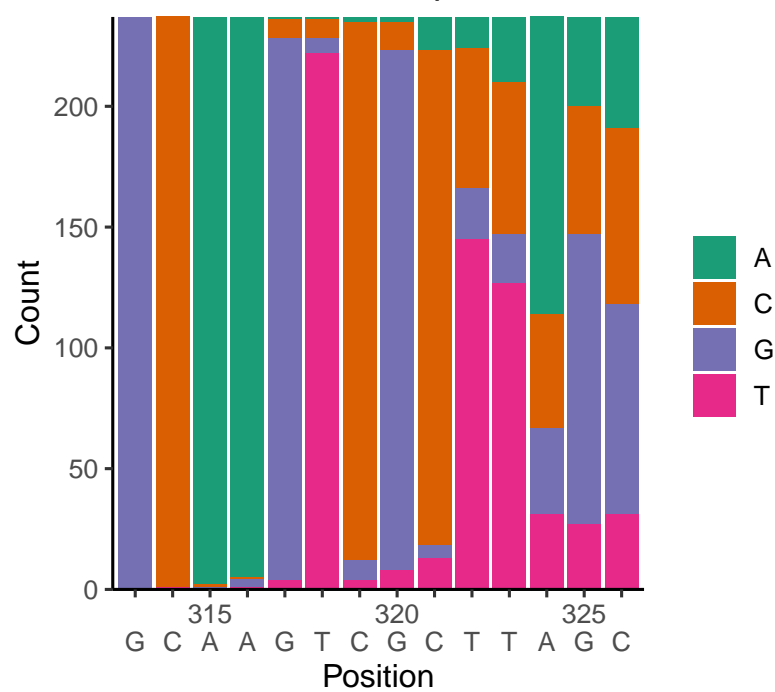
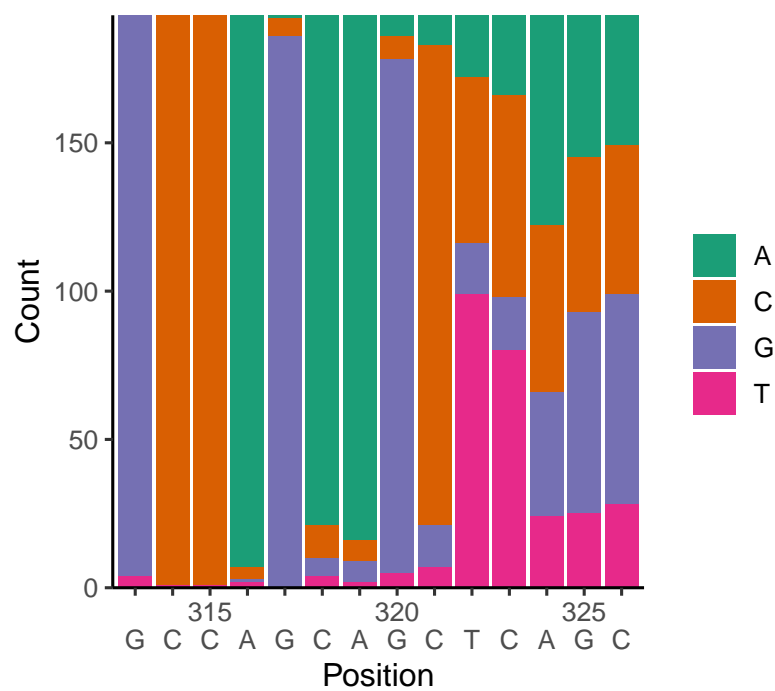


