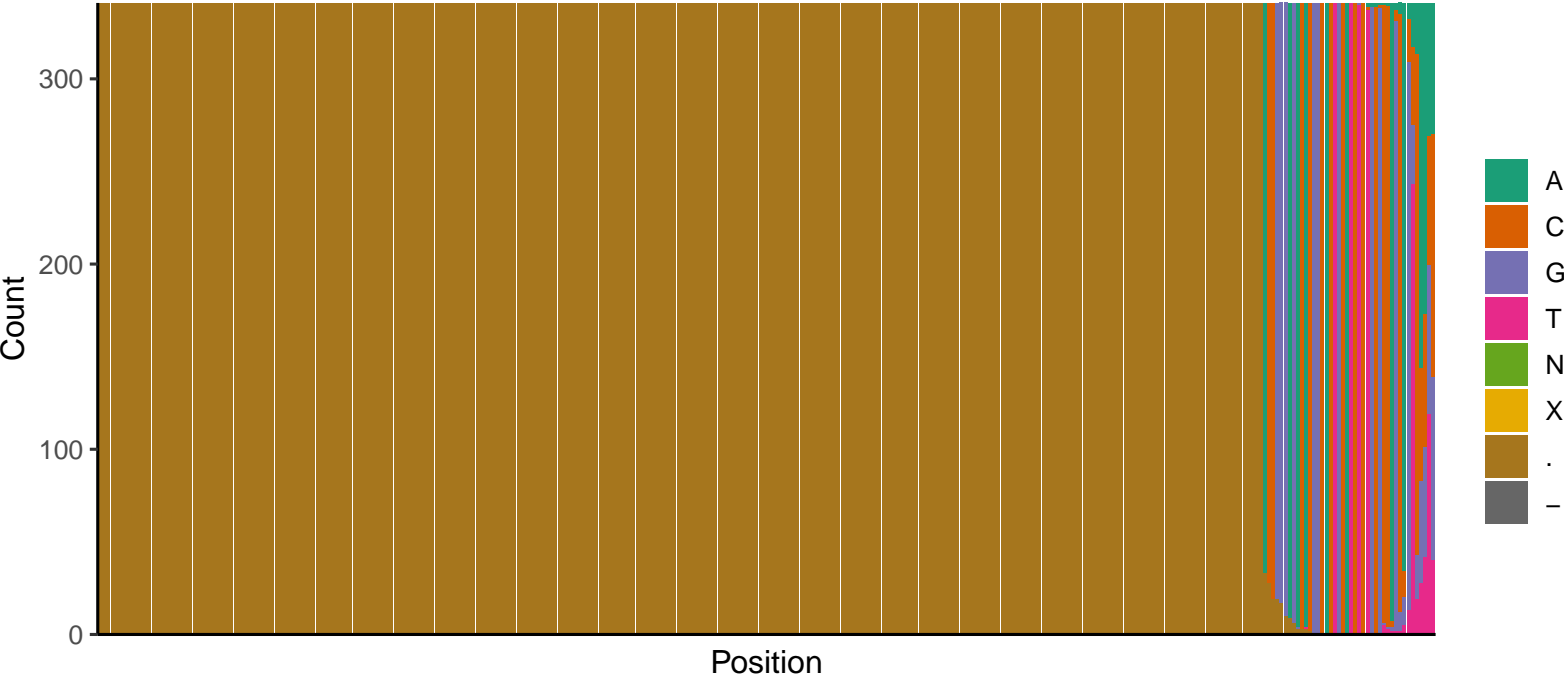
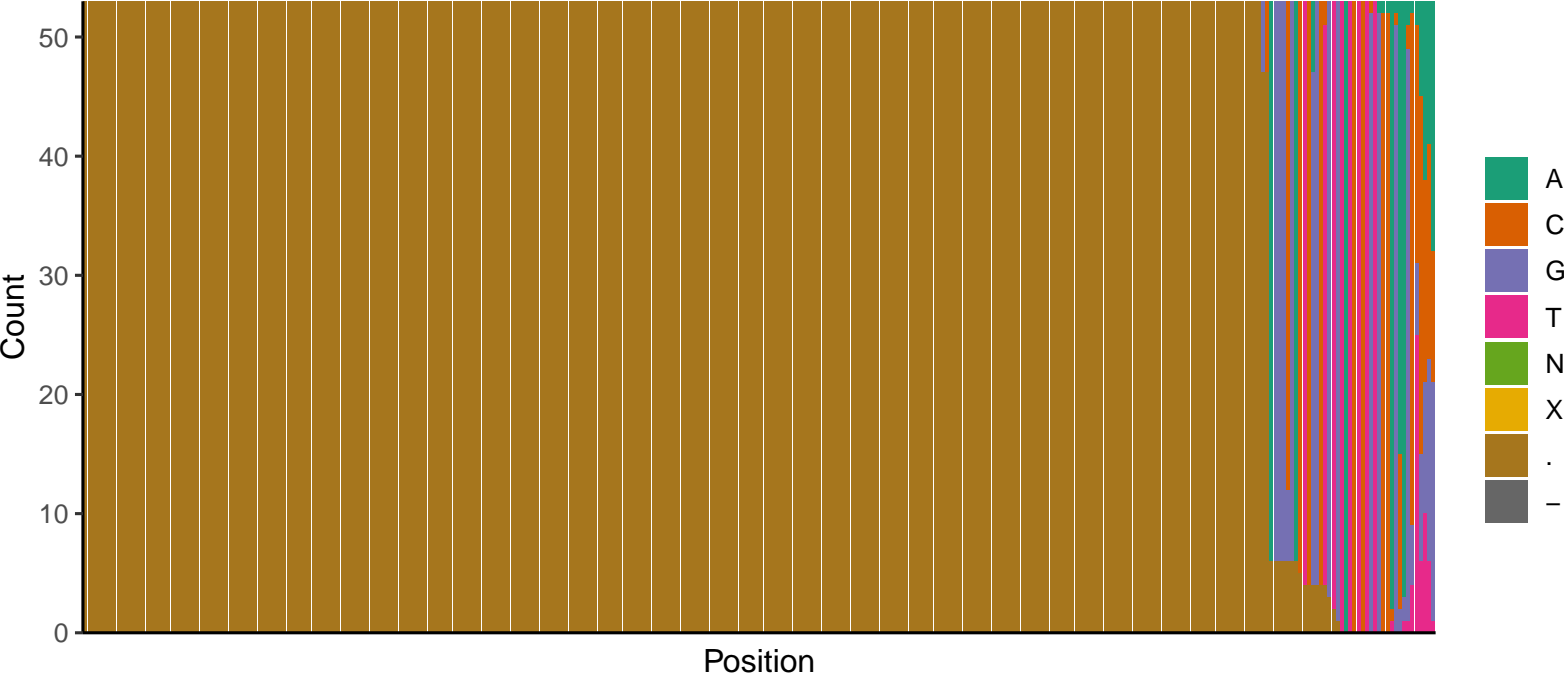


