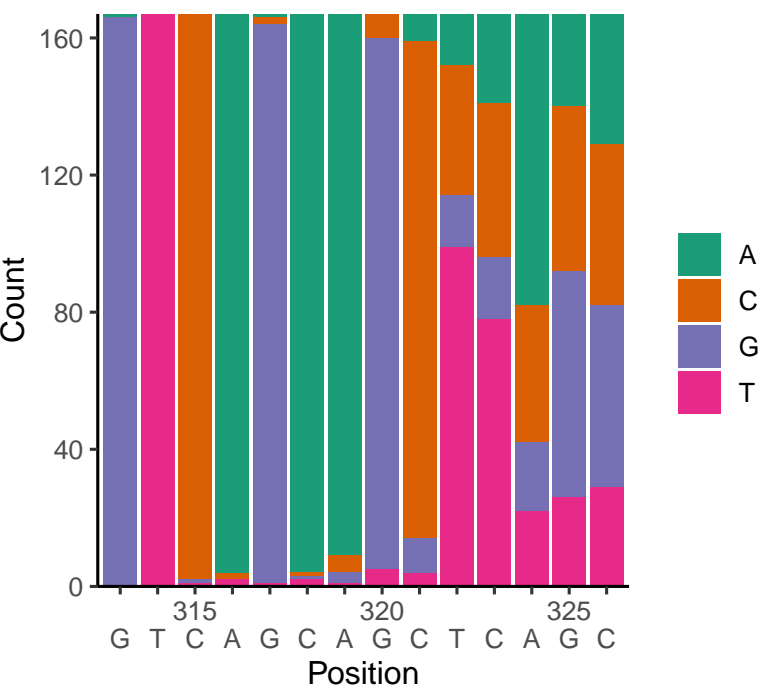
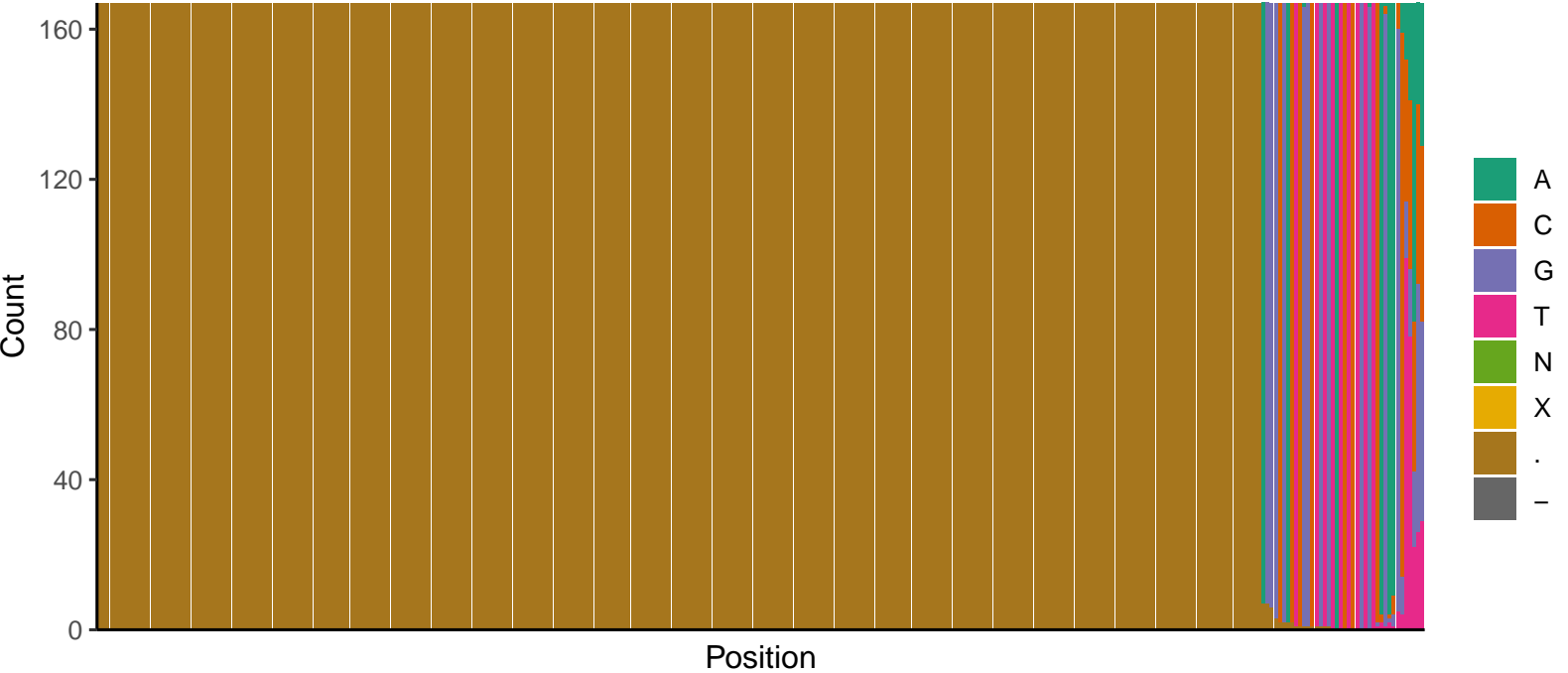


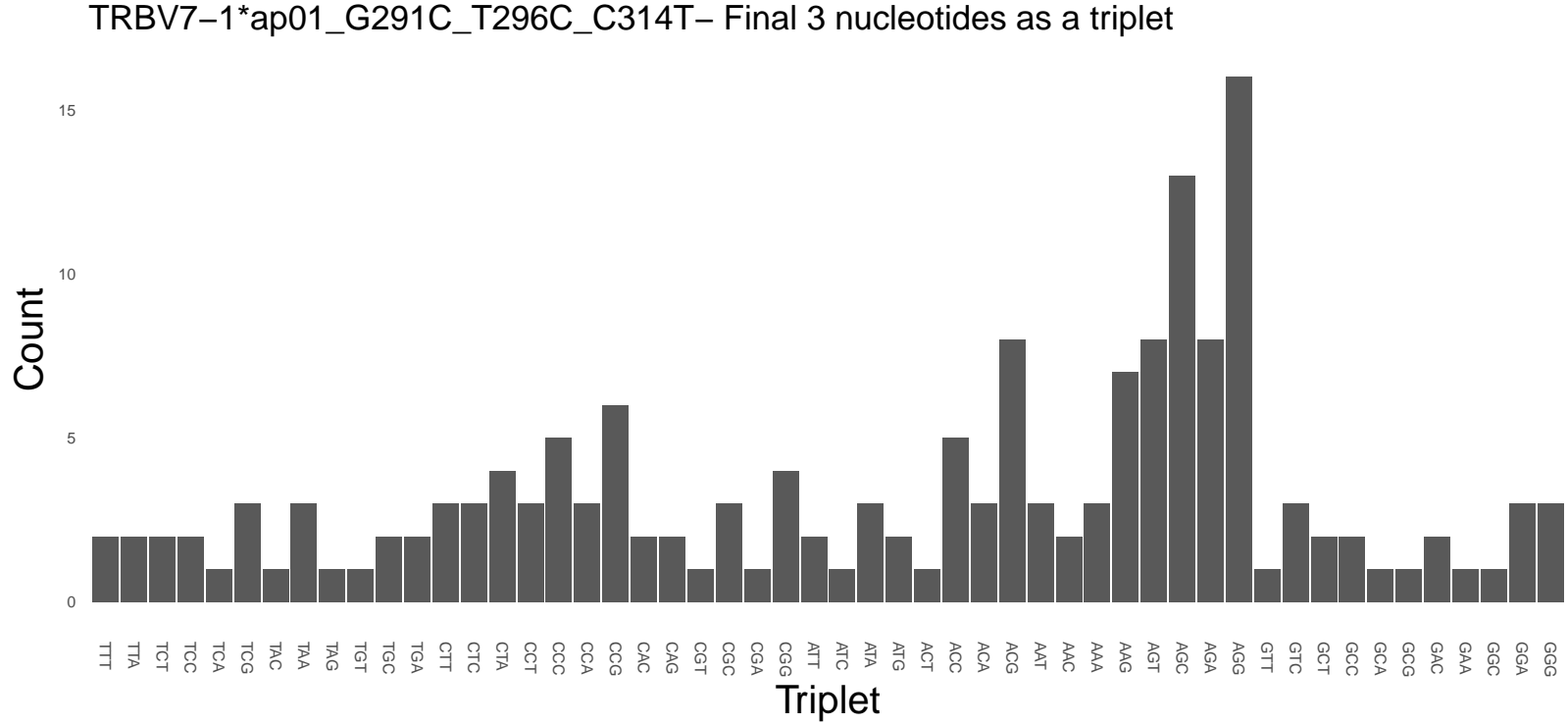
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

