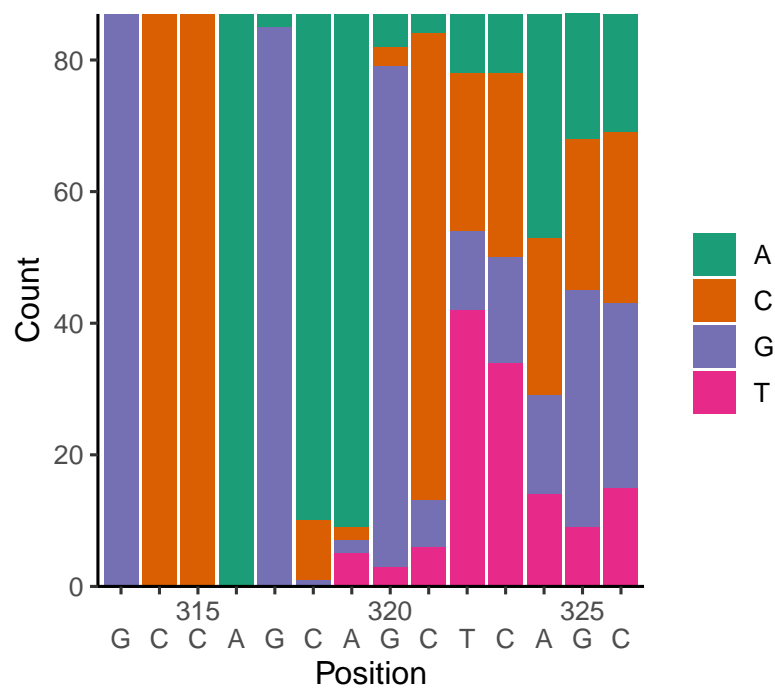
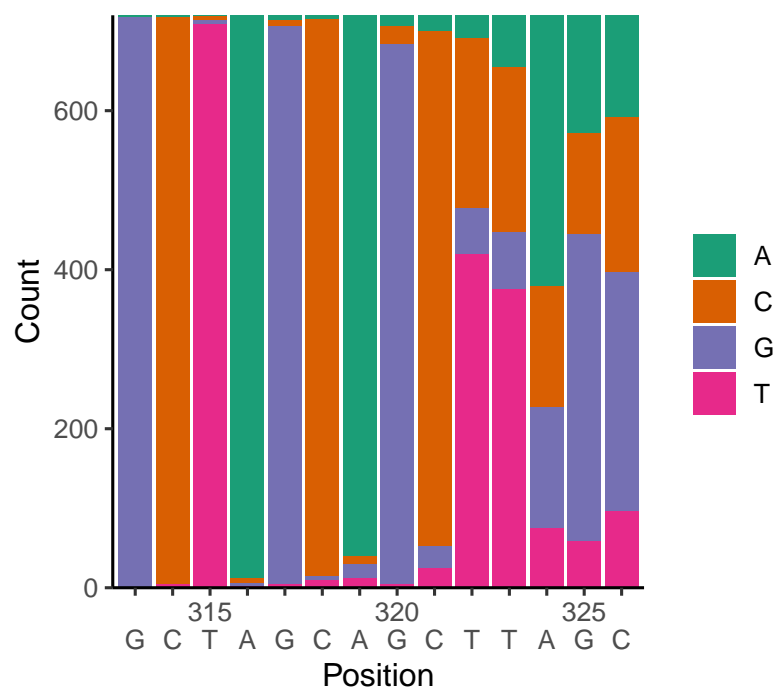