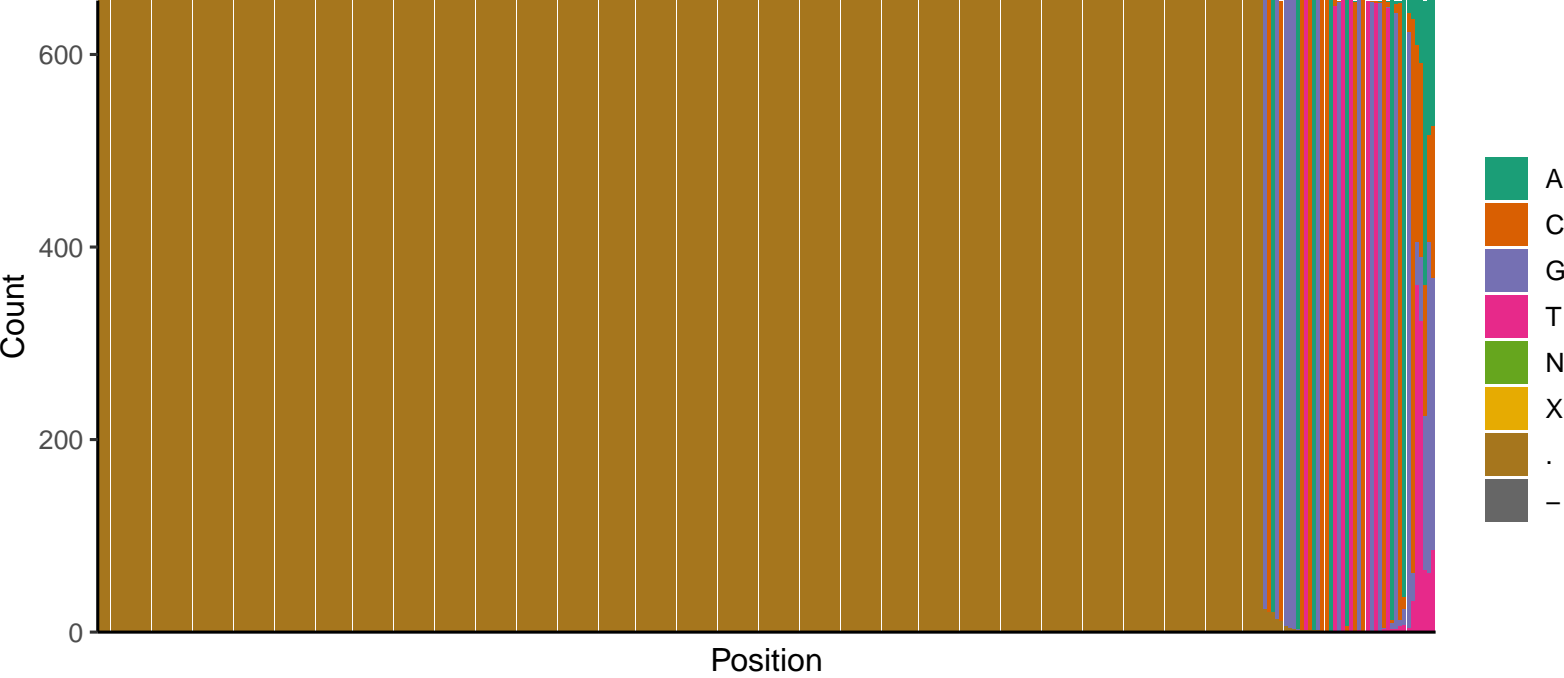
Gene TRBV23-1*ap01_T304C



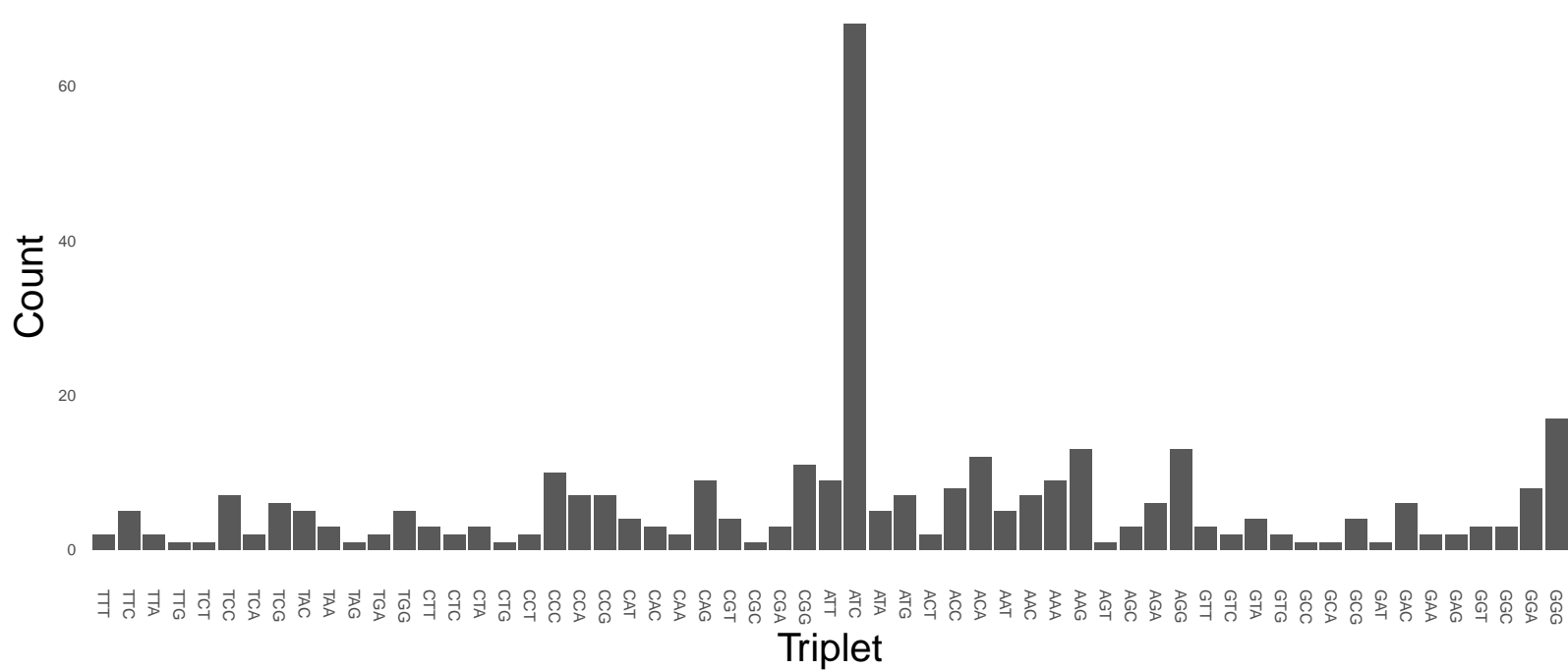
Gene TRBV7-1*ap01_T296C



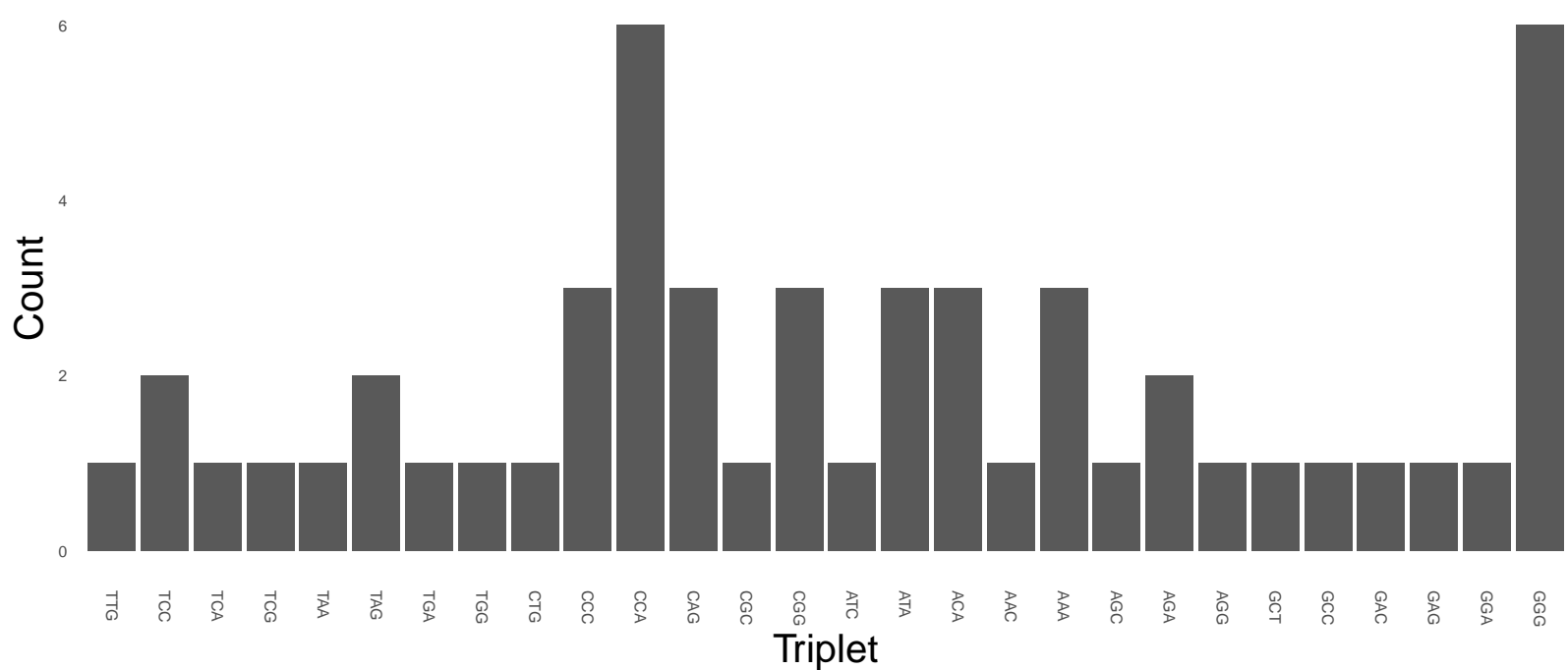
Gene TRBV7-7*ap01_C315T



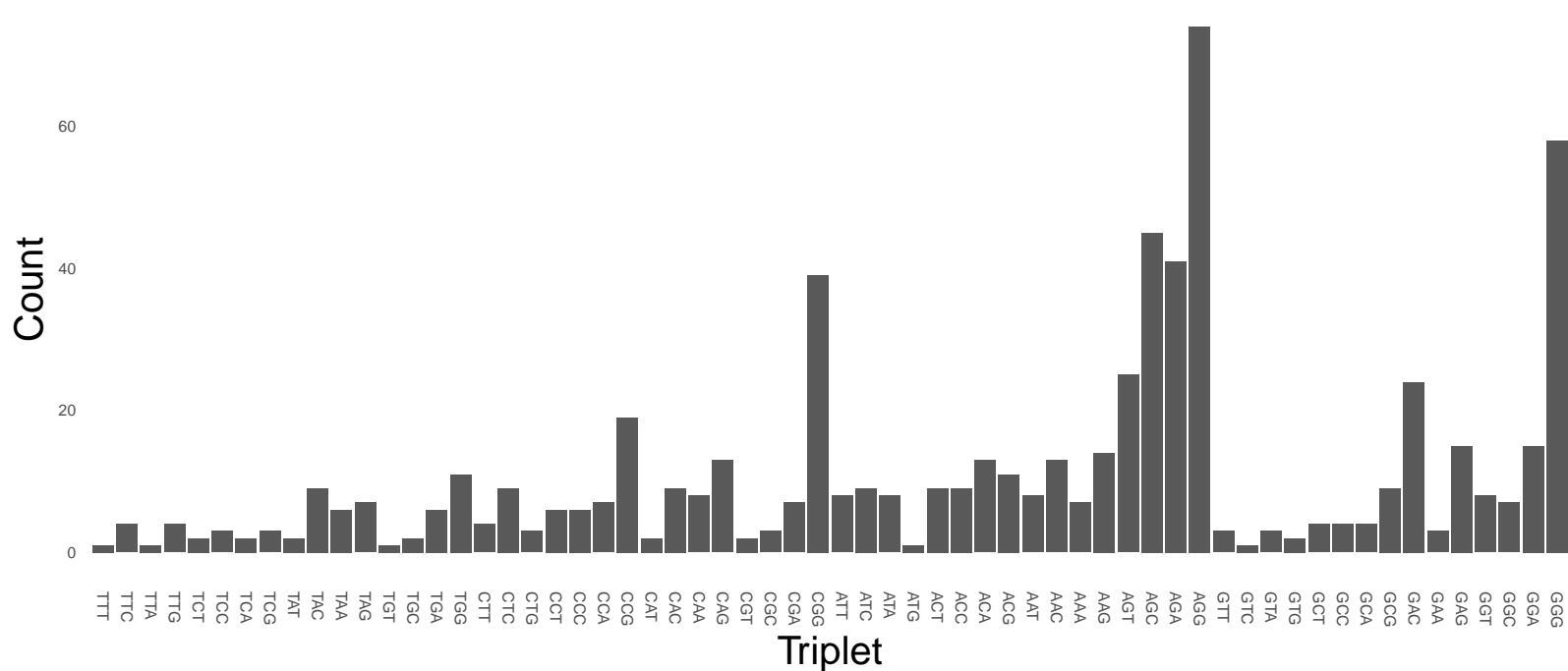
TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet