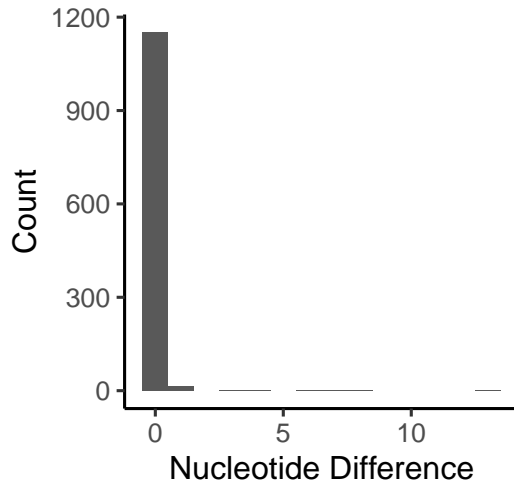


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



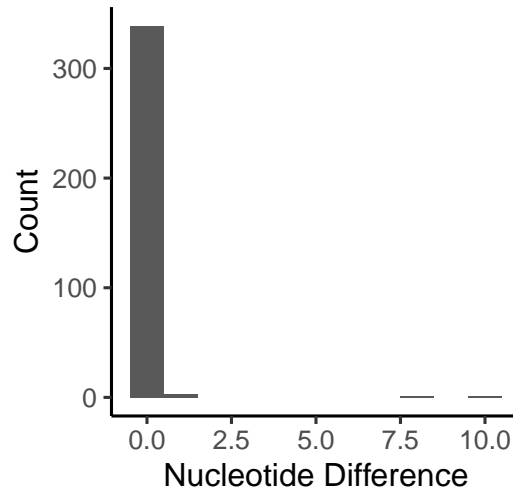
TRBV10-1*ap01

1170 sequences assigned
1151 (98.4%) exact matches, in which:
1127 unique CDR3
13 unique J



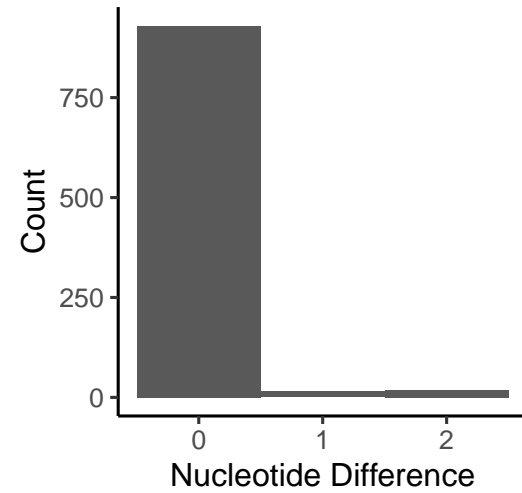
TRBV10-2*ap01

344 sequences assigned
339 (98.5%) exact matches, in which:
333 unique CDR3
13 unique J



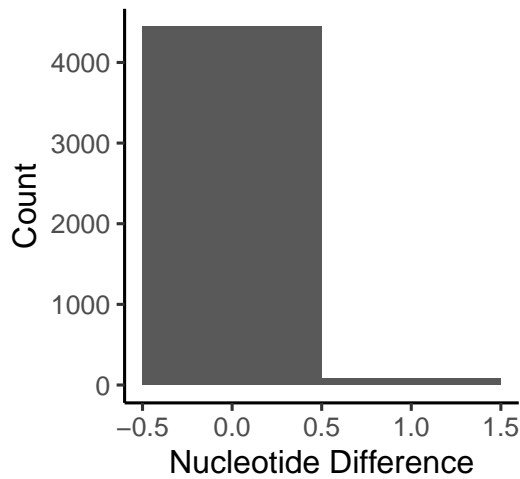
TRBV13*ap01

963 sequences assigned
930 (96.6%) exact matches, in which:
903 unique CDR3
13 unique J



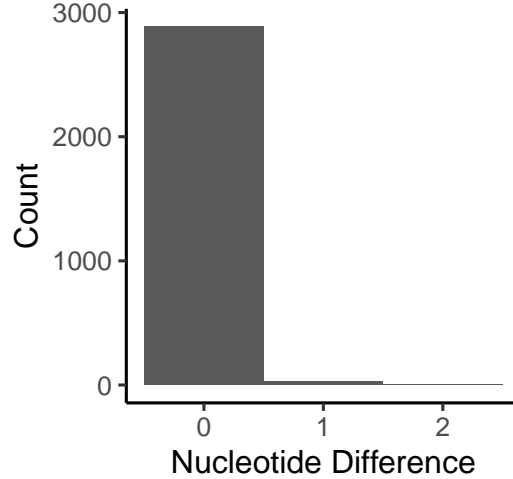
TRBV20-1*ap01

4520 sequences assigned
4443 (98.3%) exact matches, in which:
4345 unique CDR3
13 unique J



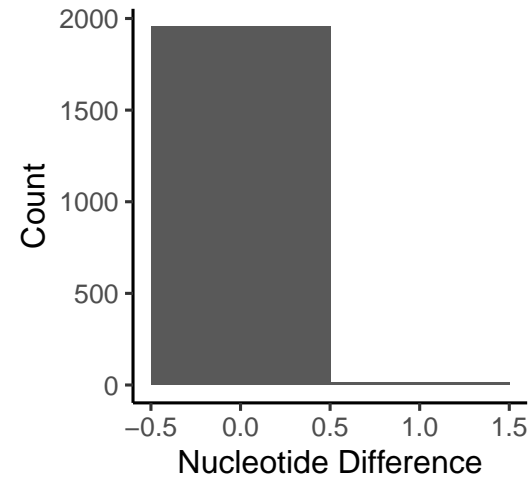
TRBV10-3*ap01

2919 sequences assigned
2886 (98.9%) exact matches, in which:
2830 unique CDR3
13 unique J



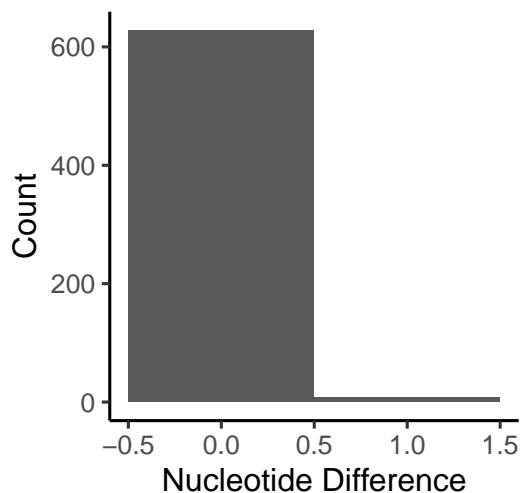
TRBV14*ap01

1967 sequences assigned
1955 (99.4%) exact matches, in which:
1909 unique CDR3
13 unique J



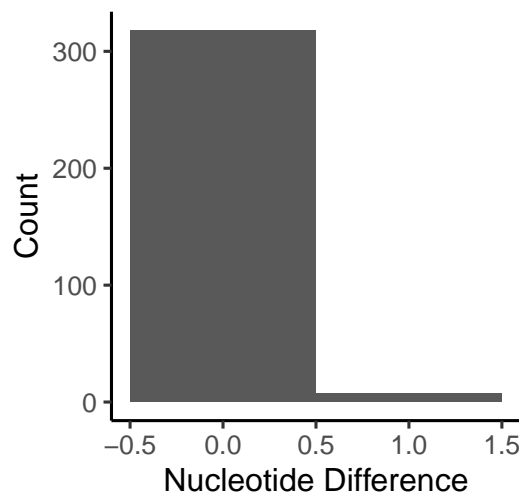
TRBV20-1*ap02

635 sequences assigned
628 (98.9%) exact matches, in which:
611 unique CDR3
13 unique J



