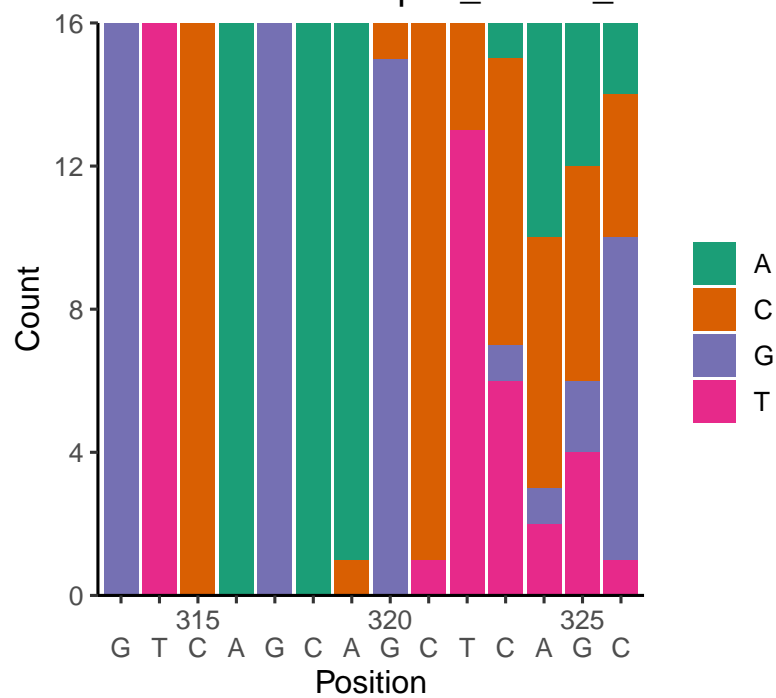
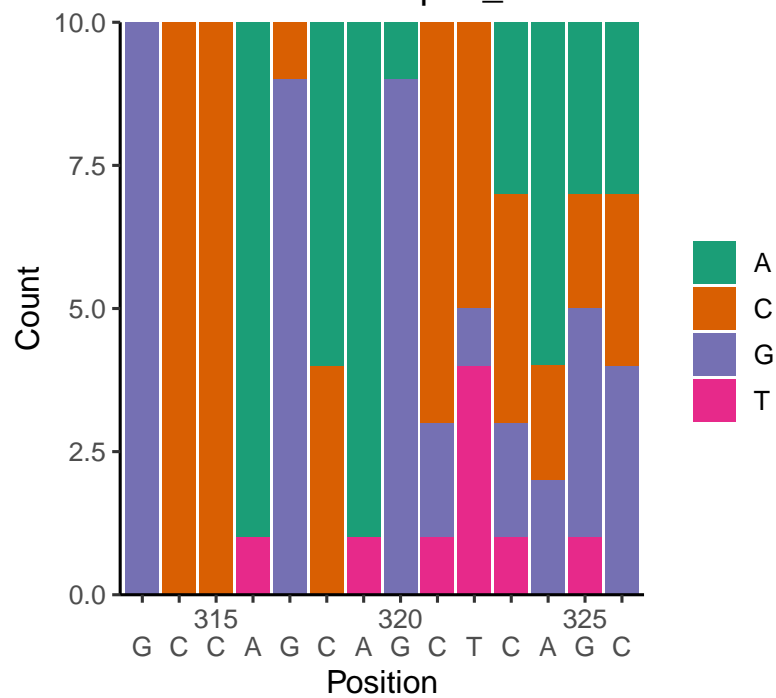


