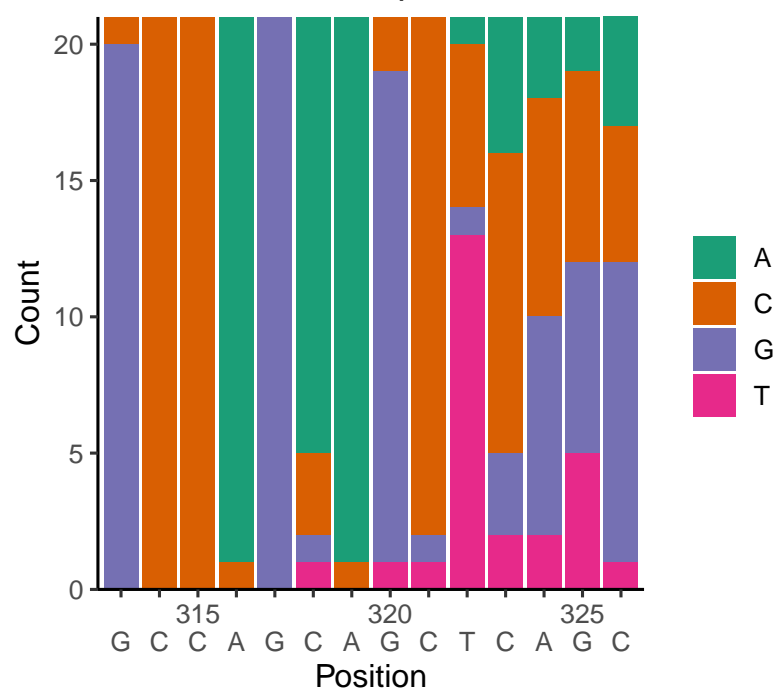
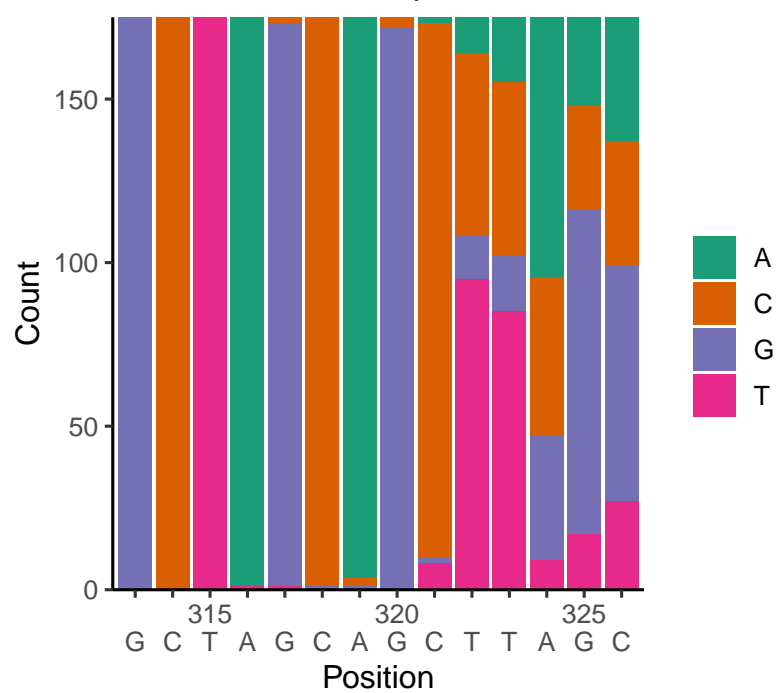