Gene TRBV7-1*ap01_G291C_T296C



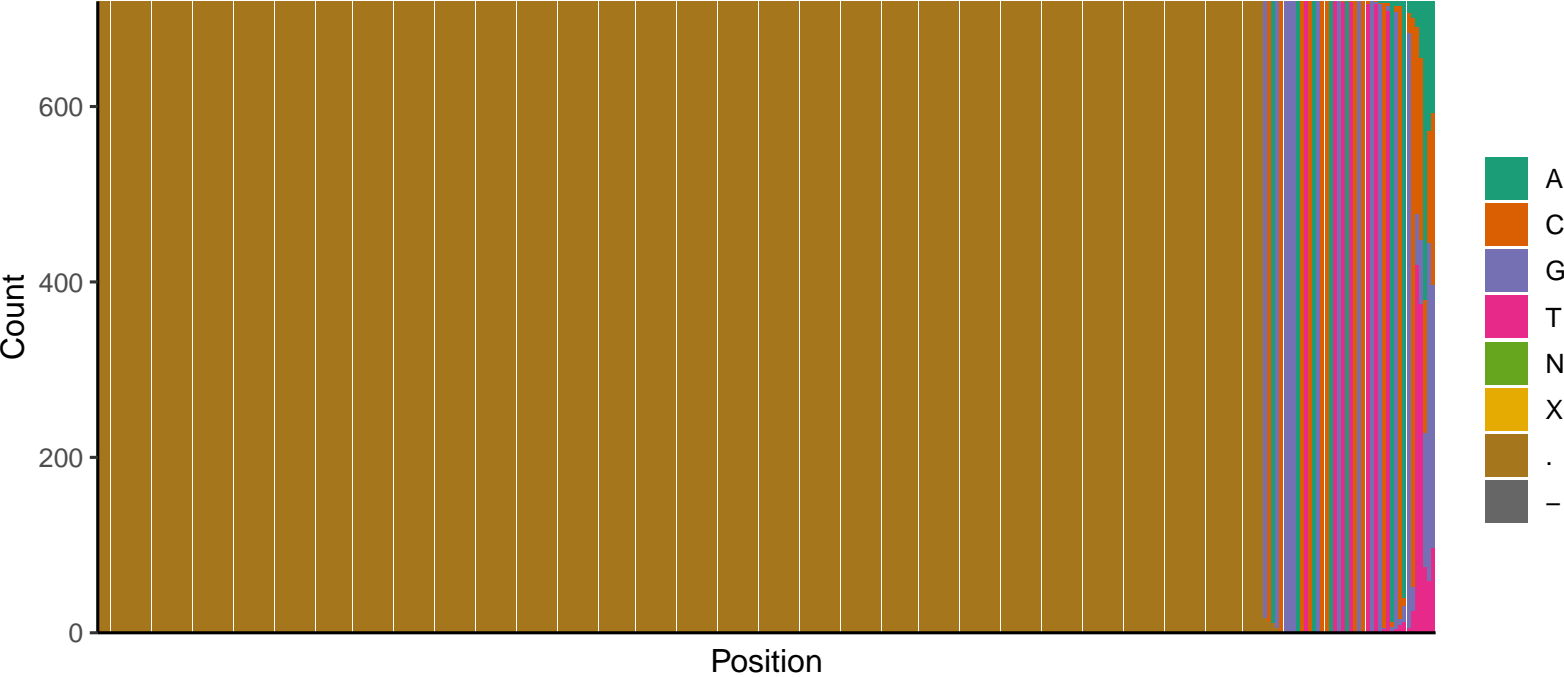
Gene TRBV7-7*ap01_C315T



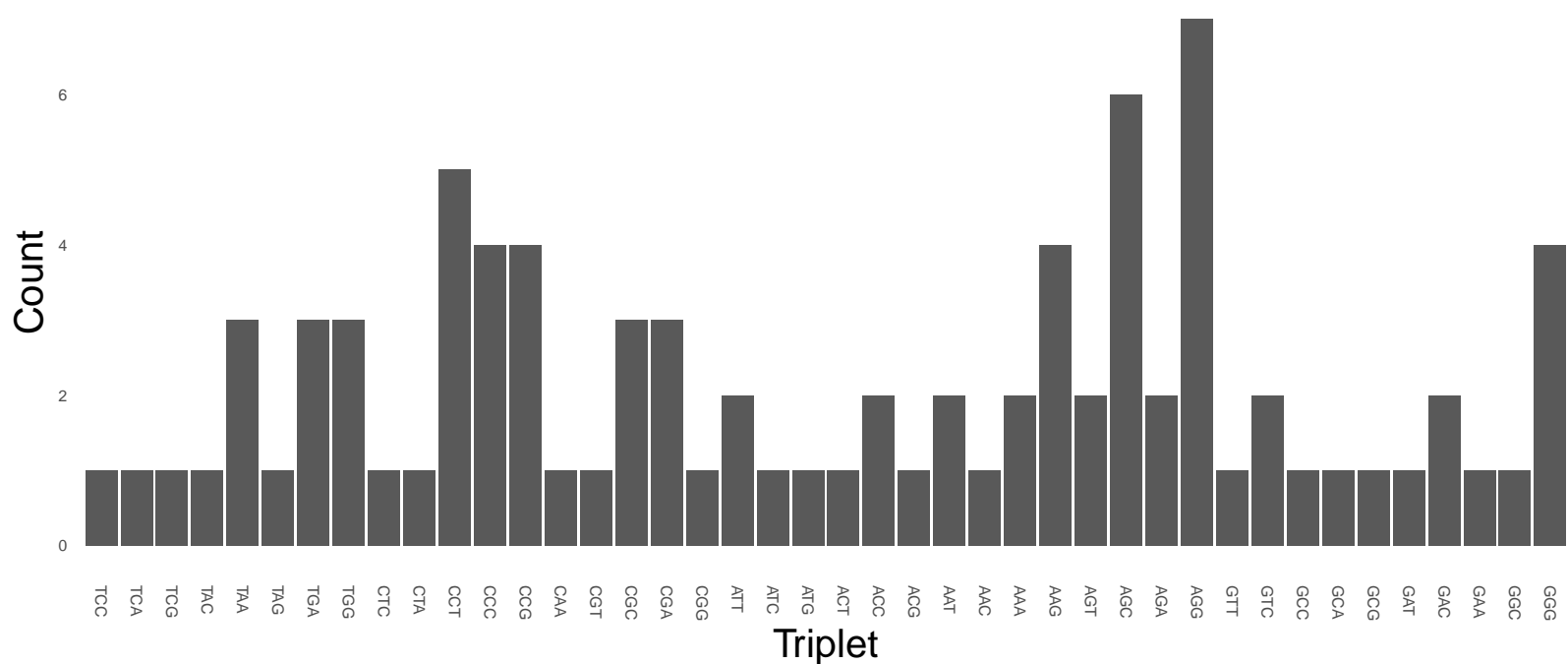
Gene TRBV7-1*ap01_G291C_T296C



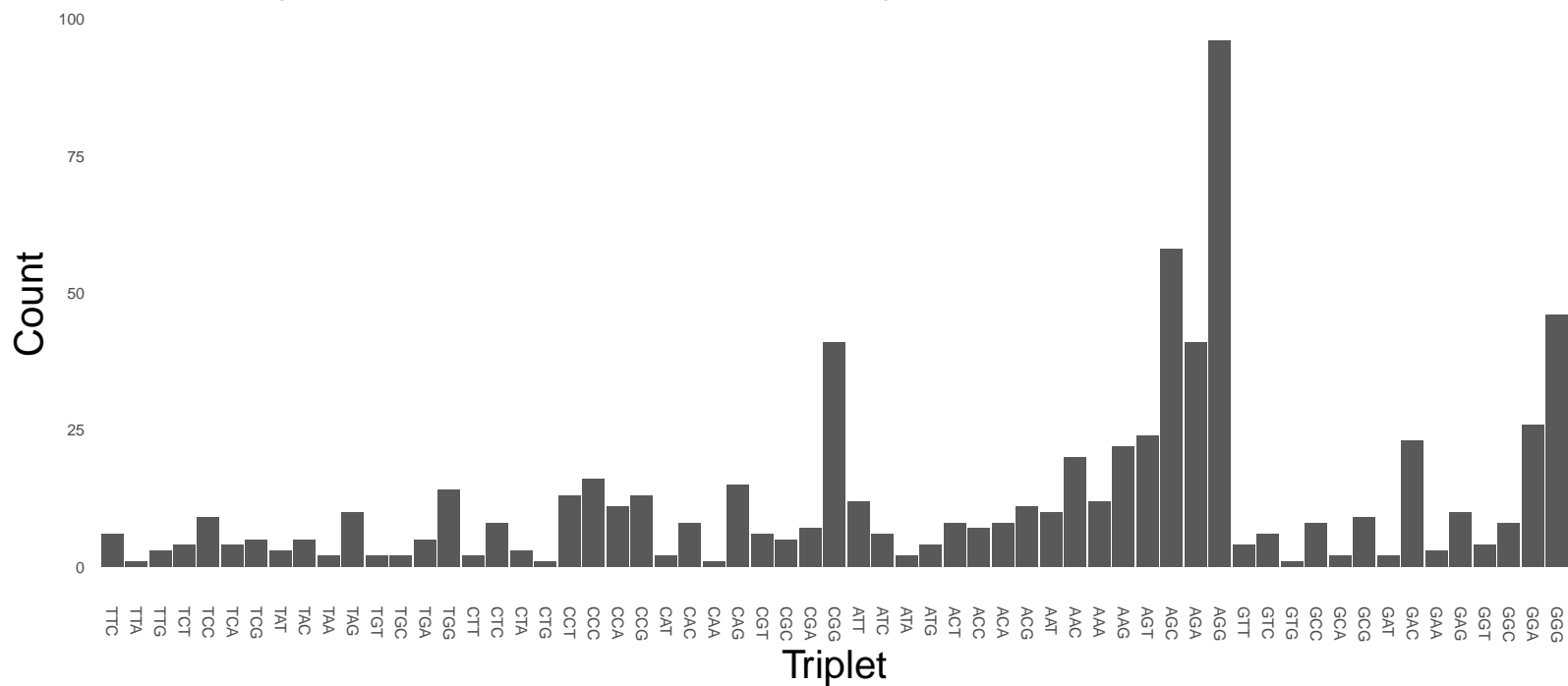
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

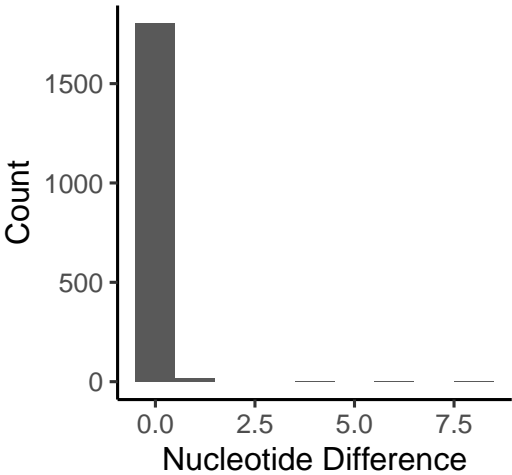


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



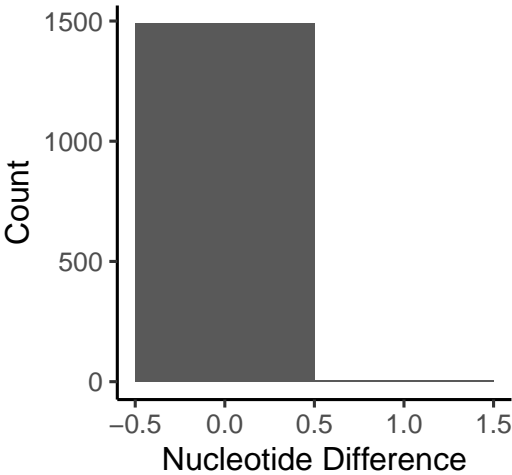
TRBV10-1*ap01

1823 sequences assigned
1803 (98.9%) exact matches, in which:
1768 unique CDR3
13 unique J



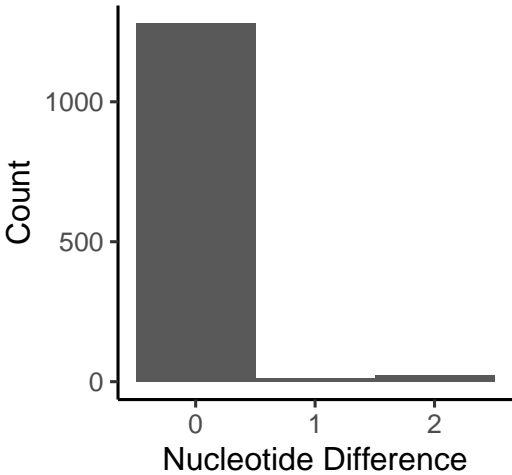
TRBV10-2*ap01

1498 sequences assigned
1490 (99.5%) exact matches, in which:
1451 unique CDR3
13 unique J



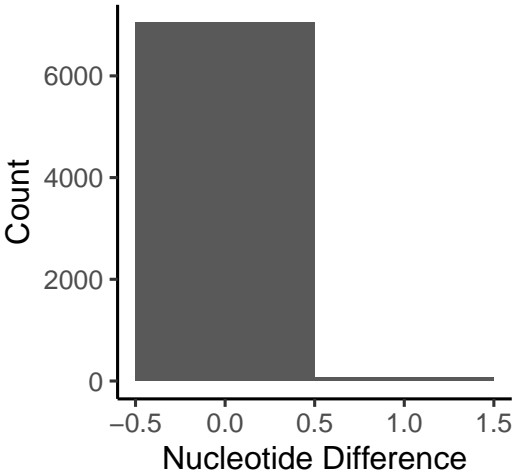
TRBV13*ap01

1316 sequences assigned
1280 (97.3%) exact matches, in which:
1237 unique CDR3
13 unique J