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

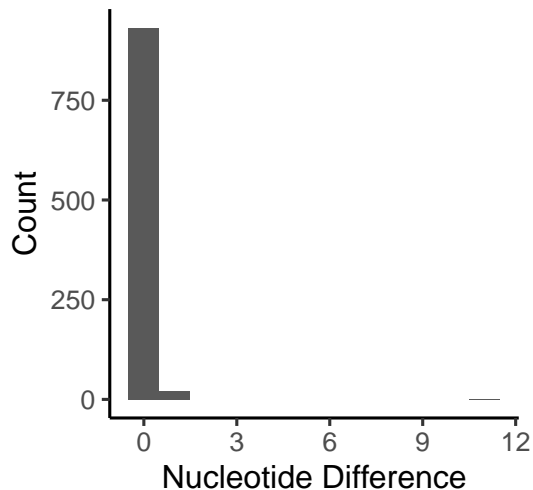


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



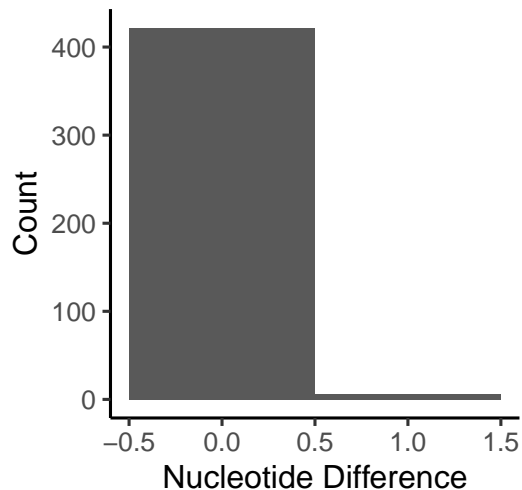
TRBV10–1*ap01

954 sequences assigned
932 (97.7%) exact matches, in which:
929 unique CDR3
13 unique J



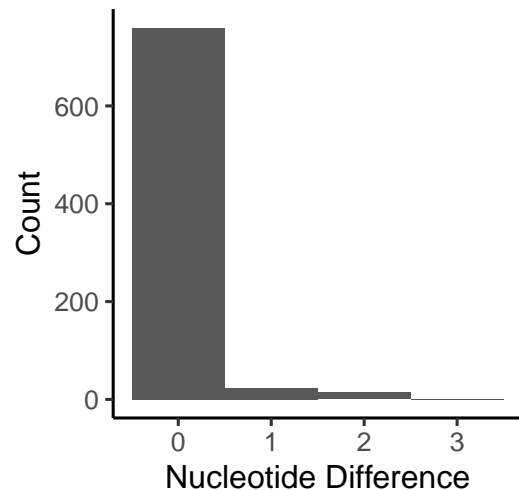
TRBV10–2*ap01

428 sequences assigned
422 (98.6%) exact matches, in which:
418 unique CDR3
13 unique J



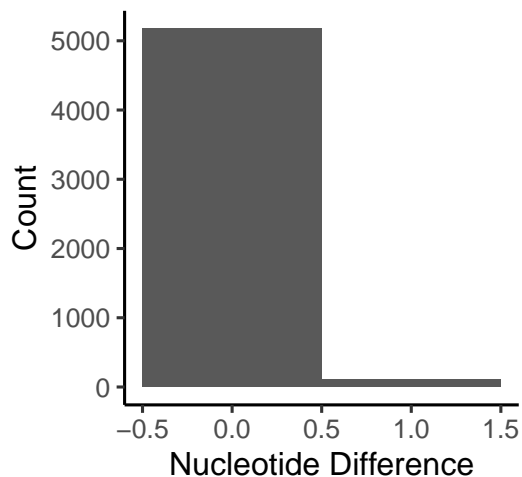
TRBV13*ap01

798 sequences assigned
760 (95.2%) exact matches, in which:
750 unique CDR3
13 unique J



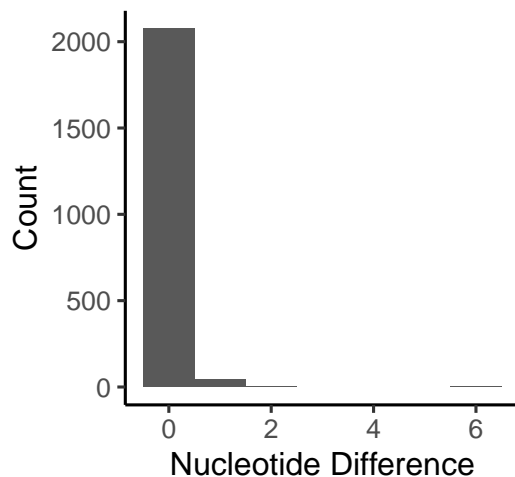
TRBV20–1*ap01

5280 sequences assigned
5174 (98%) exact matches, in which:
5121 unique CDR3
13 unique J



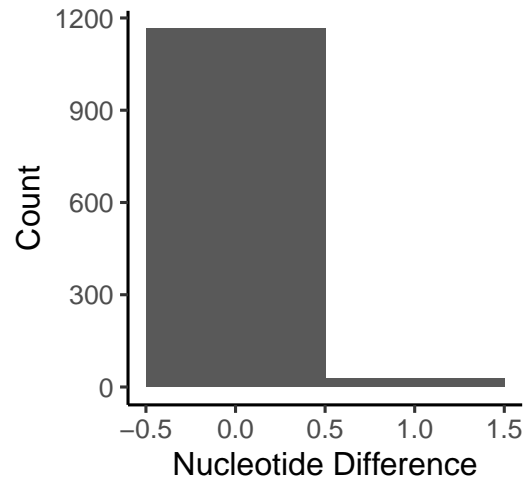
TRBV10–3*ap01

2123 sequences assigned
2075 (97.7%) exact matches, in which:
2050 unique CDR3
13 unique J



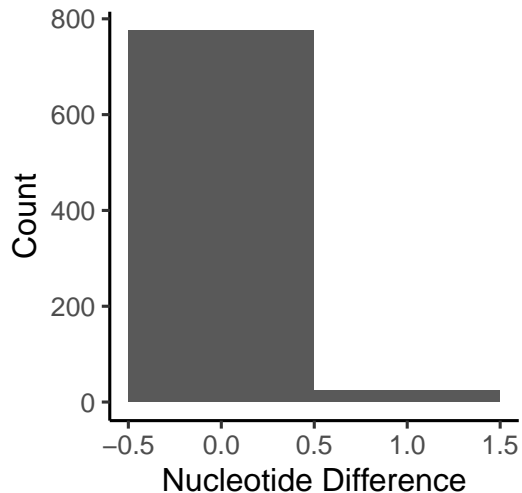
TRBV14*ap01

1193 sequences assigned
1165 (97.7%) exact matches, in which:
1158 unique CDR3
13 unique J



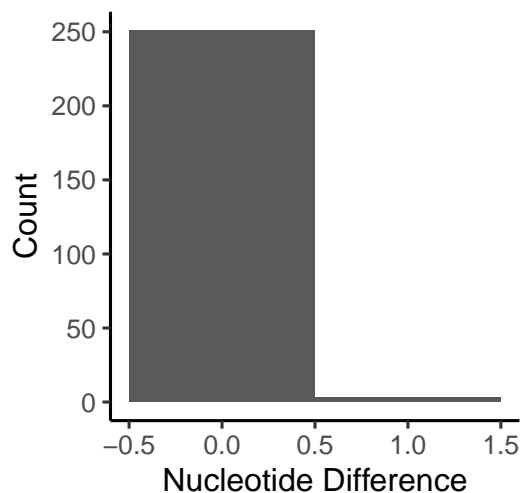
TRBV20–1*ap02

800 sequences assigned
776 (97%) exact matches, in which:
771 unique CDR3
13 unique J



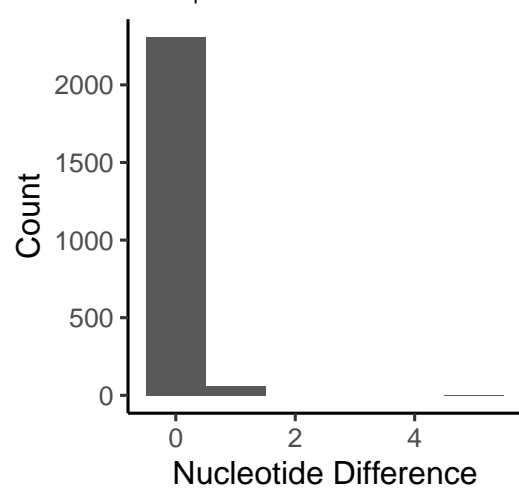
TRBV1*ap01

254 sequences assigned
251 (98.8%) exact matches, in which:
246 unique CDR3
12 unique J



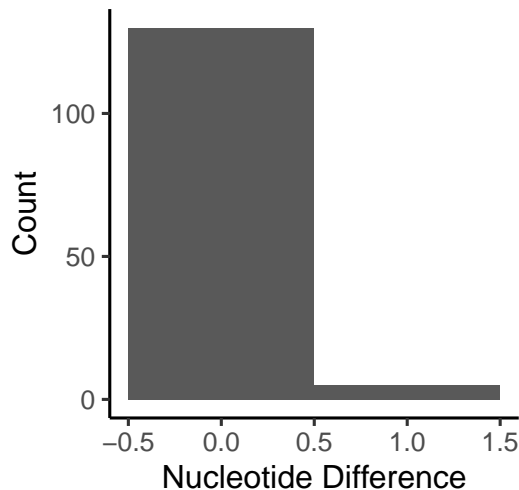
TRBV15*ap02

2370 sequences assigned
2308 (97.4%) exact matches, in which:
2277 unique CDR3
13 unique J



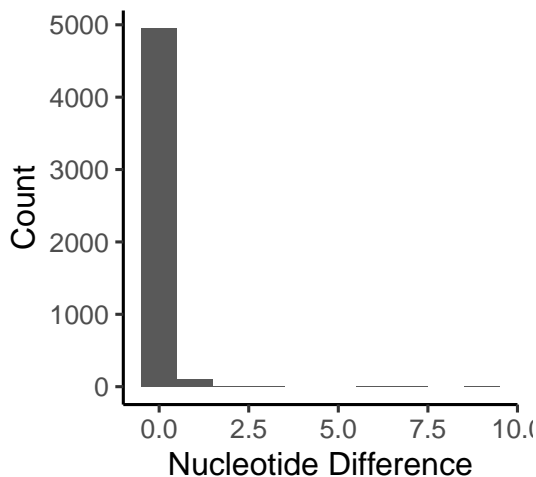
TRBV16*ap01

135 sequences assigned
130 (96.3%) exact matches, in which:
129 unique CDR3
12 unique J