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



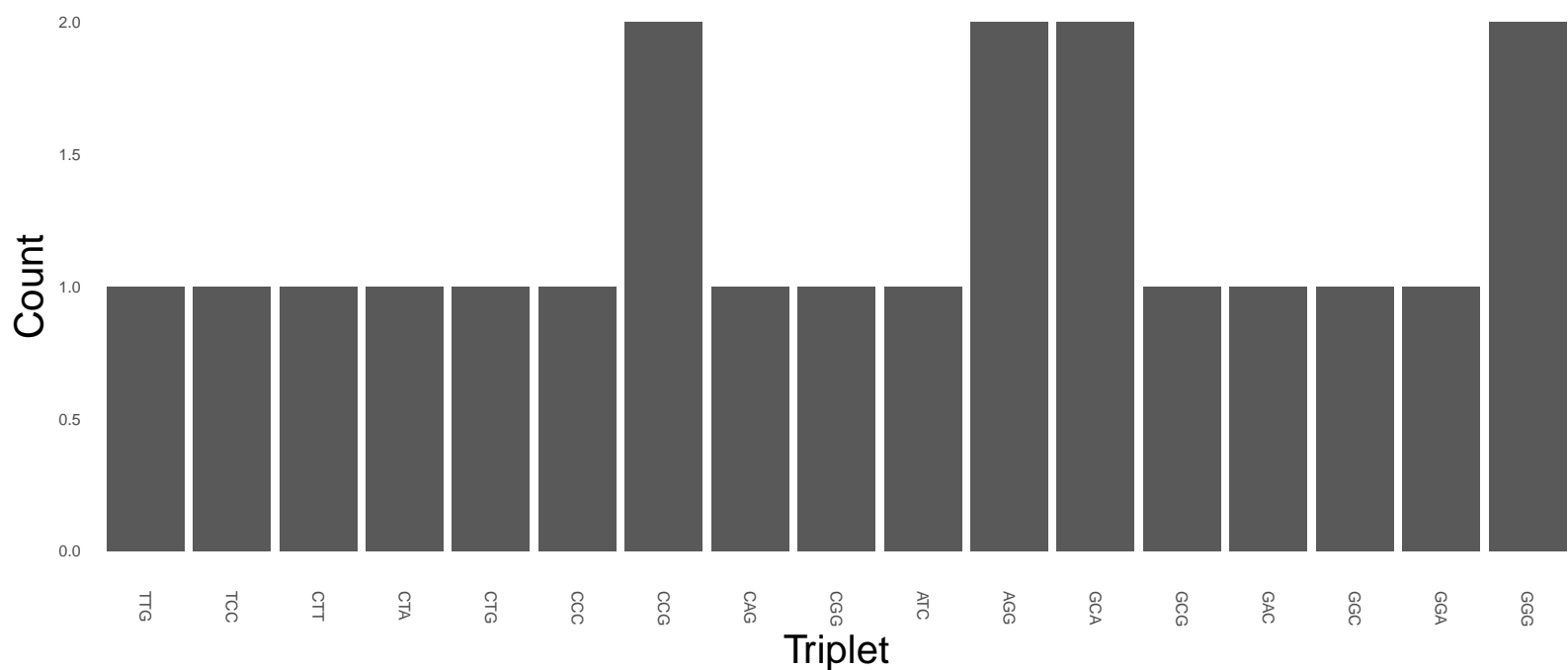
Gene TRBV7-1*ap01_T296C



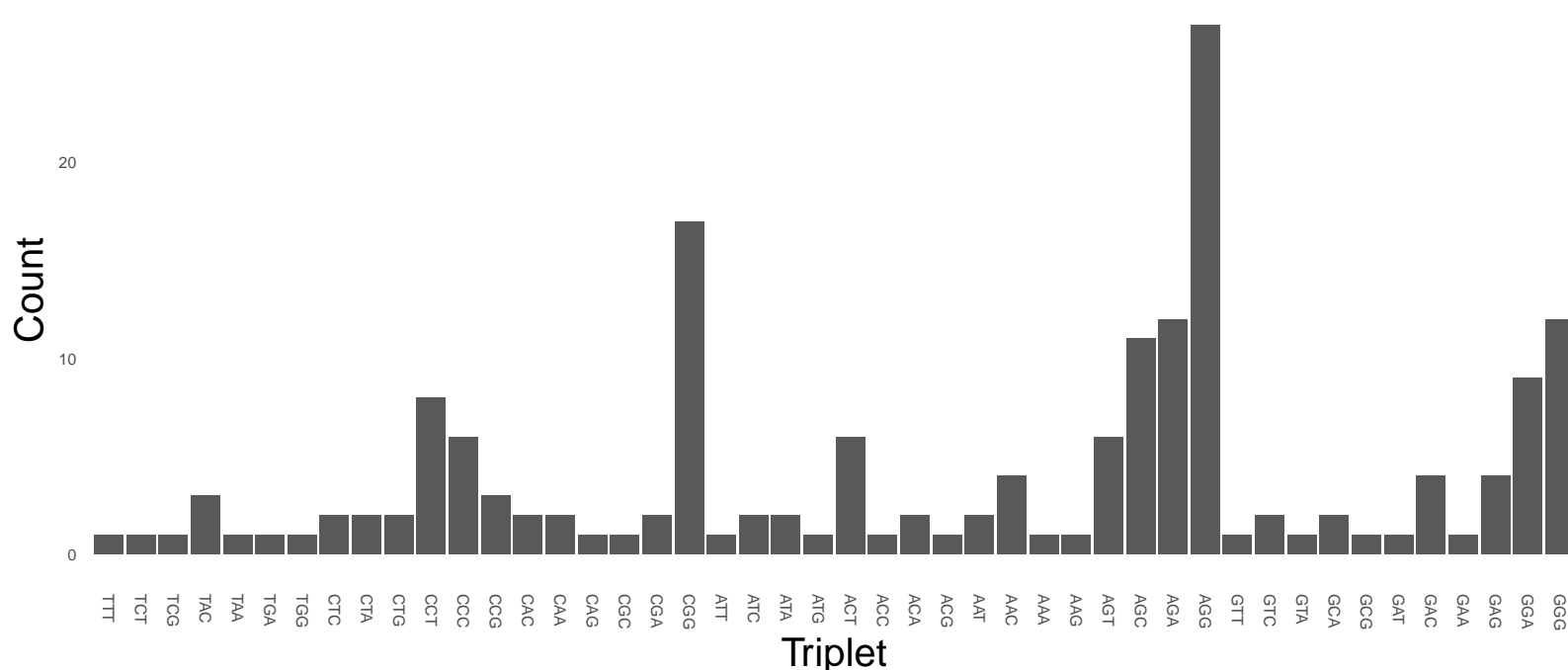
Gene TRBV7-7*ap01_C315T



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

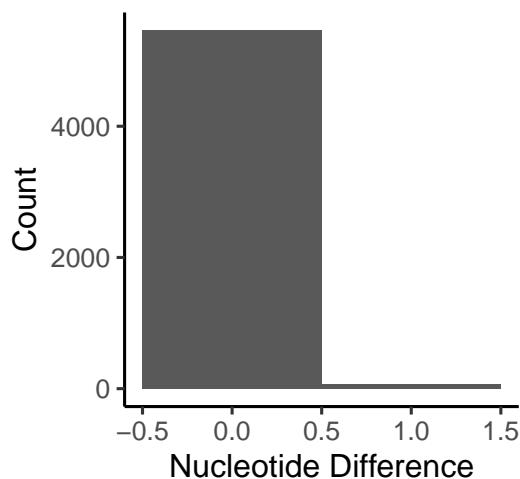


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



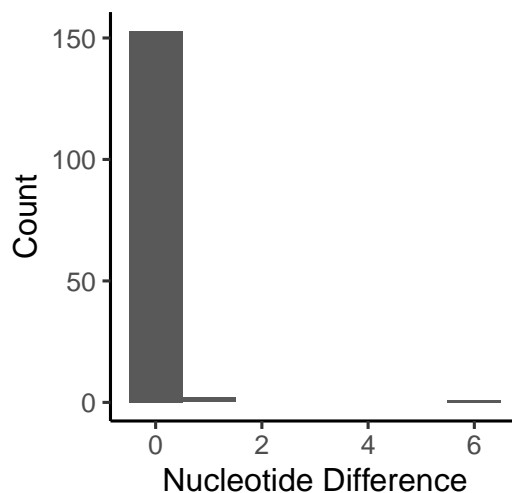
TRBV20-1*ap01

5533 sequences assigned
5461 (98.7%) exact matches, in which:
5355 unique CDR3
13 unique J



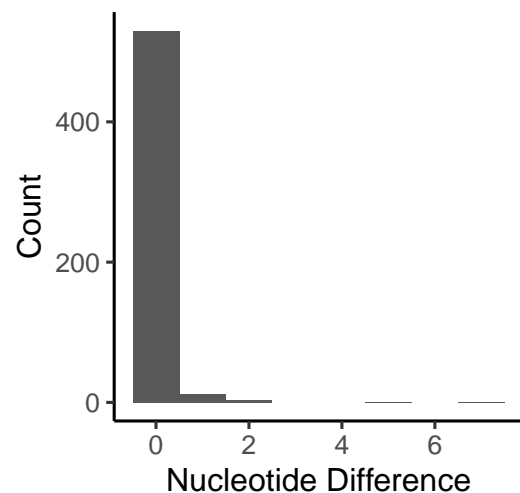
TRBV10-2*ap01

156 sequences assigned
153 (98.1%) exact matches, in which:
153 unique CDR3
12 unique J



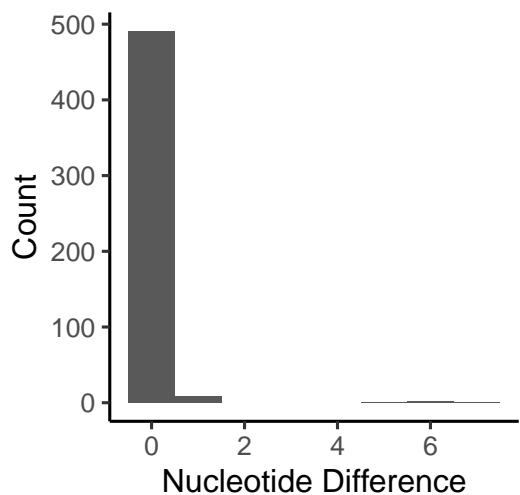
TRBV13*ap01

547 sequences assigned
530 (96.9%) exact matches, in which:
530 unique CDR3
13 unique J



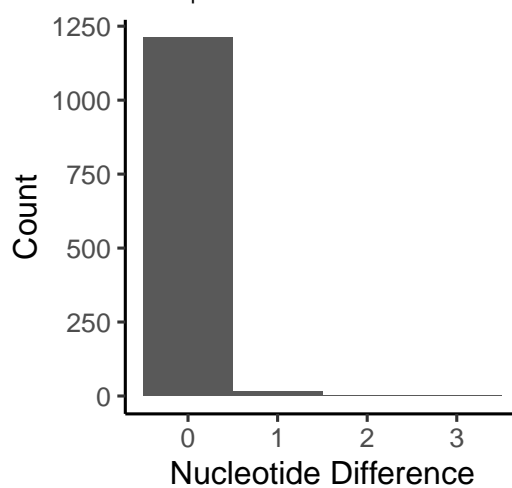
TRBV10-1*ap01

504 sequences assigned
491 (97.4%) exact matches, in which:
487 unique CDR3
13 unique J



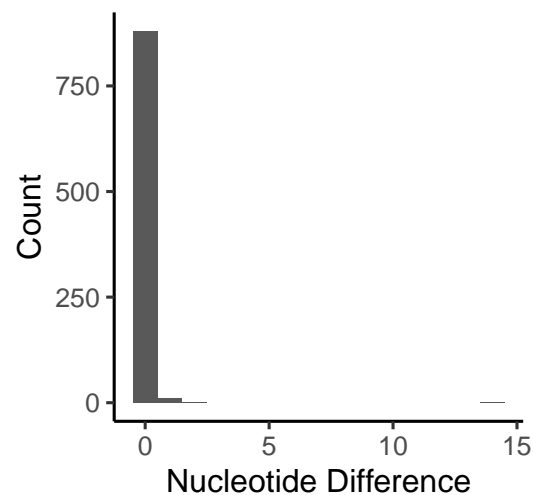
TRBV10-3*ap01

1228 sequences assigned
1211 (98.6%) exact matches, in which:
1199 unique CDR3
13 unique J



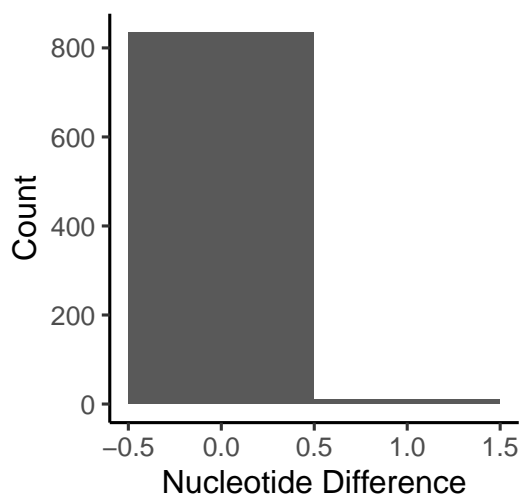
TRBV14*ap01

893 sequences assigned
880 (98.5%) exact matches, in which:
879 unique CDR3
13 unique J



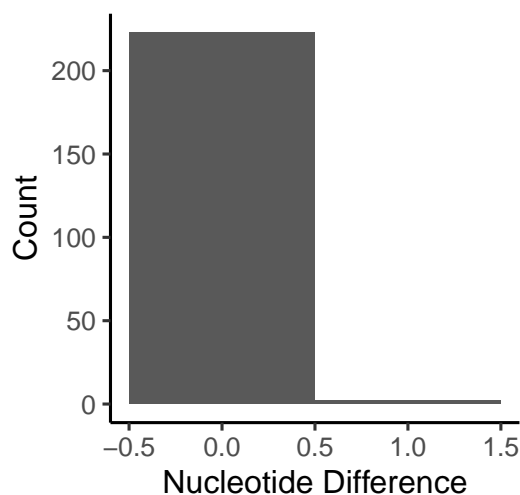
TRBV20-1*ap02

846 sequences assigned
835 (98.7%) exact matches, in which:
818 unique CDR3
13 unique J