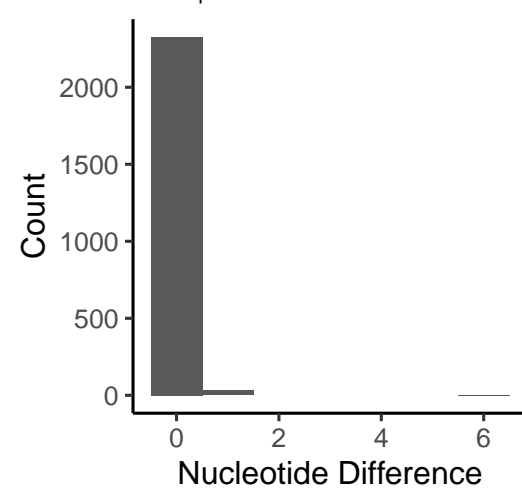
TRBV1*ap01

325 sequences assigned
318 (97.8%) exact matches, in which:
307 unique CDR3
13 unique J



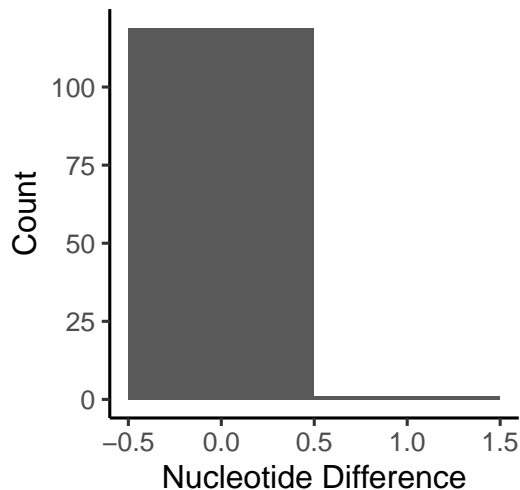
TRBV15*ap02

2358 sequences assigned
2326 (98.6%) exact matches, in which:
2257 unique CDR3
13 unique J



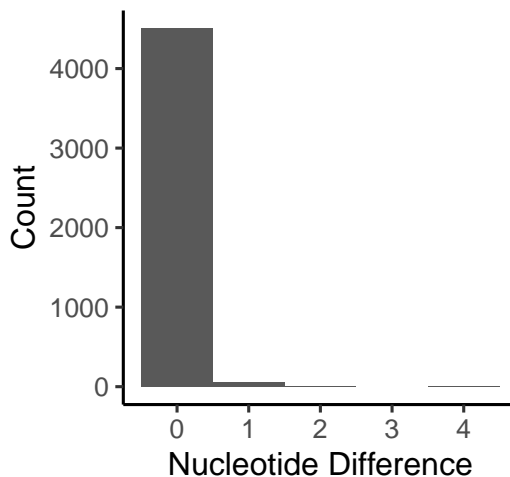
TRBV16*ap01

120 sequences assigned
119 (99.2%) exact matches, in which:
117 unique CDR3
12 unique J



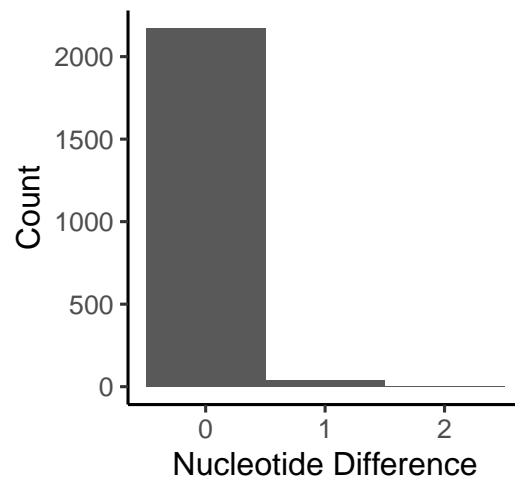
TRBV2*ap01

4560 sequences assigned
4505 (98.8%) exact matches, in which:
4376 unique CDR3
13 unique J



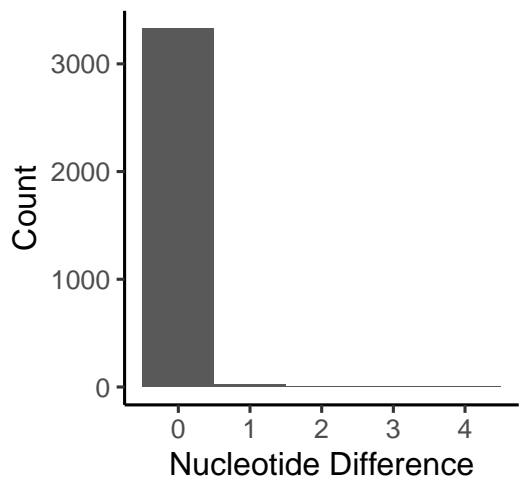
TRBV30*ap01

2212 sequences assigned
2171 (98.1%) exact matches, in which:
2123 unique CDR3
13 unique J



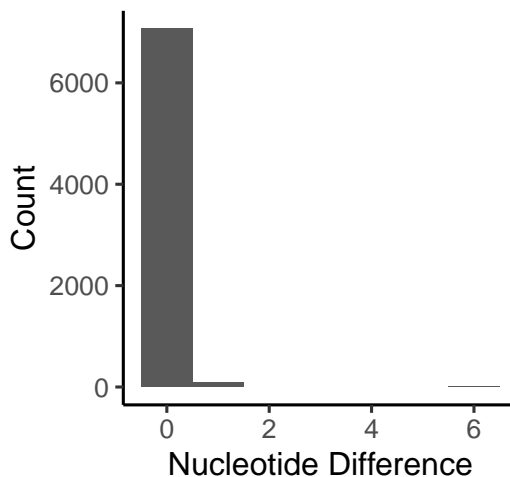
TRBV18*ap01

3352 sequences assigned
3326 (99.2%) exact matches, in which:
3276 unique CDR3
13 unique J



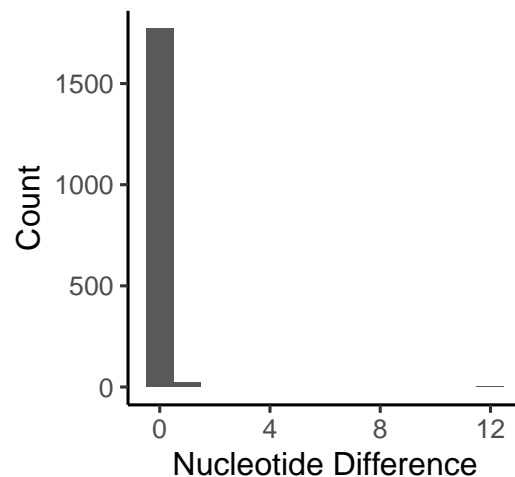
TRBV27*ap01

7165 sequences assigned
7068 (98.6%) exact matches, in which:
6876 unique CDR3
13 unique J



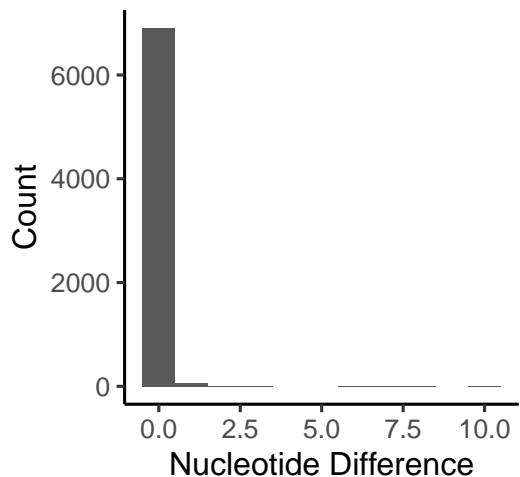
TRBV30*ap02

1795 sequences assigned
1771 (98.7%) exact matches, in which:
1734 unique CDR3
13 unique J



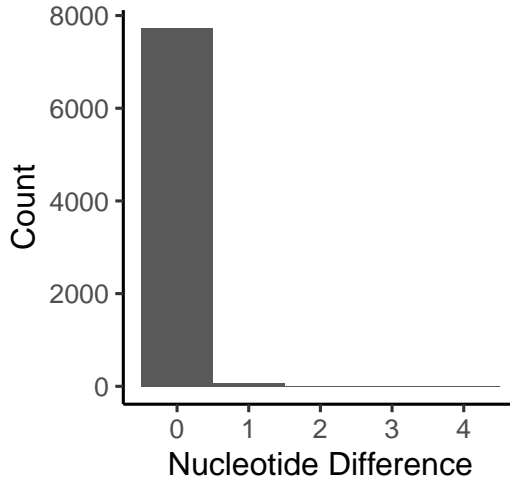
TRBV19*ap01

6978 sequences assigned
6905 (99%) exact matches, in which:
6810 unique CDR3
13 unique J