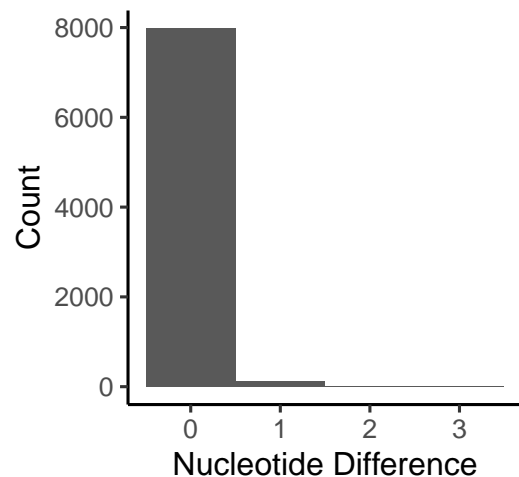
TRBV19*ap01

5055 sequences assigned
4950 (97.9%) exact matches, in which:
4910 unique CDR3
13 unique J



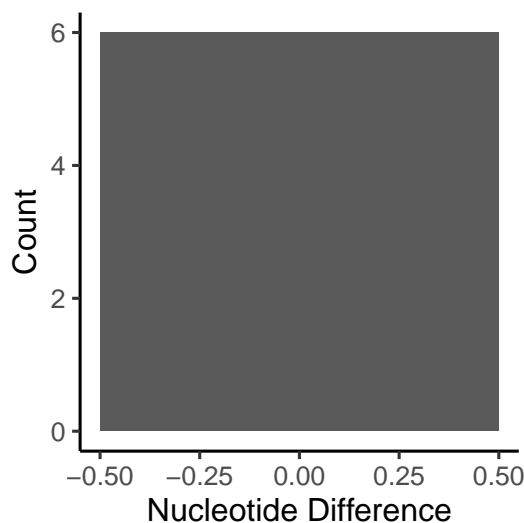
TRBV28*ap01

8115 sequences assigned
7981 (98.3%) exact matches, in which:
7915 unique CDR3
13 unique J



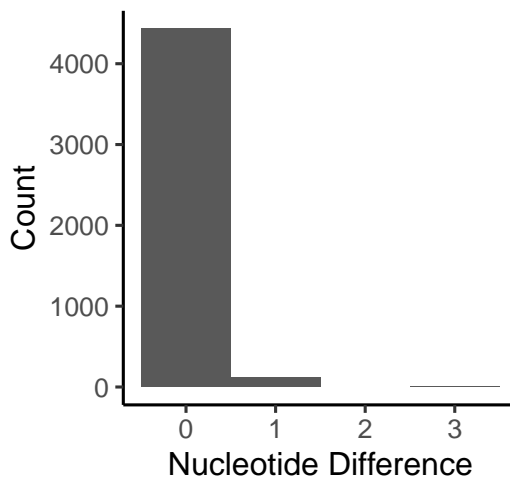
TRBV17*ap01

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
6 unique J



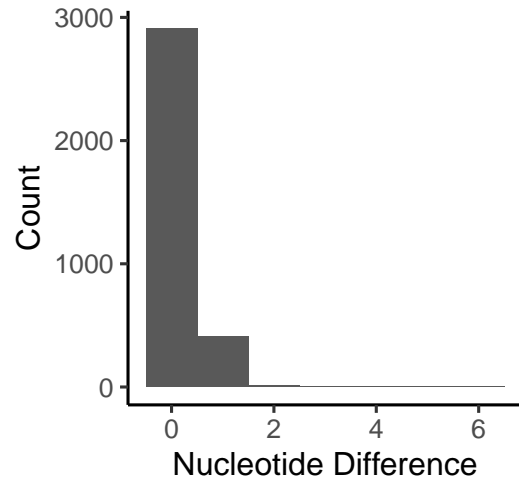
TRBV2*ap01

4553 sequences assigned
4433 (97.4%) exact matches, in which:
4398 unique CDR3
13 unique J



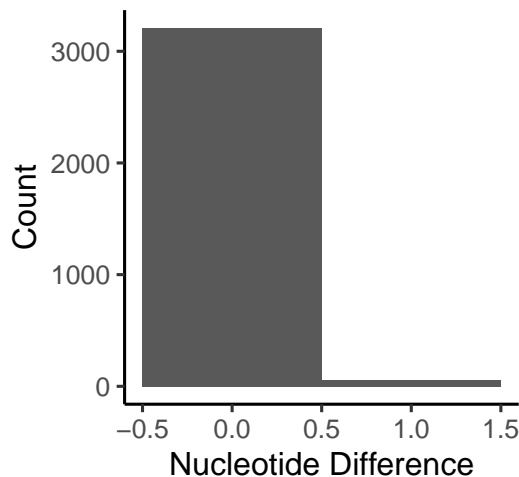
TRBV30*ap01

3335 sequences assigned
2908 (87.2%) exact matches, in which:
2868 unique CDR3
13 unique J



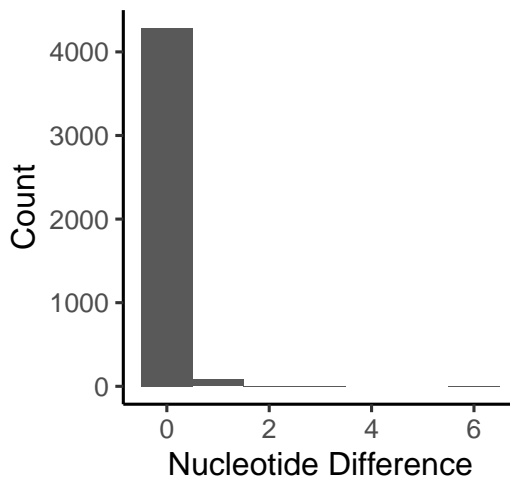
TRBV18*ap01

3266 sequences assigned
3208 (98.2%) exact matches, in which:
3186 unique CDR3
13 unique J



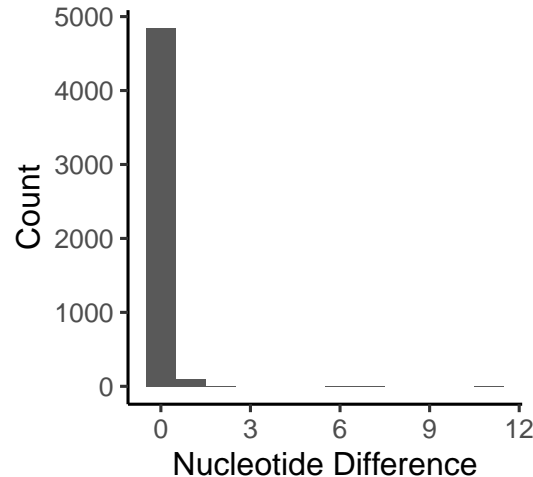
TRBV27*ap01

4373 sequences assigned
4285 (98%) exact matches, in which:
4239 unique CDR3
13 unique J



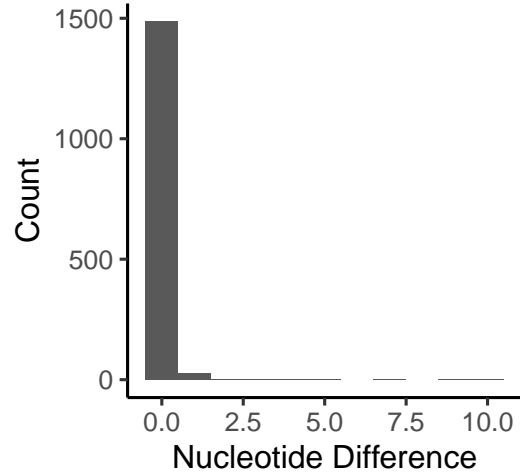
TRBV9*ap01

4950 sequences assigned
4845 (97.9%) exact matches, in which:
4801 unique CDR3
13 unique J



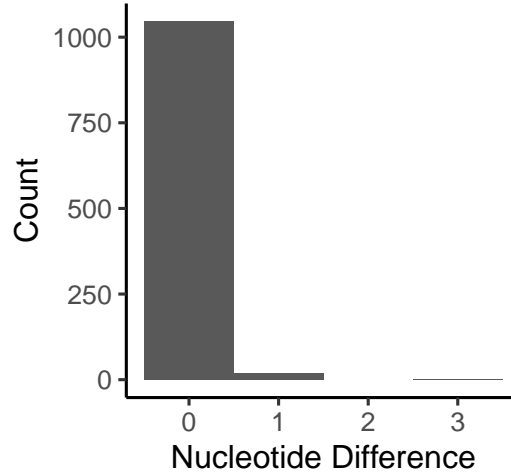
TRBV21-1*ap01

1521 sequences assigned
1487 (97.8%) exact matches, in which:
1467 unique CDR3
13 unique J



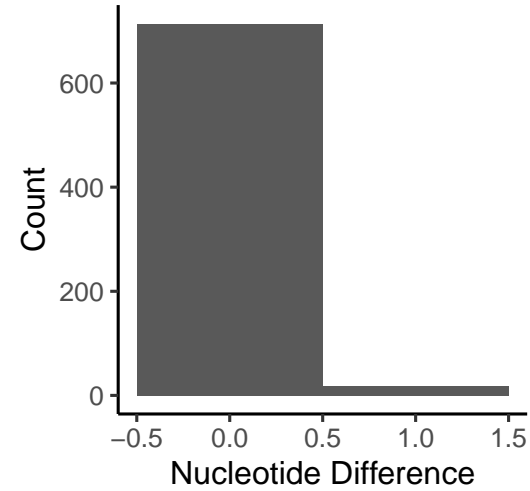
TRBV11-3*ap01

1066 sequences assigned
1046 (98.1%) exact matches, in which:
1038 unique CDR3
13 unique J