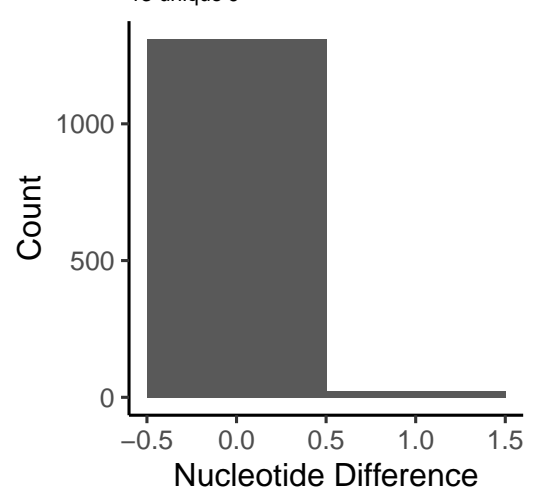
TRBV1*ap01

225 sequences assigned
223 (99.1%) exact matches, in which:
218 unique CDR3
12 unique J



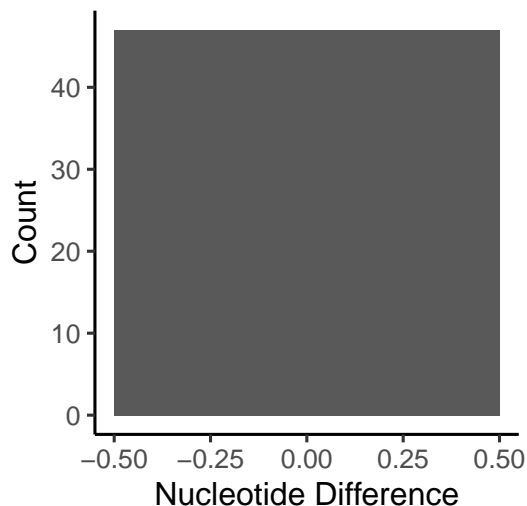
TRBV15*ap02

1334 sequences assigned
1310 (98.2%) exact matches, in which:
1295 unique CDR3
13 unique J



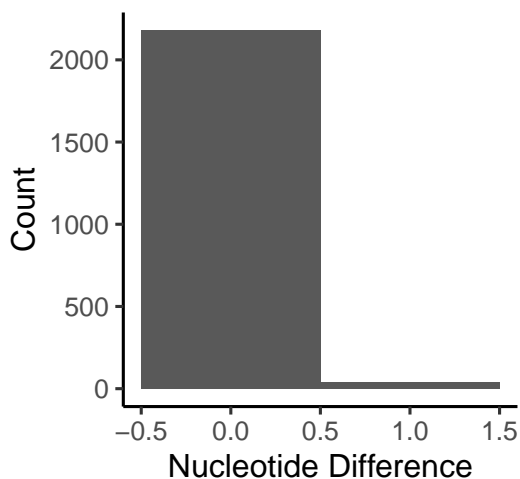
TRBV16*ap01

47 sequences assigned
47 (100%) exact matches, in which:
47 unique CDR3
12 unique J



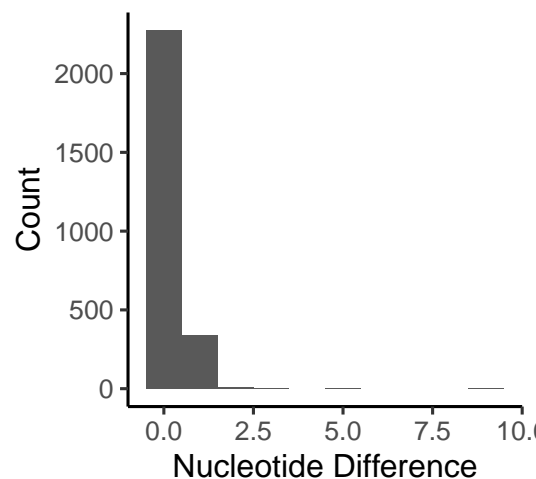
TRBV2*ap01

2220 sequences assigned
2179 (98.2%) exact matches, in which:
2165 unique CDR3
13 unique J



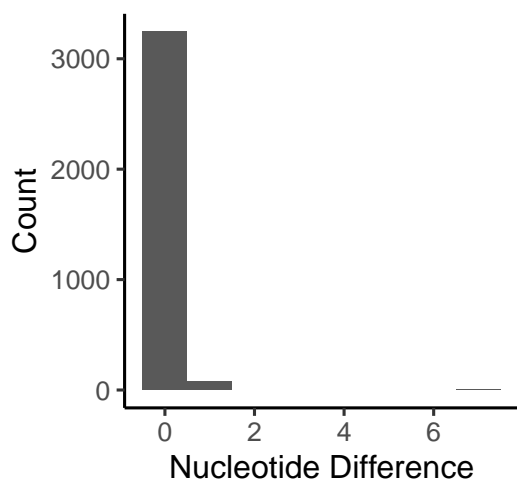
TRBV30*ap01

2622 sequences assigned
2274 (86.7%) exact matches, in which:
2190 unique CDR3
13 unique J



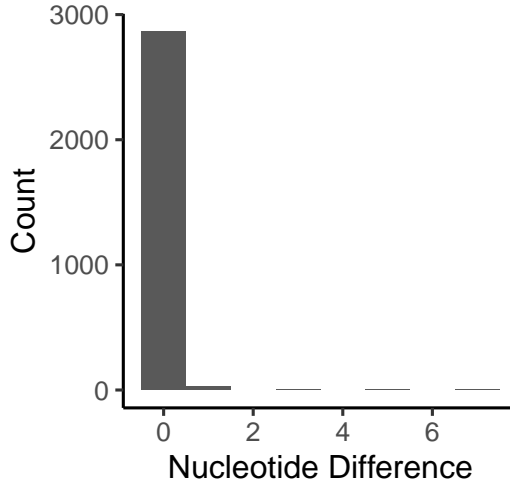
TRBV18*ap01

3324 sequences assigned
3245 (97.6%) exact matches, in which:
3187 unique CDR3
13 unique J



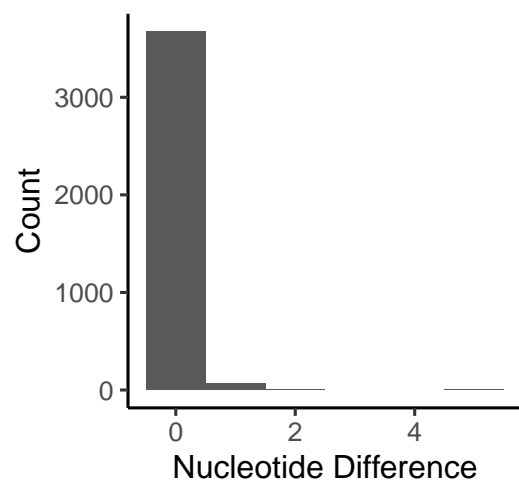
TRBV27*ap01

2894 sequences assigned
2863 (98.9%) exact matches, in which:
2843 unique CDR3
13 unique J



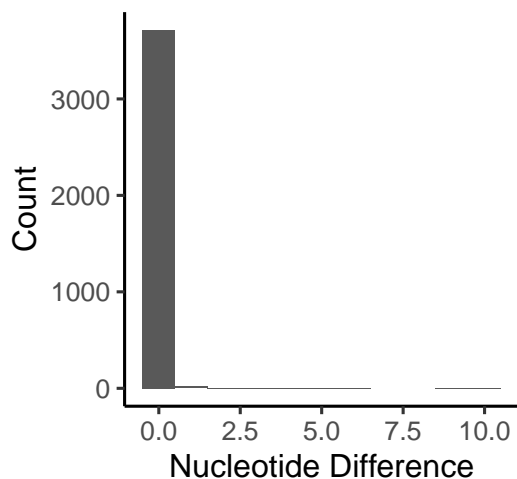
TRBV9*ap01

3747 sequences assigned
3672 (98%) exact matches, in which:
3633 unique CDR3
13 unique J