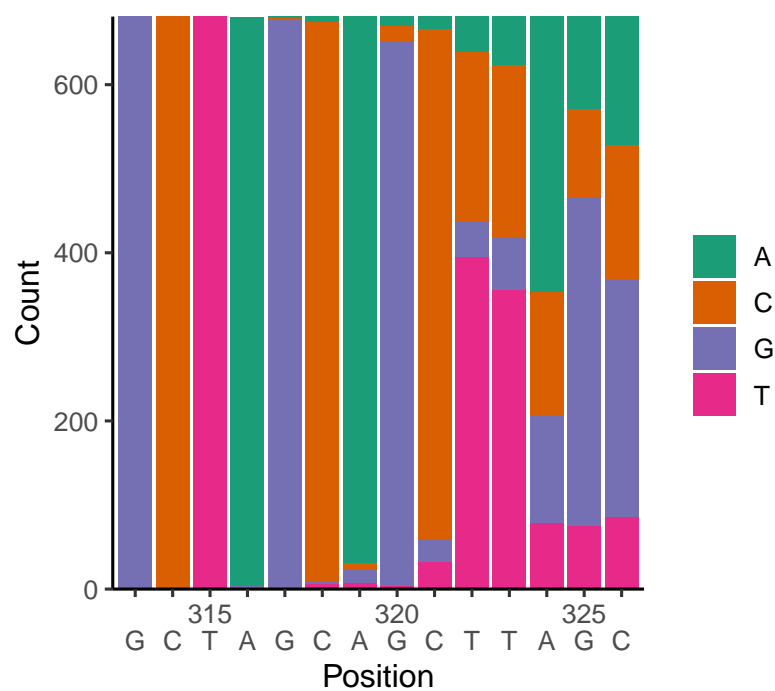
Gene TRBV12-2*ap01_G301A



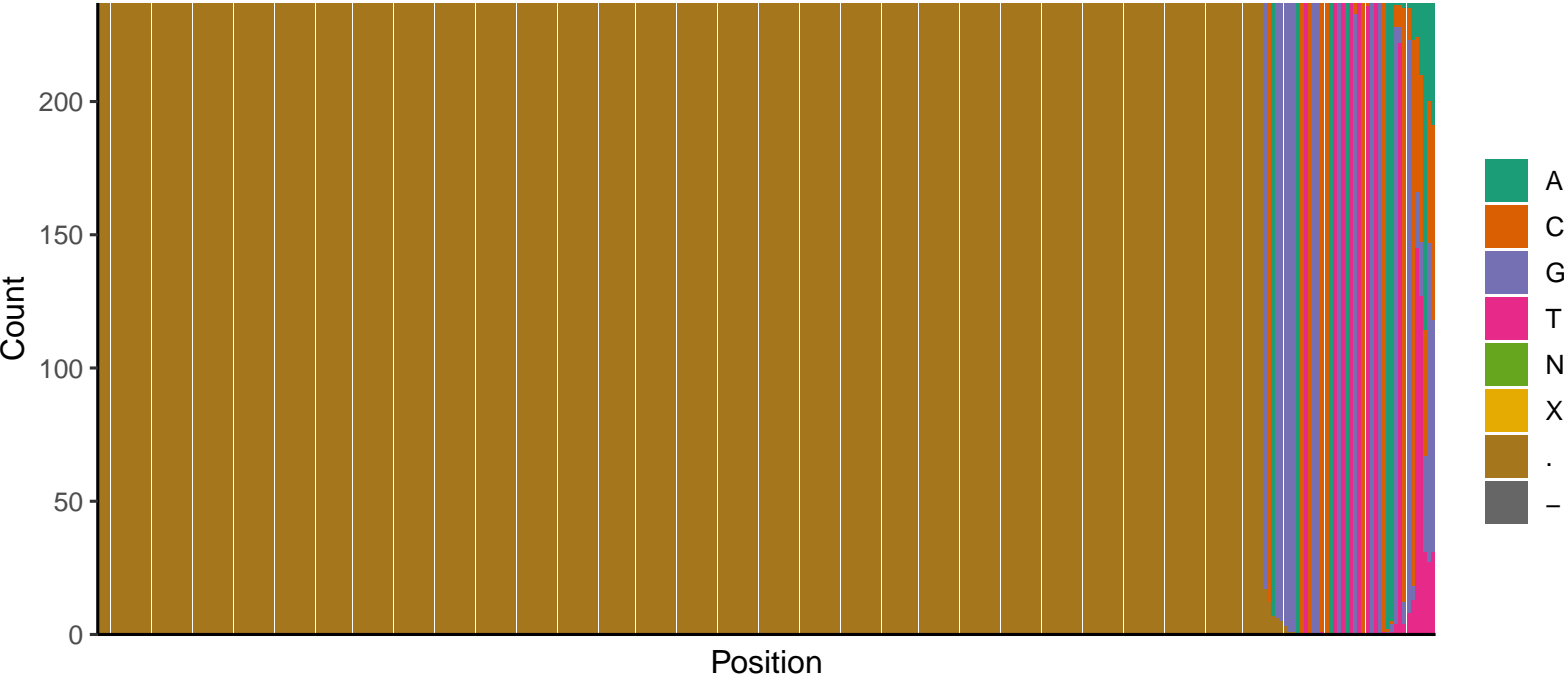
Gene TRBV7-1*ap01_G291C_T296C



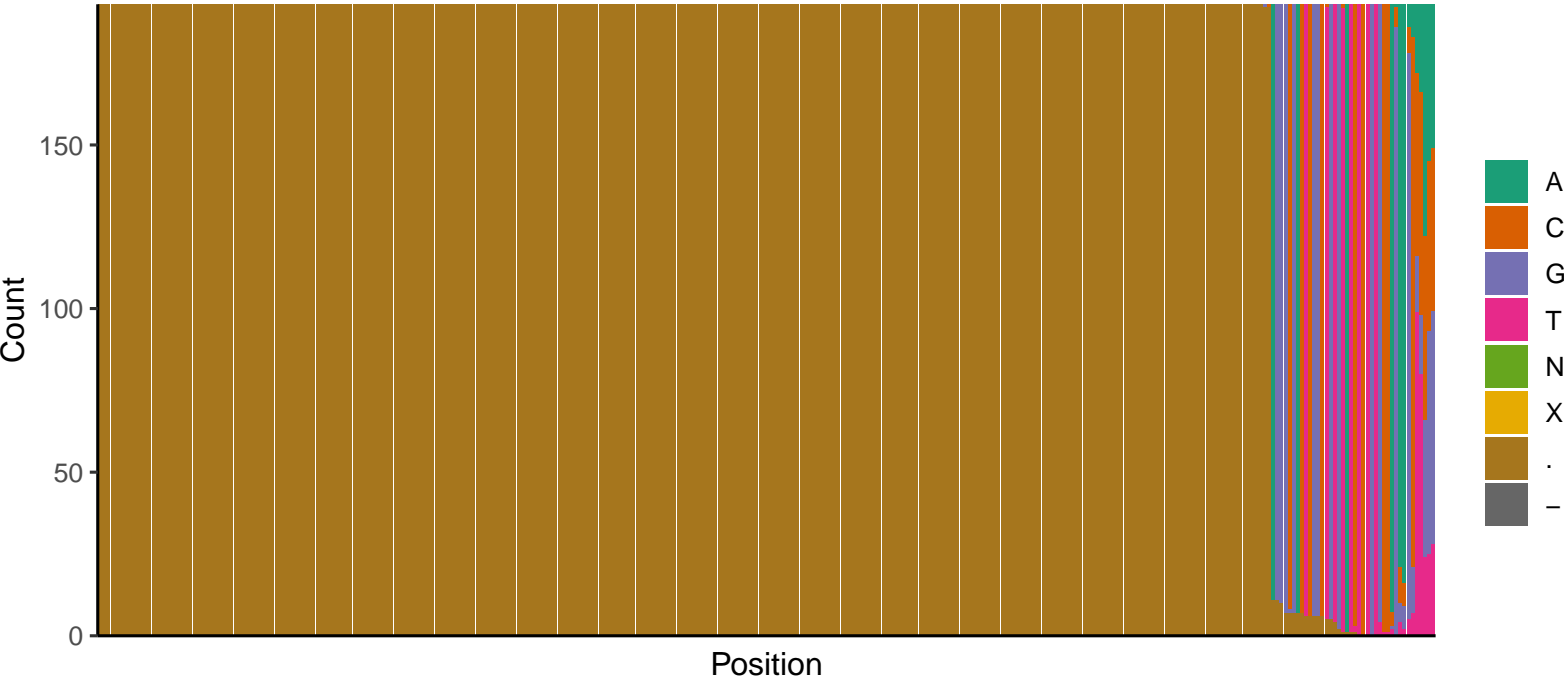
Gene TRBV7-7*ap01_C315T



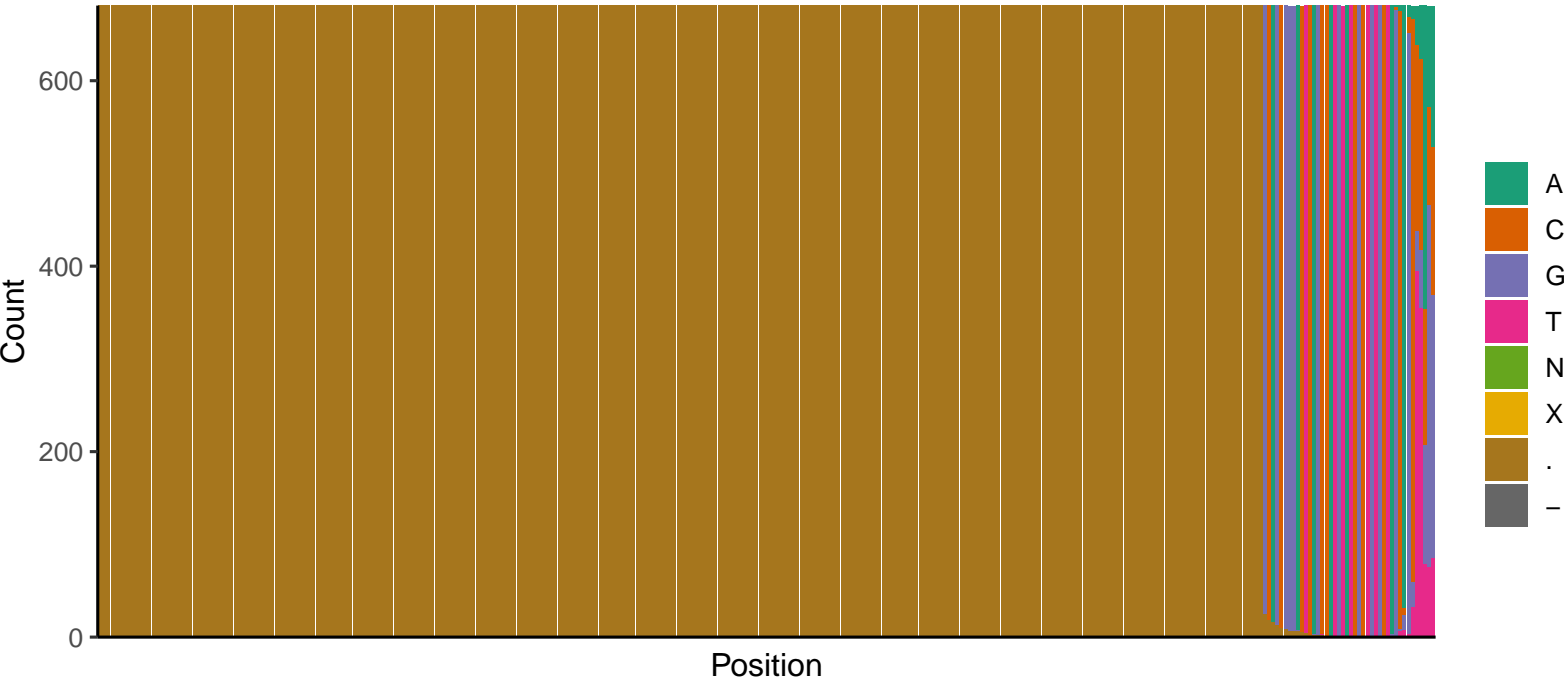
Gene TRBV12-2*ap01_G301A



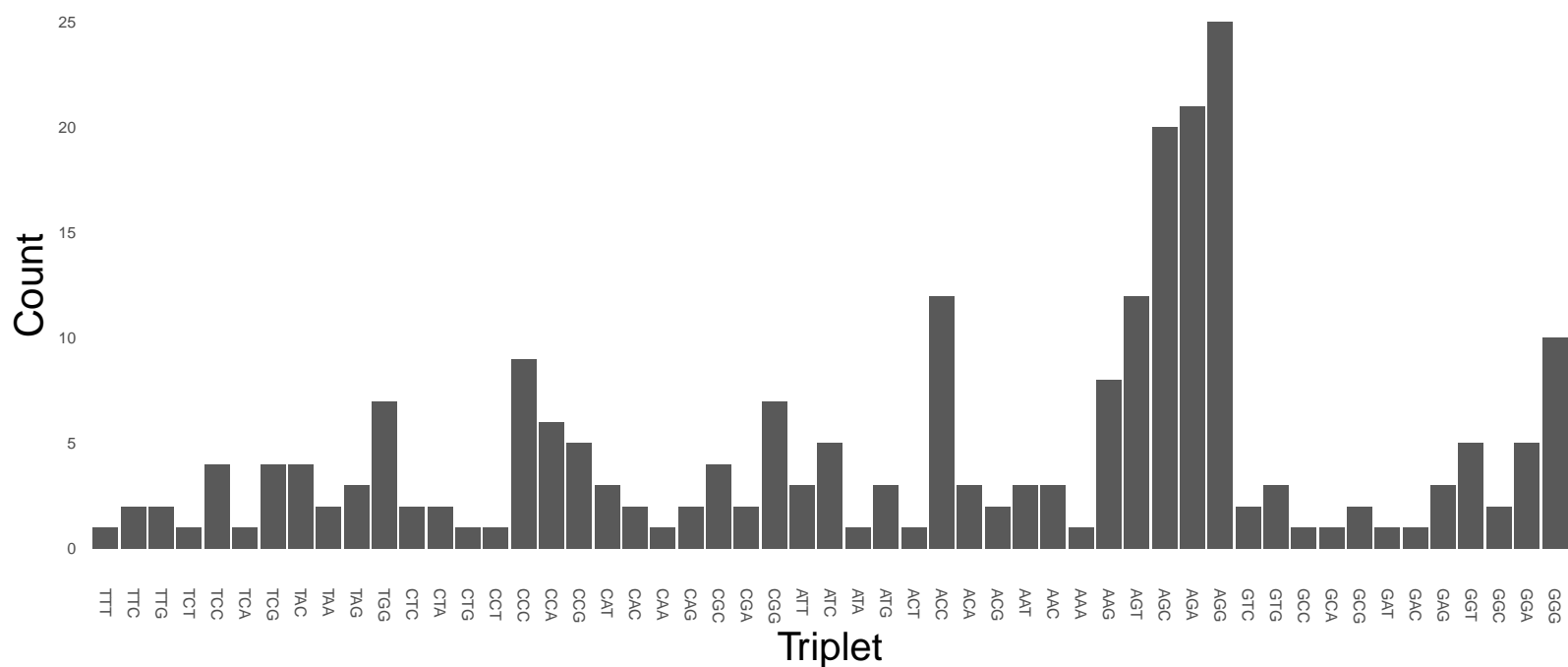
Gene TRBV7-1*ap01_G291C_T296C



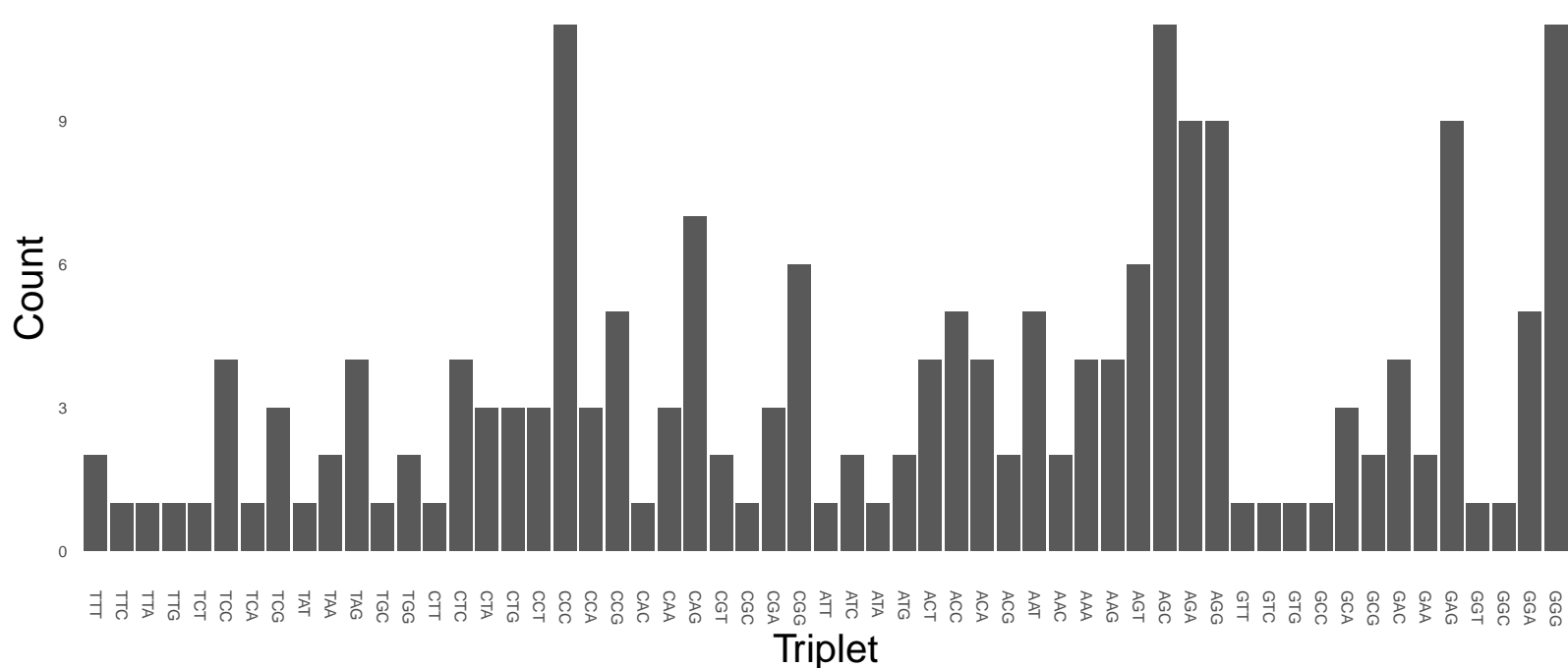
Gene TRBV7-7*ap01_C315T



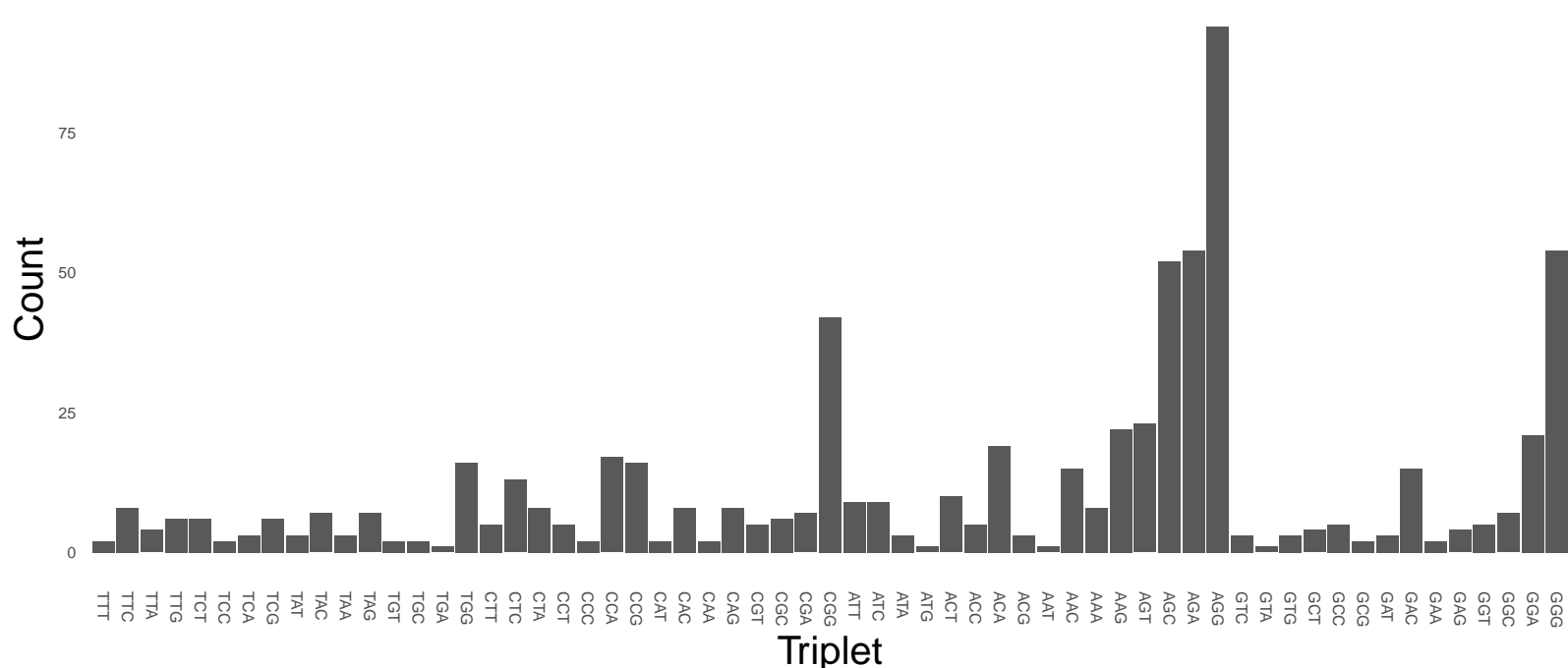
TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet



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

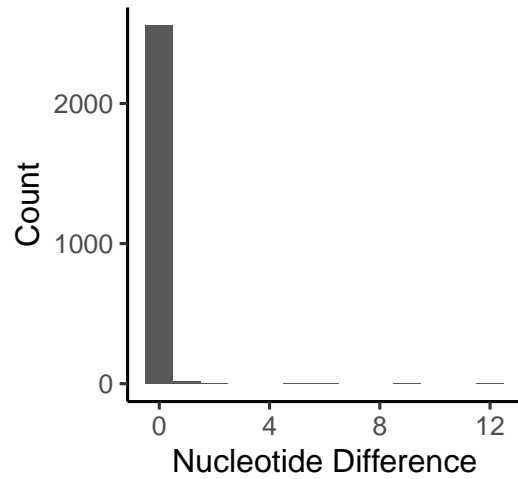


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



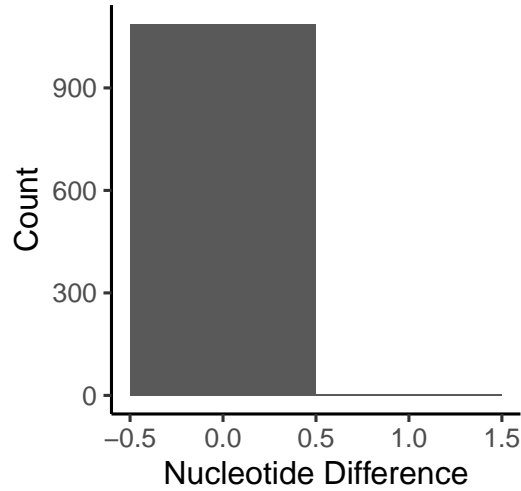
TRBV10–1*ap01

2578 sequences assigned
2557 (99.2%) exact matches, in which:
2517 unique CDR3
13 unique J



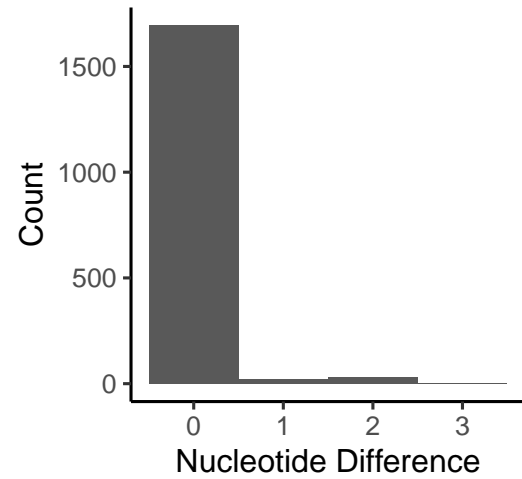
TRBV10–2*ap01

1093 sequences assigned
1088 (99.5%) exact matches, in which:
1072 unique CDR3
13 unique J



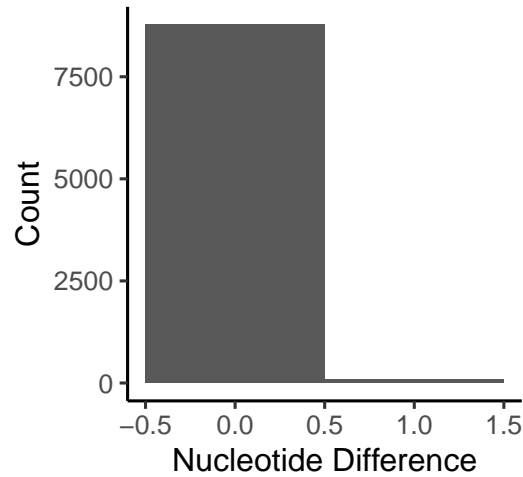