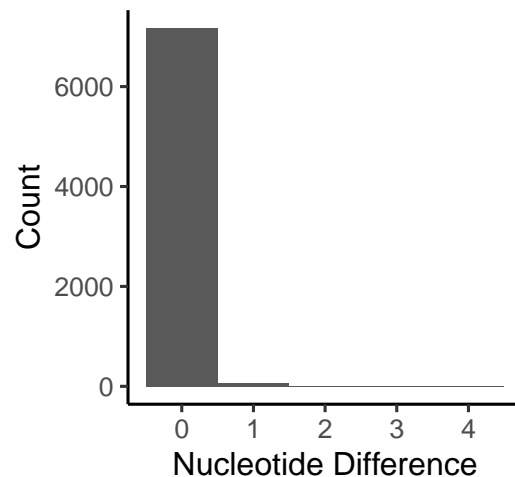
TRBV28*ap01

7811 sequences assigned
7730 (99%) exact matches, in which:
7571 unique CDR3
13 unique J



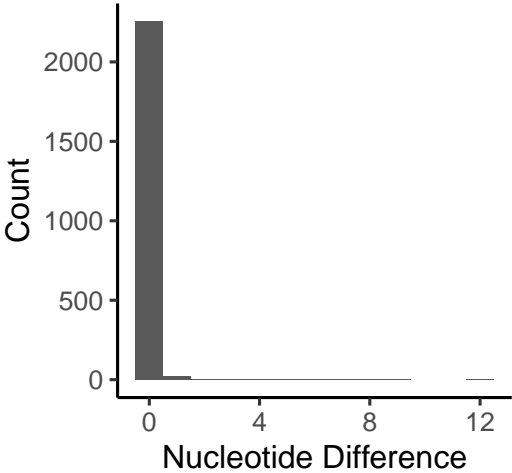
TRBV9*ap01

7250 sequences assigned
7172 (98.9%) exact matches, in which:
6999 unique CDR3
13 unique J



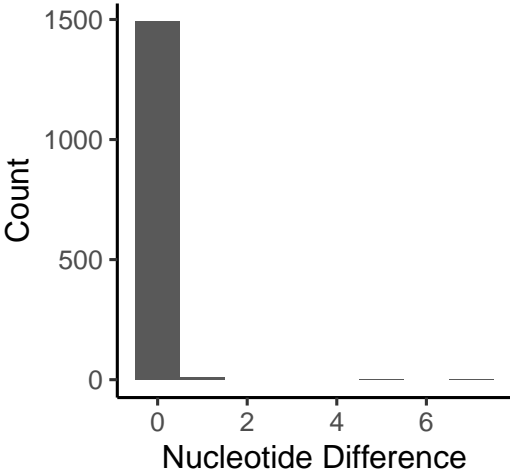
TRBV21-1*ap01

2297 sequences assigned
2255 (98.2%) exact matches, in which:
2217 unique CDR3
13 unique J



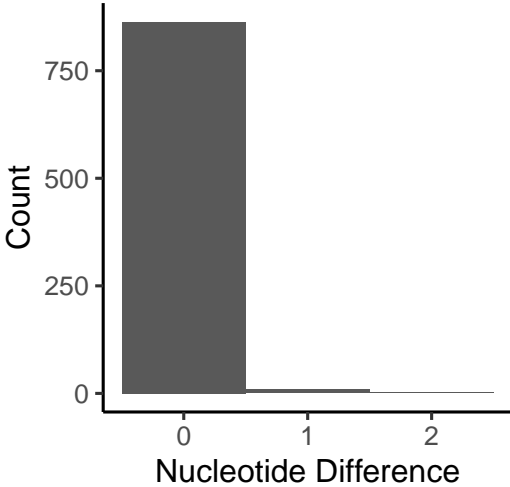
TRBV11-3*ap01

1506 sequences assigned
1492 (99.1%) exact matches, in which:
1457 unique CDR3
13 unique J



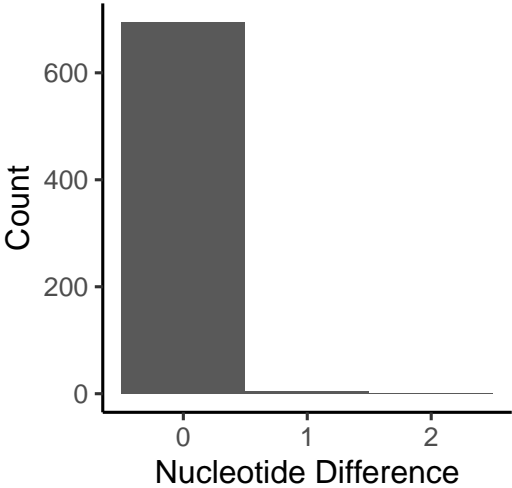
TRBV12-5*ap01

875 sequences assigned
864 (98.7%) exact matches, in which:
841 unique CDR3
13 unique J



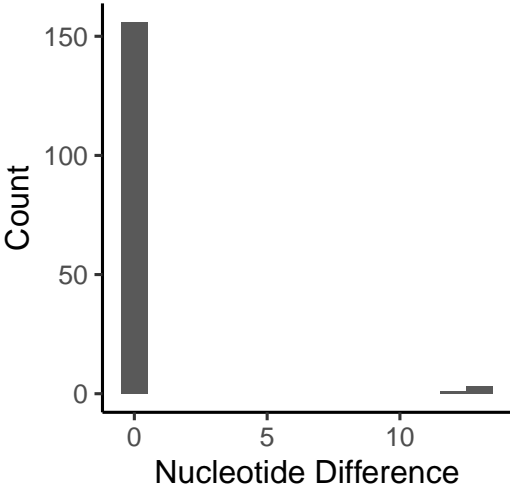
TRBV11-1*ap01

701 sequences assigned
695 (99.1%) exact matches, in which:
688 unique CDR3
13 unique J



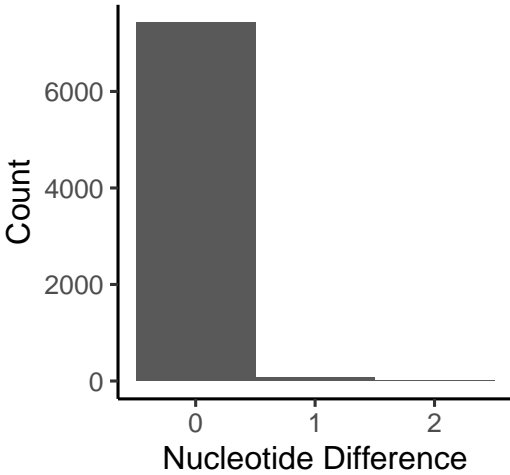
TRBV12-1*ap01

160 sequences assigned
156 (97.5%) exact matches, in which:
155 unique CDR3
13 unique J



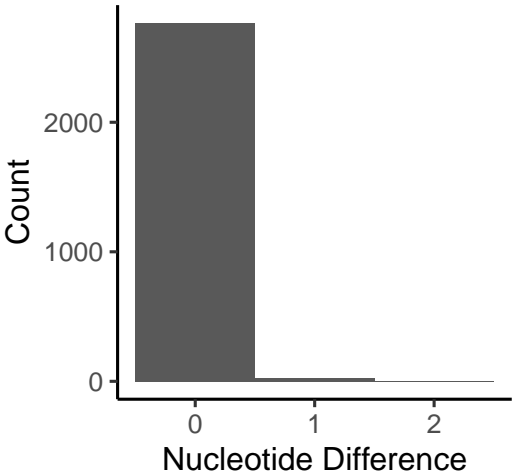
TRBV12-34*ap01

7509 sequences assigned
7424 (98.9%) exact matches, in which:
7268 unique CDR3
13 unique J