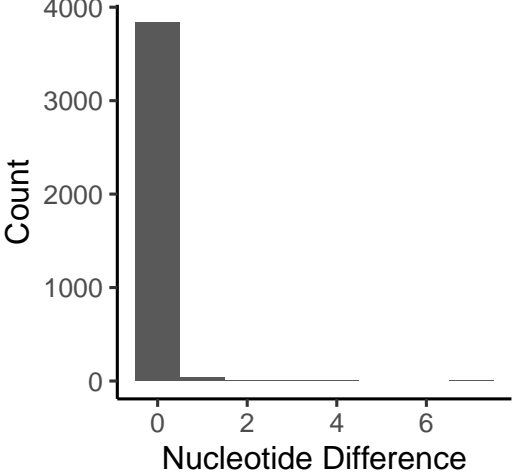
TRBV20-1*ap01

7114 sequences assigned
7045 (99%) exact matches, in which:
6939 unique CDR3
13 unique J



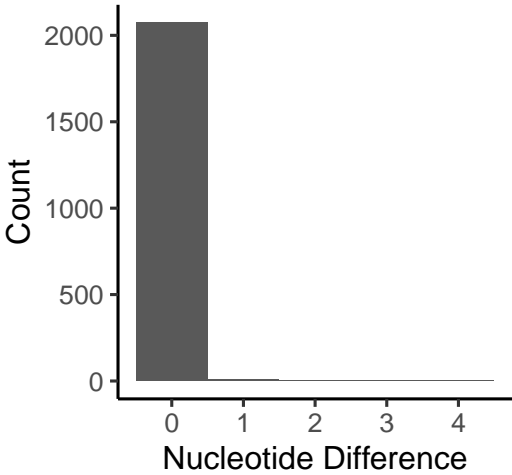
TRBV10-3*ap01

3883 sequences assigned
3834 (98.7%) exact matches, in which:
3744 unique CDR3
13 unique J



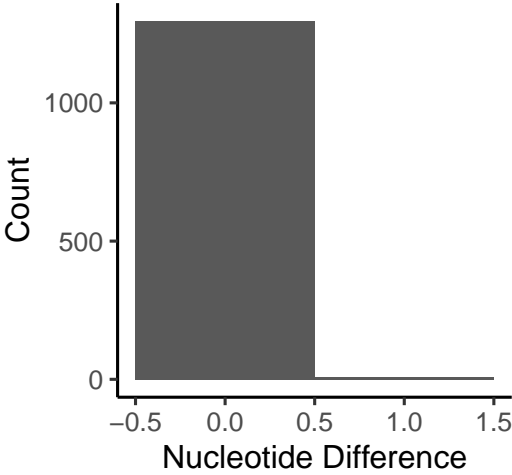
TRBV14*ap01

2086 sequences assigned
2073 (99.4%) exact matches, in which:
2026 unique CDR3
13 unique J



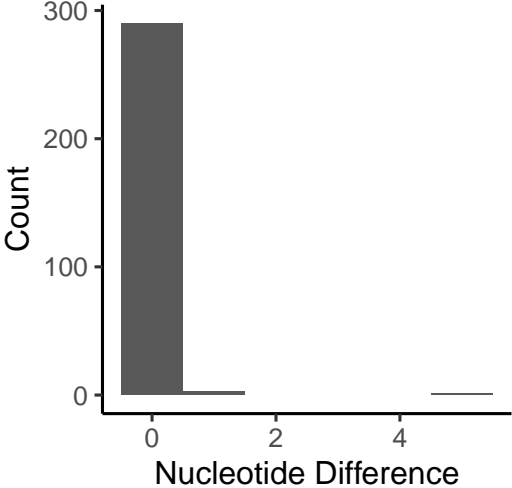
TRBV20-1*ap02

1304 sequences assigned
1296 (99.4%) exact matches, in which:
1270 unique CDR3
13 unique J



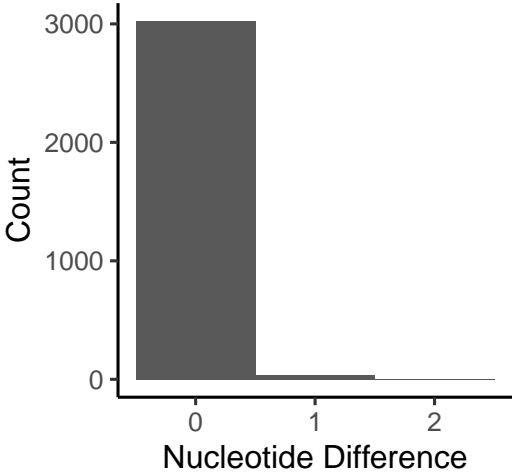
TRBV1*ap01

294 sequences assigned
290 (98.6%) exact matches, in which:
280 unique CDR3
13 unique J



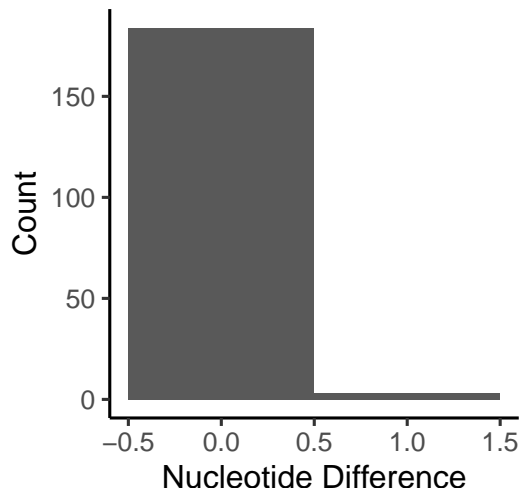
TRBV15*ap02

3061 sequences assigned
3024 (98.8%) exact matches, in which:
2924 unique CDR3
13 unique J



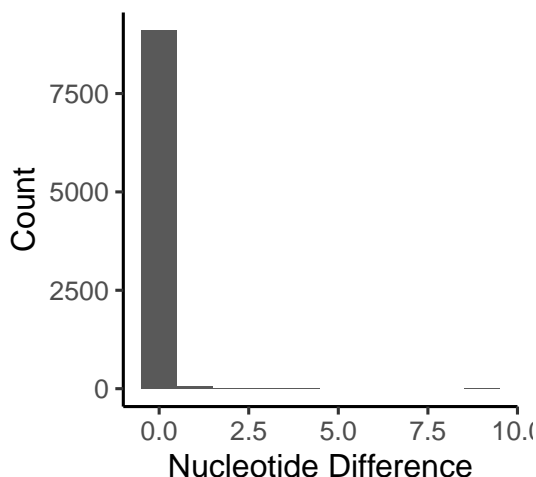
TRBV16*ap01

187 sequences assigned
184 (98.4%) exact matches, in which:
181 unique CDR3
13 unique J



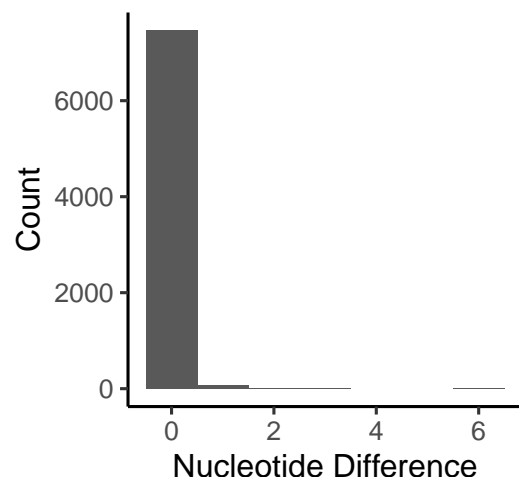
TRBV19*ap01

9181 sequences assigned
9104 (99.2%) exact matches, in which:
8995 unique CDR3
13 unique J



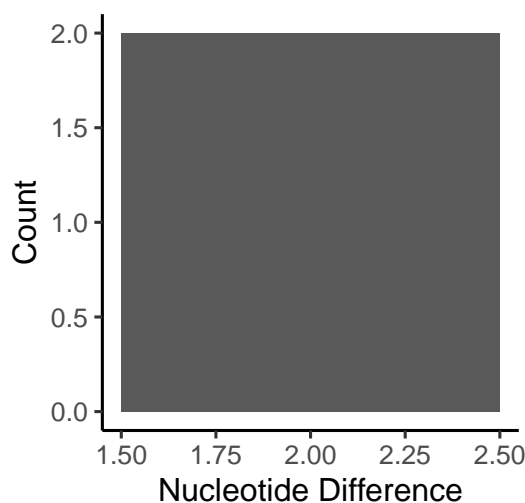
TRBV27*ap01

7543 sequences assigned
7464 (99%) exact matches, in which:
7276 unique CDR3
13 unique J



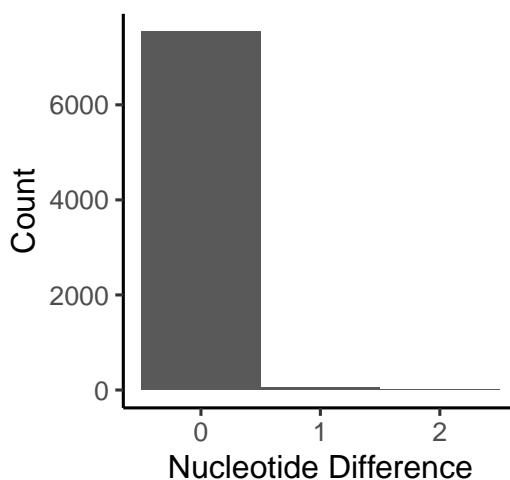
TRBV17*ap01

2 sequences assigned
No exact matches.