TRBV13*ap01

1749 sequences assigned
1694 (96.9%) exact matches, in which:
1670 unique CDR3
13 unique J



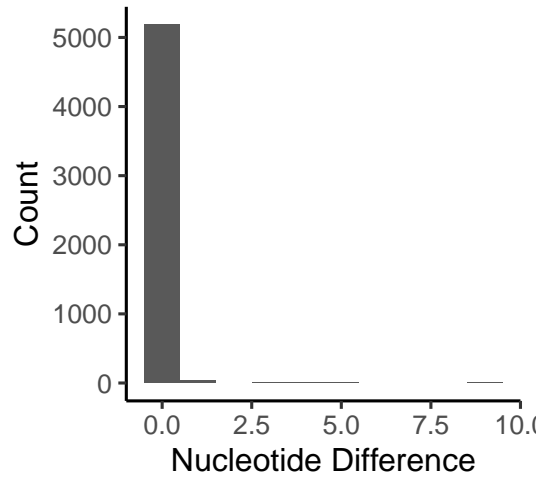
TRBV20–1*ap01

8853 sequences assigned
8774 (99.1%) exact matches, in which:
8726 unique CDR3
13 unique J



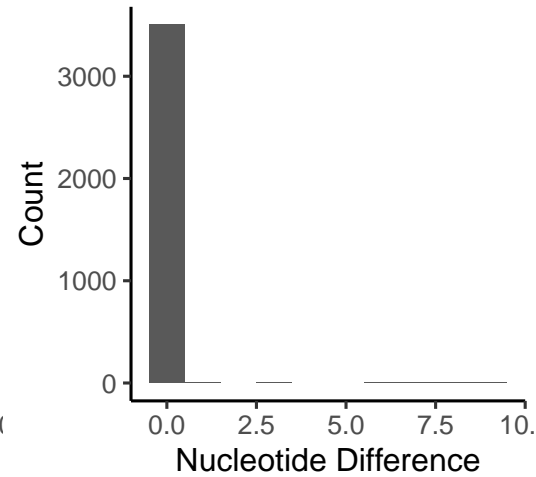
TRBV10–3*ap01

5228 sequences assigned
5184 (99.2%) exact matches, in which:
5123 unique CDR3
13 unique J



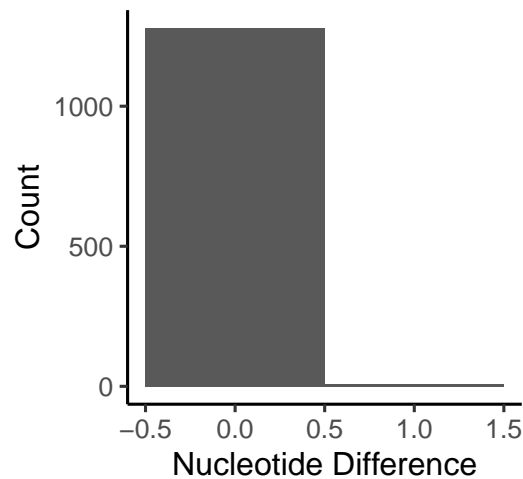
TRBV14*ap01

3520 sequences assigned
3504 (99.5%) exact matches, in which:
3476 unique CDR3
13 unique J



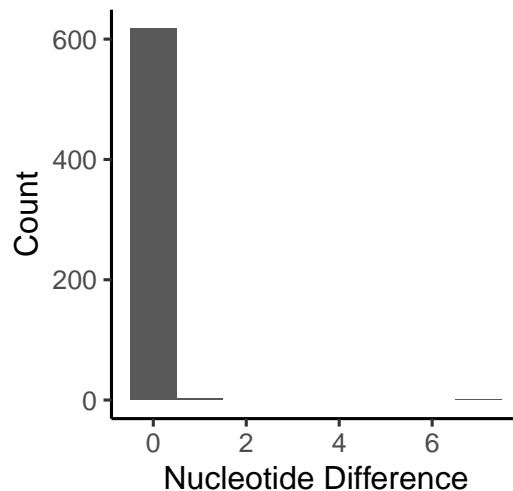
TRBV20–1*ap02

1287 sequences assigned
1279 (99.4%) exact matches, in which:
1267 unique CDR3
13 unique J



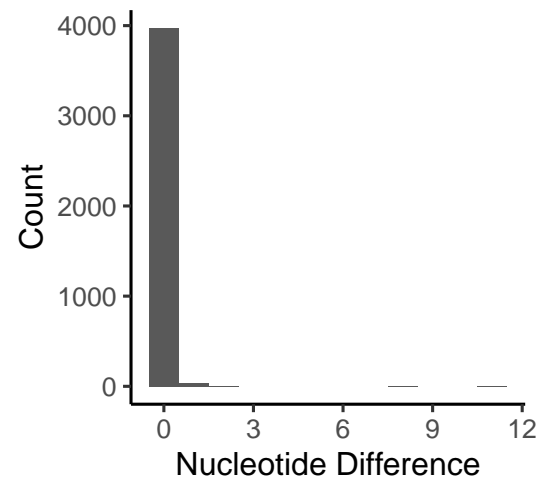
TRBV1*ap01

621 sequences assigned
618 (99.5%) exact matches, in which:
607 unique CDR3
13 unique J



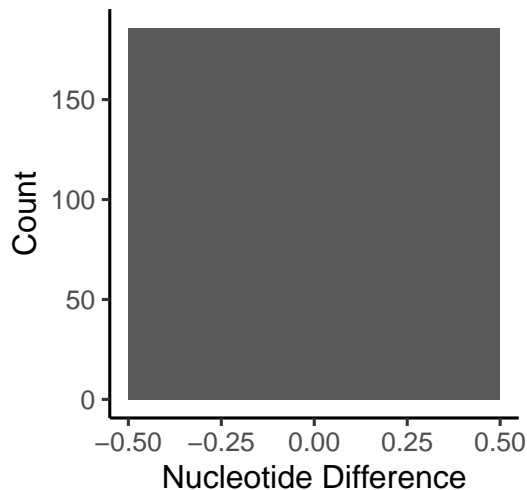
TRBV15*ap02

4013 sequences assigned
3973 (99%) exact matches, in which:
3919 unique CDR3
13 unique J