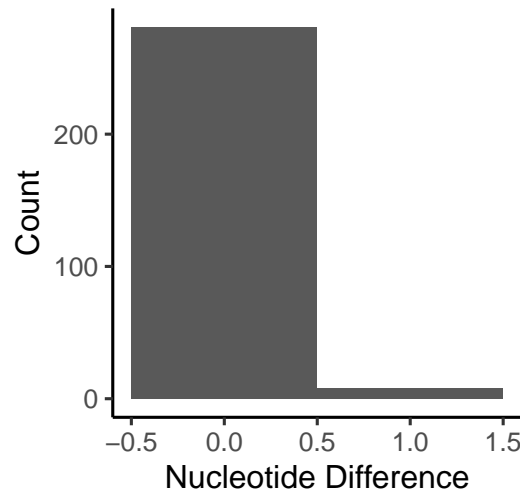
TRBV12-5*ap01

732 sequences assigned
714 (97.5%) exact matches, in which:
707 unique CDR3
13 unique J



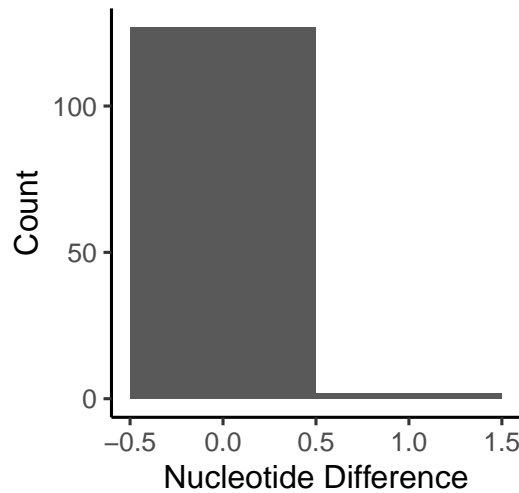
TRBV11-1*ap01

289 sequences assigned
281 (97.2%) exact matches, in which:
280 unique CDR3
12 unique J



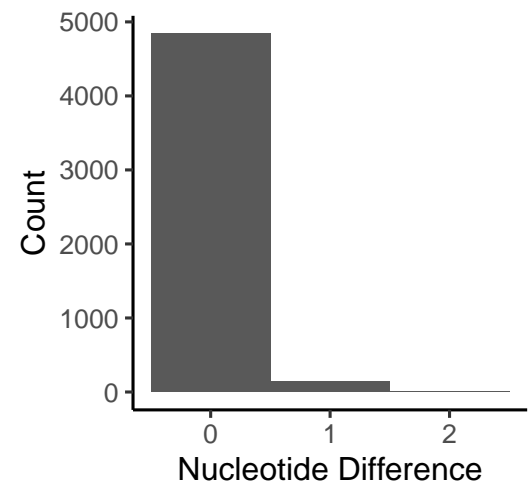
TRBV12-1*ap01

129 sequences assigned
127 (98.4%) exact matches, in which:
126 unique CDR3
12 unique J



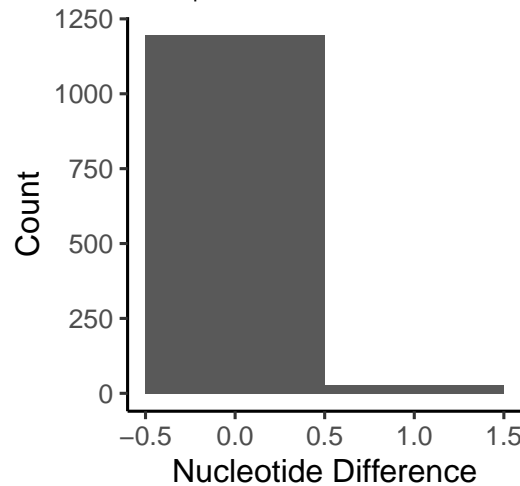
TRBV12-34*ap01

4980 sequences assigned
4840 (97.2%) exact matches, in which:
4791 unique CDR3
13 unique J



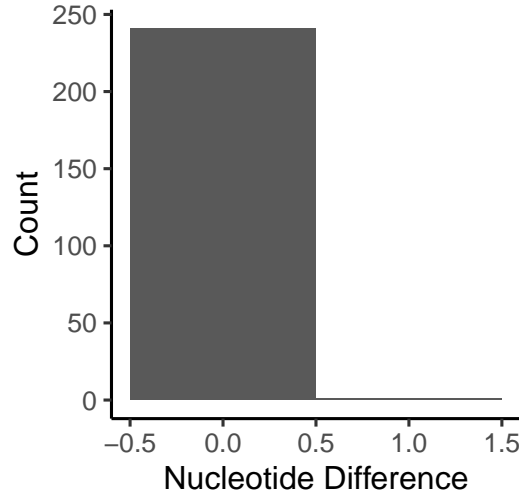
TRBV11-2*ap01

1223 sequences assigned
1196 (97.8%) exact matches, in which:
1184 unique CDR3
13 unique J



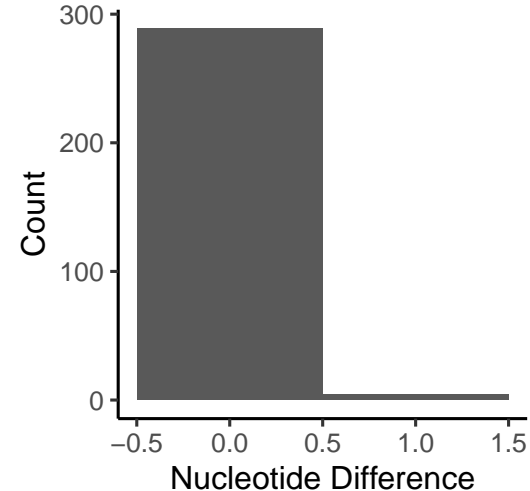
TRBV12-2*ap01

242 sequences assigned
241 (99.6%) exact matches, in which:
238 unique CDR3
12 unique J



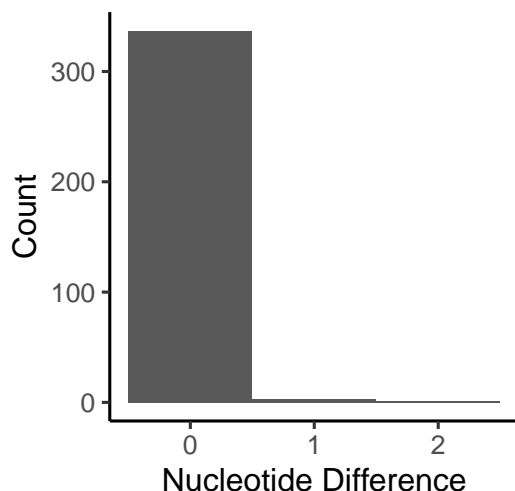
TRBV23-1*ap01

293 sequences assigned
289 (98.6%) exact matches, in which:
288 unique CDR3
13 unique J



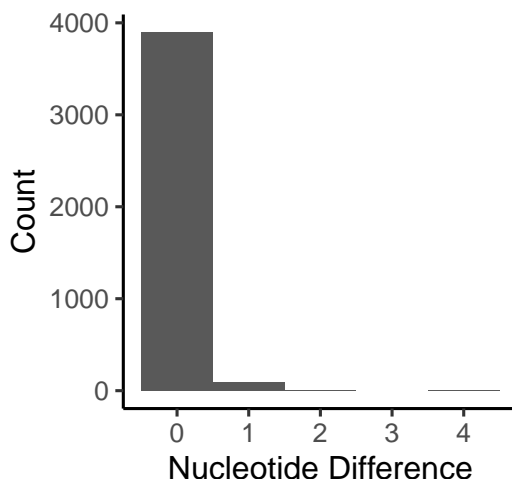
TRBV23–1*ap01_T304C

341 sequences assigned
337 (98.8%) exact matches, in which:
335 unique CDR3
13 unique J



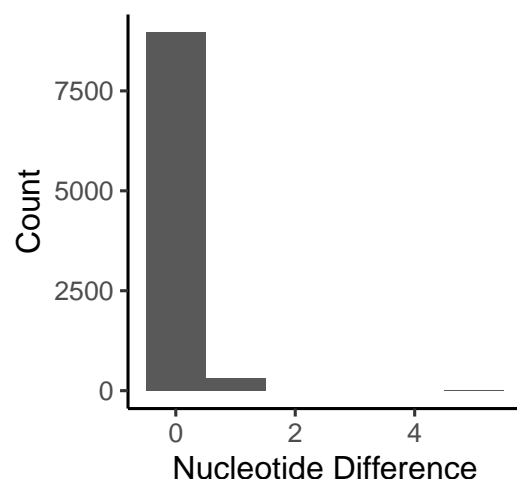
TRBV24–1*ap01

3990 sequences assigned
3896 (97.6%) exact matches, in which:
3851 unique CDR3
13 unique J



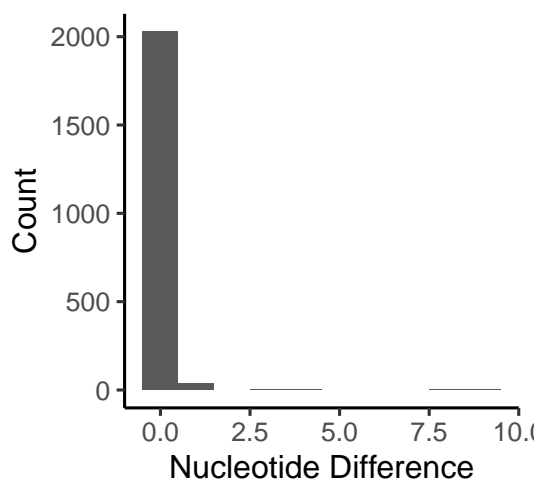
TRBV5–1*ap01

9265 sequences assigned
8963 (96.7%) exact matches, in which:
8888 unique CDR3
13 unique J



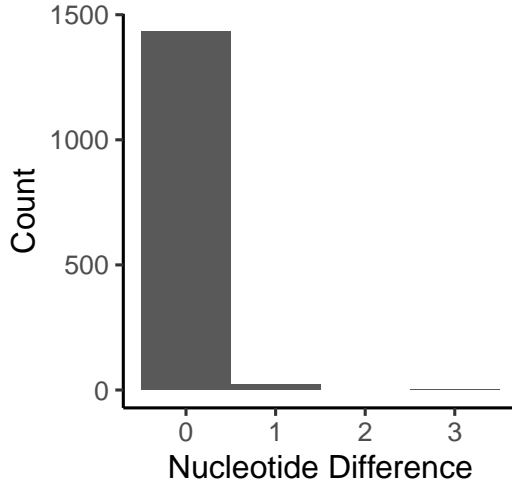
TRBV3–12*ap01

2070 sequences assigned
2028 (98%) exact matches, in which:
2015 unique CDR3
13 unique J