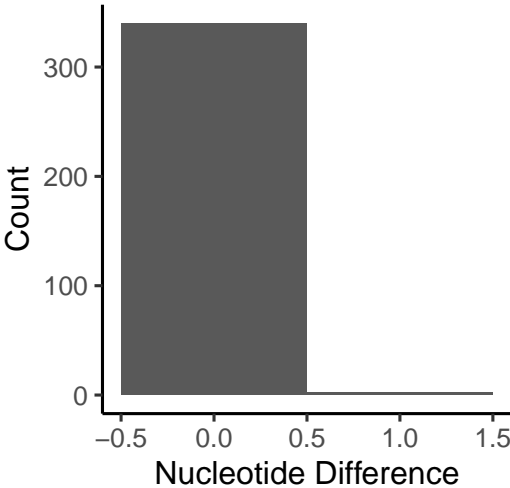
TRBV11-2*ap01

2791 sequences assigned
2766 (99.1%) exact matches, in which:
2715 unique CDR3
13 unique J



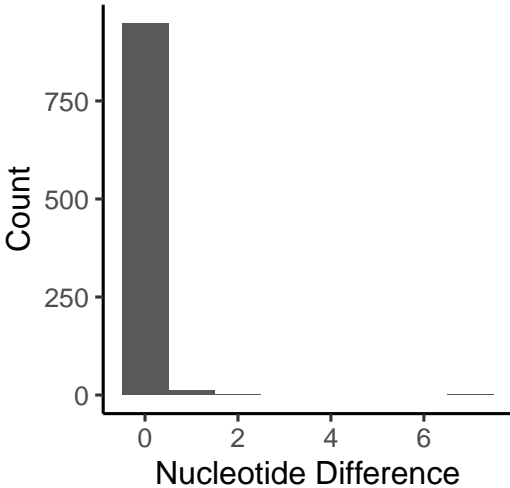
TRBV12-2*ap01

342 sequences assigned
340 (99.4%) exact matches, in which:
334 unique CDR3
13 unique J



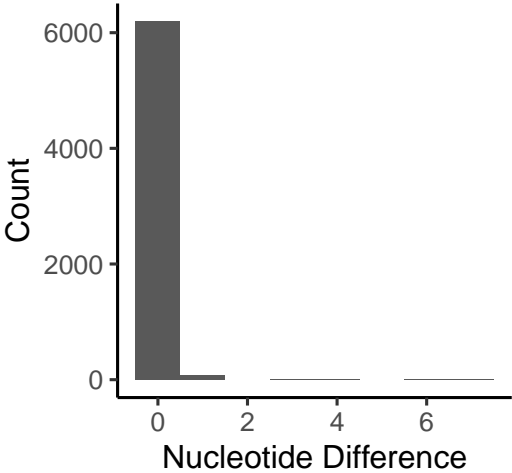
TRBV23-1*ap01

962 sequences assigned
948 (98.5%) exact matches, in which:
925 unique CDR3
13 unique J



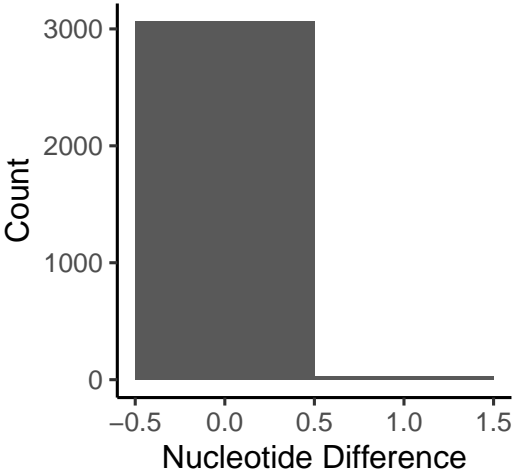
TRBV3-12*ap01

6278 sequences assigned
6195 (98.7%) exact matches, in which:
6045 unique CDR3
13 unique J



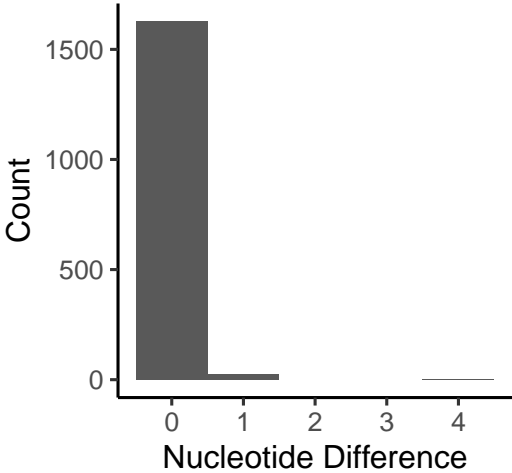
TRBV4-2*ap01

3095 sequences assigned
3064 (99%) exact matches, in which:
2975 unique CDR3
13 unique J



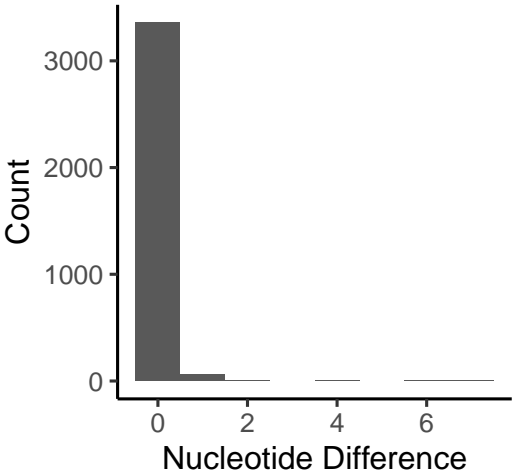
TRBV25-1*ap01

1651 sequences assigned
1627 (98.5%) exact matches, in which:
1578 unique CDR3
13 unique J



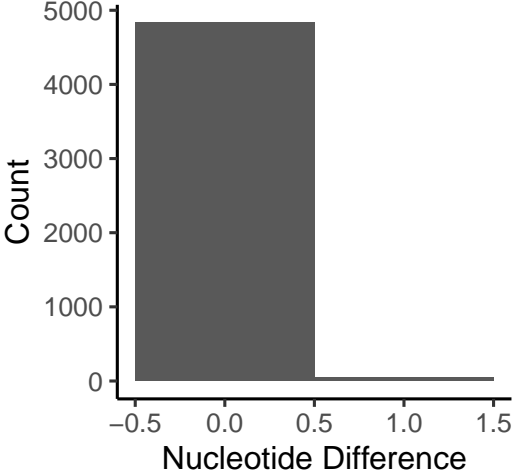
TRBV24-1*ap01

3424 sequences assigned
3357 (98%) exact matches, in which:
3277 unique CDR3
13 unique J



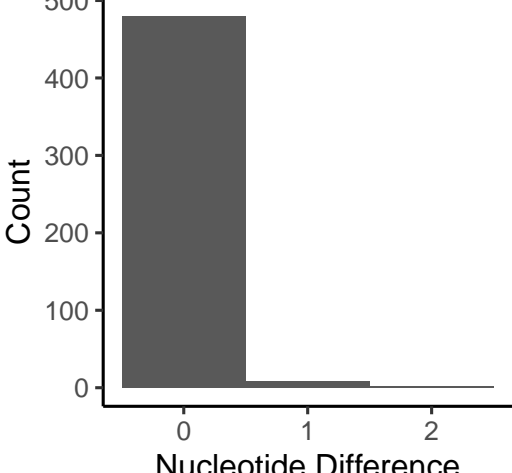
TRBV4-3*ap01

4882 sequences assigned
4832 (99%) exact matches, in which:
4699 unique CDR3
13 unique J



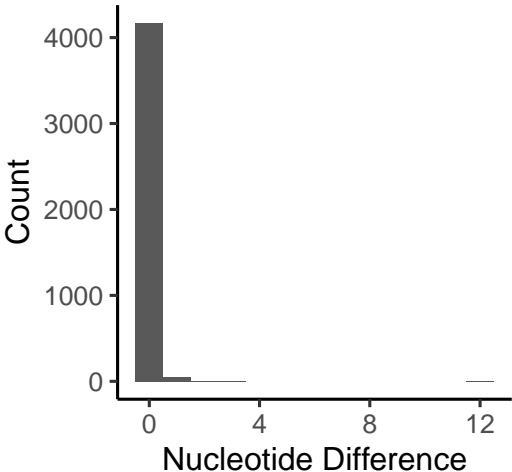
TRBV5-3*ap01

491 sequences assigned
480 (97.8%) exact matches, in which:
467 unique CDR3
13 unique J