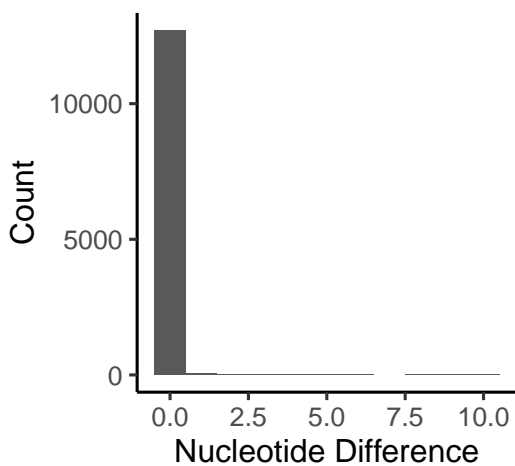
TRBV16*ap01

186 sequences assigned
186 (100%) exact matches, in which:
186 unique CDR3
13 unique J



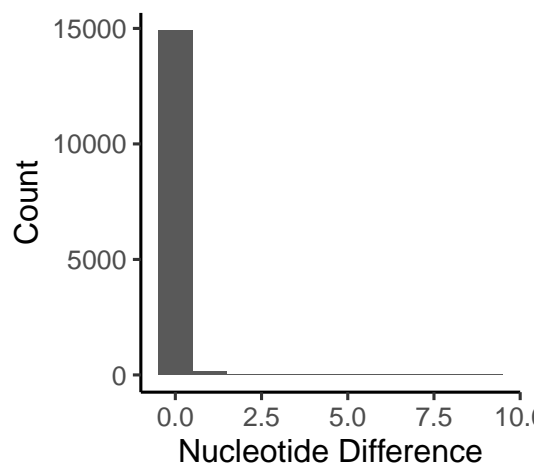
TRBV19*ap01

12798 sequences assigned
12710 (99.3%) exact matches, in which:
12650 unique CDR3
13 unique J



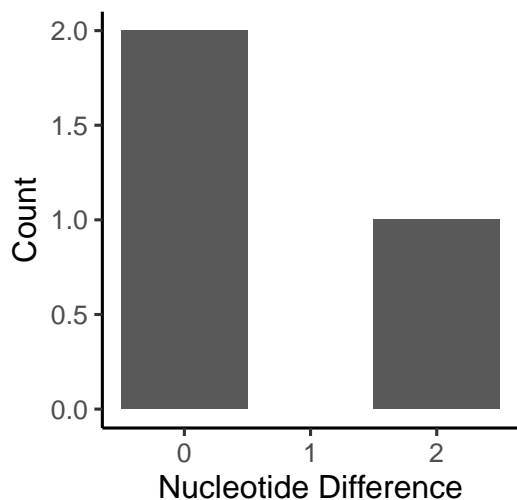
TRBV27*ap01

15094 sequences assigned
14925 (98.9%) exact matches, in which:
14694 unique CDR3
13 unique J



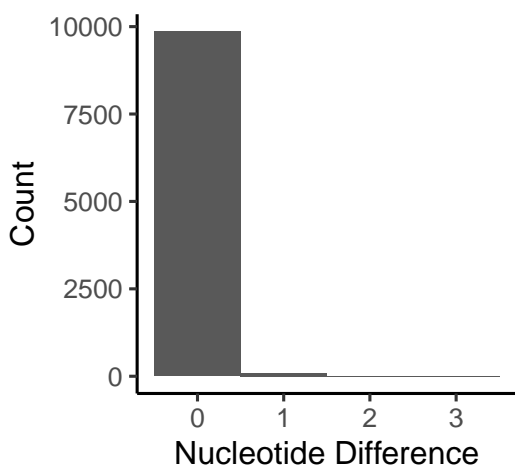
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



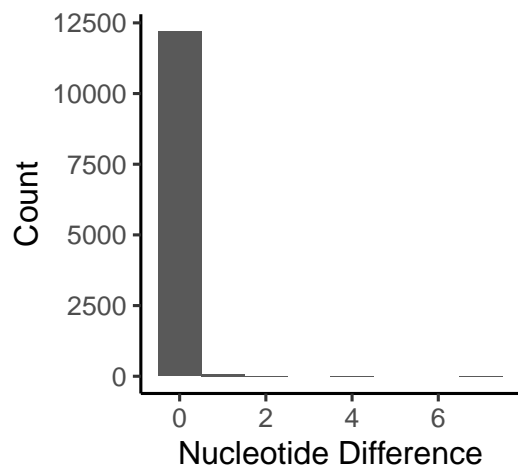
TRBV2*ap01

9966 sequences assigned
9861 (98.9%) exact matches, in which:
9731 unique CDR3
13 unique J



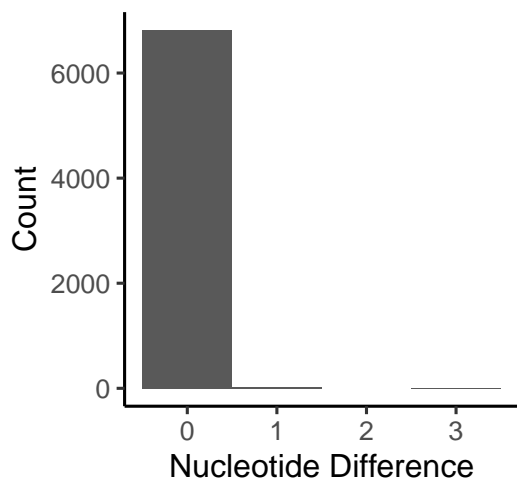
TRBV28*ap01

12274 sequences assigned
12196 (99.4%) exact matches, in which:
12090 unique CDR3
13 unique J



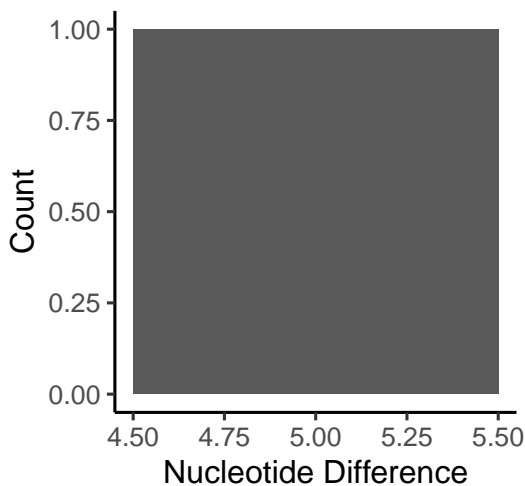
TRBV18*ap01

6843 sequences assigned
6818 (99.6%) exact matches, in which:
6787 unique CDR3
13 unique J



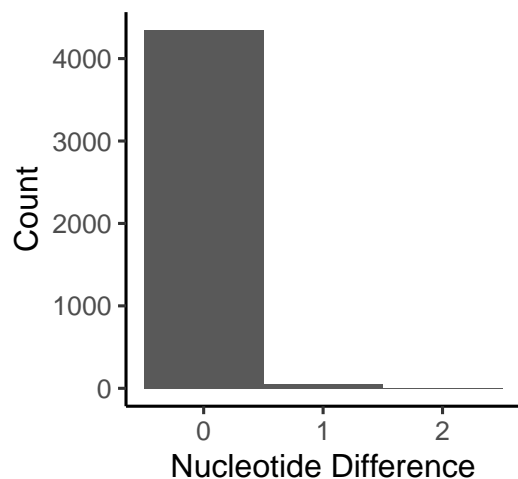
TRBV26*ap01

1 sequences assigned
No exact matches.



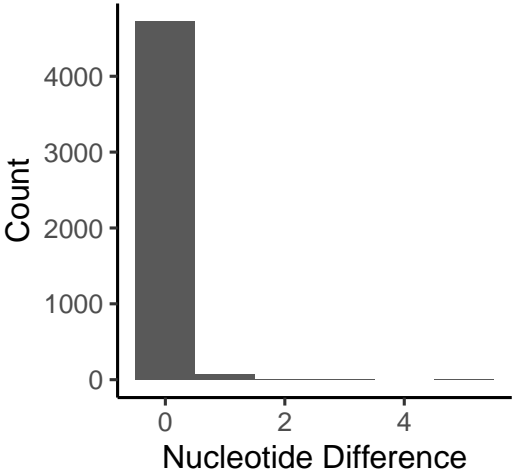
TRBV30*ap01

4402 sequences assigned
4346 (98.7%) exact matches, in which:
4273 unique CDR3
13 unique J



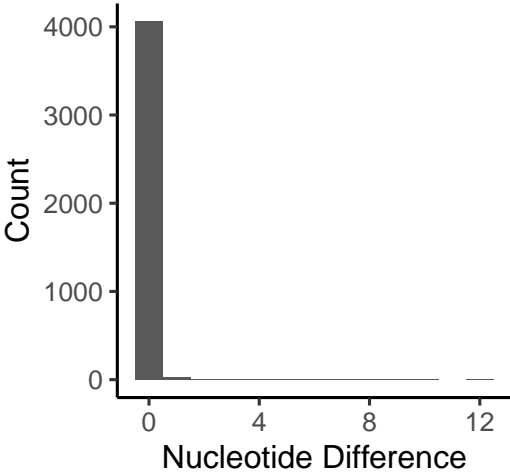
TRBV30*ap02

4806 sequences assigned
4723 (98.3%) exact matches, in which:
4668 unique CDR3
13 unique J



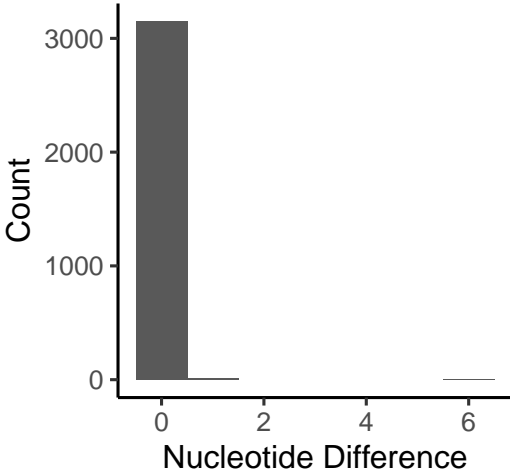
TRBV21-1*ap01

4129 sequences assigned
4061 (98.4%) exact matches, in which:
4026 unique CDR3
13 unique J



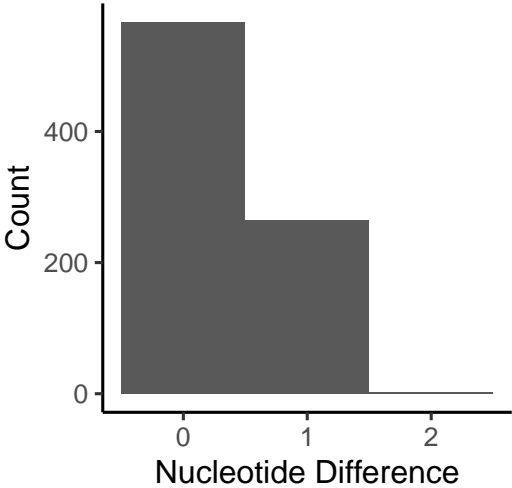
TRBV11-3*ap01

3167 sequences assigned
3149 (99.4%) exact matches, in which:
3119 unique CDR3
13 unique J