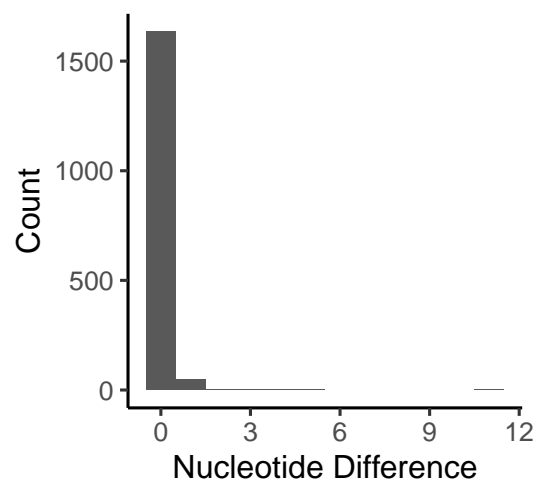
TRBV4–2*ap01

1457 sequences assigned
1432 (98.3%) exact matches, in which:
1404 unique CDR3
13 unique J



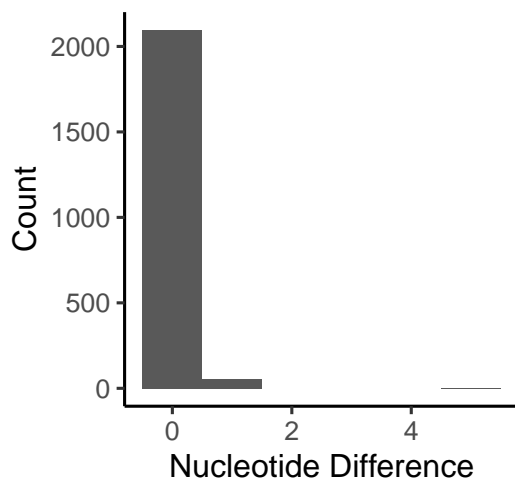
TRBV25–1*ap01

1688 sequences assigned
1634 (96.8%) exact matches, in which:
1605 unique CDR3
13 unique J



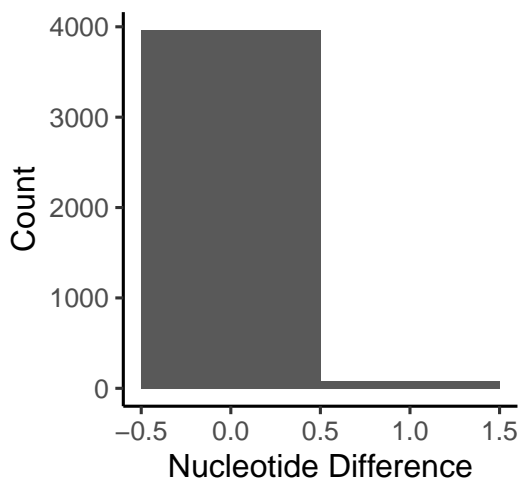
TRBV4–1*ap01

2151 sequences assigned
2096 (97.4%) exact matches, in which:
2063 unique CDR3
13 unique J



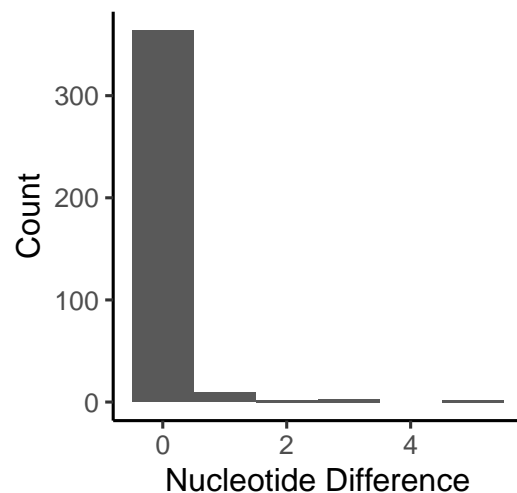
TRBV4–3*ap01

4044 sequences assigned
3964 (98%) exact matches, in which:
3917 unique CDR3
13 unique J



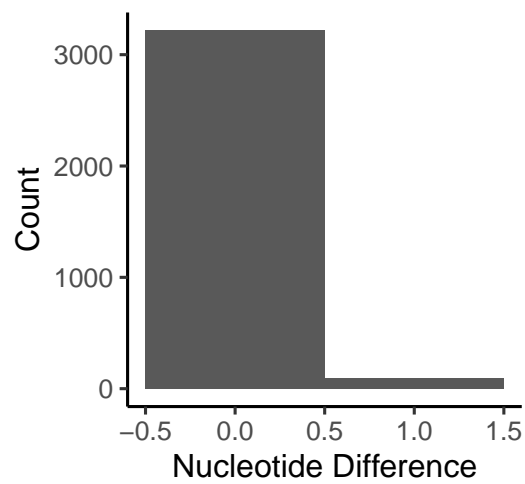
TRBV5–3*ap01

380 sequences assigned
364 (95.8%) exact matches, in which:
362 unique CDR3
13 unique J



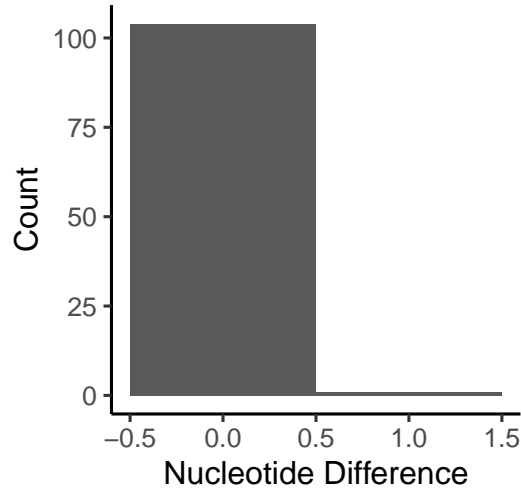
TRBV5-4*ap01

3309 sequences assigned
3218 (97.2%) exact matches, in which:
3176 unique CDR3
13 unique J



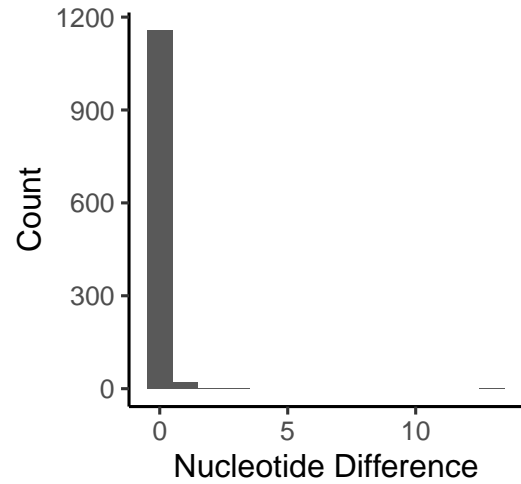
TRBV5-7*ap01

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



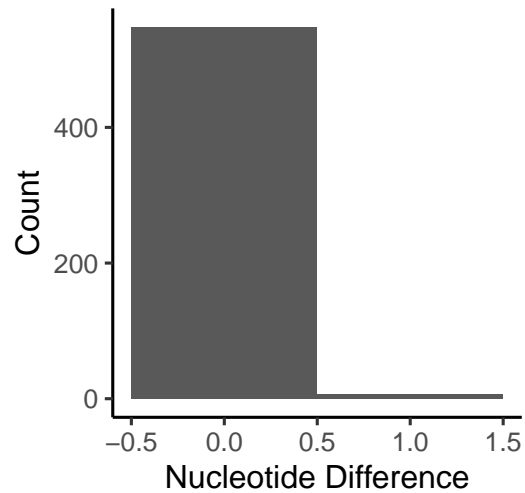
TRBV6-4*ap01

1182 sequences assigned
1157 (97.9%) exact matches, in which:
1146 unique CDR3
12 unique J



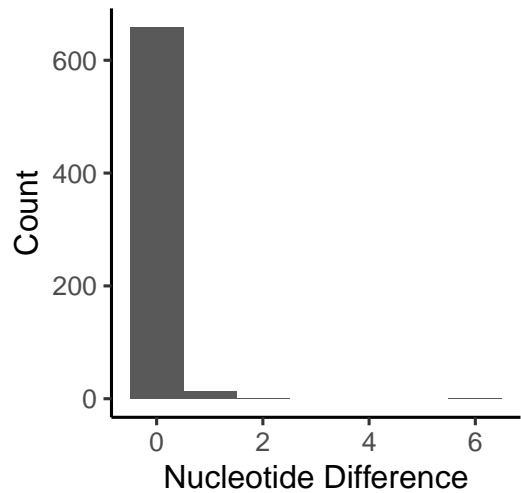
TRBV5-5*ap01

555 sequences assigned
548 (98.7%) exact matches, in which:
543 unique CDR3
13 unique J



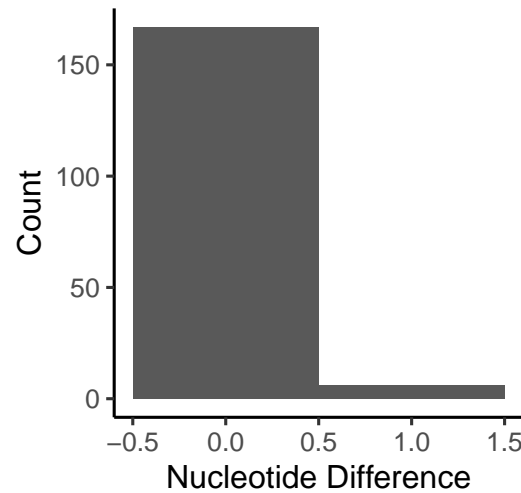
TRBV5-8*ap01

674 sequences assigned
659 (97.8%) exact matches, in which:
656 unique CDR3
13 unique J