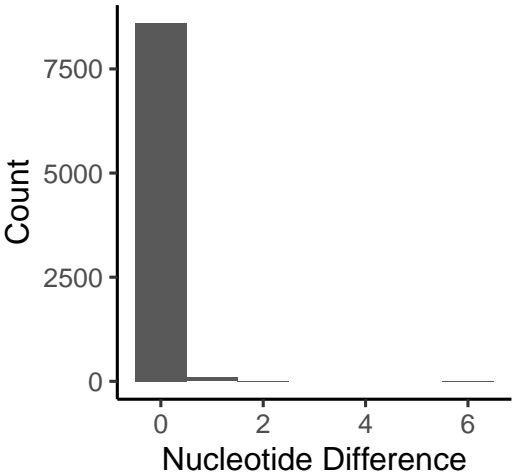
TRBV4-1*ap01

4227 sequences assigned
4169 (98.6%) exact matches, in which:
4053 unique CDR3
13 unique J



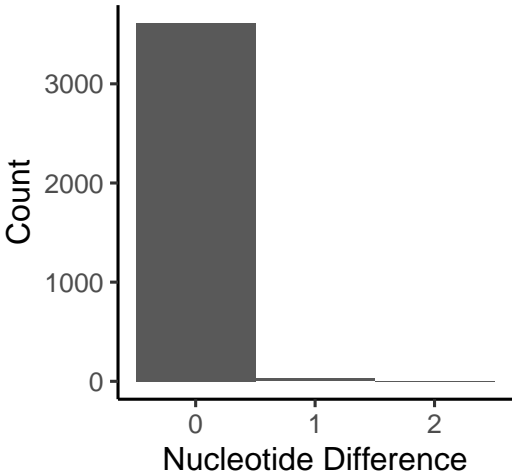
TRBV5-1*ap01

8700 sequences assigned
8601 (98.9%) exact matches, in which:
8359 unique CDR3
13 unique J



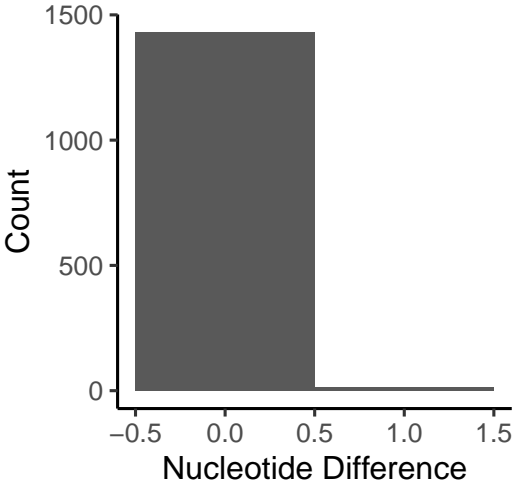
TRBV5-4*ap01

3642 sequences assigned
3613 (99.2%) exact matches, in which:
3526 unique CDR3
13 unique J



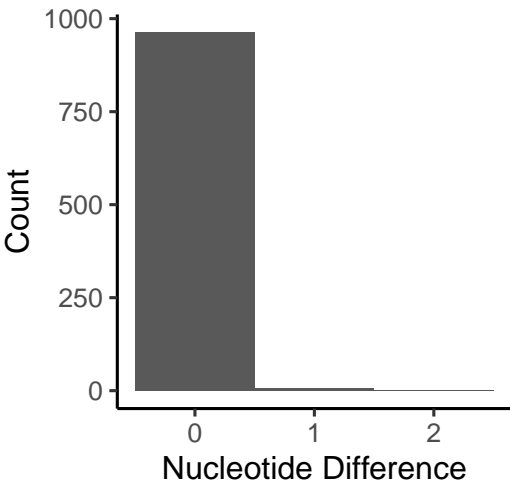
TRBV5-5*ap01

1444 sequences assigned
1430 (99%) exact matches, in which:
1406 unique CDR3
13 unique J



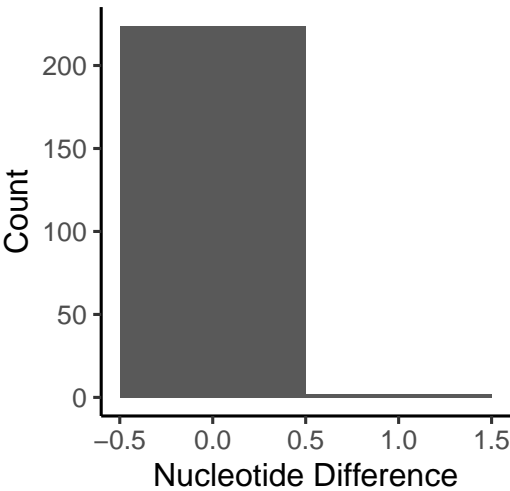
TRBV5-8*ap01

971 sequences assigned
963 (99.2%) exact matches, in which:
951 unique CDR3
13 unique J



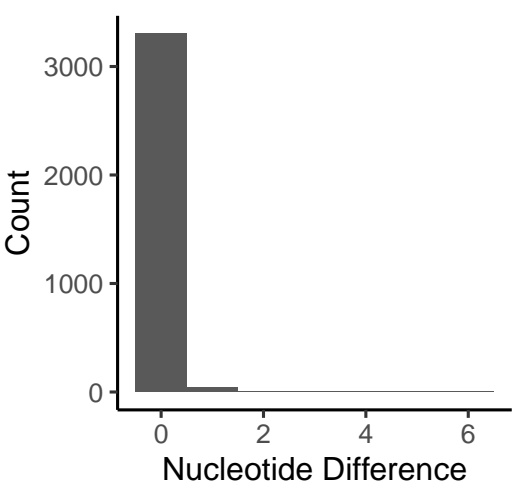
TRBV6-7*ap01

226 sequences assigned
224 (99.1%) exact matches, in which:
219 unique CDR3
13 unique J



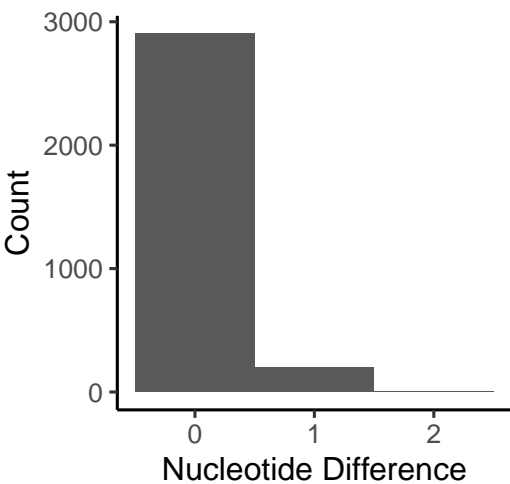
TRBV5-6*ap01

3354 sequences assigned
3302 (98.4%) exact matches, in which:
3196 unique CDR3
13 unique J



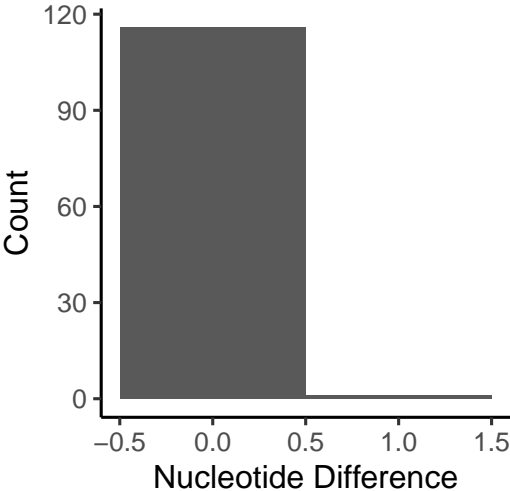
TRBV6-1*ap01

3105 sequences assigned
2903 (93.5%) exact matches, in which:
2813 unique CDR3
13 unique J



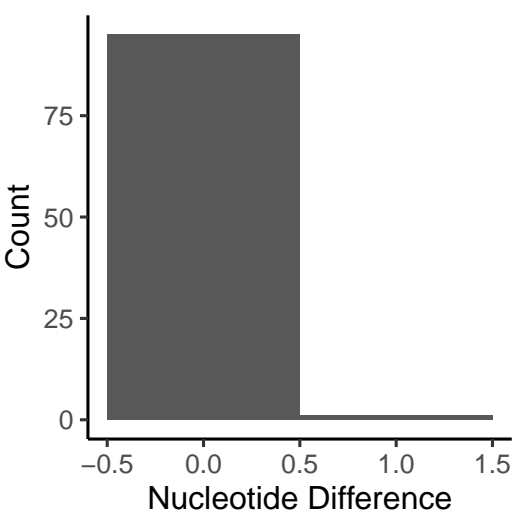
TRBV6-8*ap01

117 sequences assigned
116 (99.1%) exact matches, in which:
113 unique CDR3
13 unique J