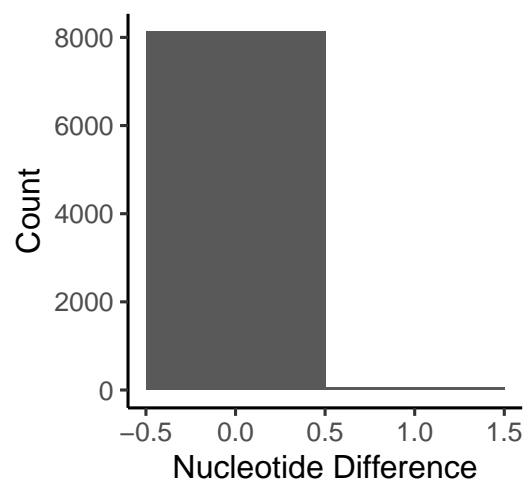
TRBV2*ap01

7598 sequences assigned
7538 (99.2%) exact matches, in which:
7391 unique CDR3
13 unique J



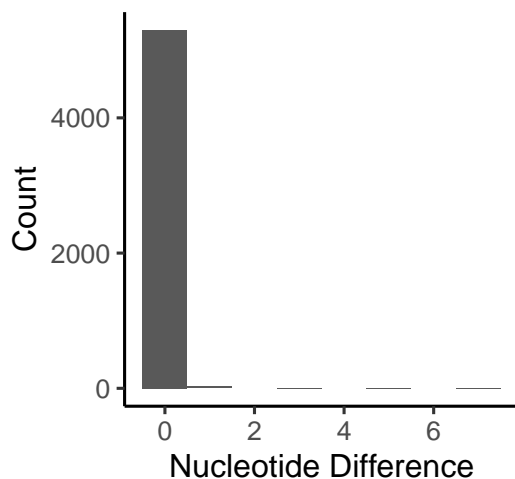
TRBV28*ap01

8196 sequences assigned
8129 (99.2%) exact matches, in which:
7962 unique CDR3
13 unique J



TRBV18*ap01

5329 sequences assigned
5299 (99.4%) exact matches, in which:
5233 unique CDR3
13 unique J



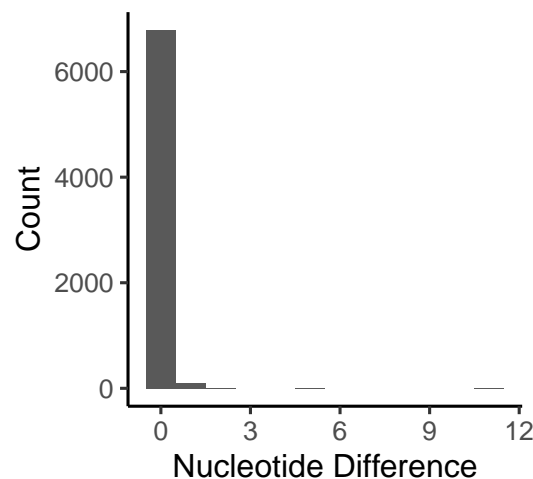
TRBV26*ap01

1 sequences assigned
No exact matches.



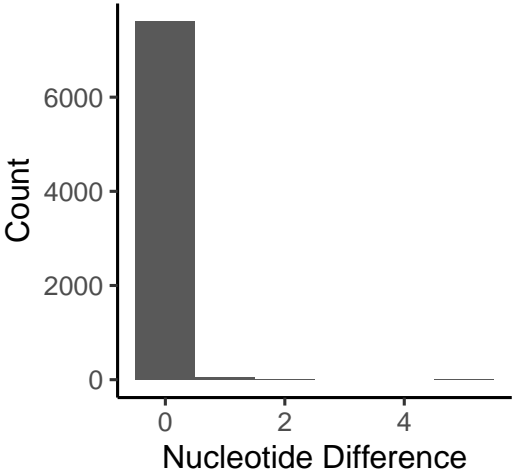
TRBV30*ap01

6897 sequences assigned
6787 (98.4%) exact matches, in which:
6600 unique CDR3
13 unique J



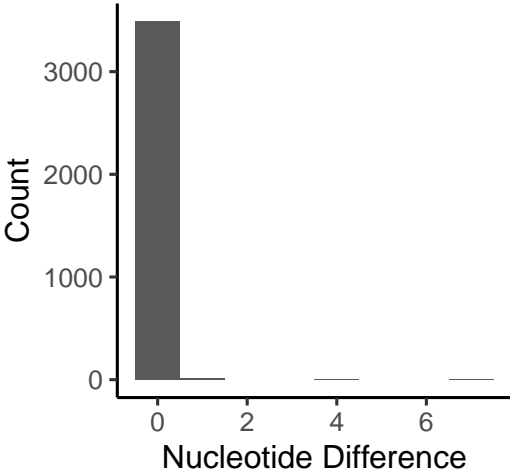
TRBV9*ap01

7670 sequences assigned
7609 (99.2%) exact matches, in which:
7490 unique CDR3
13 unique J



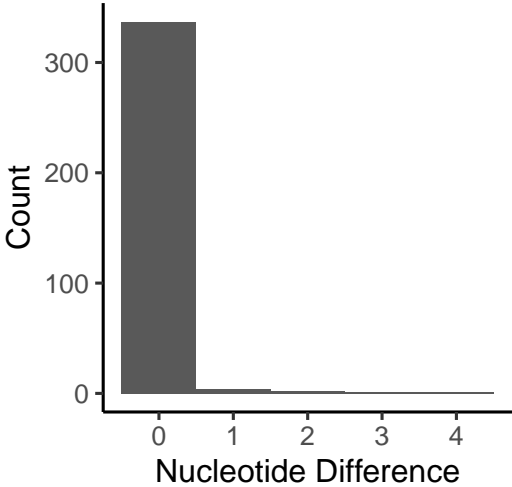
TRBV11-2*ap01

3506 sequences assigned
3489 (99.5%) exact matches, in which:
3449 unique CDR3
13 unique J



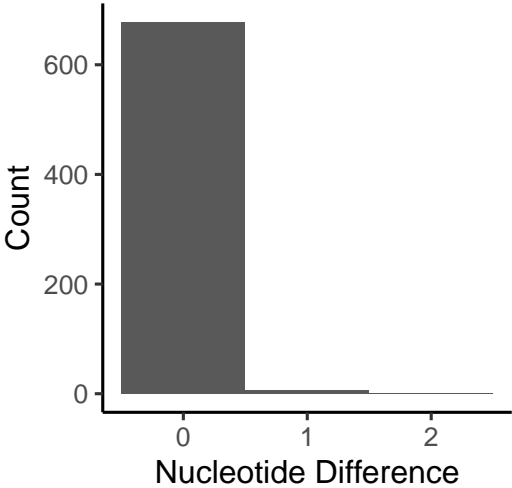
TRBV12-2*ap01

345 sequences assigned
337 (97.7%) exact matches, in which:
331 unique CDR3
13 unique J



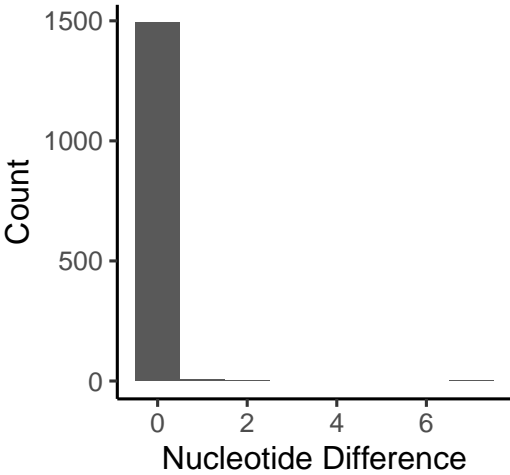
TRBV11-1*ap01

685 sequences assigned
678 (99%) exact matches, in which:
674 unique CDR3
13 unique J



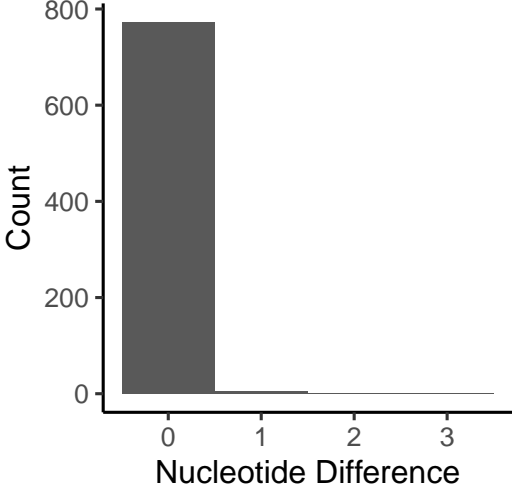
TRBV11-3*ap01

1500 sequences assigned
1492 (99.5%) exact matches, in which:
1482 unique CDR3
13 unique J