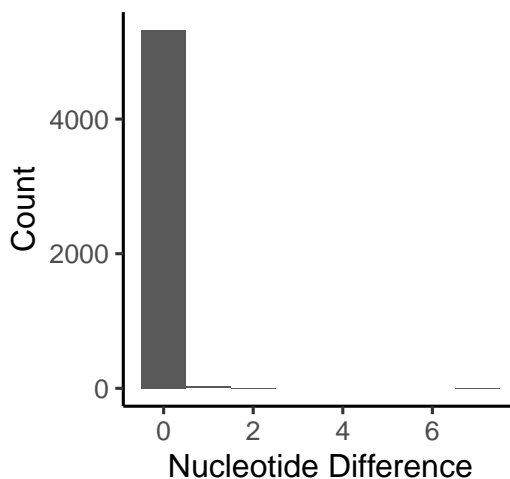
TRBV19*ap01

3740 sequences assigned
3714 (99.3%) exact matches, in which:
3674 unique CDR3
13 unique J



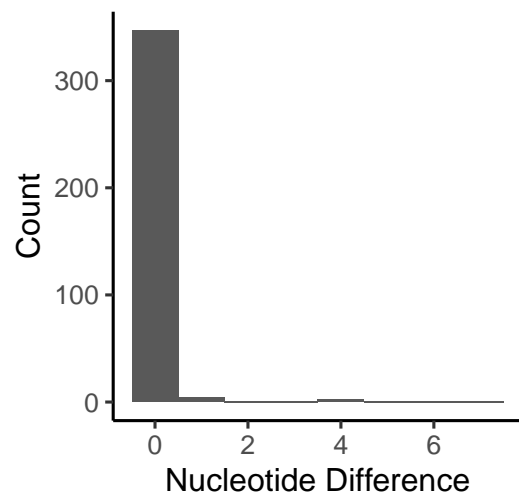
TRBV28*ap01

5352 sequences assigned
5323 (99.5%) exact matches, in which:
5277 unique CDR3
13 unique J



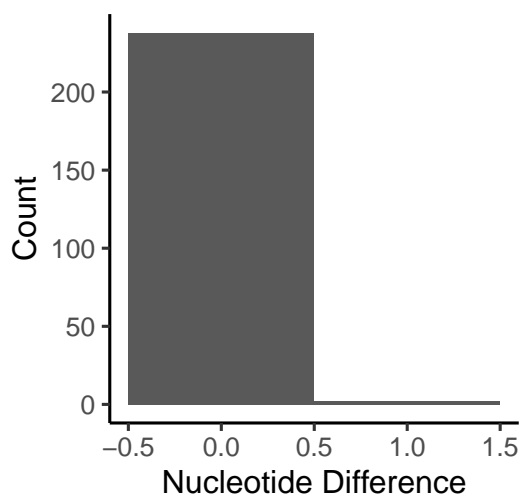
TRBV21-1*ap01

358 sequences assigned
347 (96.9%) exact matches, in which:
347 unique CDR3
12 unique J



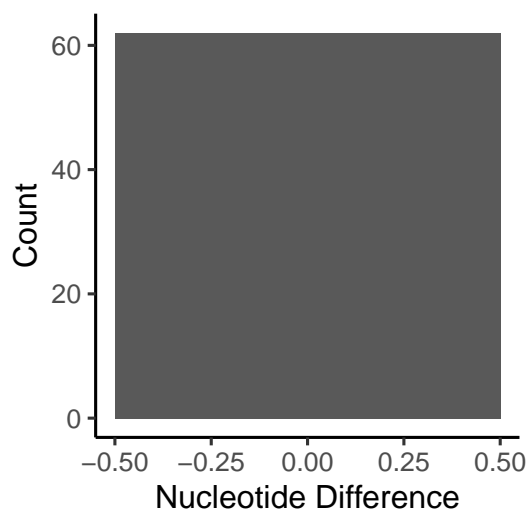
TRBV11-1*ap01

240 sequences assigned
238 (99.2%) exact matches, in which:
236 unique CDR3
12 unique J



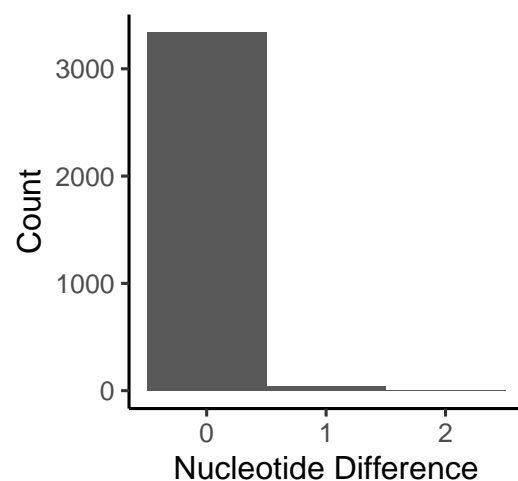
TRBV12-1*ap01

62 sequences assigned
62 (100%) exact matches, in which:
62 unique CDR3
11 unique J



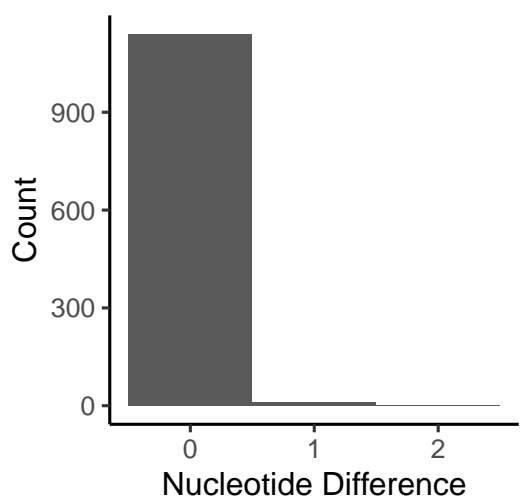
TRBV12-34*ap01

3387 sequences assigned
3339 (98.6%) exact matches, in which:
3306 unique CDR3
13 unique J



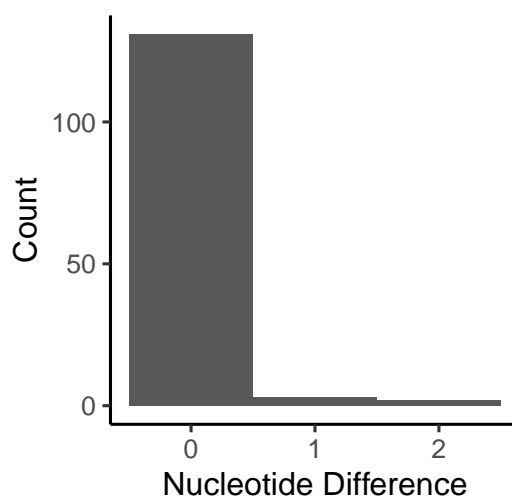
TRBV11-2*ap01

1151 sequences assigned
1140 (99%) exact matches, in which:
1127 unique CDR3
13 unique J



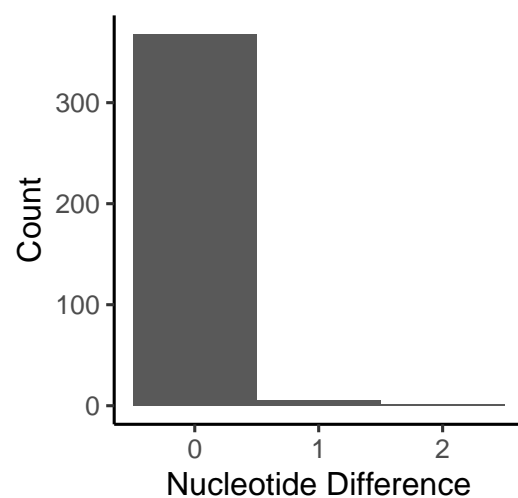
TRBV12-2*ap01

136 sequences assigned
131 (96.3%) exact matches, in which:
131 unique CDR3
13 unique J



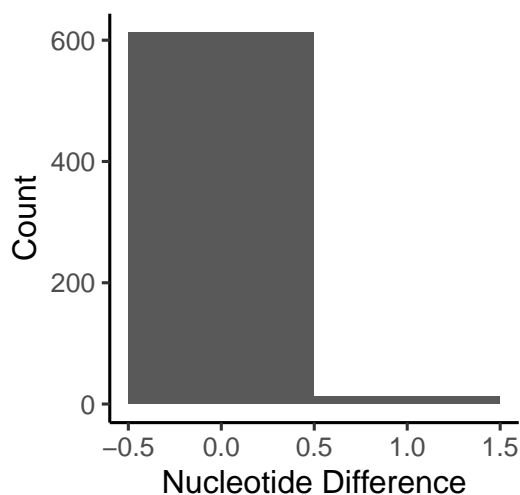
TRBV23-1*ap01

374 sequences assigned
368 (98.4%) exact matches, in which:
367 unique CDR3
13 unique J