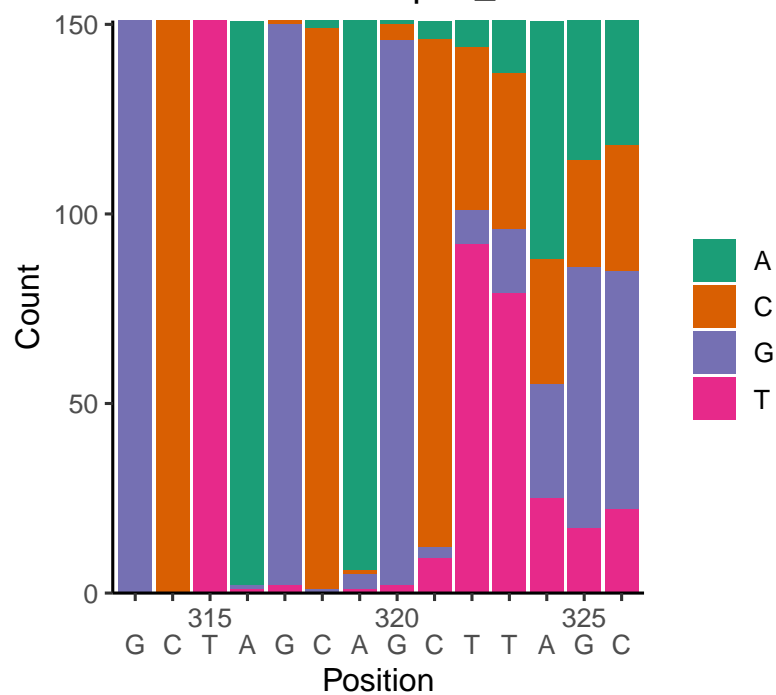
Gene TRBV7-1\*ap01\_T296C\_C314T



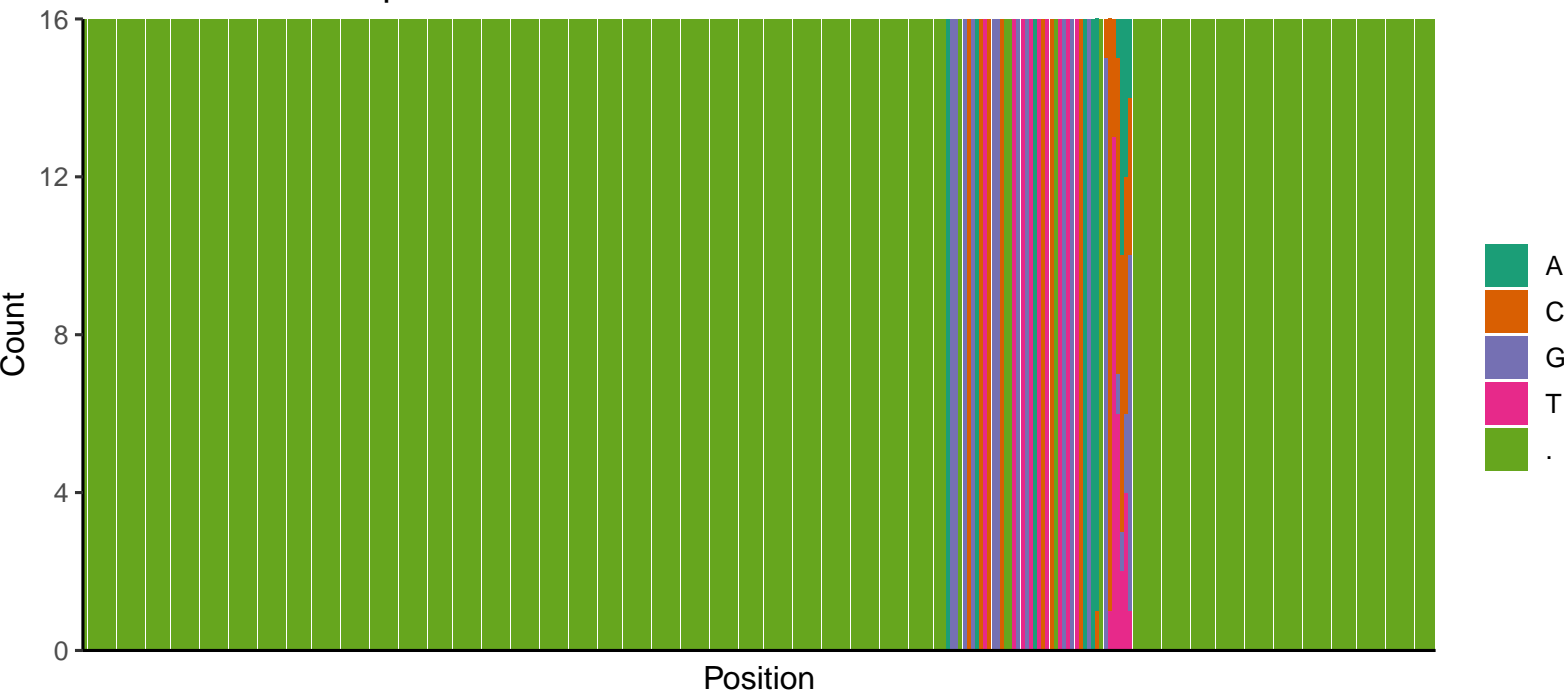
Gene TRBV7-1\*ap01\_T296C



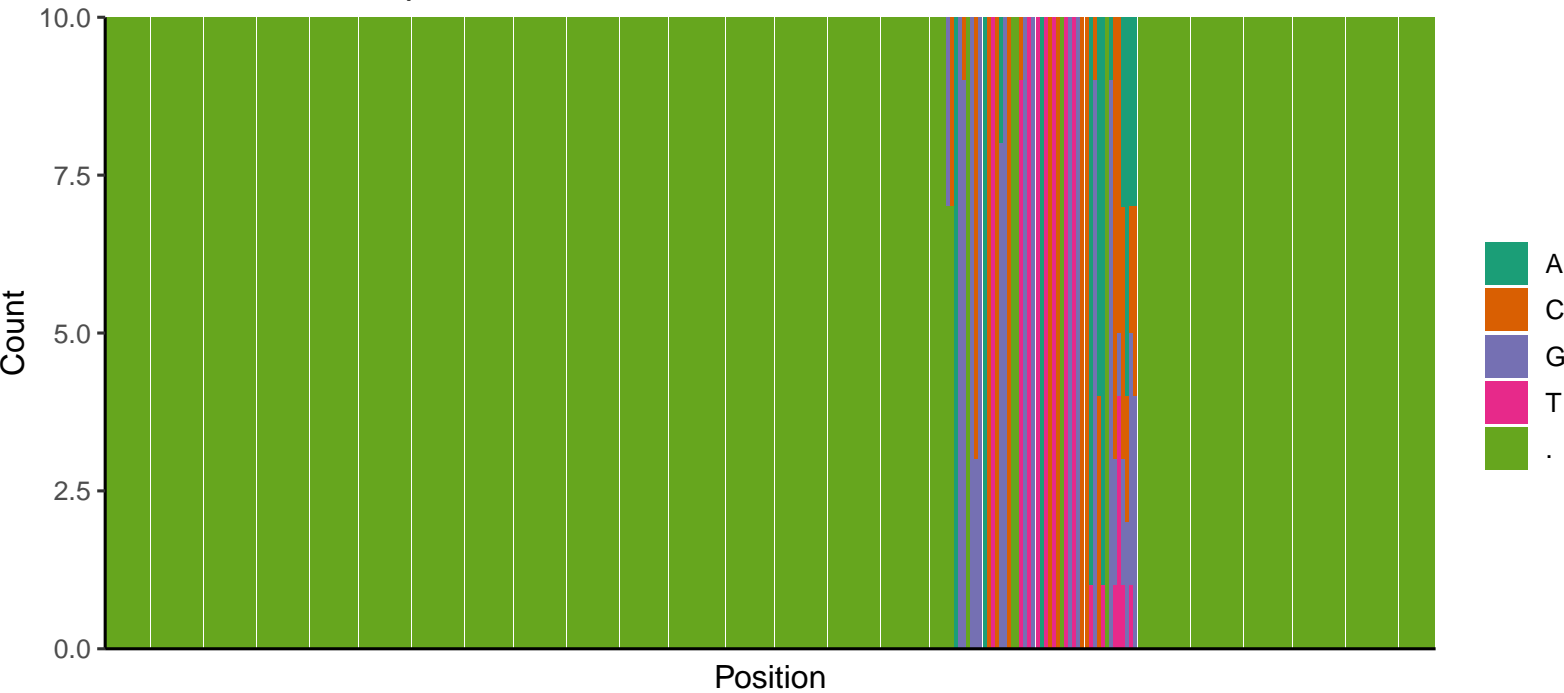
Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_T296C\_C314T