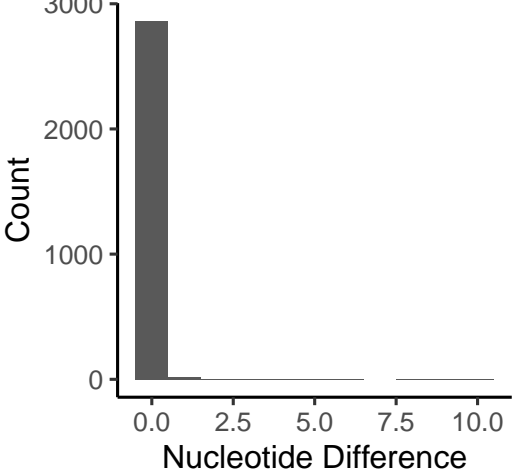
TRBV12-5*ap01

783 sequences assigned
773 (98.7%) exact matches, in which:
762 unique CDR3
13 unique J



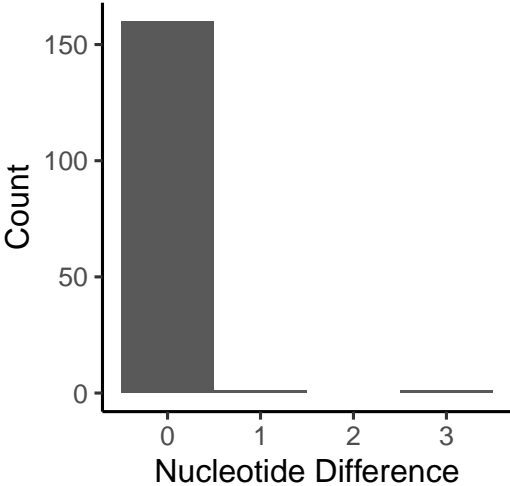
TRBV21-1*ap01

2895 sequences assigned
2862 (98.9%) exact matches, in which:
2825 unique CDR3
13 unique J



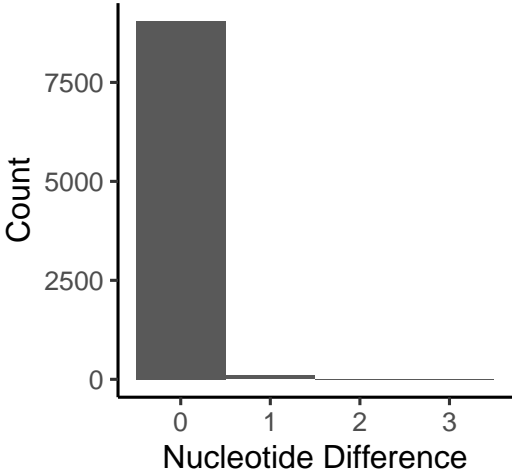
TRBV12-1*ap01

162 sequences assigned
160 (98.8%) exact matches, in which:
158 unique CDR3
13 unique J



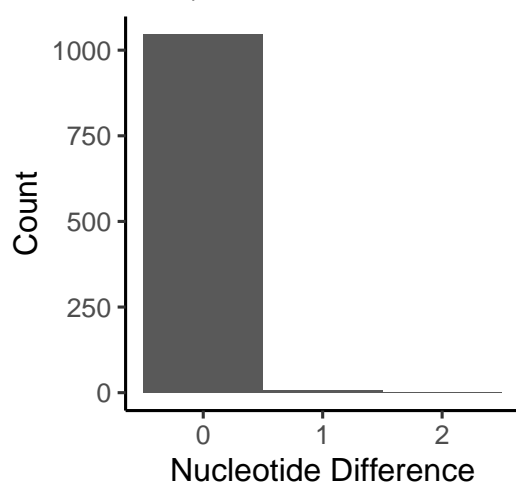
TRBV12-34*ap01

9155 sequences assigned
9050 (98.9%) exact matches, in which:
8838 unique CDR3
13 unique J



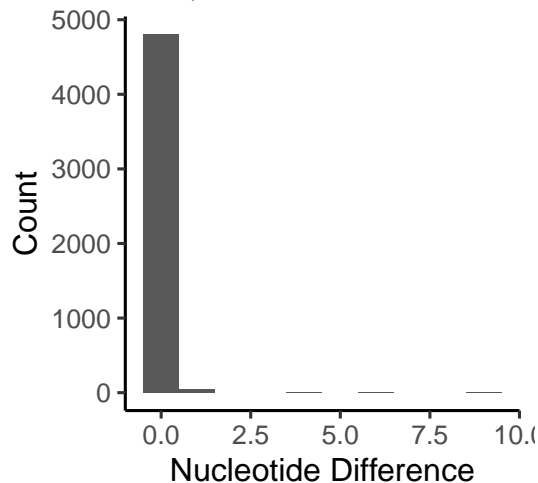
TRBV23-1*ap01

1055 sequences assigned
1046 (99.1%) exact matches, in which:
1024 unique CDR3
13 unique J



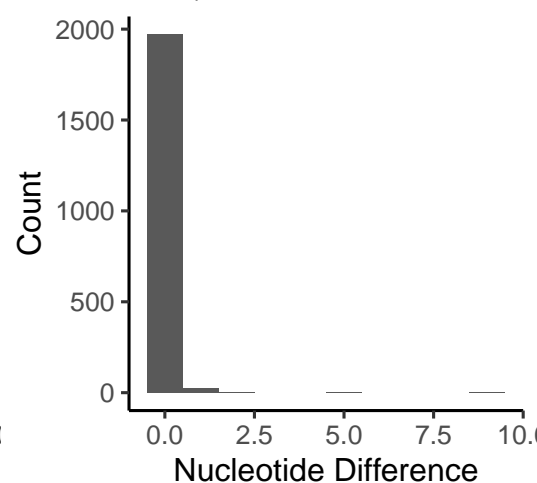
TRBV24-1*ap01

4855 sequences assigned
4803 (98.9%) exact matches, in which:
4692 unique CDR3
14 unique J



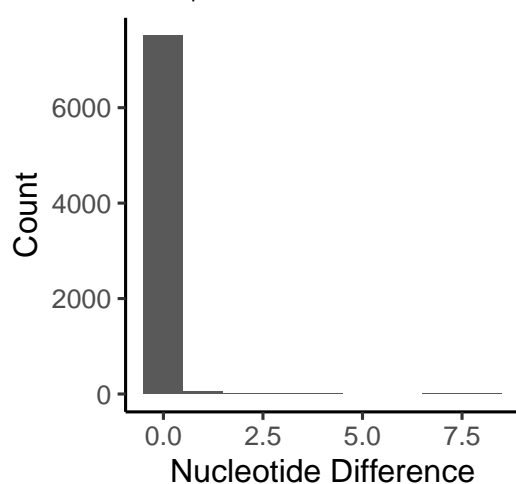
TRBV25-1*ap01

1997 sequences assigned
1971 (98.7%) exact matches, in which:
1909 unique CDR3
13 unique J



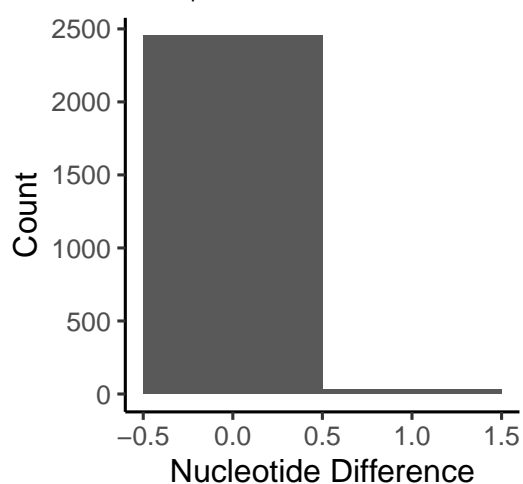
TRBV3-12*ap01

7569 sequences assigned
7508 (99.2%) exact matches, in which:
7402 unique CDR3
13 unique J



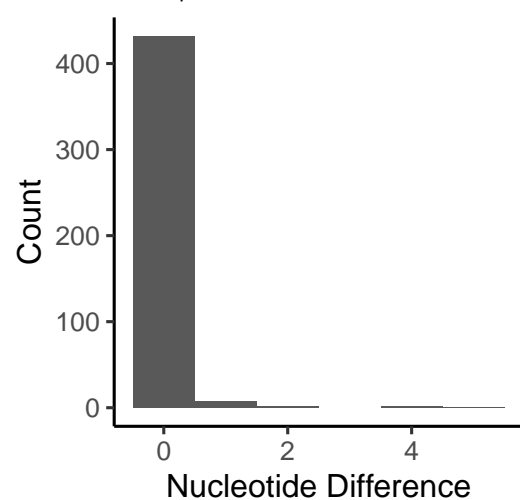
TRBV4-2*ap01

2483 sequences assigned
2453 (98.8%) exact matches, in which:
2392 unique CDR3
13 unique J