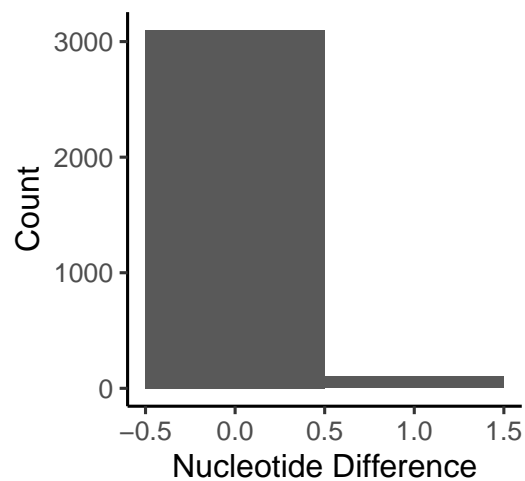
TRBV6-7*ap01

173 sequences assigned
167 (96.5%) exact matches, in which:
167 unique CDR3
13 unique J



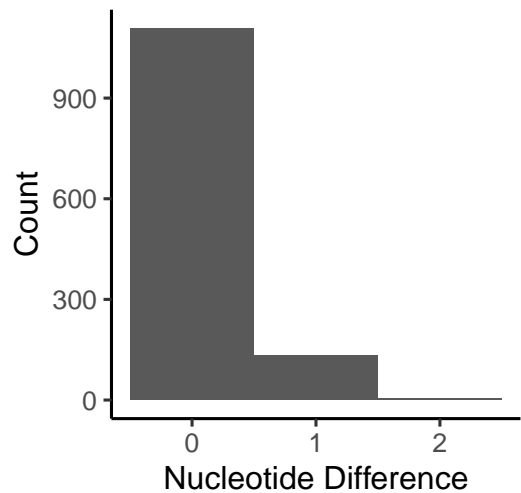
TRBV5-6*ap01

3201 sequences assigned
3100 (96.8%) exact matches, in which:
3044 unique CDR3
13 unique J



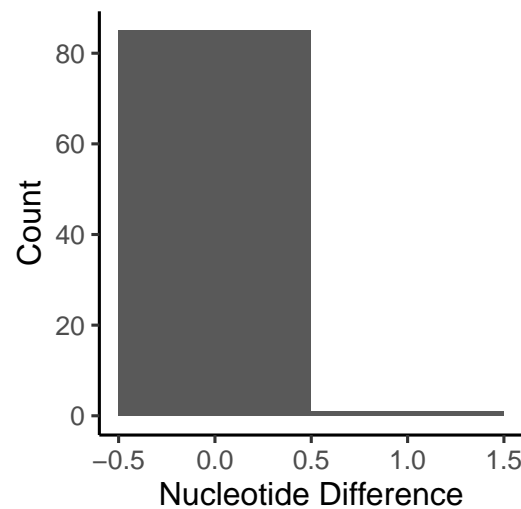
TRBV6-1*ap01

1248 sequences assigned
1108 (88.8%) exact matches, in which:
1093 unique CDR3
13 unique J



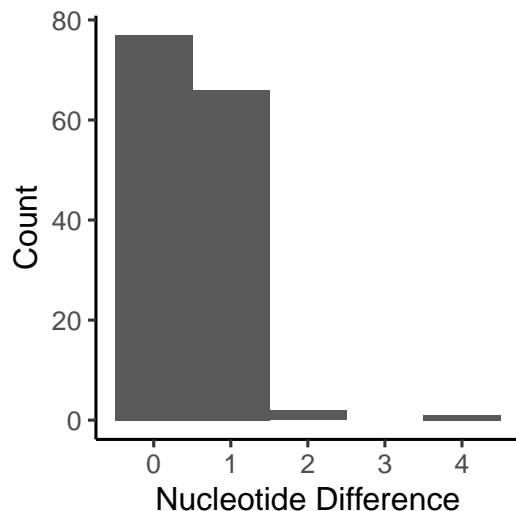
TRBV6-8*ap01

86 sequences assigned
85 (98.8%) exact matches, in which:
83 unique CDR3
12 unique J



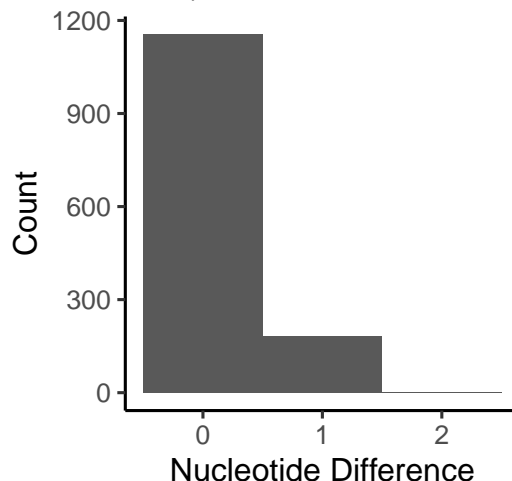
TRBV6–9*ap01

146 sequences assigned
77 (52.7%) exact matches, in which:
75 unique CDR3
12 unique J



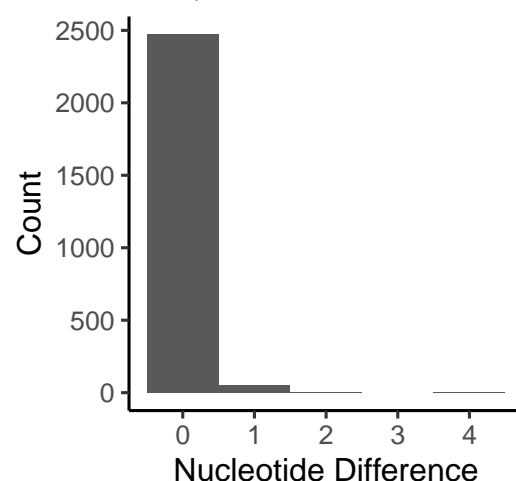
TRBV6–56*ap02

1339 sequences assigned
1155 (86.3%) exact matches, in which:
1139 unique CDR3
13 unique J



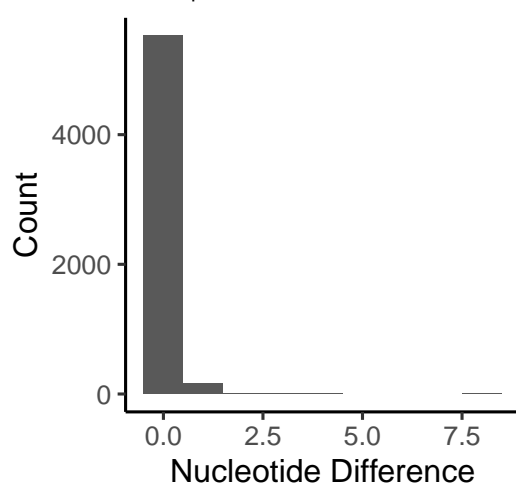
TRBV7–3*ap01

2524 sequences assigned
2472 (97.9%) exact matches, in which:
2450 unique CDR3
13 unique J



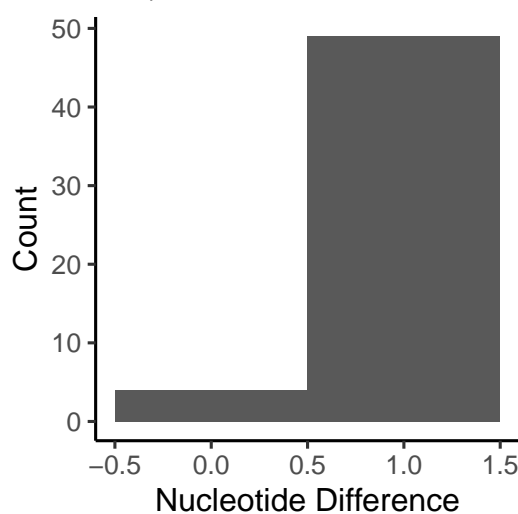
TRBV6–23*ap01

5695 sequences assigned
5526 (97%) exact matches, in which:
5461 unique CDR3
13 unique J



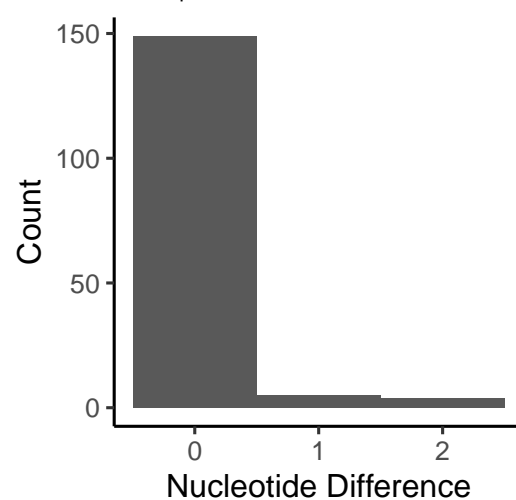
TRBV7–1*ap01_T296C

53 sequences assigned
4 (7.5%) exact matches, in which:
4 unique CDR3
4 unique J



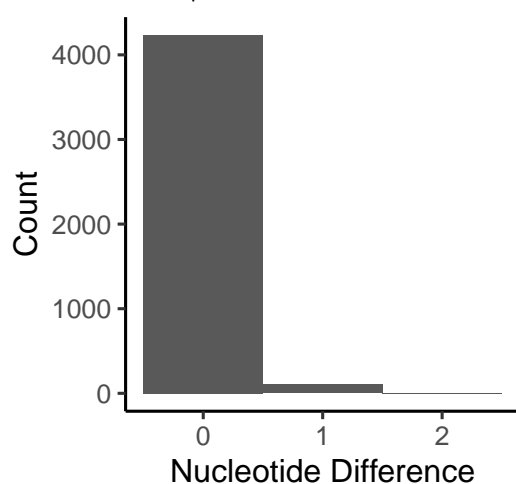
TRBV7–4*ap01

158 sequences assigned
149 (94.3%) exact matches, in which:
149 unique CDR3
13 unique J