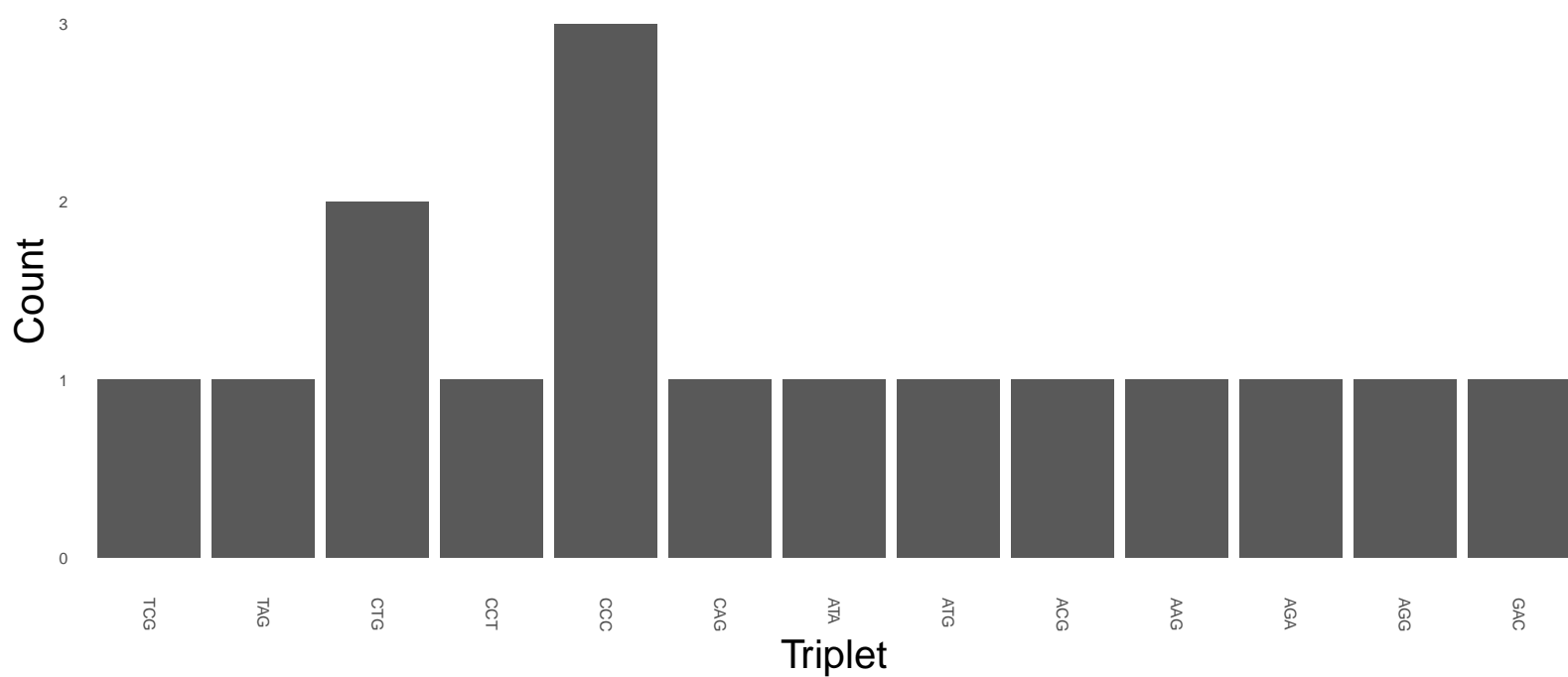
Gene TRBV7-1\*ap01\_T296C



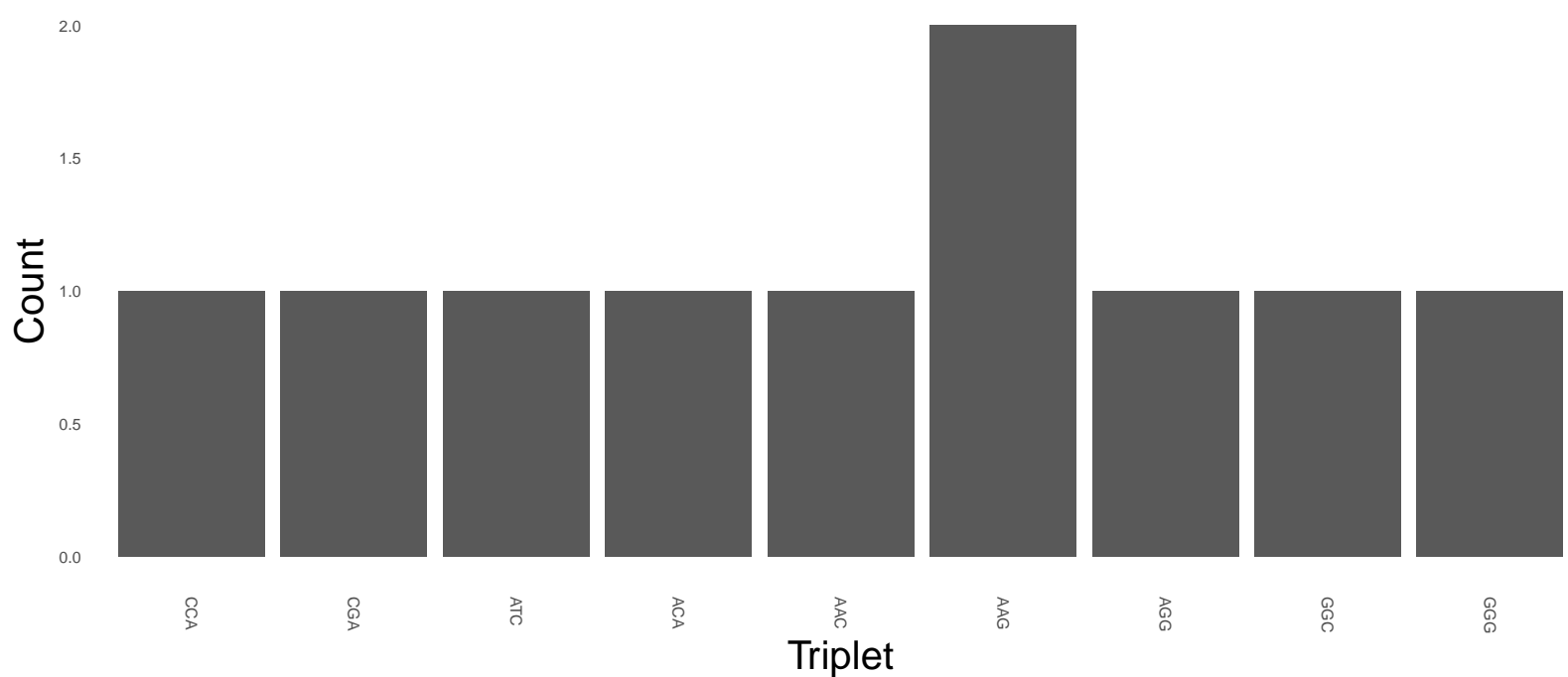
Gene TRBV7-7\*ap01\_C315T



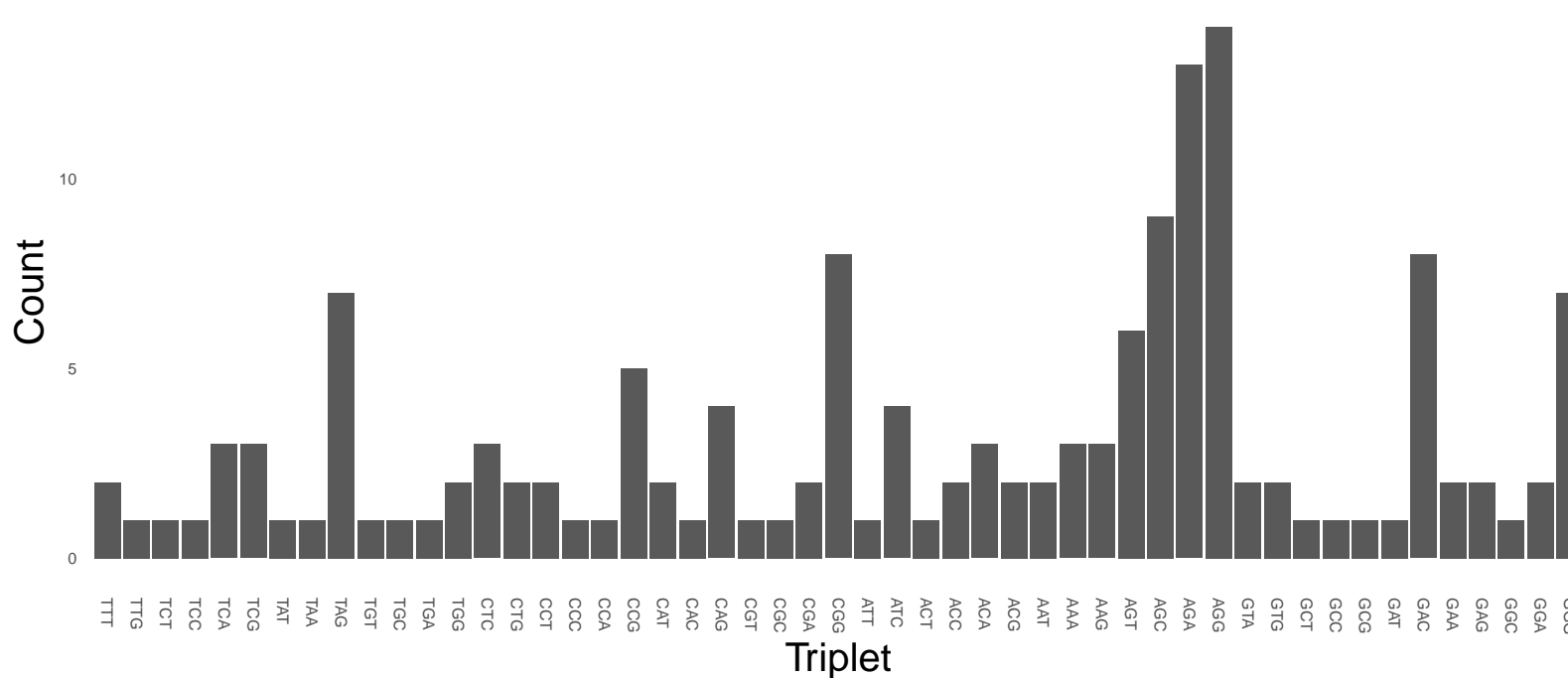
TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet

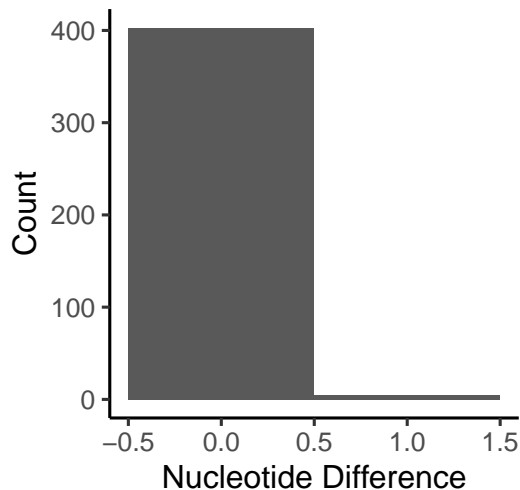


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



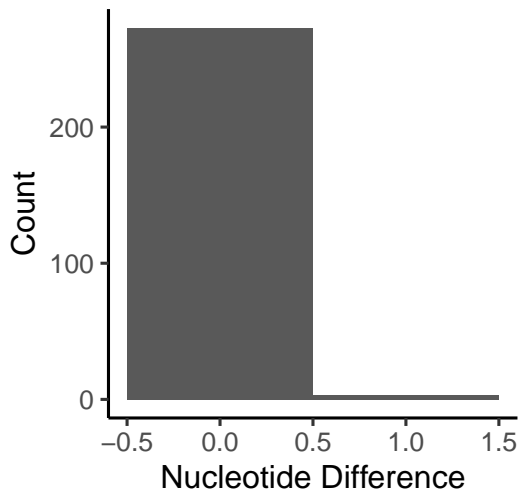
### TRBV10–1\*ap01

408 sequences assigned  
403 (98.8%) exact matches, in which:  
399 unique CDR3  
13 unique J



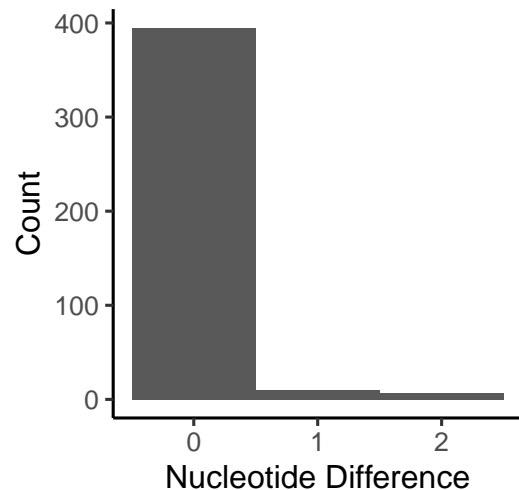
### TRBV10–2\*ap01

276 sequences assigned  
273 (98.9%) exact matches, in which:  
272 unique CDR3  
13 unique J



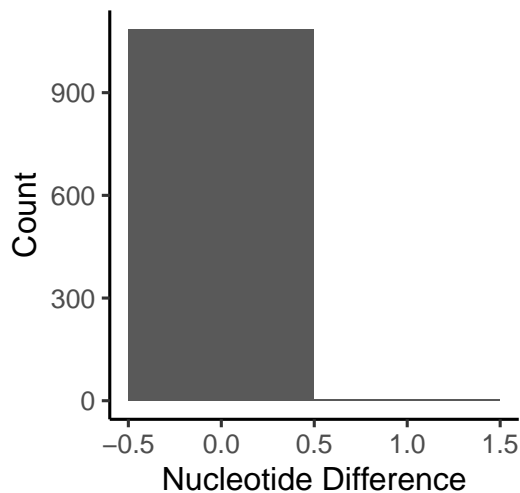
### TRBV13\*ap01

412 sequences assigned  
395 (95.9%) exact matches, in which:  
394 unique CDR3  
13 unique J



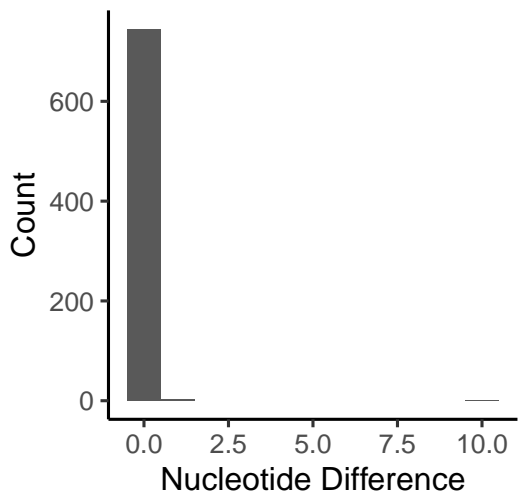
### TRBV20–1\*ap01

1090 sequences assigned  
1086 (99.6%) exact matches, in which:  
1082 unique CDR3  
13 unique J