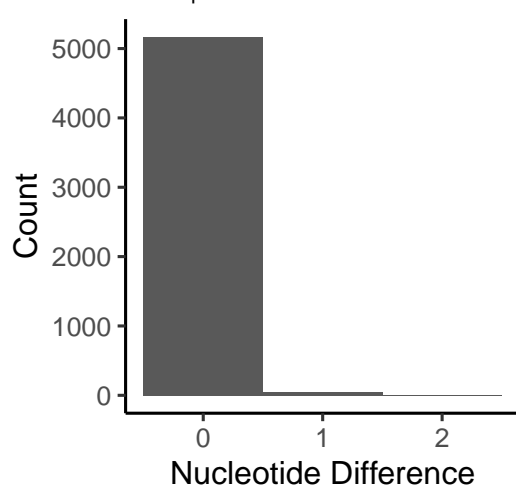
TRBV5-3*ap01

445 sequences assigned
432 (97.1%) exact matches, in which:
418 unique CDR3
13 unique J



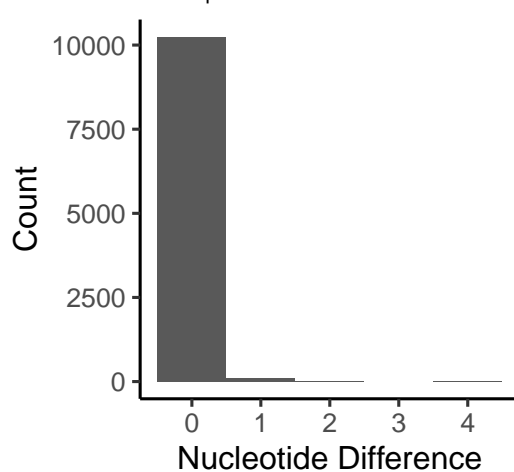
TRBV4-1*ap01

5216 sequences assigned
5166 (99%) exact matches, in which:
5005 unique CDR3
13 unique J



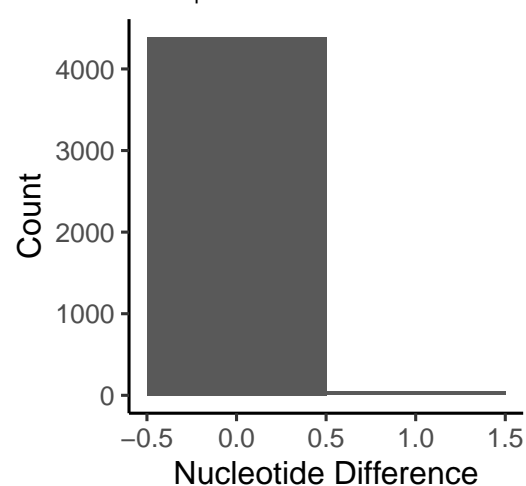
TRBV5-1*ap01

10349 sequences assigned
10246 (99%) exact matches, in which:
9936 unique CDR3
13 unique J



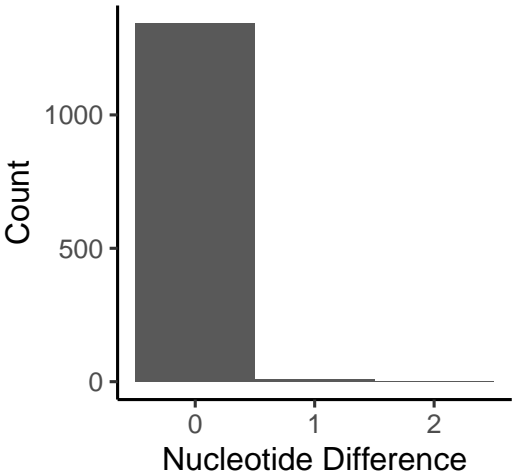
TRBV5-4*ap01

4436 sequences assigned
4391 (99%) exact matches, in which:
4282 unique CDR3
13 unique J



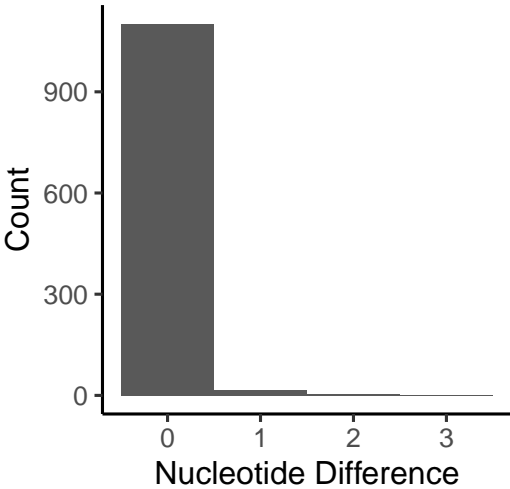
TRBV5-5*ap01

1352 sequences assigned
1343 (99.3%) exact matches, in which:
1330 unique CDR3
13 unique J



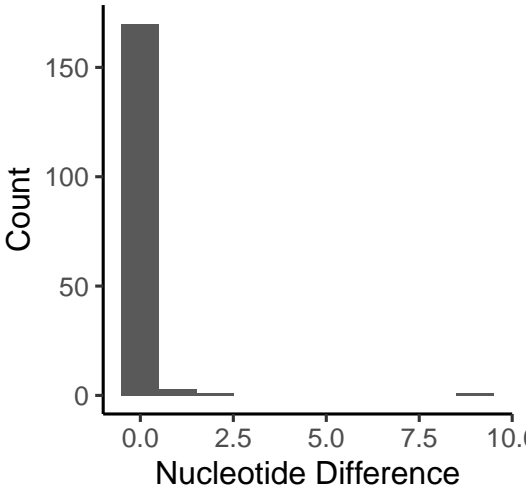
TRBV5-8*ap01

1123 sequences assigned
1102 (98.1%) exact matches, in which:
1080 unique CDR3
13 unique J



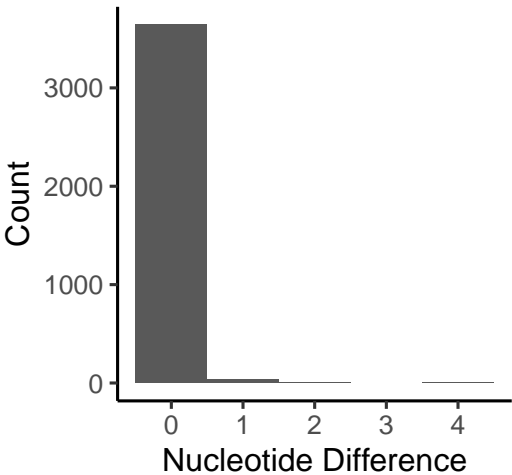
TRBV6-7*ap01

175 sequences assigned
170 (97.1%) exact matches, in which:
169 unique CDR3
13 unique J



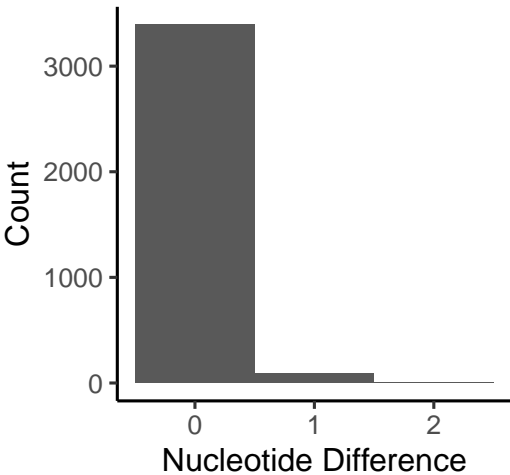
TRBV5-6*ap01

3680 sequences assigned
3642 (99%) exact matches, in which:
3495 unique CDR3
13 unique J



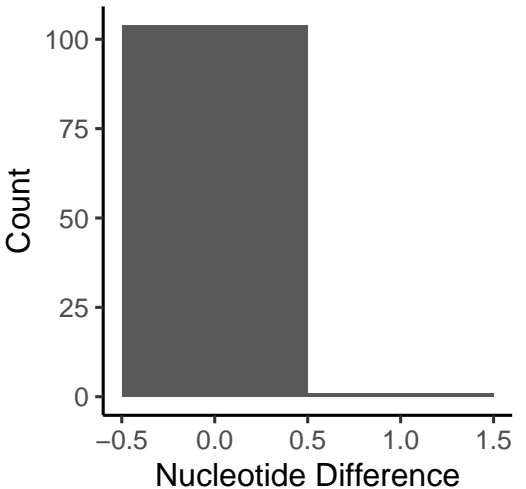
TRBV6-1*ap01

3482 sequences assigned
3392 (97.4%) exact matches, in which:
3303 unique CDR3
13 unique J