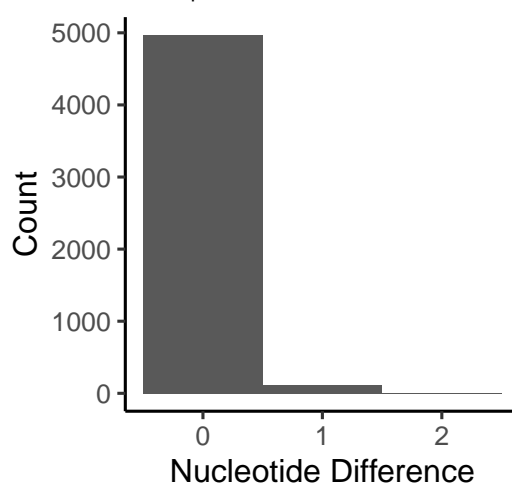
TRBV6–56*ap01

4341 sequences assigned
4234 (97.5%) exact matches, in which:
4179 unique CDR3
13 unique J



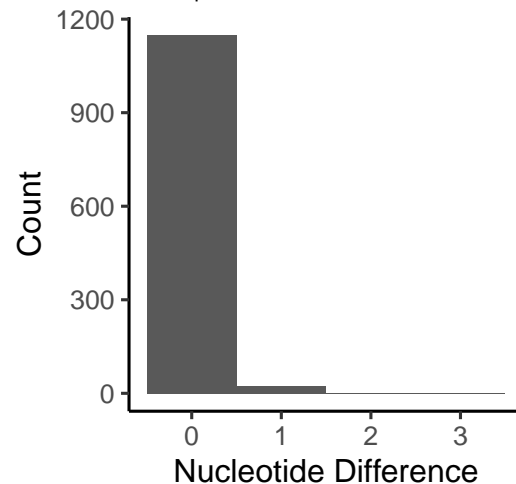
TRBV7–2*ap01

5088 sequences assigned
4969 (97.7%) exact matches, in which:
4931 unique CDR3
13 unique J



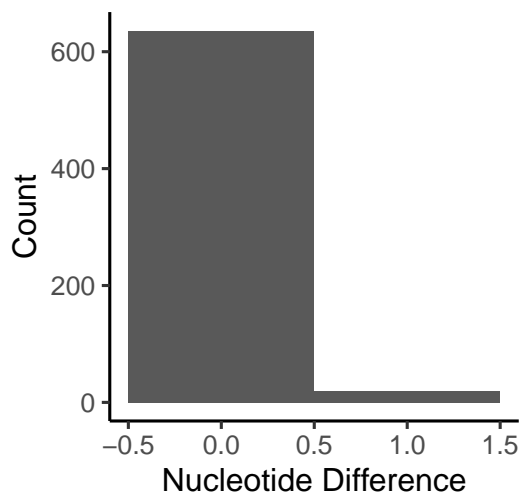
TRBV7–6*ap01

1175 sequences assigned
1149 (97.8%) exact matches, in which:
1139 unique CDR3
13 unique J



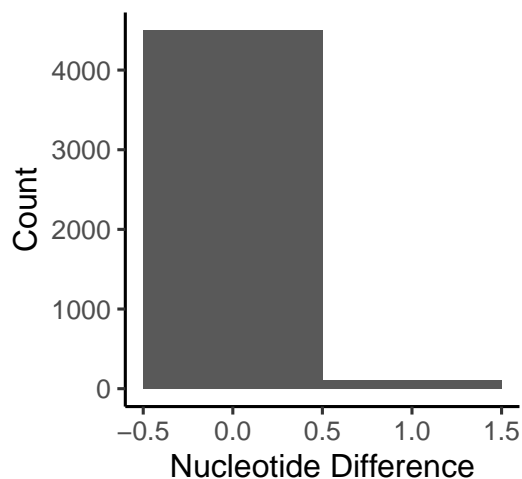
TRBV7-7*ap01_C315T

656 sequences assigned
636 (97%) exact matches, in which:
631 unique CDR3
13 unique J



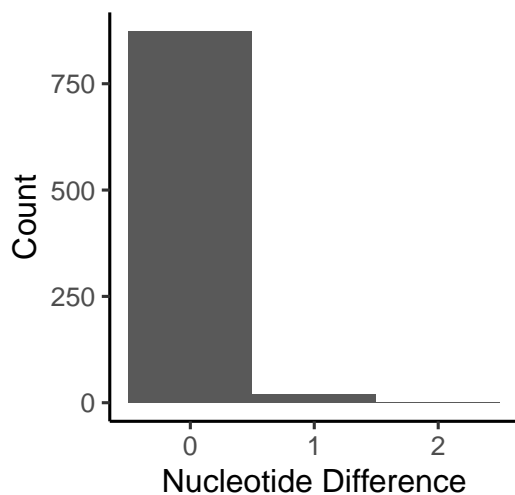
TRBV7-9*ap01

4600 sequences assigned
4498 (97.8%) exact matches, in which:
4460 unique CDR3
13 unique J



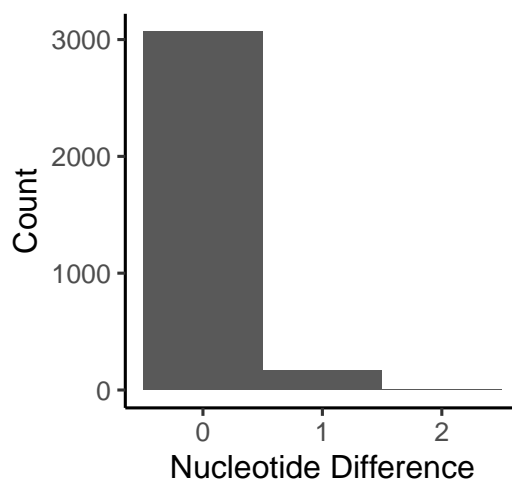
TRBV7-8*ap01

896 sequences assigned
874 (97.5%) exact matches, in which:
869 unique CDR3
13 unique J



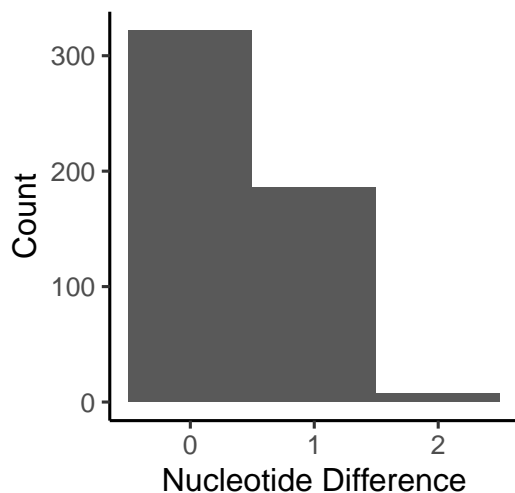
TRBV29-1*ap01

3232 sequences assigned
3067 (94.9%) exact matches, in which:
3026 unique CDR3
13 unique J



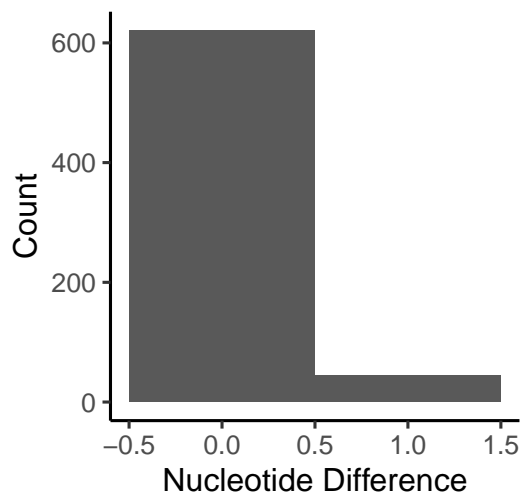
TRBV7-8*ap03

515 sequences assigned
322 (62.5%) exact matches, in which:
318 unique CDR3
12 unique J

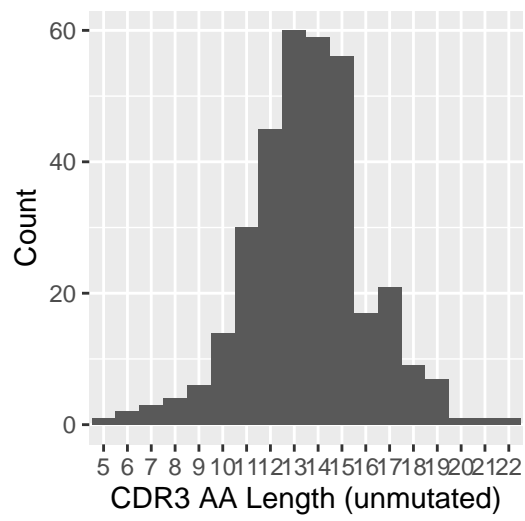


TRBV29-1*ap02

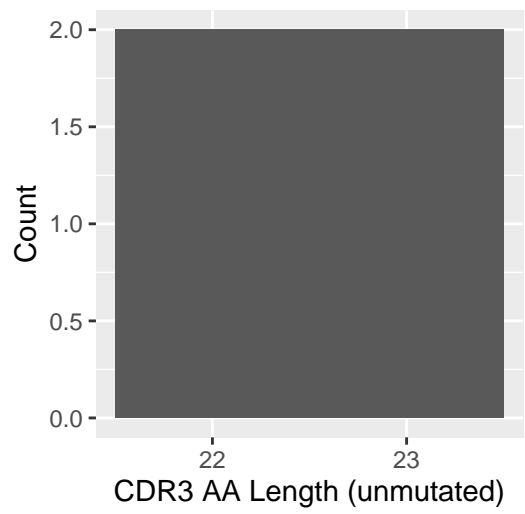
666 sequences assigned
621 (93.2%) exact matches, in which:
614 unique CDR3
13 unique J



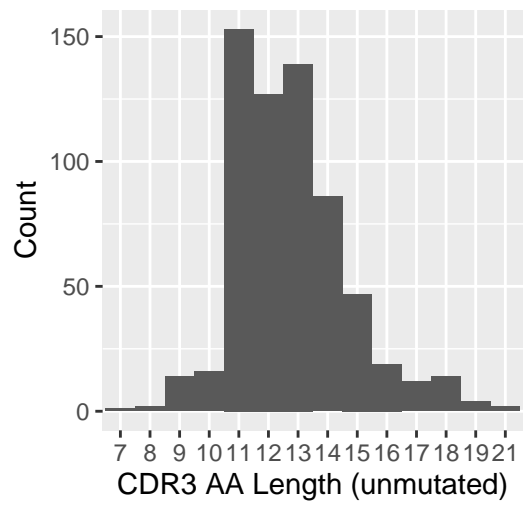
TRBV23-1*ap01_T304C



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]