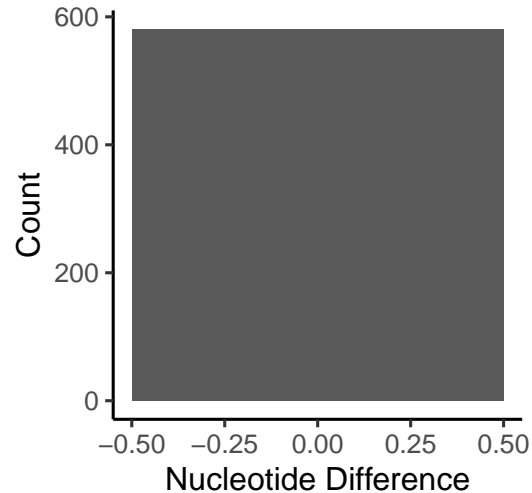
### TRBV10–3\*ap01

750 sequences assigned  
745 (99.3%) exact matches, in which:  
745 unique CDR3  
13 unique J



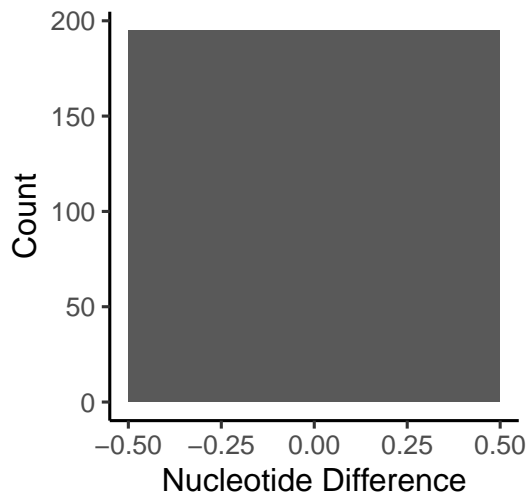
### TRBV14\*ap01

581 sequences assigned  
581 (100%) exact matches, in which:  
581 unique CDR3  
13 unique J



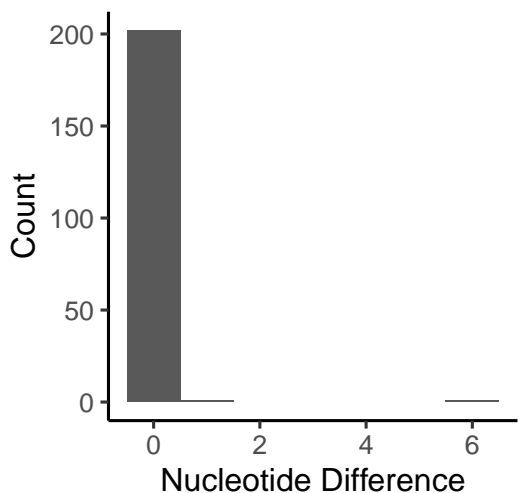
### TRBV20–1\*ap02

195 sequences assigned  
195 (100%) exact matches, in which:  
195 unique CDR3  
13 unique J



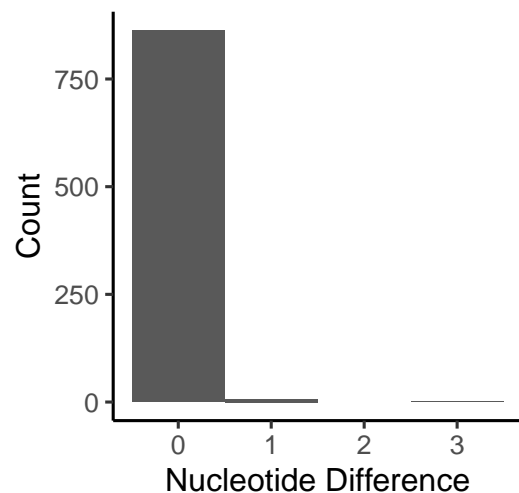
### TRBV1\*ap01

204 sequences assigned  
202 (99%) exact matches, in which:  
202 unique CDR3  
13 unique J



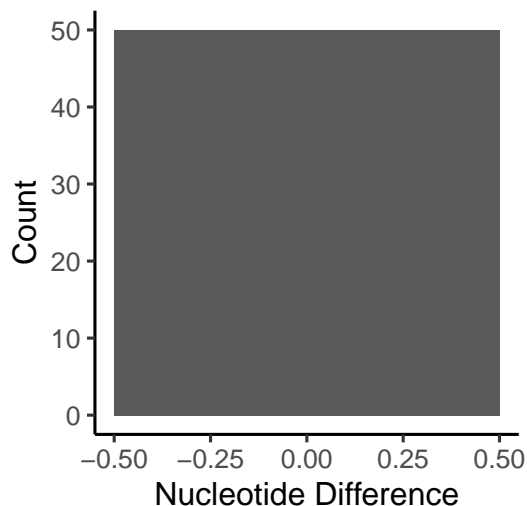
### TRBV15\*ap02

872 sequences assigned  
863 (99%) exact matches, in which:  
859 unique CDR3  
13 unique J



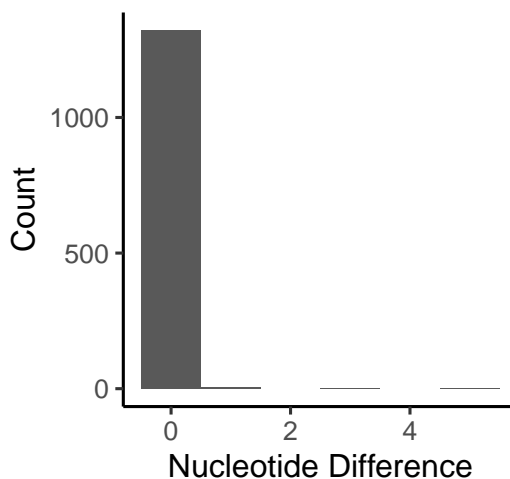
### TRBV16\*ap01

50 sequences assigned  
50 (100%) exact matches, in which:  
50 unique CDR3  
11 unique J



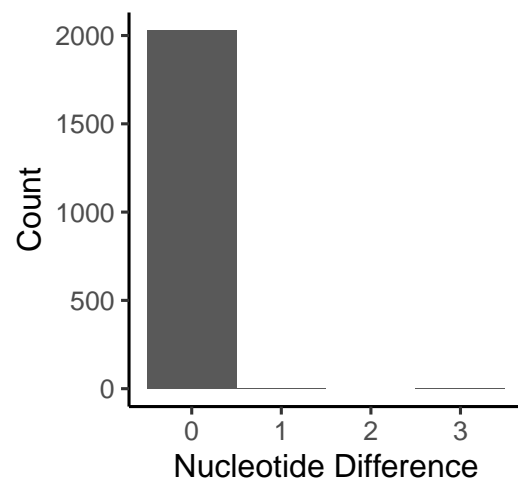
### TRBV19\*ap01

1329 sequences assigned  
1321 (99.4%) exact matches, in which:  
1319 unique CDR3  
13 unique J



### TRBV28\*ap01

2036 sequences assigned  
2029 (99.7%) exact matches, in which:  
2026 unique CDR3  
13 unique J



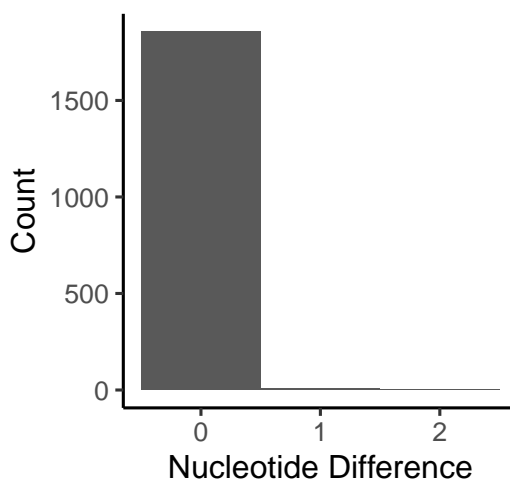
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



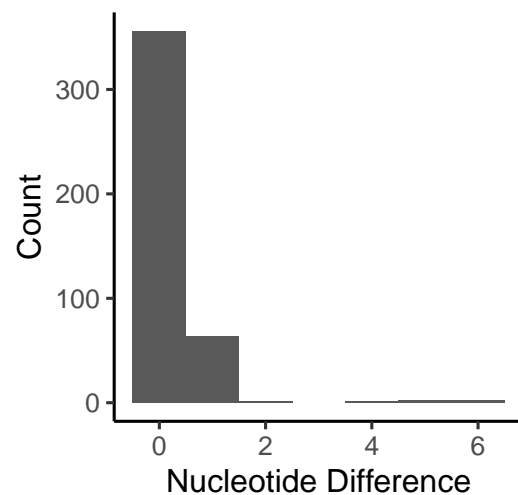
### TRBV2\*ap01

1864 sequences assigned  
1856 (99.6%) exact matches, in which:  
1854 unique CDR3  
13 unique J