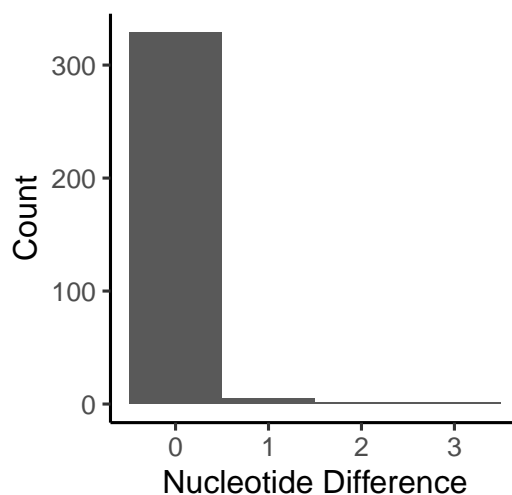
TRBV11-3*ap01

626 sequences assigned
613 (97.9%) exact matches, in which:
606 unique CDR3
13 unique J



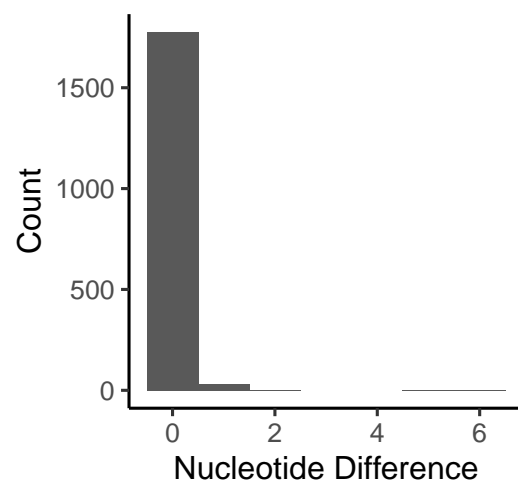
TRBV12-5*ap01

336 sequences assigned
329 (97.9%) exact matches, in which:
325 unique CDR3
12 unique J



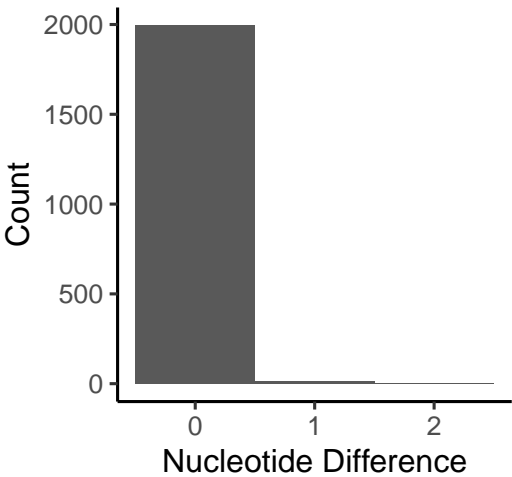
TRBV3-12*ap01

1809 sequences assigned
1776 (98.2%) exact matches, in which:
1767 unique CDR3
13 unique J



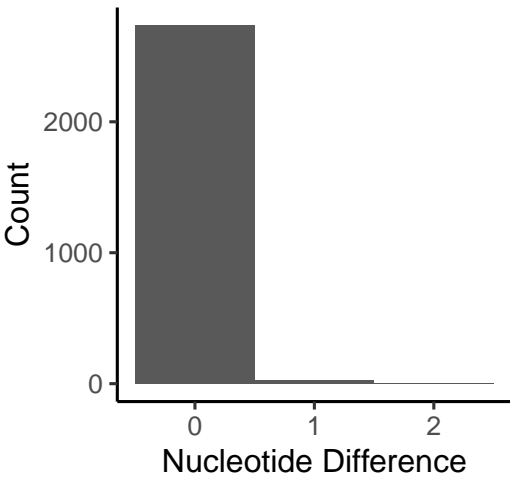
TRBV4-1*ap01

2010 sequences assigned
1995 (99.3%) exact matches, in which:
1956 unique CDR3
13 unique J



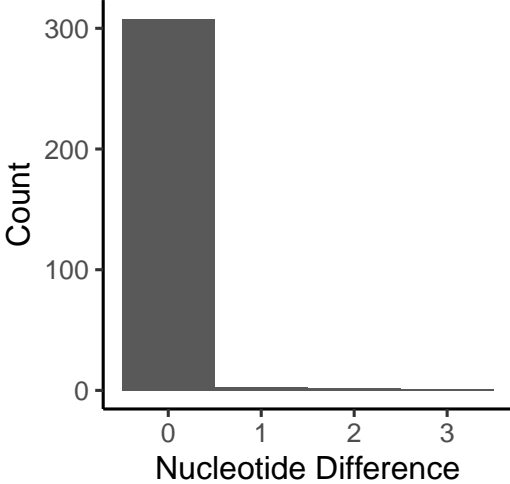
TRBV4-3*ap01

2764 sequences assigned
2736 (99%) exact matches, in which:
2672 unique CDR3
13 unique J



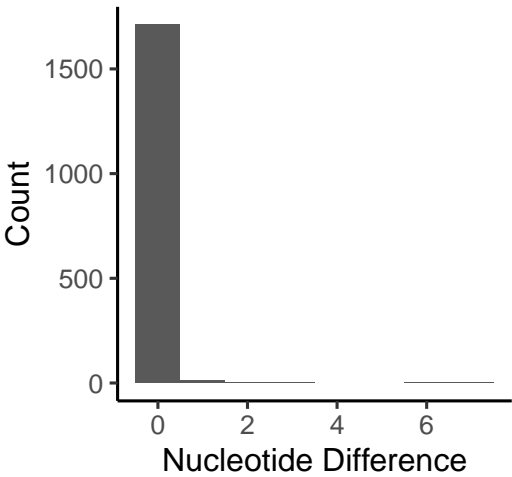
TRBV5-3*ap01

314 sequences assigned
308 (98.1%) exact matches, in which:
301 unique CDR3
12 unique J



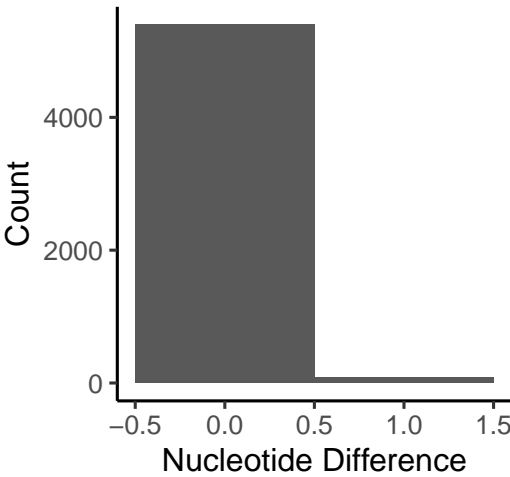
TRBV24-1*ap01

1728 sequences assigned
1711 (99%) exact matches, in which:
1694 unique CDR3
13 unique J



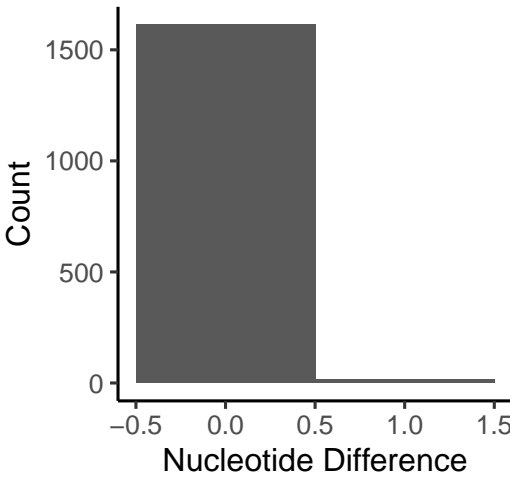
TRBV5-1*ap01

5481 sequences assigned
5395 (98.4%) exact matches, in which:
5306 unique CDR3
13 unique J



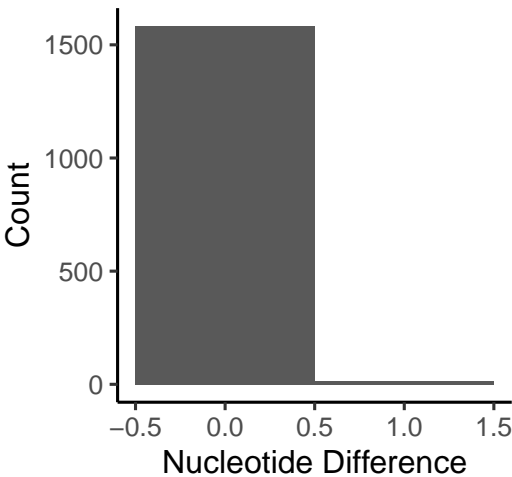
TRBV5-4*ap01

1629 sequences assigned
1613 (99%) exact matches, in which:
1601 unique CDR3
13 unique J