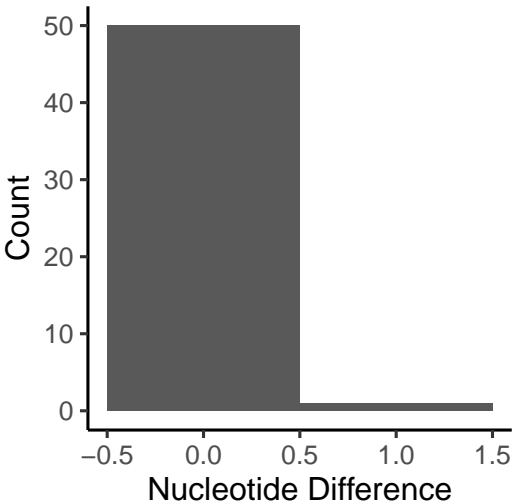
TRBV6-8*ap01

105 sequences assigned
104 (99%) exact matches, in which:
102 unique CDR3
11 unique J



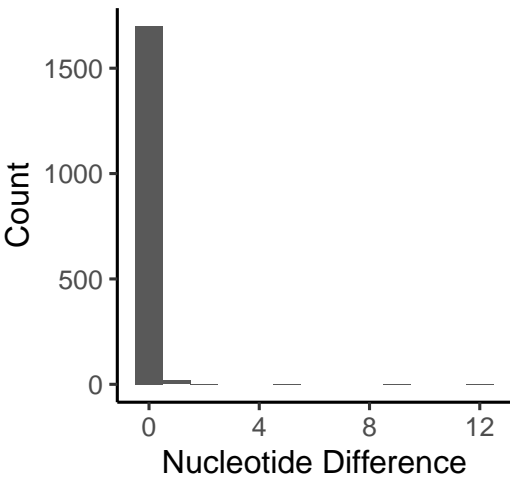
TRBV5-7*ap01

51 sequences assigned
50 (98%) exact matches, in which:
48 unique CDR3
13 unique J



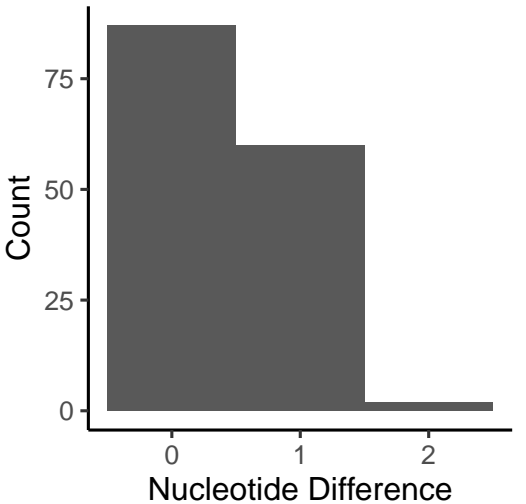
TRBV6-4*ap01

1723 sequences assigned
1700 (98.7%) exact matches, in which:
1671 unique CDR3
13 unique J



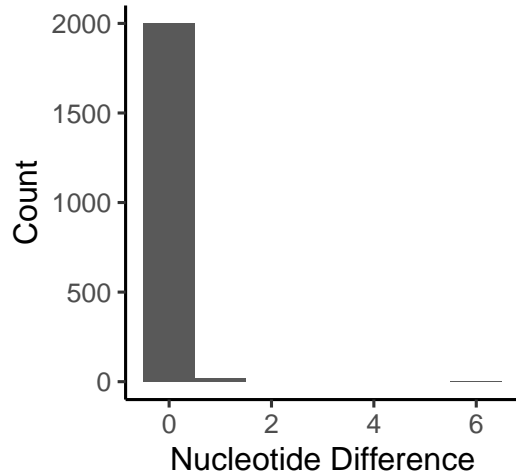
TRBV6-9*ap01

149 sequences assigned
87 (58.4%) exact matches, in which:
84 unique CDR3
12 unique J



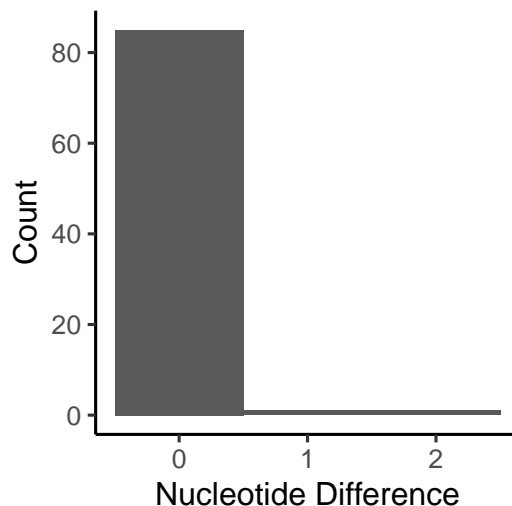
TRBV6–23*ap01

2021 sequences assigned
2000 (99%) exact matches, in which:
1943 unique CDR3
13 unique J



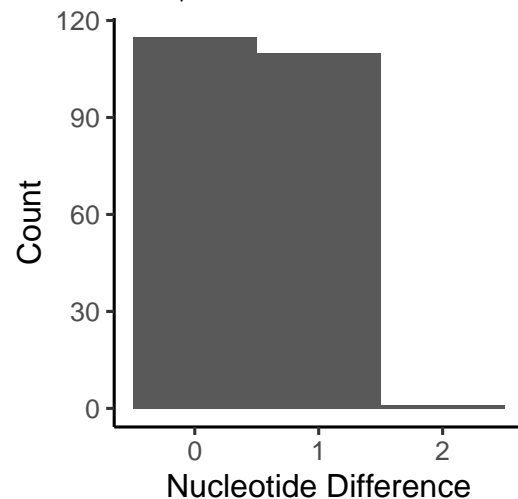
TRBV7–1*ap01_G291C_T

87 sequences assigned
85 (97.7%) exact matches, in which:
84 unique CDR3
12 unique J



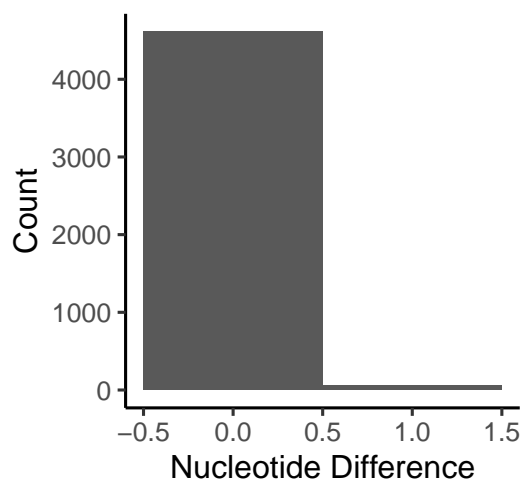
TRBV7–4*ap01

226 sequences assigned
115 (50.9%) exact matches, in which:
111 unique CDR3
12 unique J



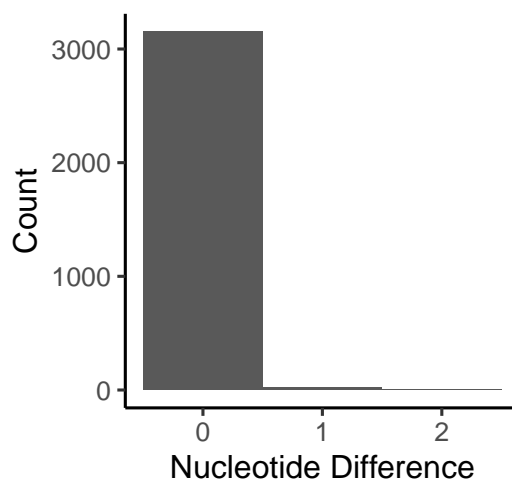
TRBV6–56*ap01

4673 sequences assigned
4612 (98.7%) exact matches, in which:
4448 unique CDR3
13 unique J



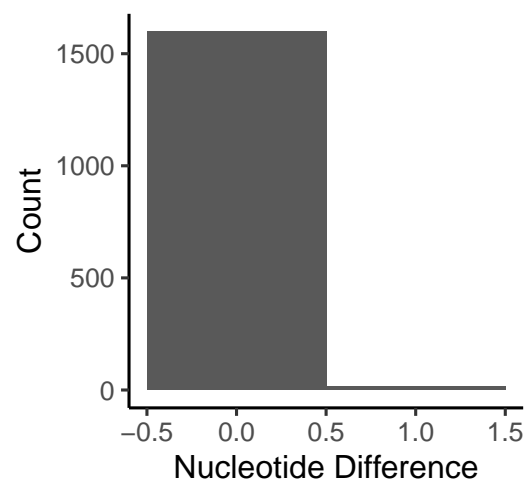
TRBV7–2*ap01

3177 sequences assigned
3152 (99.2%) exact matches, in which:
3094 unique CDR3
13 unique J