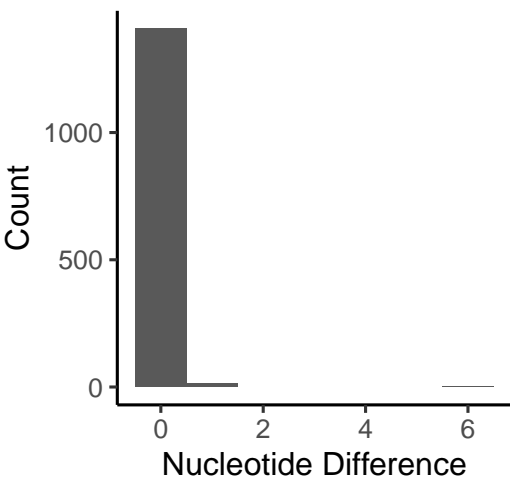
TRBV30*ap03

834 sequences assigned
567 (68%) exact matches, in which:
559 unique CDR3
13 unique J



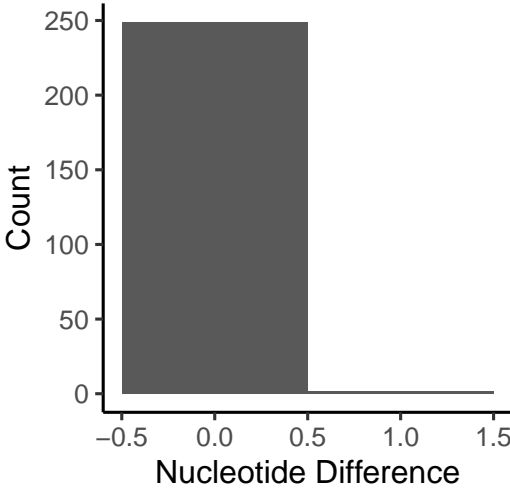
TRBV11-1*ap01

1422 sequences assigned
1408 (99%) exact matches, in which:
1389 unique CDR3
13 unique J



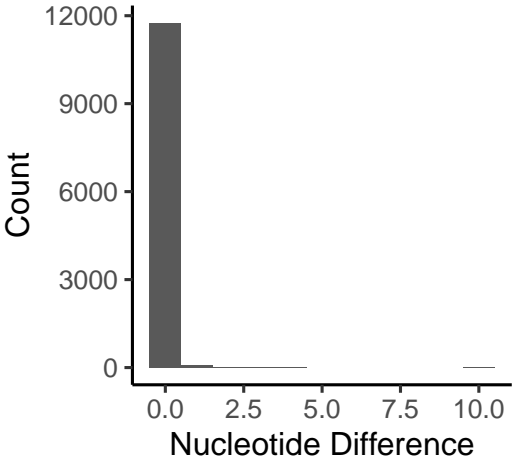
TRBV12-1*ap01

251 sequences assigned
249 (99.2%) exact matches, in which:
246 unique CDR3
13 unique J



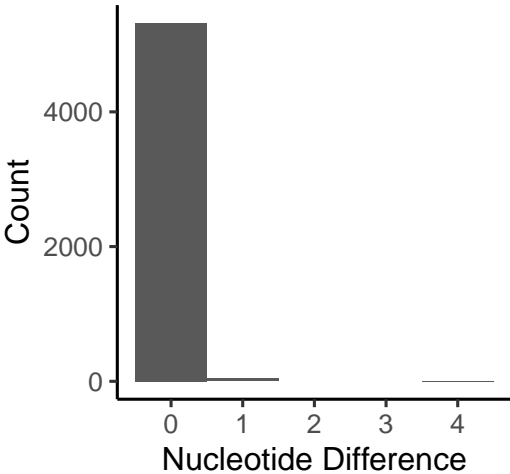
TRBV9*ap01

11846 sequences assigned
11758 (99.3%) exact matches, in which:
11655 unique CDR3
13 unique J



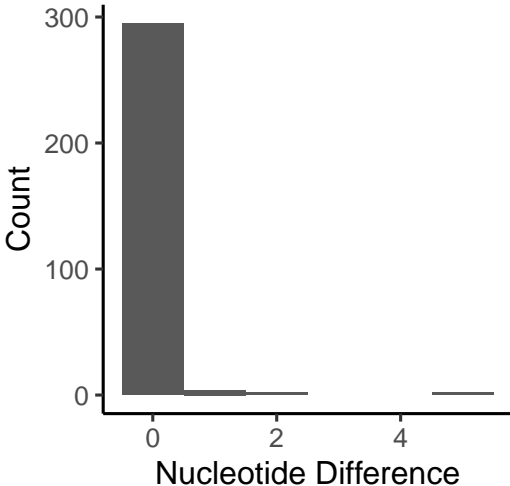
TRBV11-2*ap01

5358 sequences assigned
5318 (99.3%) exact matches, in which:
5259 unique CDR3
13 unique J



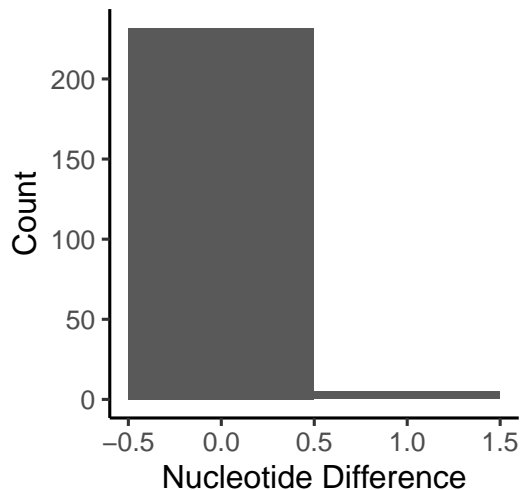
TRBV12-2*ap01

303 sequences assigned
295 (97.4%) exact matches, in which:
293 unique CDR3
13 unique J



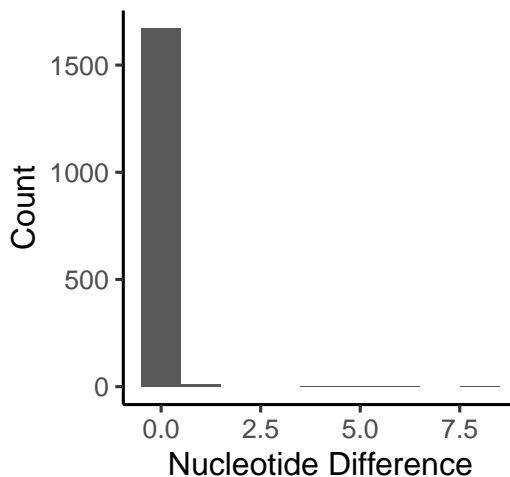
TRBV12–2*ap01_G301A

237 sequences assigned
232 (97.9%) exact matches, in which:
231 unique CDR3
12 unique J



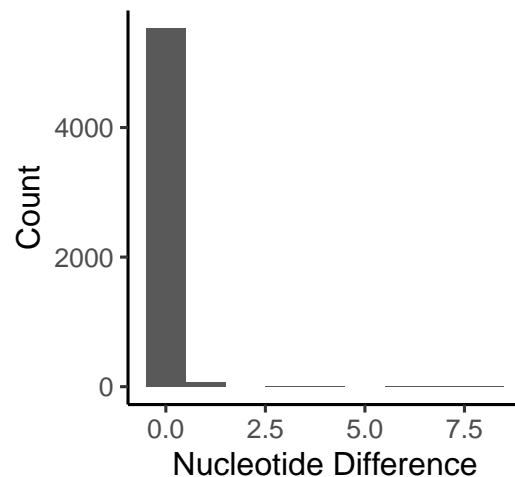
TRBV23–1*ap01

1689 sequences assigned
1671 (98.9%) exact matches, in which:
1653 unique CDR3
13 unique J



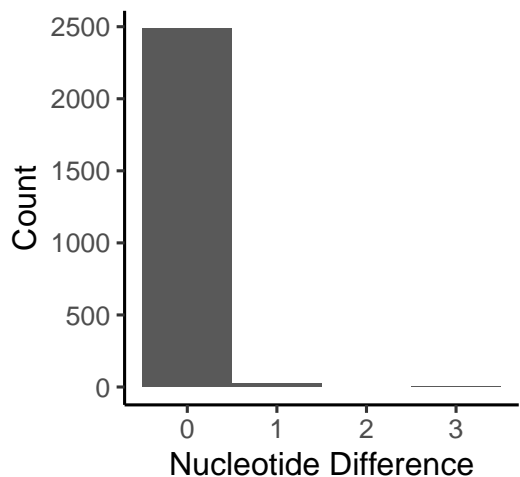
TRBV24–1*ap01

5605 sequences assigned
5530 (98.7%) exact matches, in which:
5437 unique CDR3
13 unique J



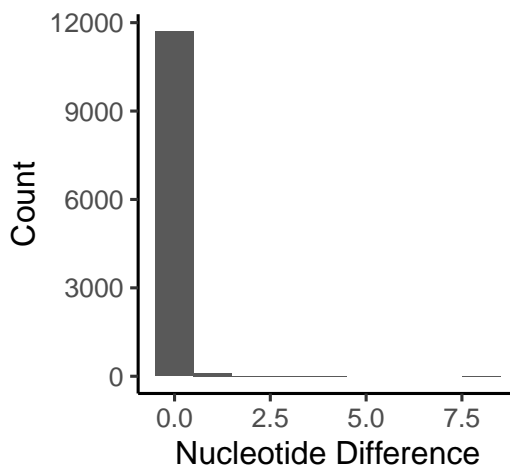
TRBV12–5*ap01

2511 sequences assigned
2486 (99%) exact matches, in which:
2459 unique CDR3
13 unique J



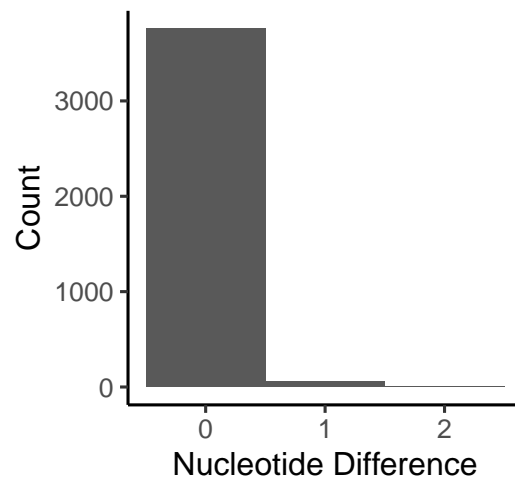
TRBV3–12*ap01

11826 sequences assigned
11701 (98.9%) exact matches, in which:
11554 unique CDR3
13 unique J



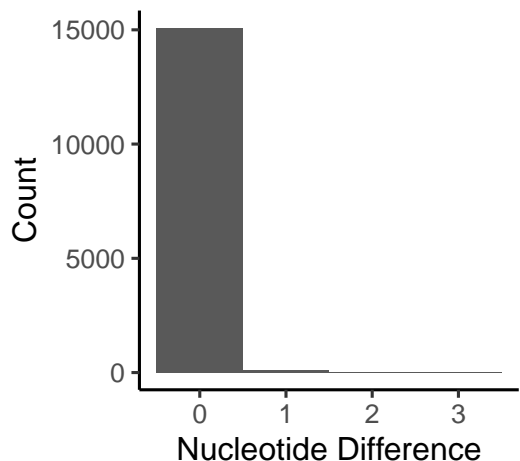
TRBV4–2*ap01

3814 sequences assigned
3757 (98.5%) exact matches, in which:
3707 unique CDR3
13 unique J