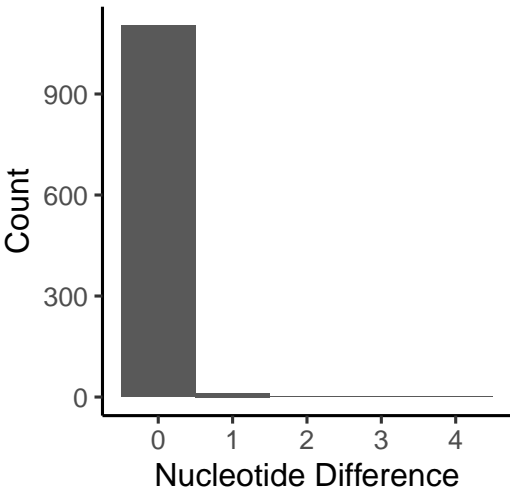
TRBV4-2*ap01

1599 sequences assigned
1583 (99%) exact matches, in which:
1563 unique CDR3
13 unique J



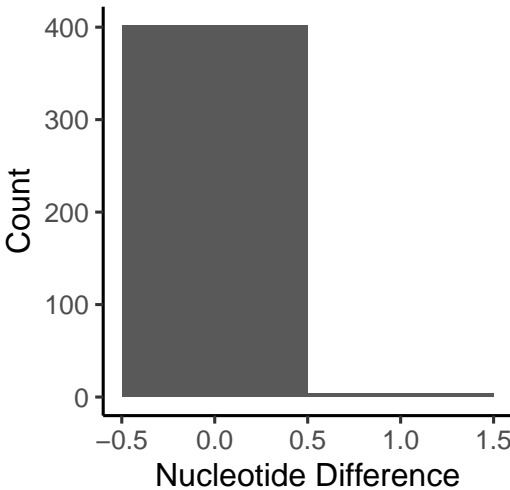
TRBV25-1*ap01

1120 sequences assigned
1104 (98.6%) exact matches, in which:
1086 unique CDR3
13 unique J



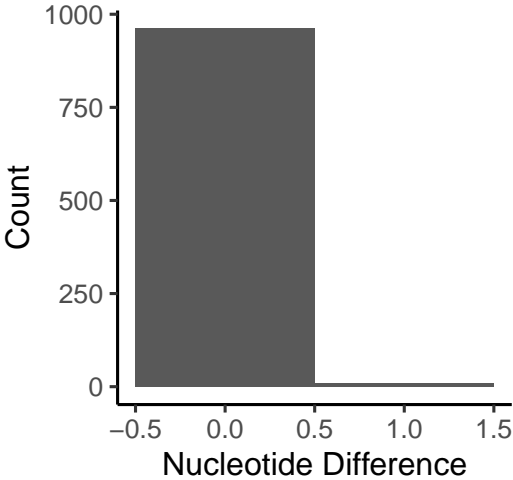
TRBV5-5*ap01

406 sequences assigned
402 (99%) exact matches, in which:
402 unique CDR3
13 unique J



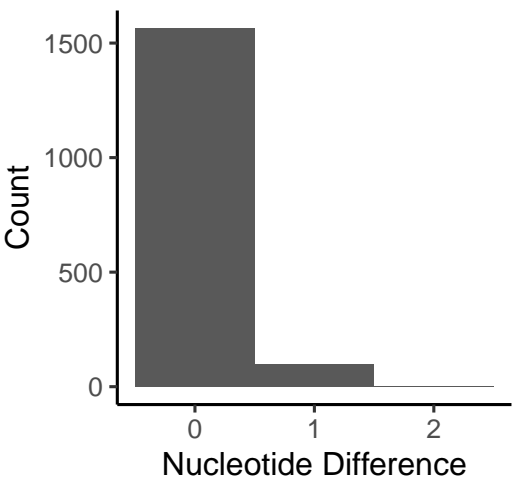
TRBV5-6*ap01

971 sequences assigned
962 (99.1%) exact matches, in which:
945 unique CDR3
13 unique J



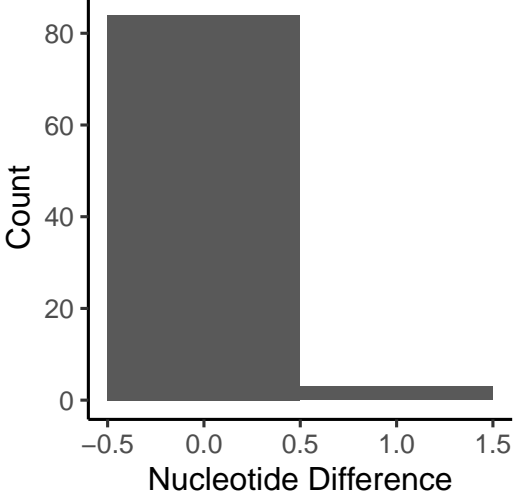
TRBV6-1*ap01

1663 sequences assigned
1564 (94%) exact matches, in which:
1536 unique CDR3
13 unique J



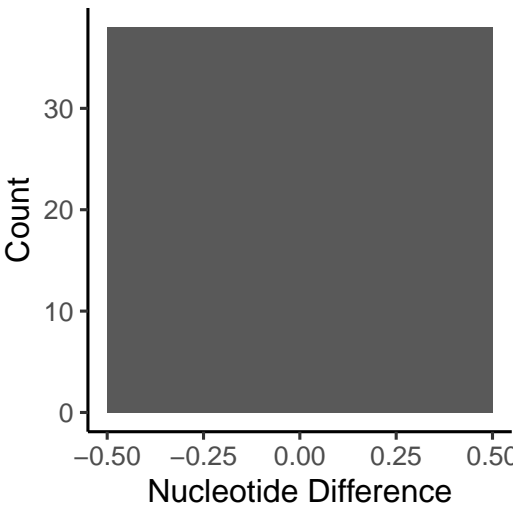
TRBV6-8*ap01

87 sequences assigned
84 (96.6%) exact matches, in which:
81 unique CDR3
11 unique J



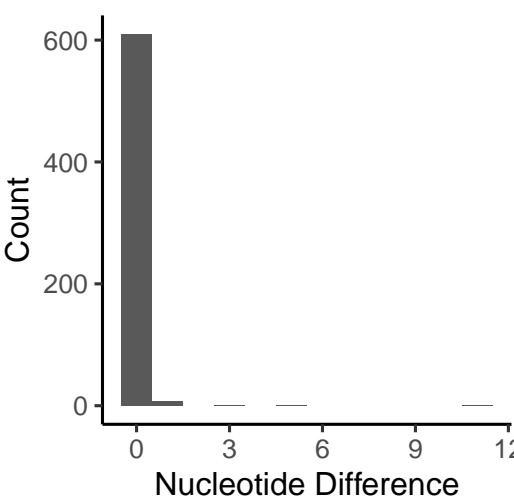
TRBV5-7*ap01

38 sequences assigned
38 (100%) exact matches, in which:
36 unique CDR3
11 unique J



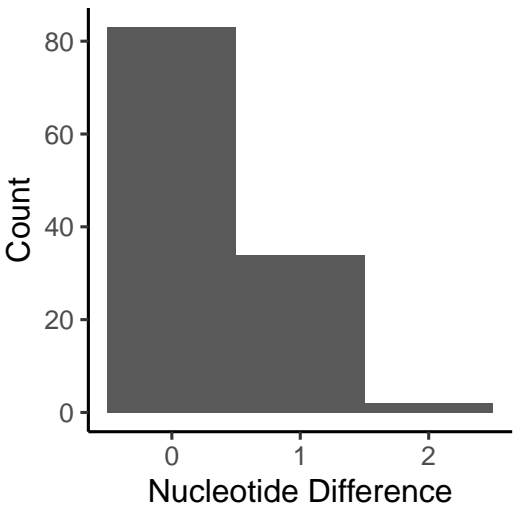
TRBV6-4*ap01

621 sequences assigned
610 (98.2%) exact matches, in which:
607 unique CDR3
13 unique J



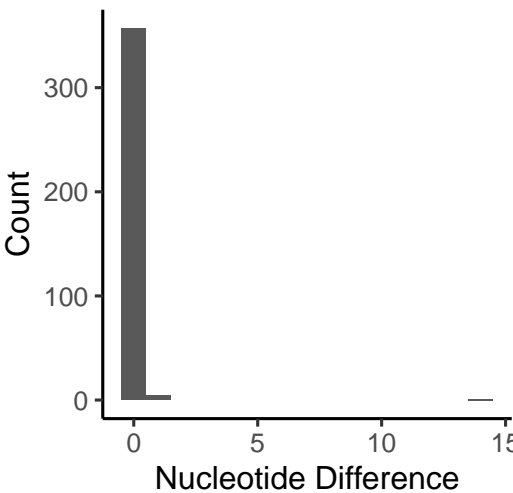
TRBV6-9*ap01

119 sequences assigned
83 (69.7%) exact matches, in which:
80 unique CDR3
12 unique J