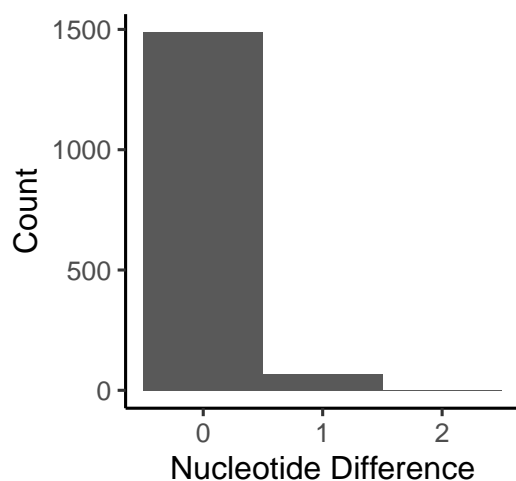
TRBV7–6*ap01

1613 sequences assigned
1598 (99.1%) exact matches, in which:
1552 unique CDR3
13 unique J



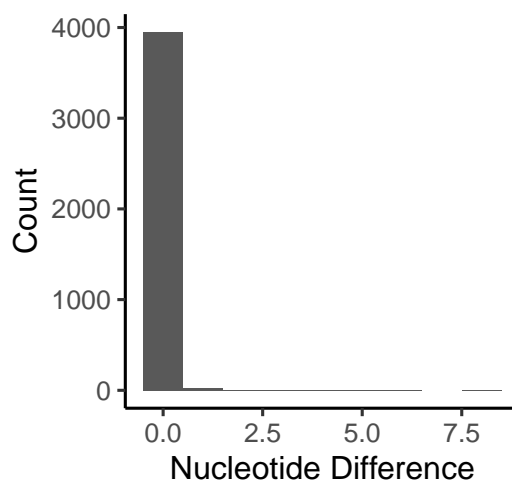
TRBV6–56*ap02

1559 sequences assigned
1489 (95.5%) exact matches, in which:
1446 unique CDR3
13 unique J



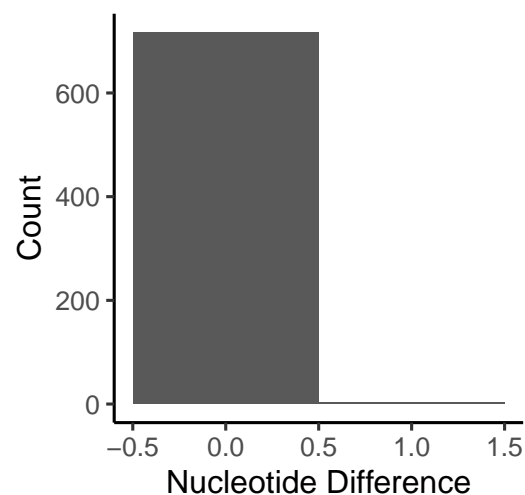
TRBV7–3*ap01

3980 sequences assigned
3950 (99.2%) exact matches, in which:
3887 unique CDR3
13 unique J



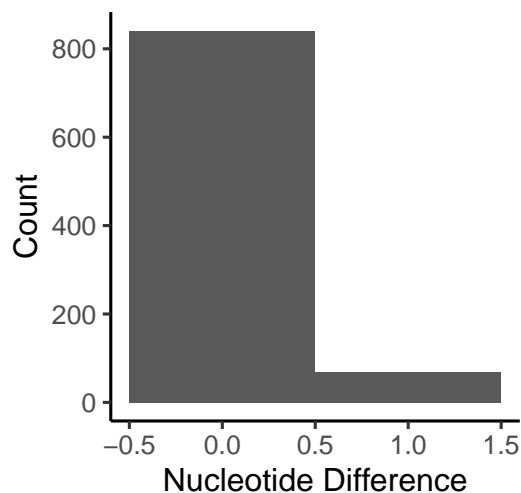
TRBV7–7*ap01_C315T

720 sequences assigned
717 (99.6%) exact matches, in which:
702 unique CDR3
13 unique J



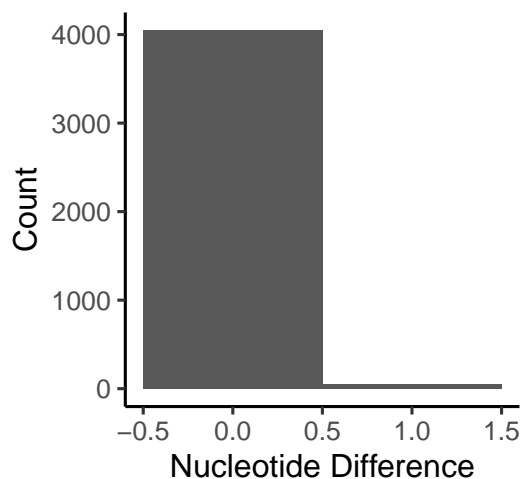
TRBV7-8*ap01

910 sequences assigned
841 (92.4%) exact matches, in which:
816 unique CDR3
13 unique J



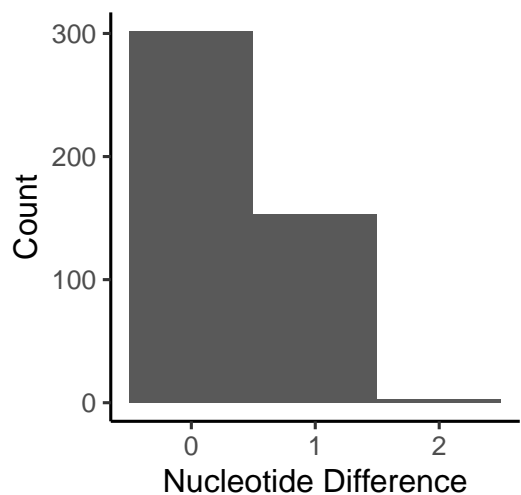
TRBV29-1*ap01

4094 sequences assigned
4047 (98.9%) exact matches, in which:
3896 unique CDR3
13 unique J



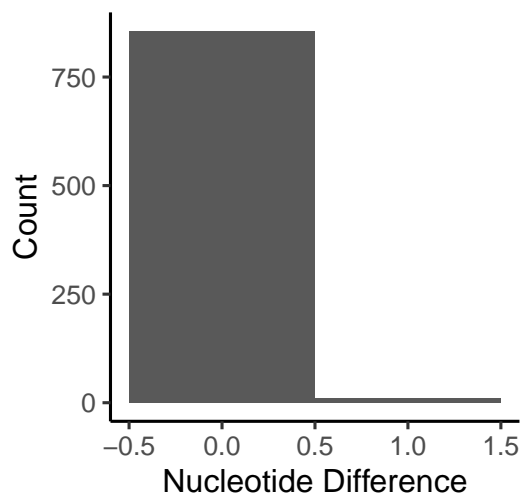
TRBV7-8*ap03

458 sequences assigned
302 (65.9%) exact matches, in which:
296 unique CDR3
13 unique J



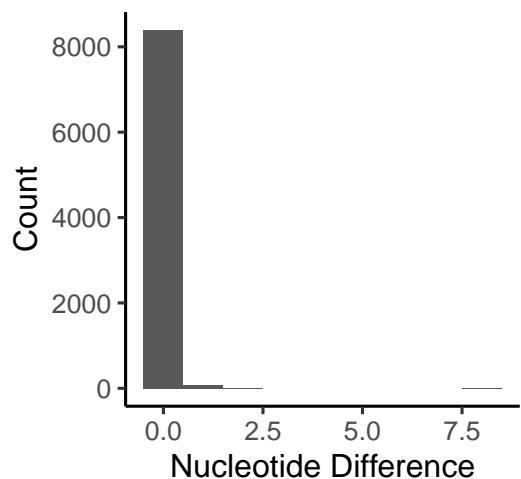
TRBV29-1*ap02

867 sequences assigned
856 (98.7%) exact matches, in which:
825 unique CDR3
13 unique J

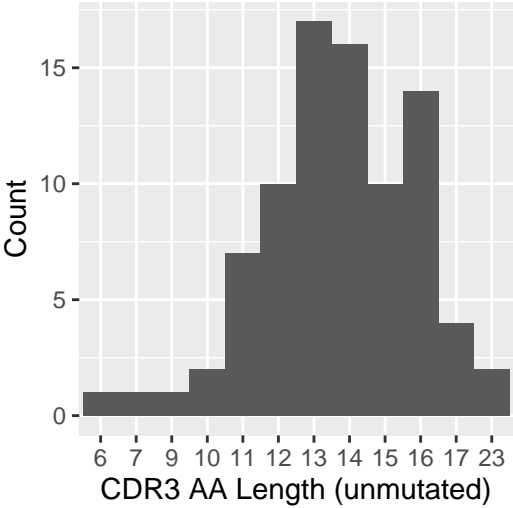


TRBV7-9*ap01

8473 sequences assigned
8393 (99.1%) exact matches, in which:
8213 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