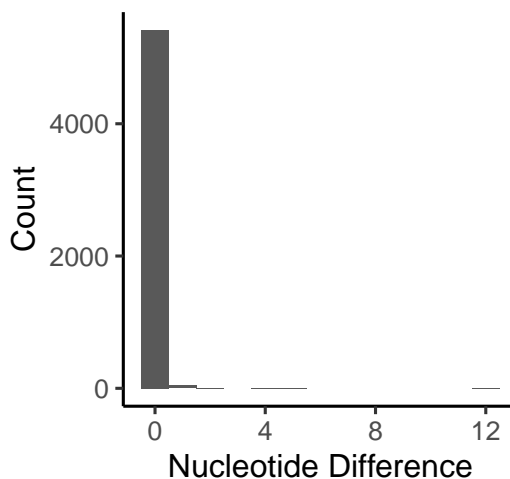
TRBV12–34*ap01

15218 sequences assigned
15089 (99.2%) exact matches, in which:
14933 unique CDR3
13 unique J



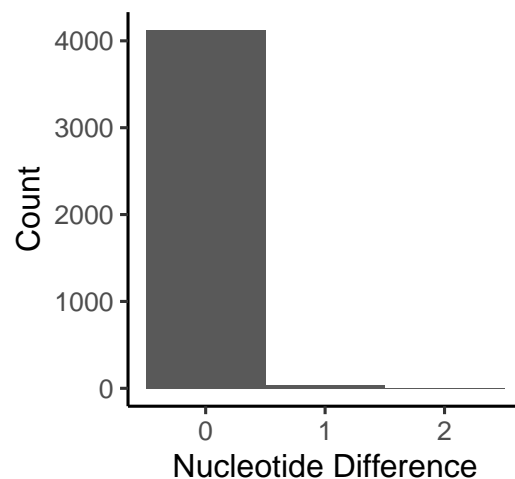
TRBV4–1*ap01

5466 sequences assigned
5417 (99.1%) exact matches, in which:
5338 unique CDR3
13 unique J



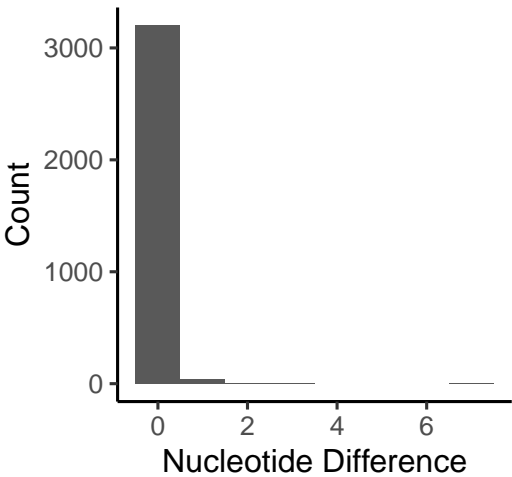
TRBV4–3*ap01

4165 sequences assigned
4124 (99%) exact matches, in which:
4078 unique CDR3
13 unique J



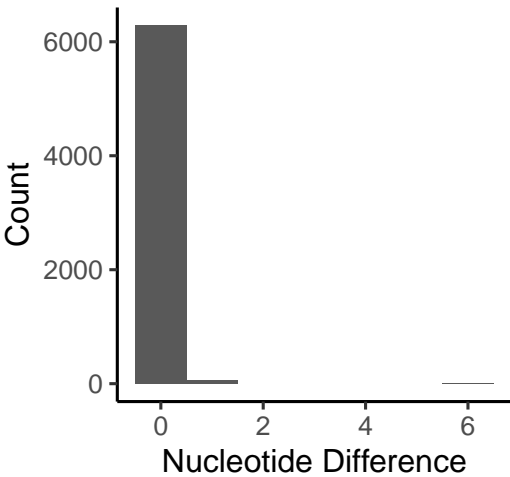
TRBV25-1*ap01

3251 sequences assigned
3201 (98.5%) exact matches, in which:
3153 unique CDR3
13 unique J



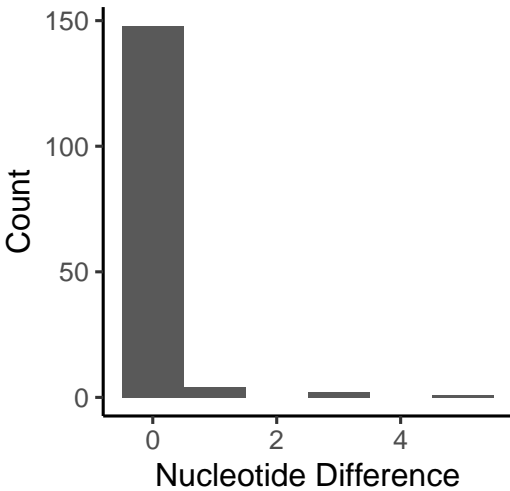
TRBV5-4*ap01

6345 sequences assigned
6287 (99.1%) exact matches, in which:
6218 unique CDR3
13 unique J



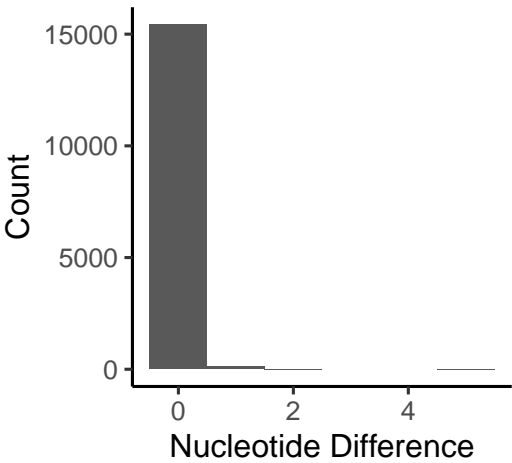
TRBV5-7*ap01

155 sequences assigned
148 (95.5%) exact matches, in which:
145 unique CDR3
13 unique J



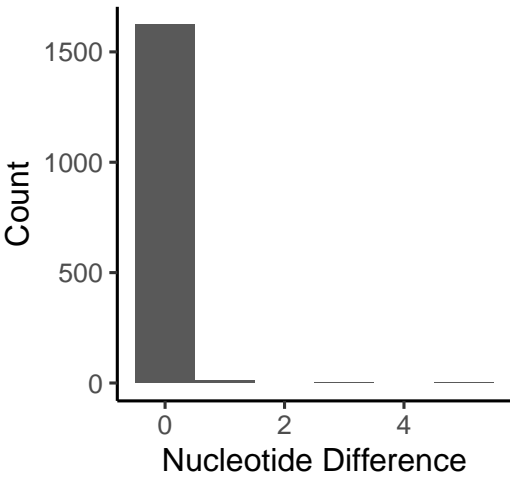
TRBV5-1*ap01

15569 sequences assigned
15434 (99.1%) exact matches, in which:
15171 unique CDR3
13 unique J



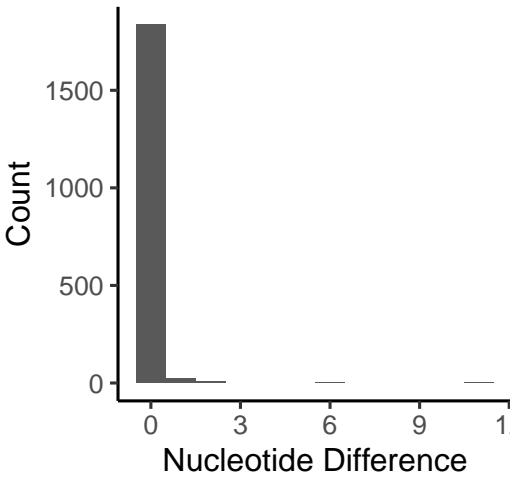
TRBV5-5*ap01

1636 sequences assigned
1623 (99.2%) exact matches, in which:
1612 unique CDR3
13 unique J



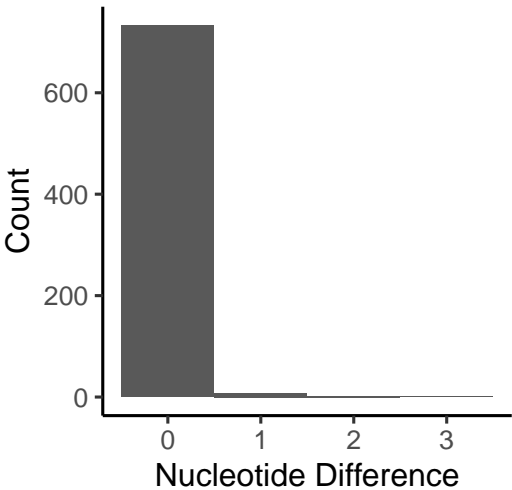
TRBV5-8*ap01

1869 sequences assigned
1836 (98.2%) exact matches, in which:
1814 unique CDR3
13 unique J



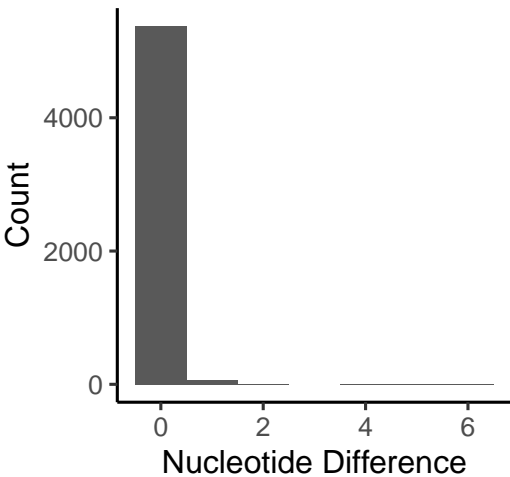
TRBV5-3*ap01

744 sequences assigned
733 (98.5%) exact matches, in which:
730 unique CDR3
13 unique J



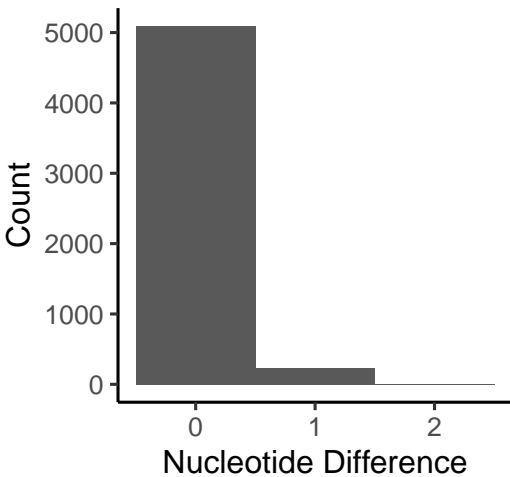
TRBV5-6*ap01

5448 sequences assigned
5376 (98.7%) exact matches, in which:
5258 unique CDR3
13 unique J



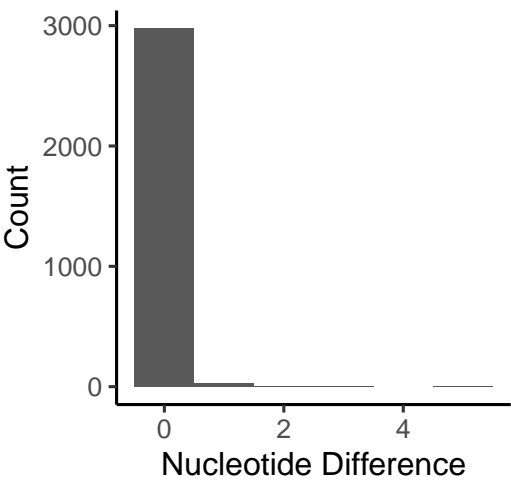
TRBV6-1*ap01

5330 sequences assigned
5093 (95.6%) exact matches, in which:
5019 unique CDR3
13 unique J