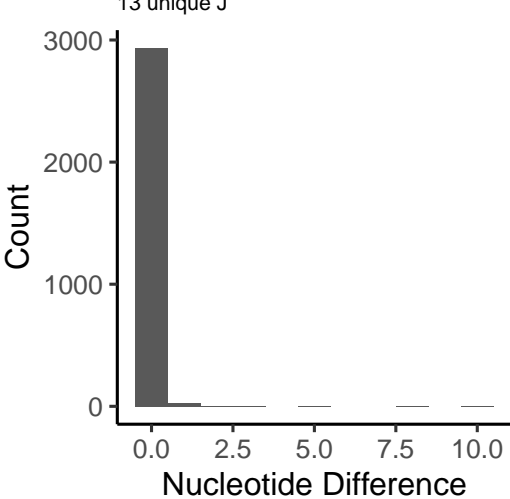
TRBV5-7*ap01

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



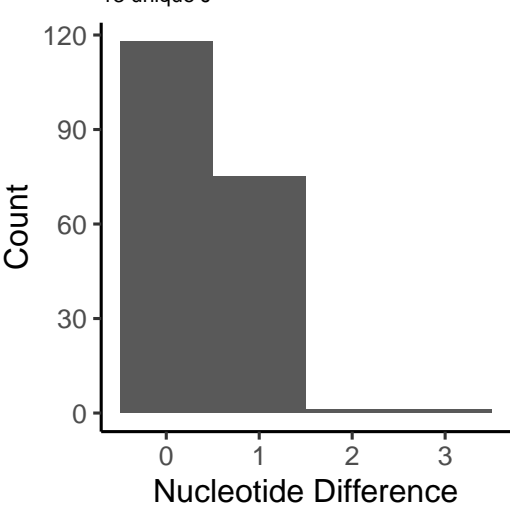
TRBV6-4*ap01

2971 sequences assigned
2934 (98.8%) exact matches, in which:
2901 unique CDR3
13 unique J



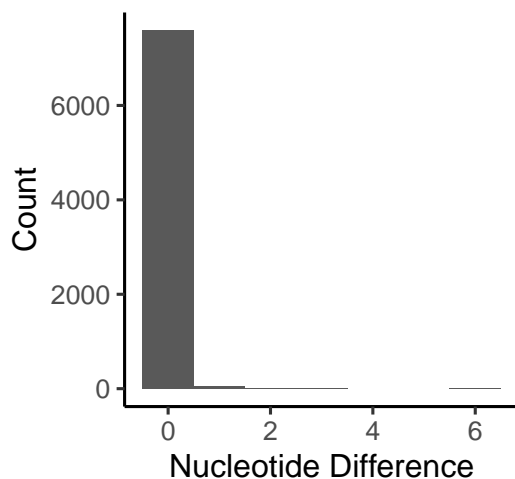
TRBV6-9*ap01

195 sequences assigned
118 (60.5%) exact matches, in which:
115 unique CDR3
13 unique J



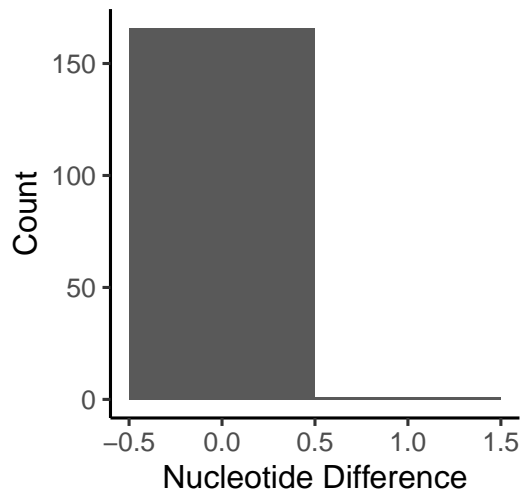
TRBV6-23*ap01

7657 sequences assigned
7590 (99.1%) exact matches, in which:
7363 unique CDR3
13 unique J



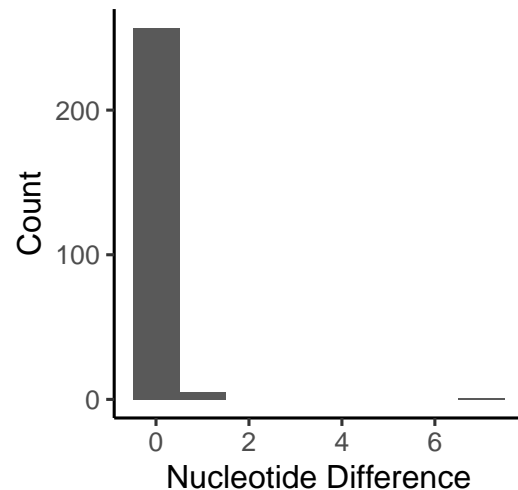
TRBV7-1*ap01_G291C_

167 sequences assigned
166 (99.4%) exact matches, in which:
162 unique CDR3
13 unique J



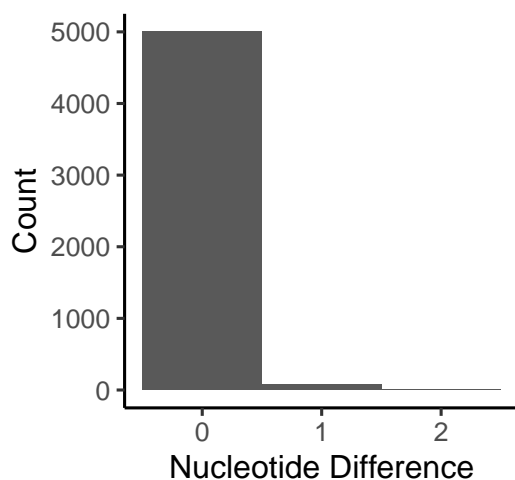
TRBV7-4*ap01

263 sequences assigned
257 (97.7%) exact matches, in which:
250 unique CDR3
13 unique J



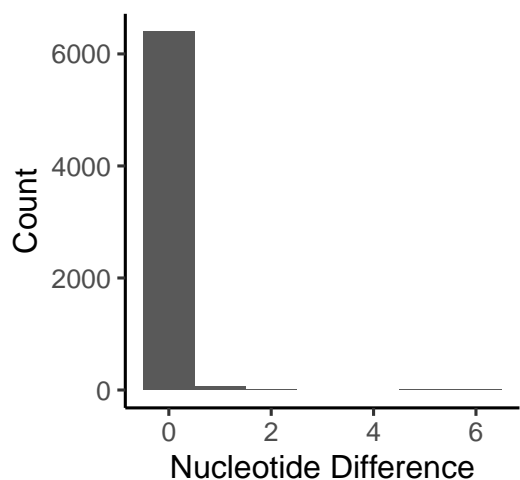
TRBV6-56*ap01

5079 sequences assigned
5002 (98.5%) exact matches, in which:
4854 unique CDR3
13 unique J



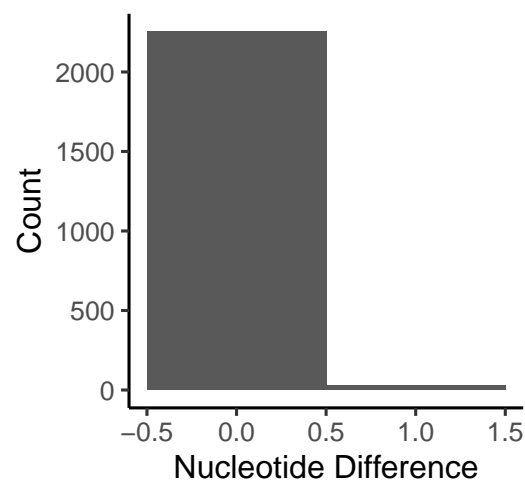
TRBV7-2*ap01

6456 sequences assigned
6396 (99.1%) exact matches, in which:
6272 unique CDR3
13 unique J