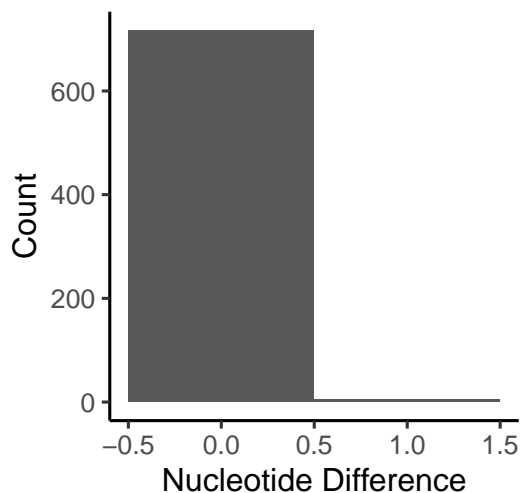
### TRBV30\*ap02

426 sequences assigned  
356 (83.6%) exact matches, in which:  
354 unique CDR3  
13 unique J



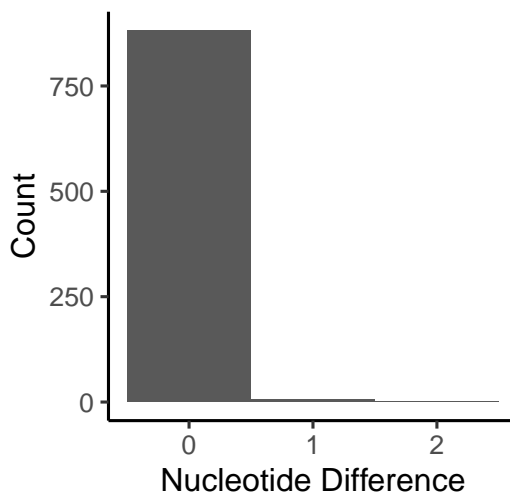
### TRBV18\*ap01

721 sequences assigned  
717 (99.4%) exact matches, in which:  
716 unique CDR3  
13 unique J



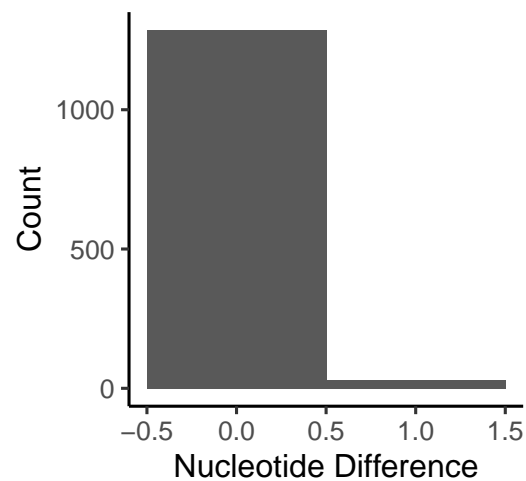
### TRBV27\*ap01

888 sequences assigned  
882 (99.3%) exact matches, in which:  
881 unique CDR3  
13 unique J



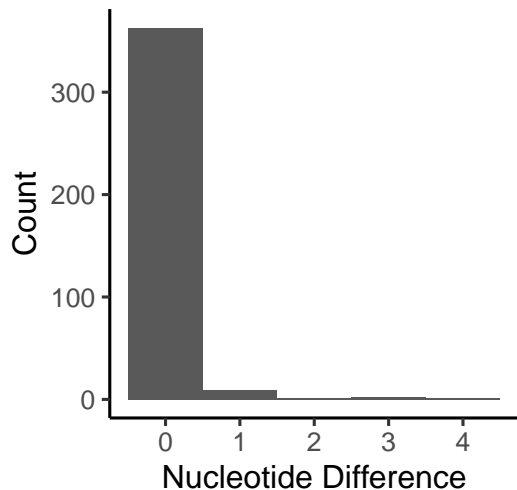
### TRBV9\*ap01

1315 sequences assigned  
1286 (97.8%) exact matches, in which:  
1285 unique CDR3  
13 unique J



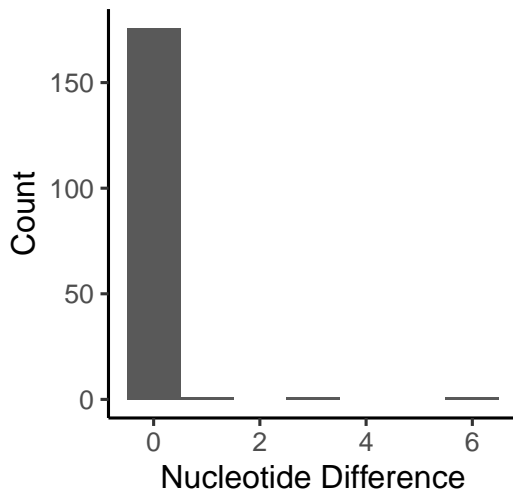
### TRBV21–1\*ap01

376 sequences assigned  
363 (96.5%) exact matches, in which:  
363 unique CDR3  
13 unique J



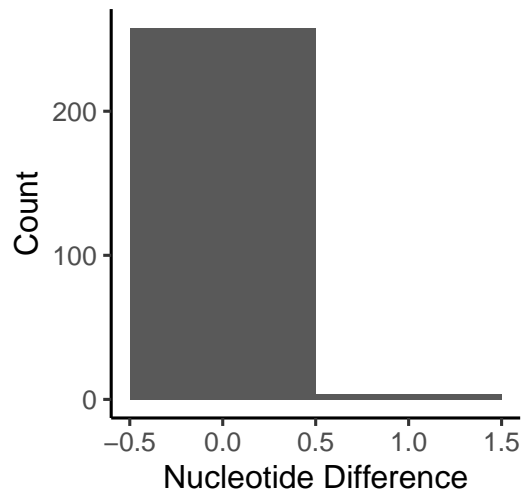
### TRBV11–3\*ap01

179 sequences assigned  
176 (98.3%) exact matches, in which:  
176 unique CDR3  
13 unique J



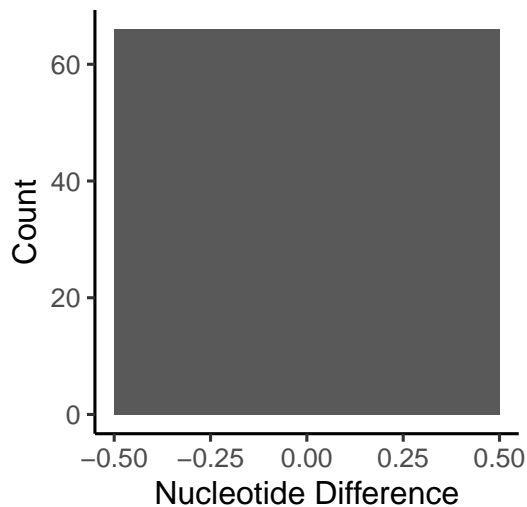
### TRBV12–5\*ap01

262 sequences assigned  
258 (98.5%) exact matches, in which:  
257 unique CDR3  
13 unique J



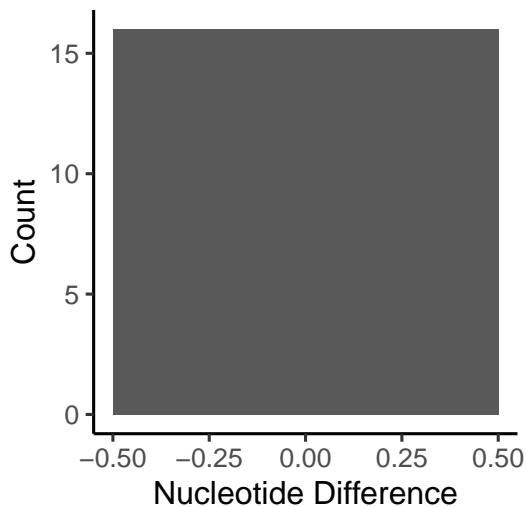
### TRBV11–1\*ap01

66 sequences assigned  
66 (100%) exact matches, in which:  
66 unique CDR3  
13 unique J



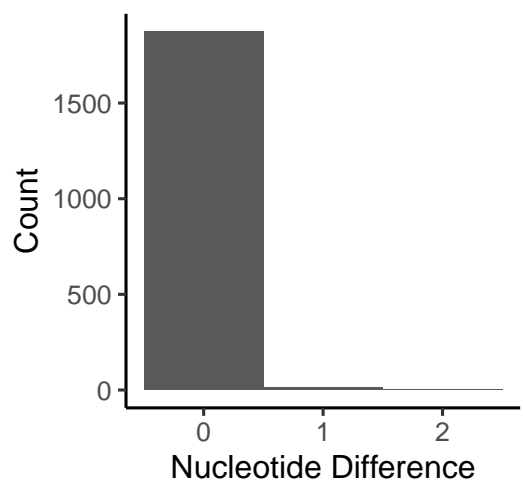
### TRBV12–1\*ap01

16 sequences assigned  
16 (100%) exact matches, in which:  
16 unique CDR3  
8 unique J