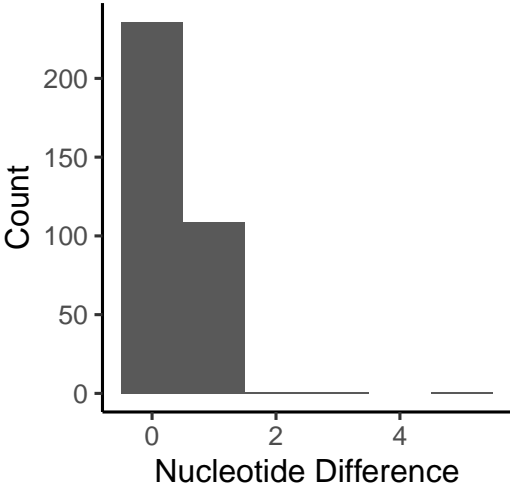
TRBV6-4*ap01

3008 sequences assigned
2977 (99%) exact matches, in which:
2954 unique CDR3
13 unique J



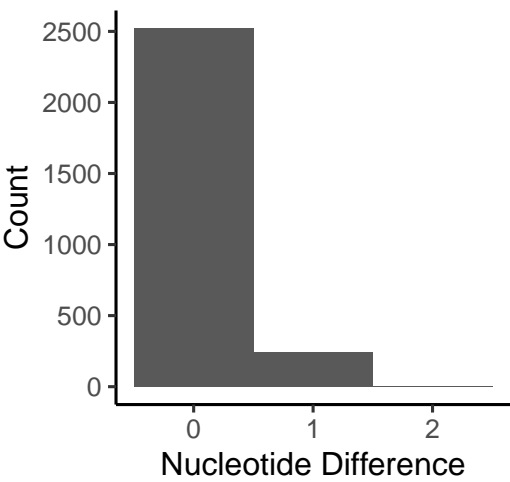
TRBV6-9*ap01

348 sequences assigned
236 (67.8%) exact matches, in which:
233 unique CDR3
13 unique J



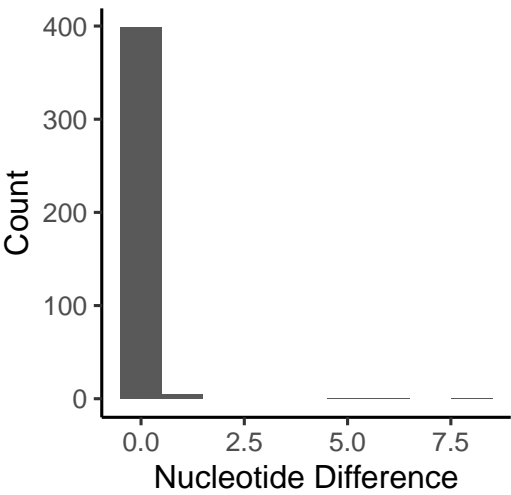
TRBV6-56*ap02

2763 sequences assigned
2521 (91.2%) exact matches, in which:
2466 unique CDR3
13 unique J



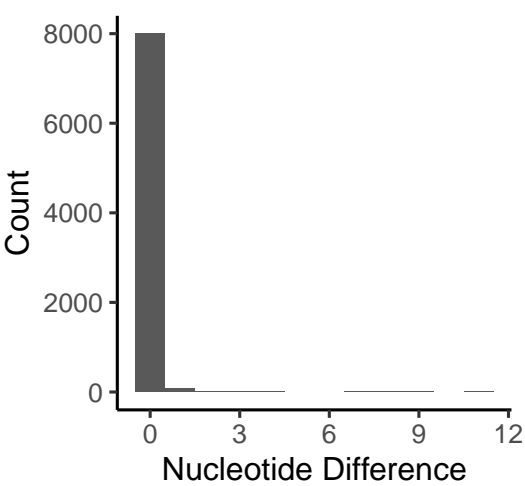
TRBV6-7*ap01

407 sequences assigned
399 (98%) exact matches, in which:
395 unique CDR3
13 unique J



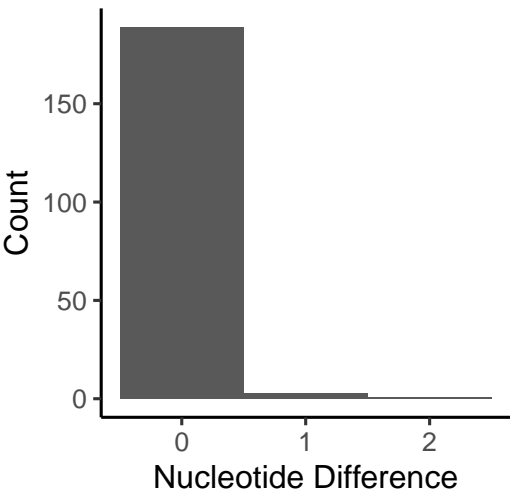
TRBV6-23*ap01

8094 sequences assigned
7998 (98.8%) exact matches, in which:
7835 unique CDR3
13 unique J



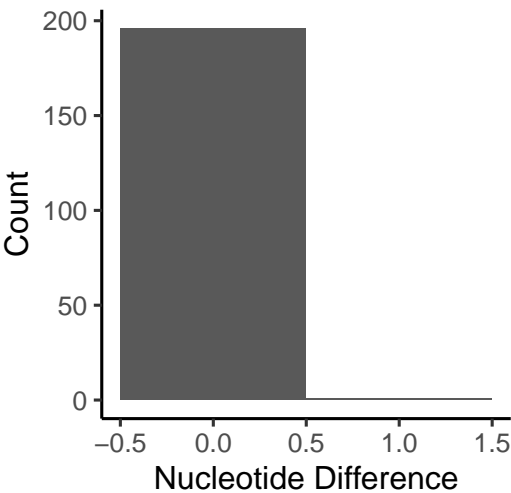
TRBV7-1*ap01_G291C_

193 sequences assigned
189 (97.9%) exact matches, in which:
189 unique CDR3
13 unique J



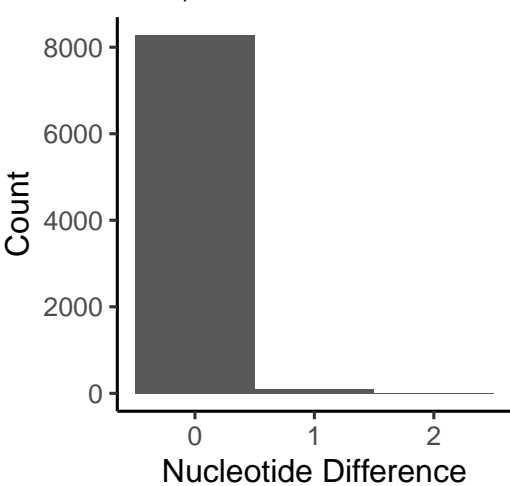
TRBV6-8*ap01

197 sequences assigned
196 (99.5%) exact matches, in which:
192 unique CDR3
13 unique J



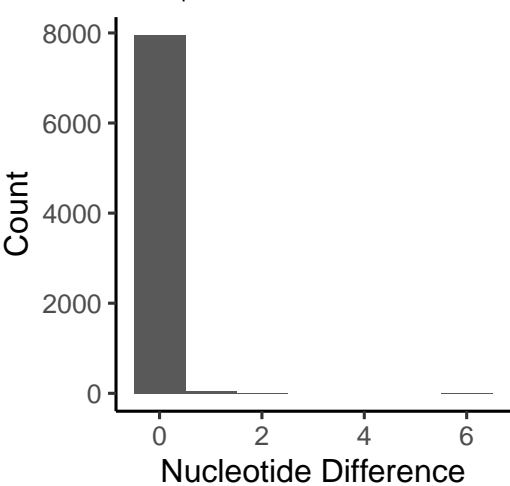
TRBV6-56*ap01

8378 sequences assigned
8281 (98.8%) exact matches, in which:
8108 unique CDR3
13 unique J



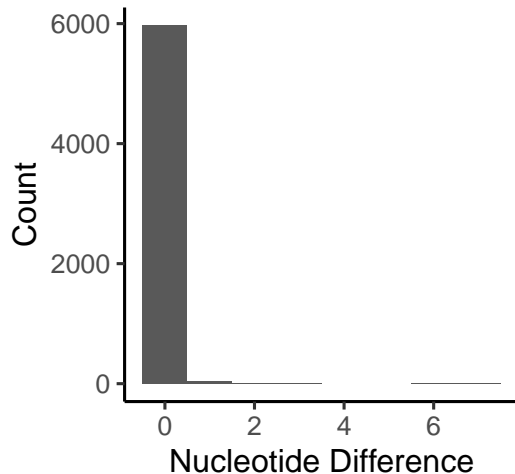
TRBV7-2*ap01

8001 sequences assigned
7953 (99.4%) exact matches, in which:
7881 unique CDR3
13 unique J



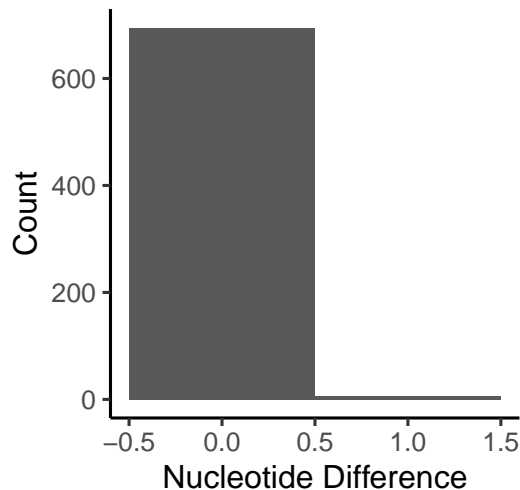
TRBV7-3*ap01

6015 sequences assigned
5970 (99.3%) exact matches, in which:
5923 unique CDR3
14 unique J



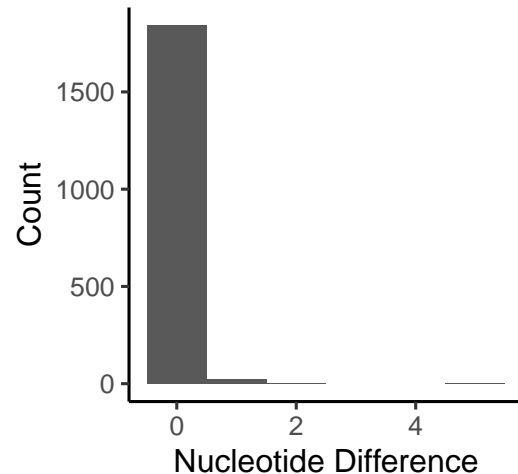
TRBV7-7*ap01

702 sequences assigned
695 (99%) exact matches, in which:
687 unique CDR3
13 unique J



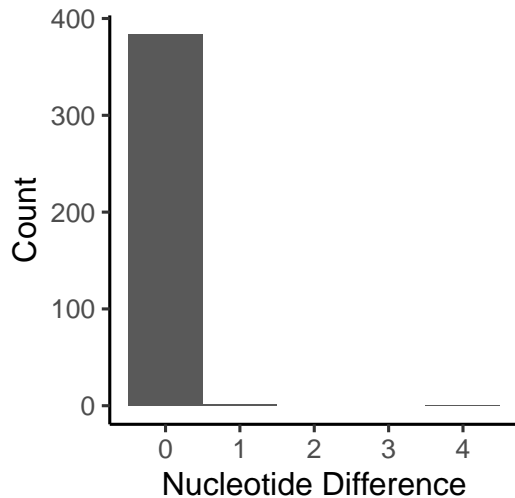
TRBV7-8*ap02

1866 sequences assigned
1842 (98.7%) exact matches, in which:
1823 unique CDR3
13 unique J



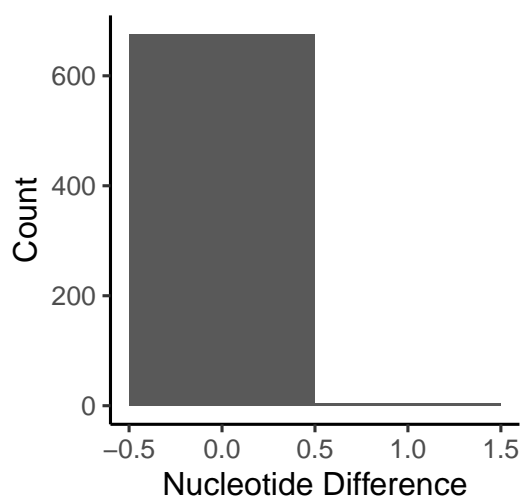
TRBV7-4*ap01

387 sequences assigned
384 (99.2%) exact matches, in which:
383 unique CDR3
13 unique J