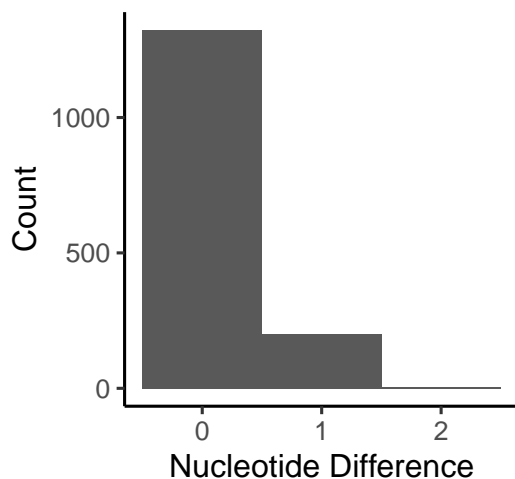
TRBV7-6*ap01

2279 sequences assigned
2253 (98.9%) exact matches, in which:
2214 unique CDR3
13 unique J



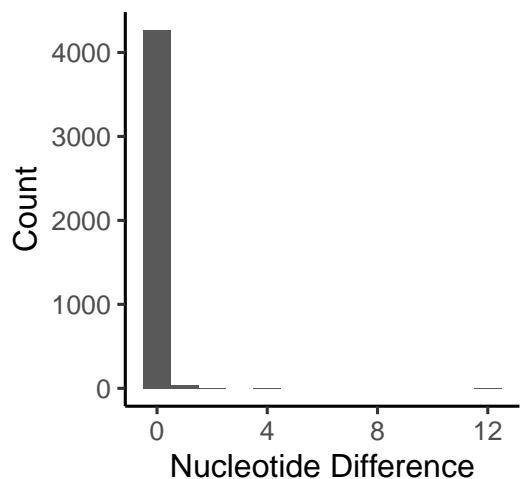
TRBV6-56*ap02

1530 sequences assigned
1323 (86.5%) exact matches, in which:
1289 unique CDR3
13 unique J



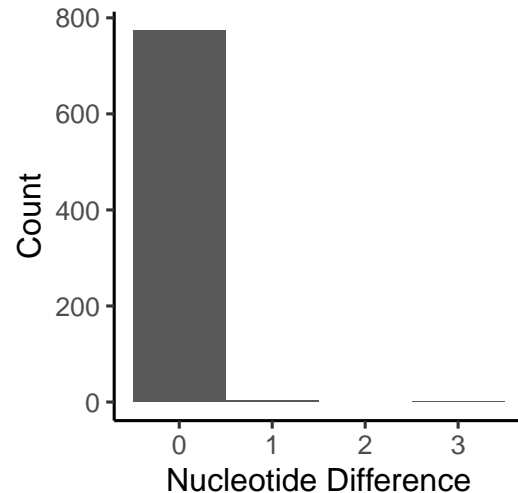
TRBV7-3*ap01

4308 sequences assigned
4267 (99%) exact matches, in which:
4197 unique CDR3
13 unique J



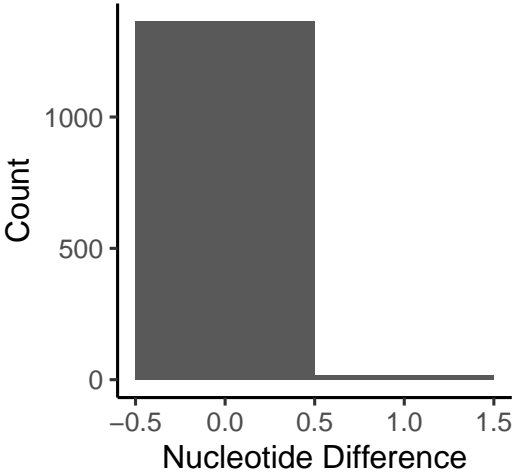
TRBV7-7*ap01

779 sequences assigned
774 (99.4%) exact matches, in which:
754 unique CDR3
13 unique J



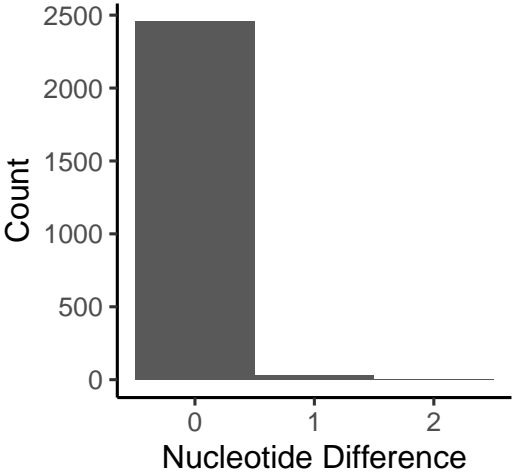
TRBV7-8*ap01

1383 sequences assigned
1364 (98.6%) exact matches, in which:
1334 unique CDR3
13 unique J



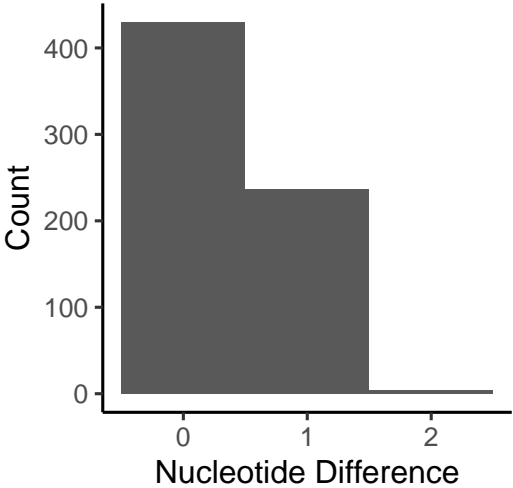
TRBV29-1*ap01

2487 sequences assigned
2457 (98.8%) exact matches, in which:
2387 unique CDR3
13 unique J



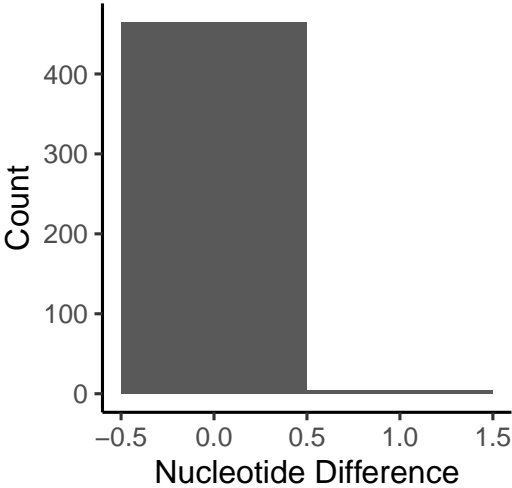
TRBV7-8*ap03

670 sequences assigned
430 (64.2%) exact matches, in which:
423 unique CDR3
13 unique J



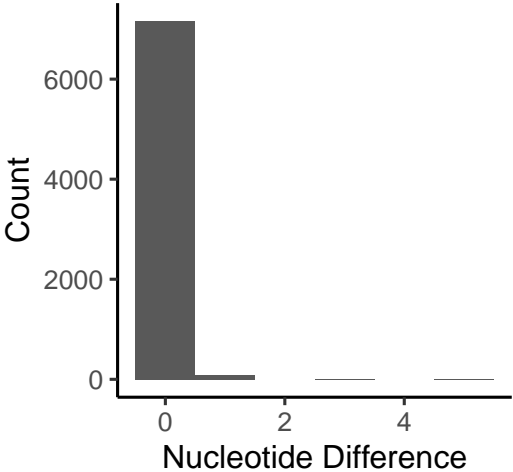
TRBV29-1*ap02

469 sequences assigned
465 (99.1%) exact matches, in which:
455 unique CDR3
13 unique J

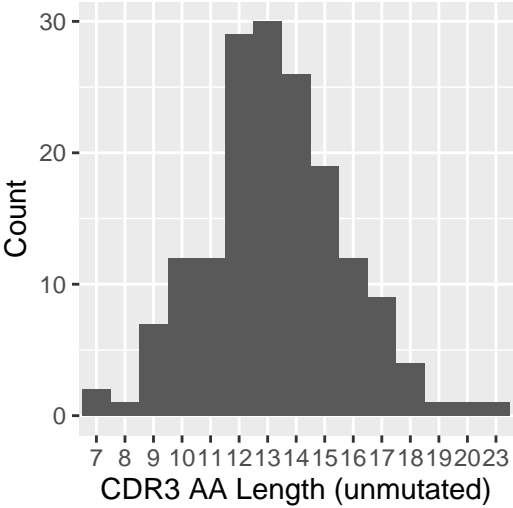


TRBV7-9*ap01

7247 sequences assigned
7161 (98.8%) exact matches, in which:
7015 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T





[illegible]