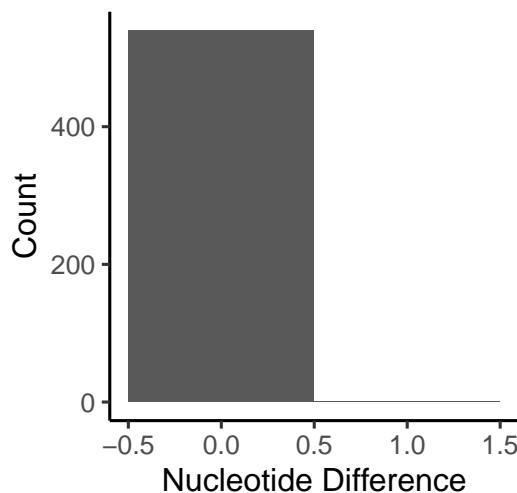
### TRBV12–34\*ap01

1887 sequences assigned  
1873 (99.3%) exact matches, in which:  
1870 unique CDR3  
13 unique J



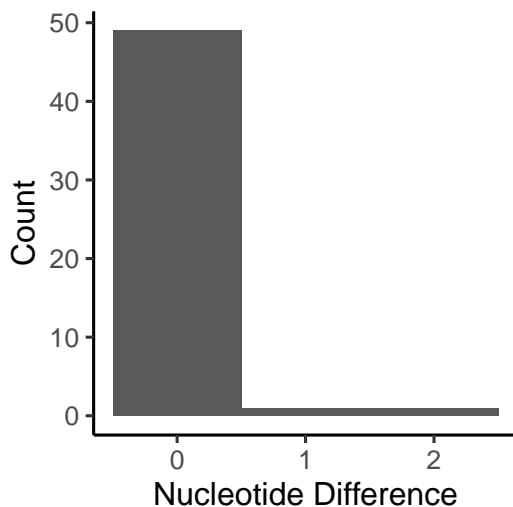
### TRBV11–2\*ap01

541 sequences assigned  
540 (99.8%) exact matches, in which:  
540 unique CDR3  
13 unique J



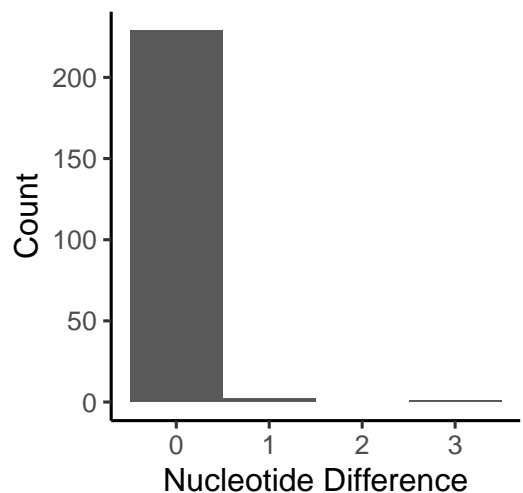
### TRBV12–2\*ap01

51 sequences assigned  
49 (96.1%) exact matches, in which:  
49 unique CDR3  
11 unique J



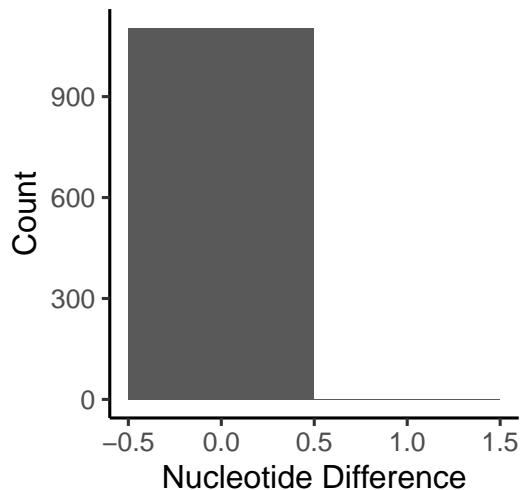
### TRBV23–1\*ap01

232 sequences assigned  
229 (98.7%) exact matches, in which:  
229 unique CDR3  
13 unique J



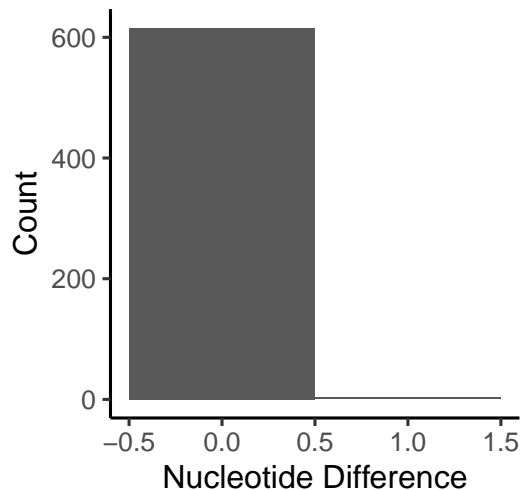
### TRBV3-12\*ap01

1106 sequences assigned  
1105 (99.9%) exact matches, in which:  
1103 unique CDR3  
13 unique J



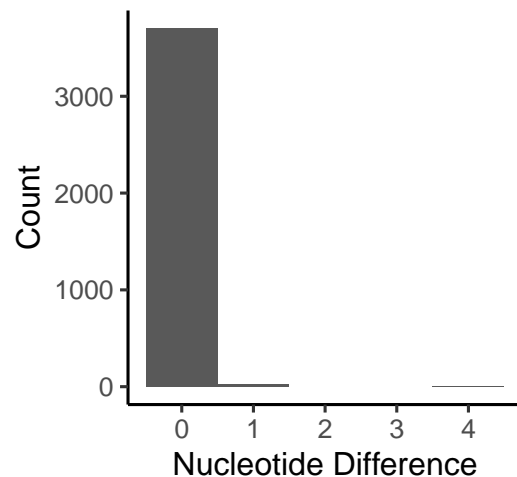
### TRBV4-2\*ap01

619 sequences assigned  
616 (99.5%) exact matches, in which:  
613 unique CDR3  
13 unique J



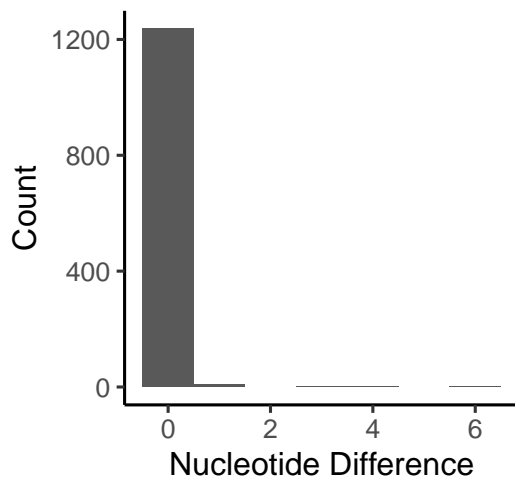
### TRBV5-1\*ap01

3724 sequences assigned  
3701 (99.4%) exact matches, in which:  
3696 unique CDR3  
13 unique J



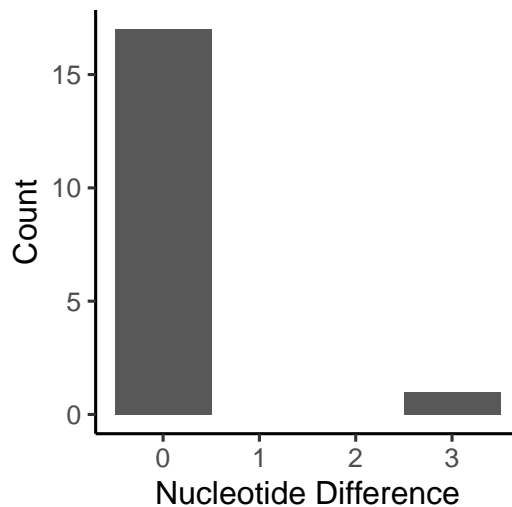
### TRBV24-1\*ap01

1250 sequences assigned  
1237 (99%) exact matches, in which:  
1232 unique CDR3  
13 unique J



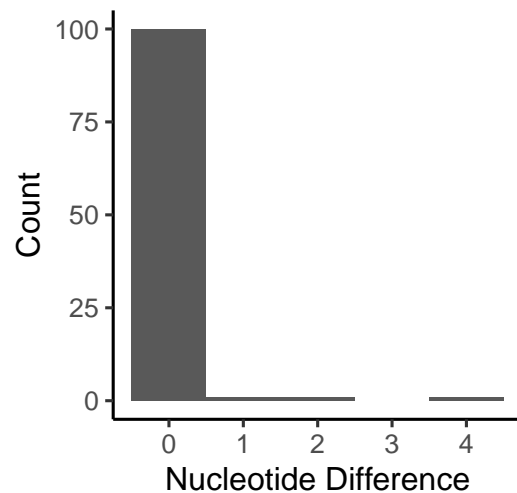
### TRBV4-3\*ap01

18 sequences assigned  
17 (94.4%) exact matches, in which:  
17 unique CDR3  
8 unique J