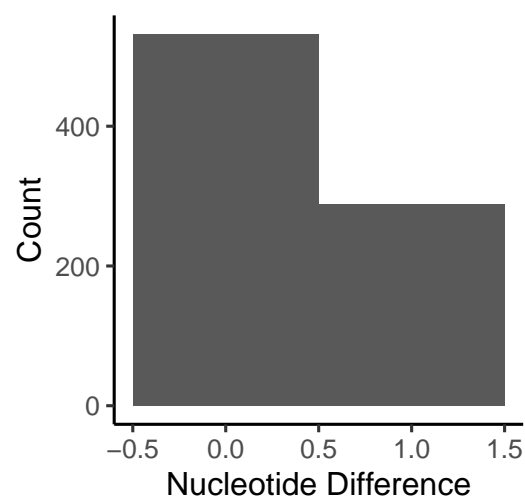
TRBV7-7*ap01_C315T

681 sequences assigned
676 (99.3%) exact matches, in which:
670 unique CDR3
13 unique J



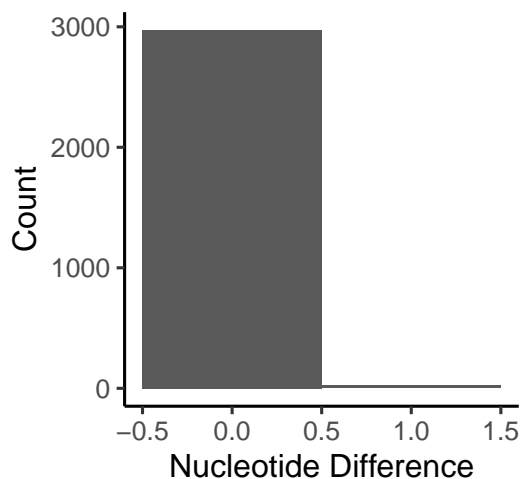
TRBV7-8*ap03

820 sequences assigned
532 (64.9%) exact matches, in which:
523 unique CDR3
13 unique J



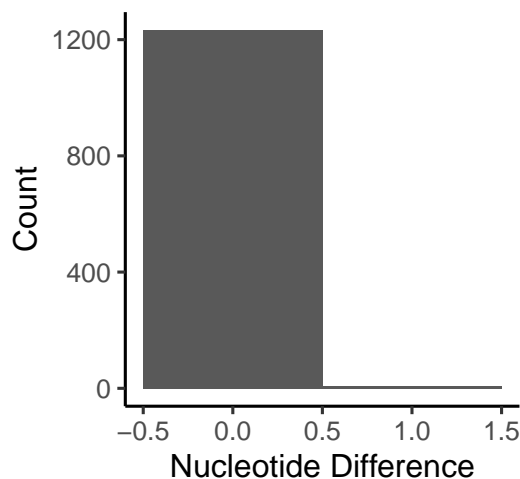
TRBV7-6*ap01

2997 sequences assigned
2973 (99.2%) exact matches, in which:
2936 unique CDR3
13 unique J



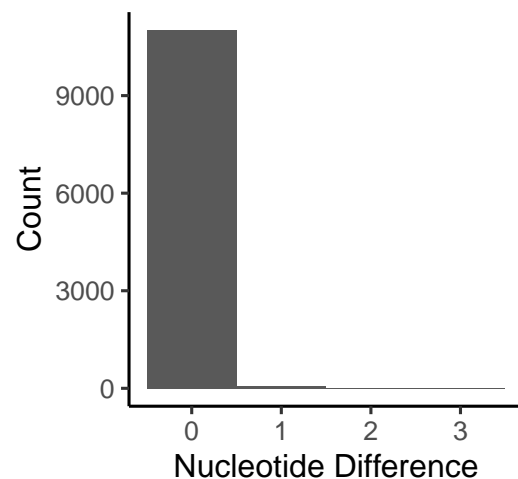
TRBV7-8*ap01

1240 sequences assigned
1233 (99.4%) exact matches, in which:
1219 unique CDR3
12 unique J



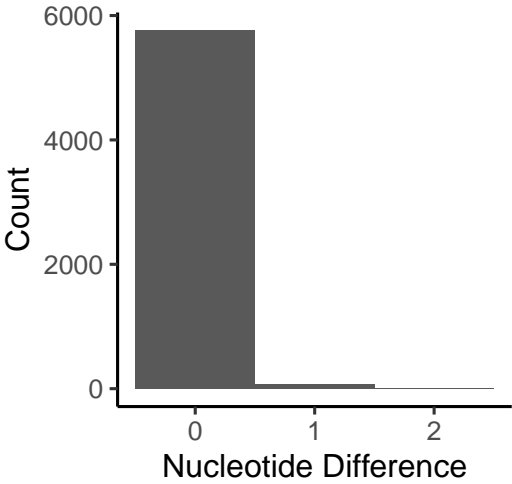
TRBV7-9*ap01

11097 sequences assigned
11016 (99.3%) exact matches, in which:
10921 unique CDR3
13 unique J



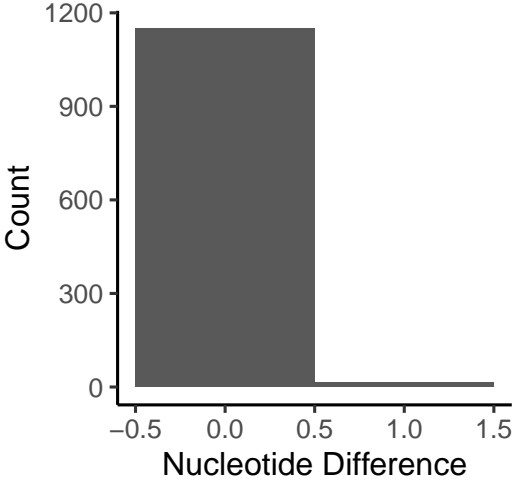
TRBV29-1*ap01

5833 sequences assigned
5761 (98.8%) exact matches, in which:
5642 unique CDR3
13 unique J

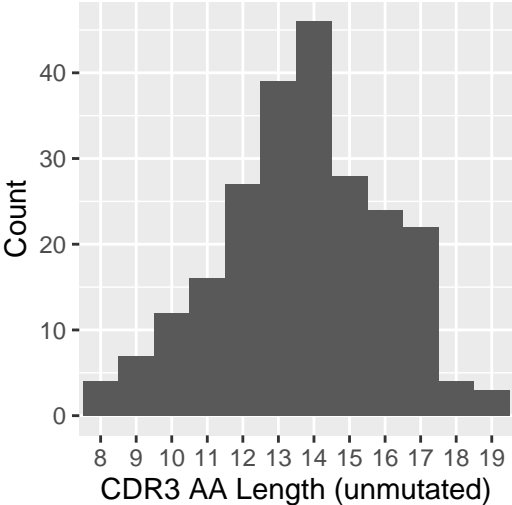


TRBV29-1*ap02

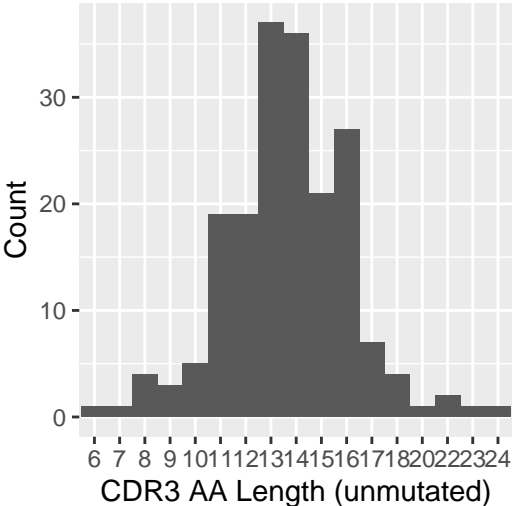
1163 sequences assigned
1149 (98.8%) exact matches, in which:
1127 unique CDR3
13 unique J



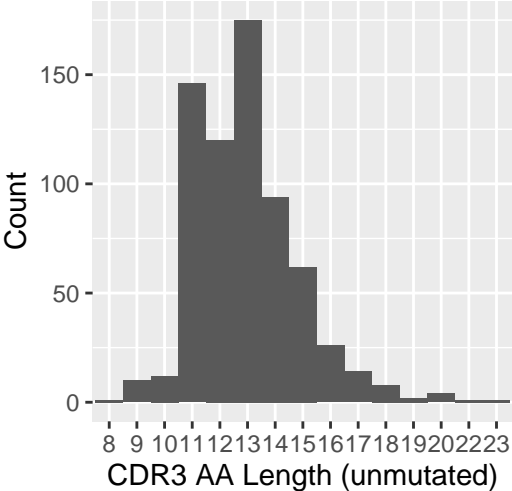
TRBV12-2*ap01_G301A

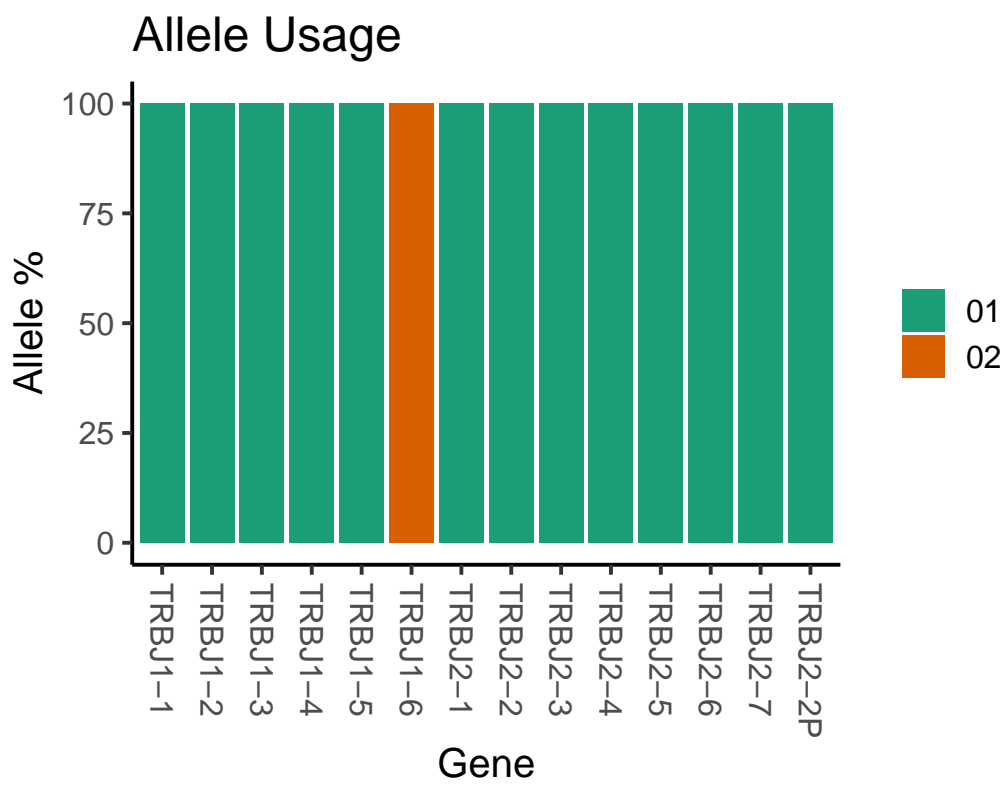


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]