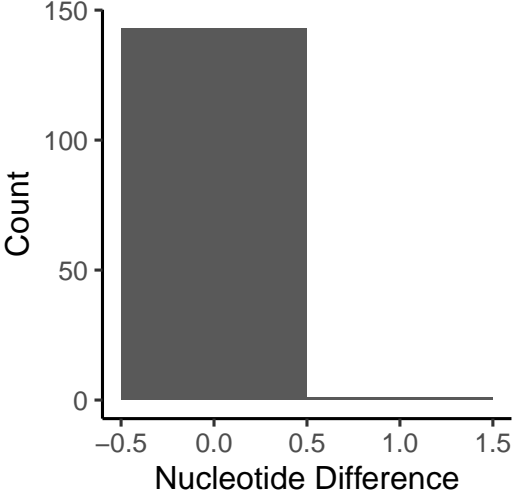
TRBV5-8*ap01

362 sequences assigned
357 (98.6%) exact matches, in which:
354 unique CDR3
12 unique J



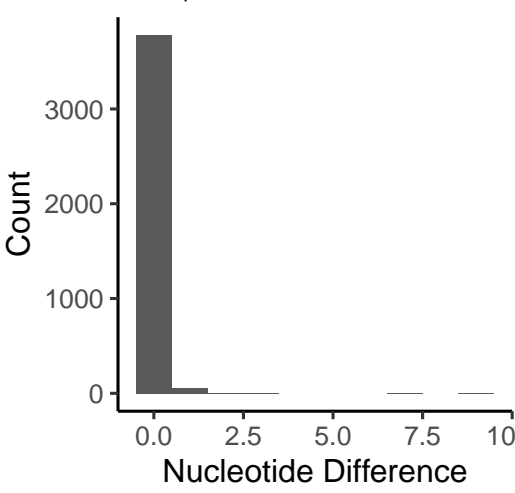
TRBV6-7*ap01

144 sequences assigned
143 (99.3%) exact matches, in which:
138 unique CDR3
12 unique J



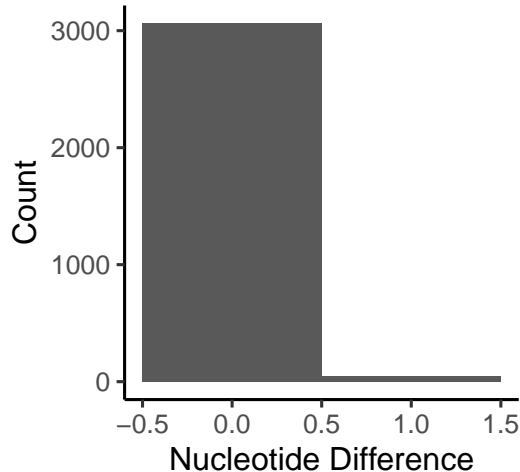
TRBV6-23*ap01

3845 sequences assigned
3780 (98.3%) exact matches, in which:
3737 unique CDR3
13 unique J



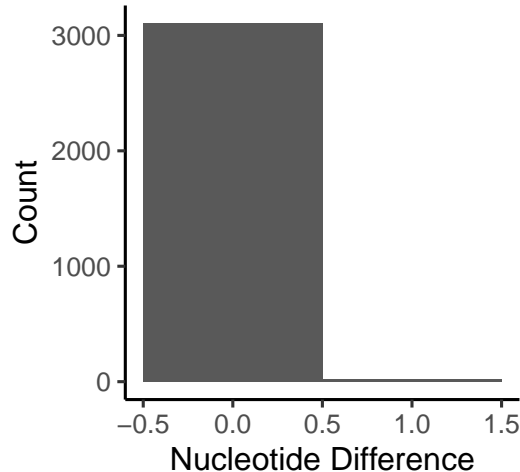
TRBV6-56*ap01

3109 sequences assigned
3062 (98.5%) exact matches, in which:
3015 unique CDR3
13 unique J



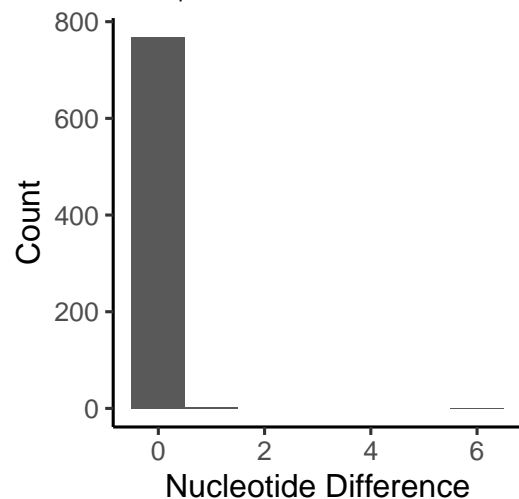
TRBV7-2*ap01

3122 sequences assigned
3104 (99.4%) exact matches, in which:
3073 unique CDR3
13 unique J



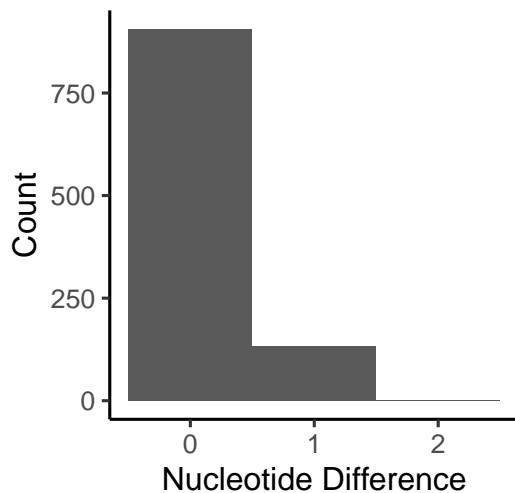
TRBV7-6*ap01

773 sequences assigned
769 (99.5%) exact matches, in which:
762 unique CDR3
13 unique J



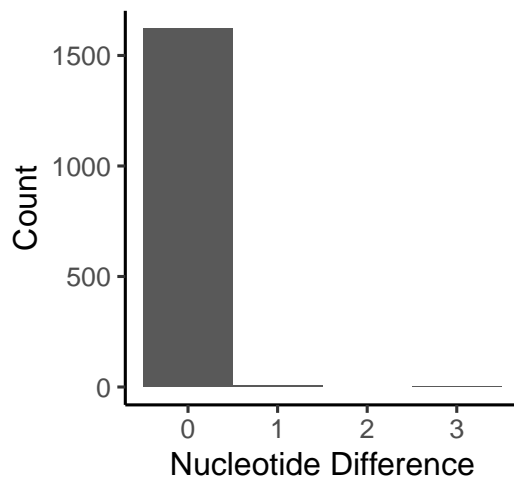
TRBV6-56*ap02

1040 sequences assigned
906 (87.1%) exact matches, in which:
893 unique CDR3
13 unique J



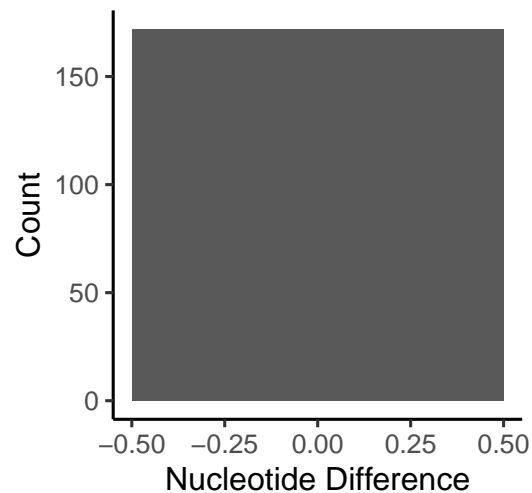
TRBV7-3*ap01

1628 sequences assigned
1621 (99.6%) exact matches, in which:
1610 unique CDR3
13 unique J



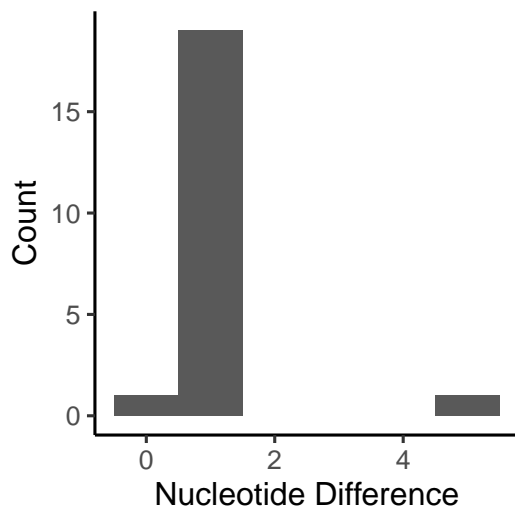
TRBV7-7*ap01

172 sequences assigned
172 (100%) exact matches, in which:
171 unique CDR3
10 unique J