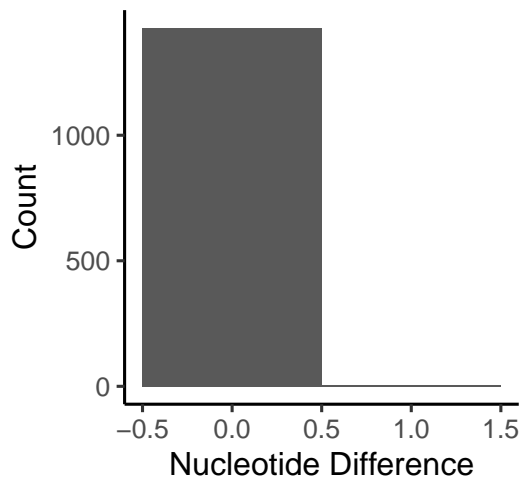
### TRBV5-3\*ap01

103 sequences assigned  
100 (97.1%) exact matches, in which:  
100 unique CDR3  
12 unique J



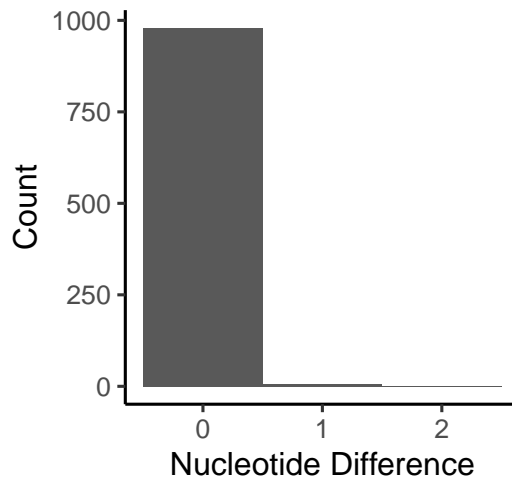
### TRBV4-1\*ap01

1432 sequences assigned  
1427 (99.7%) exact matches, in which:  
1425 unique CDR3  
13 unique J



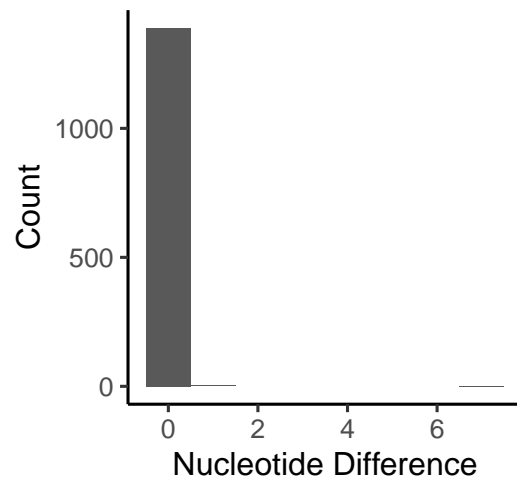
### TRBV25-1\*ap01

986 sequences assigned  
979 (99.3%) exact matches, in which:  
973 unique CDR3  
13 unique J



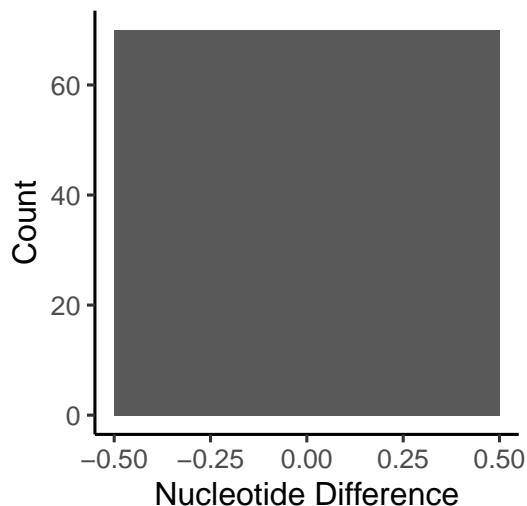
### TRBV5-4\*ap01

1393 sequences assigned  
1389 (99.7%) exact matches, in which:  
1387 unique CDR3  
13 unique J



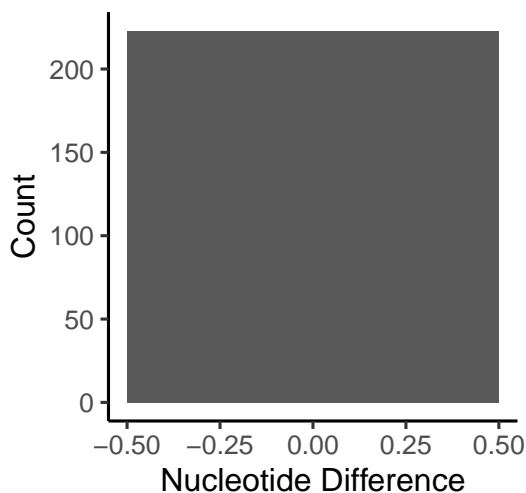
### TRBV5–5\*ap01

70 sequences assigned  
70 (100%) exact matches, in which:  
70 unique CDR3  
11 unique J



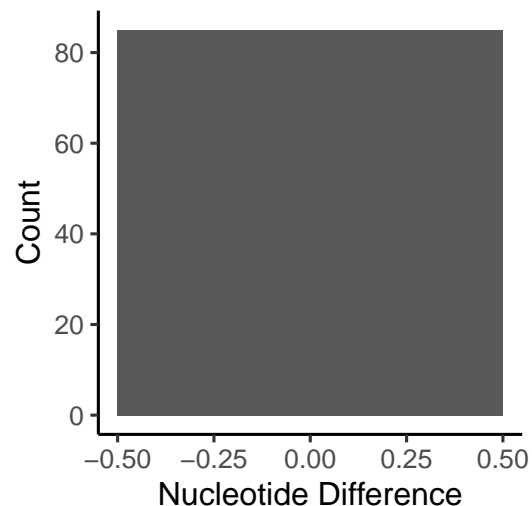
### TRBV5–8\*ap01

223 sequences assigned  
223 (100%) exact matches, in which:  
223 unique CDR3  
13 unique J



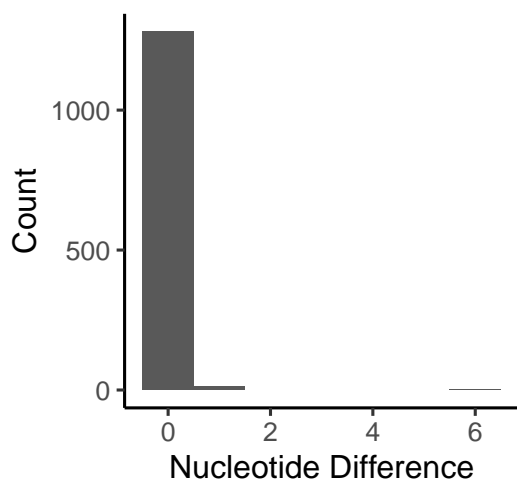
### TRBV6–7\*ap01

85 sequences assigned  
85 (100%) exact matches, in which:  
84 unique CDR3  
11 unique J



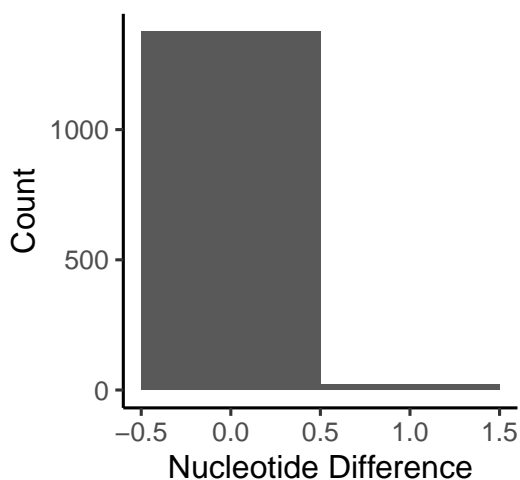
### TRBV5–6\*ap01

1293 sequences assigned  
1280 (99%) exact matches, in which:  
1274 unique CDR3  
13 unique J



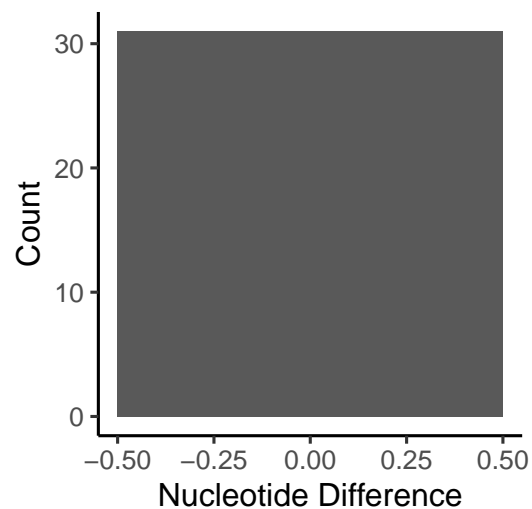
### TRBV6–1\*ap01

1399 sequences assigned  
1376 (98.4%) exact matches, in which:  
1372 unique CDR3  
13 unique J



