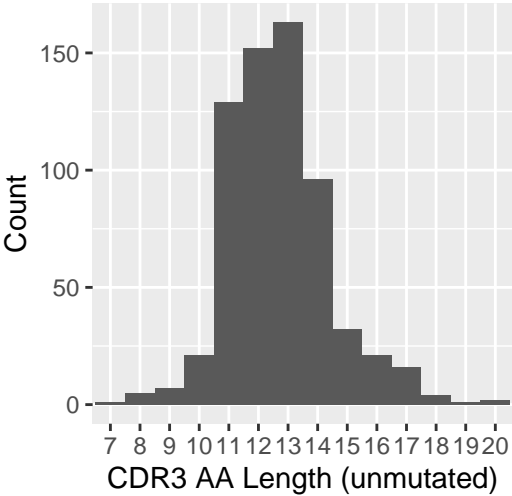


TRBV29-1*ap01

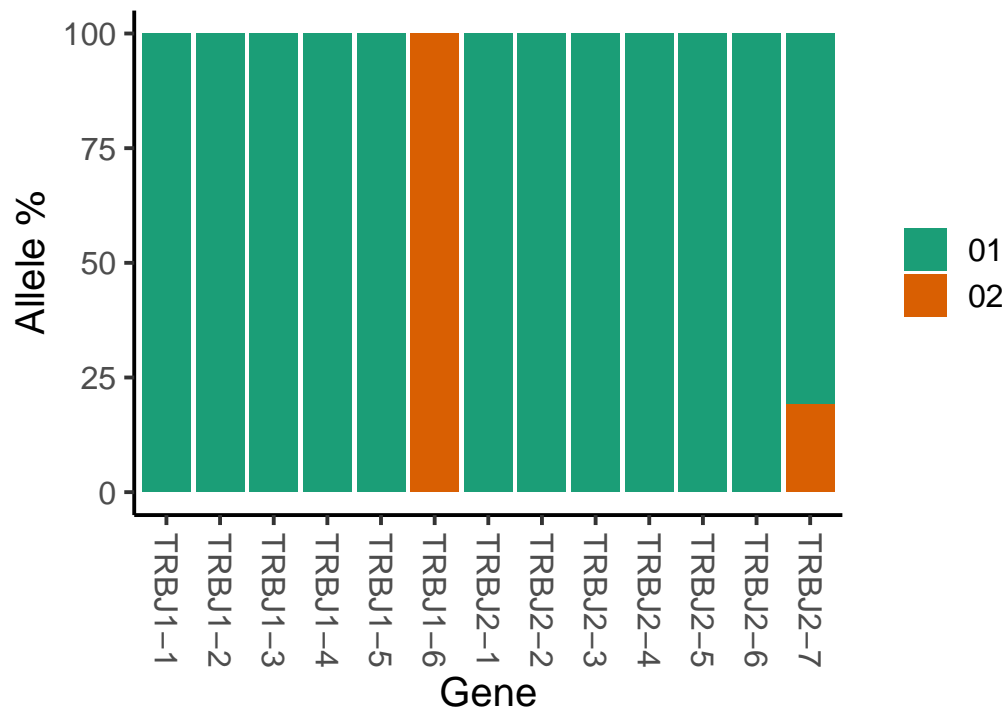
3573 sequences assigned
3531 (98.8%) exact matches, in which:
3476 unique CDR3
14 unique J



TRBV7-7*ap01_C315T



Allele Usage



[illegible]