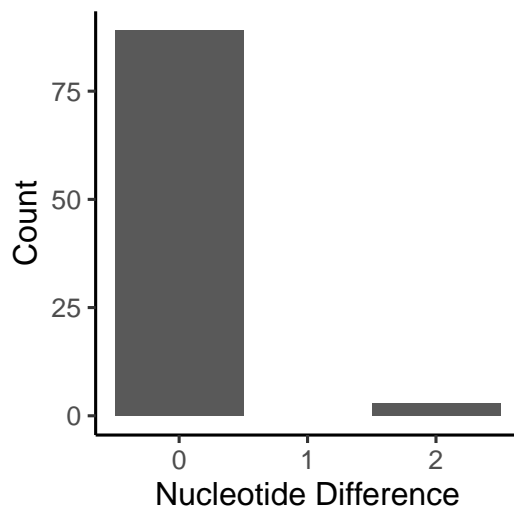
TRBV7-1*ap01_T296C

21 sequences assigned
1 (4.8%) exact matches, in which:
1 unique CDR3
1 unique J



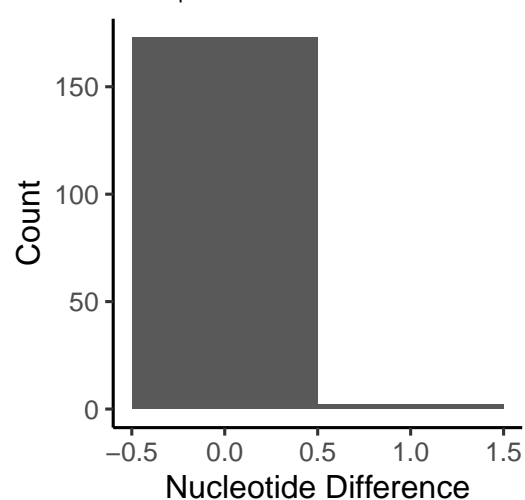
TRBV7-4*ap01

92 sequences assigned
89 (96.7%) exact matches, in which:
89 unique CDR3
12 unique J



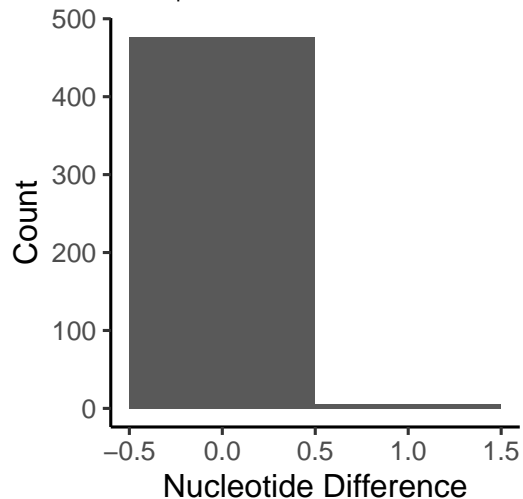
TRBV7-7*ap01_C315T

175 sequences assigned
173 (98.9%) exact matches, in which:
172 unique CDR3
11 unique J



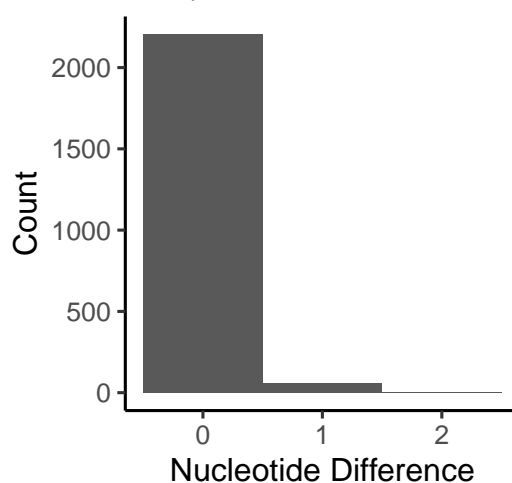
TRBV7-8*ap01

483 sequences assigned
477 (98.8%) exact matches, in which:
472 unique CDR3
13 unique J



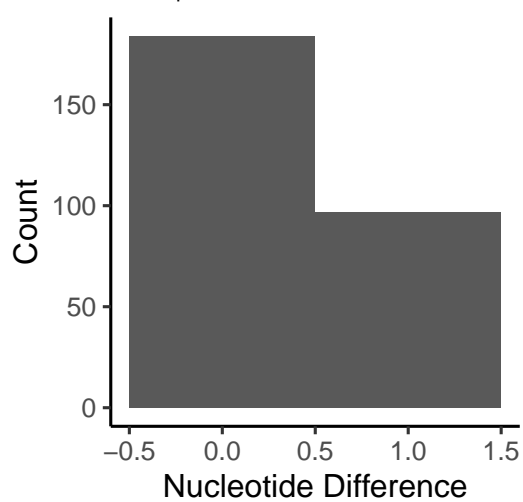
TRBV29-1*ap01

2263 sequences assigned
2204 (97.4%) exact matches, in which:
2125 unique CDR3
13 unique J



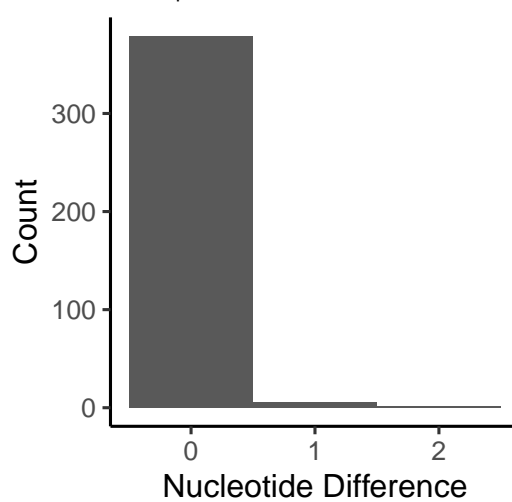
TRBV7-8*ap03

281 sequences assigned
184 (65.5%) exact matches, in which:
184 unique CDR3
10 unique J



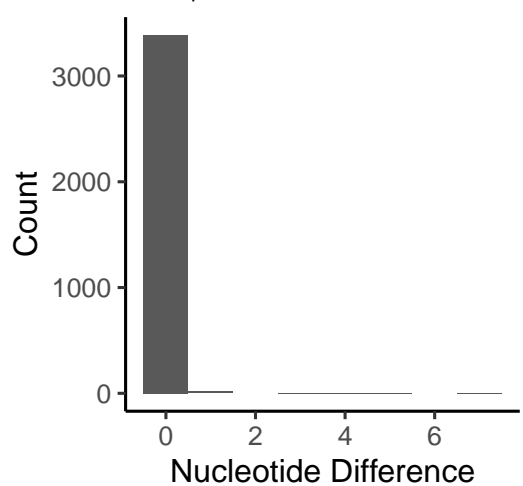
TRBV29-1*ap02

387 sequences assigned
379 (97.9%) exact matches, in which:
360 unique CDR3
12 unique J

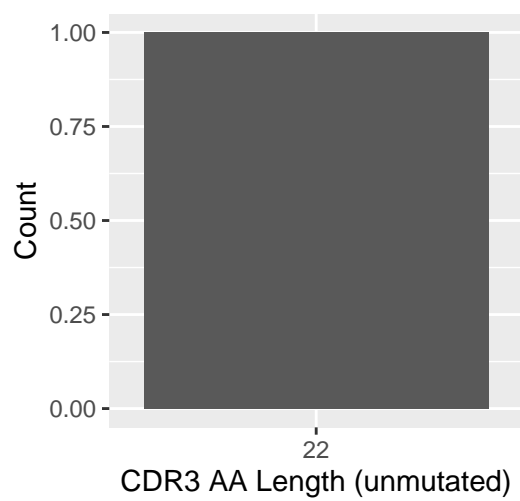


TRBV7-9*ap01

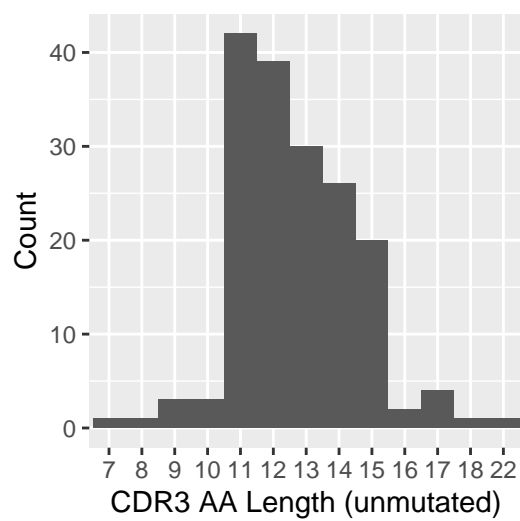
3409 sequences assigned
3387 (99.4%) exact matches, in which:
3361 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]