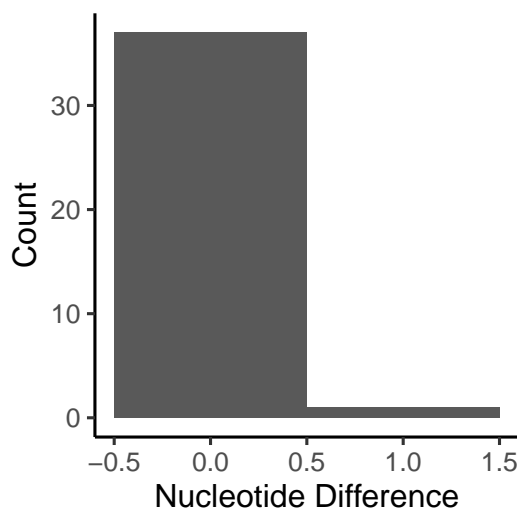
### TRBV6–8\*ap01

31 sequences assigned  
31 (100%) exact matches, in which:  
31 unique CDR3  
11 unique J



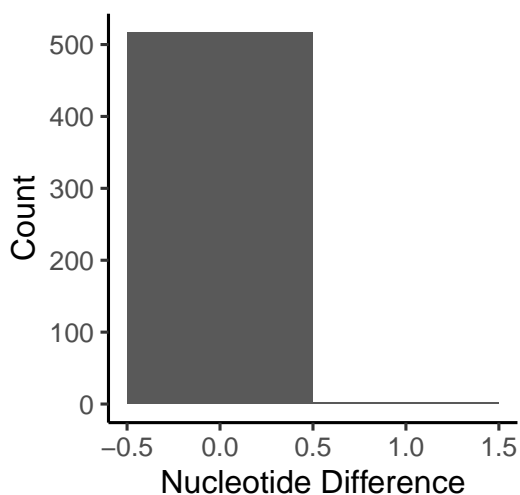
### TRBV5–7\*ap01

38 sequences assigned  
37 (97.4%) exact matches, in which:  
37 unique CDR3  
13 unique J



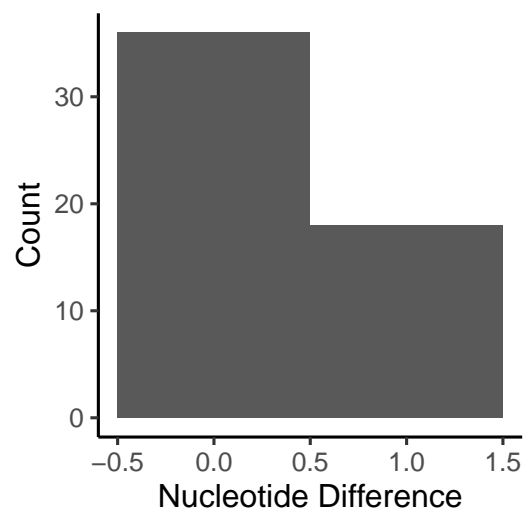
### TRBV6–4\*ap01

519 sequences assigned  
517 (99.6%) exact matches, in which:  
517 unique CDR3  
13 unique J



### TRBV6–9\*ap01

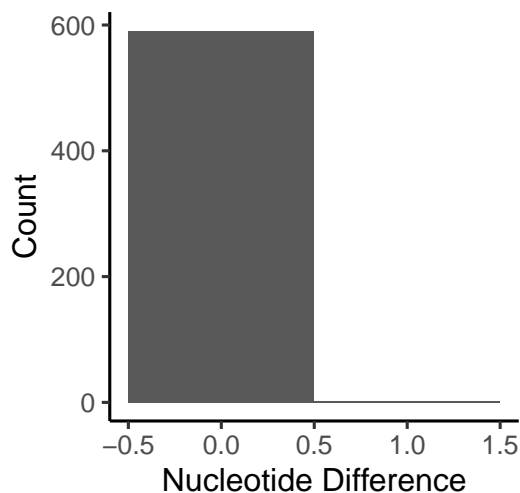
54 sequences assigned  
36 (66.7%) exact matches, in which:  
36 unique CDR3  
11 unique J





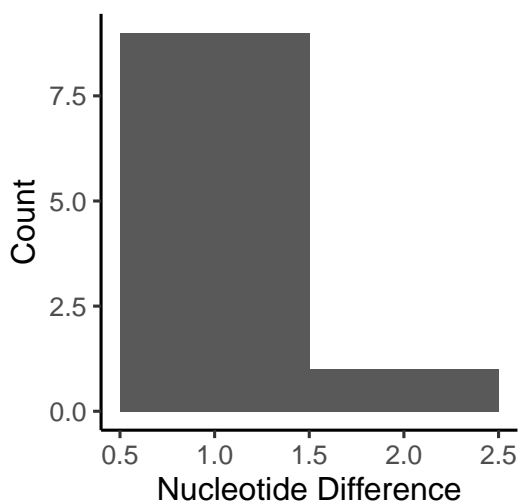
### TRBV6–23\*ap01

593 sequences assigned  
591 (99.7%) exact matches, in which:  
589 unique CDR3  
13 unique J



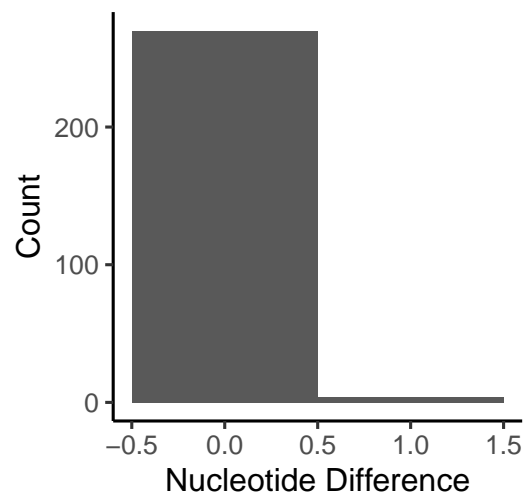
### TRBV7–1\*ap01\_T296C

10 sequences assigned  
No exact matches.



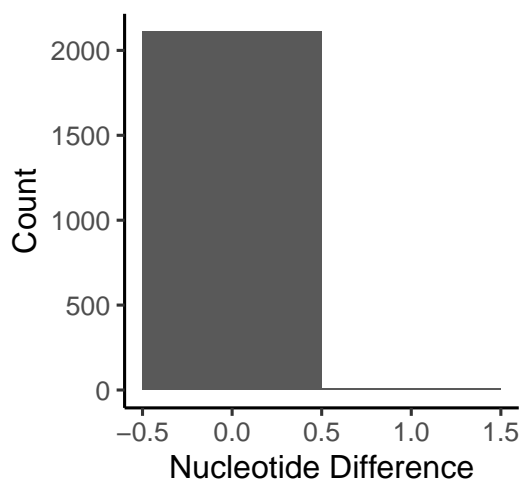
### TRBV7–3\*ap01

274 sequences assigned  
270 (98.5%) exact matches, in which:  
270 unique CDR3  
12 unique J



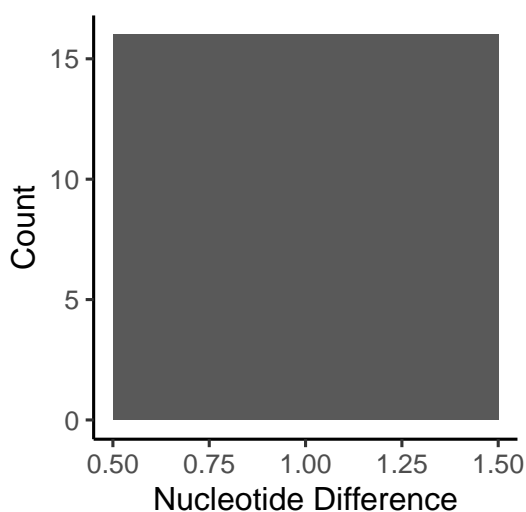
### TRBV6–56\*ap01

2118 sequences assigned  
2110 (99.6%) exact matches, in which:  
2101 unique CDR3  
13 unique J



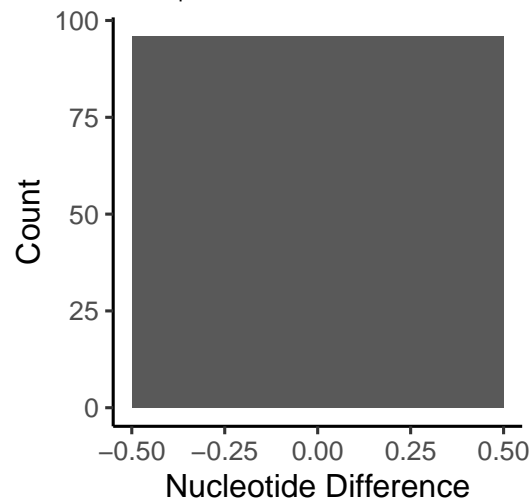
### TRBV7–1\*ap01\_T296C\_C

16 sequences assigned  
No exact matches.



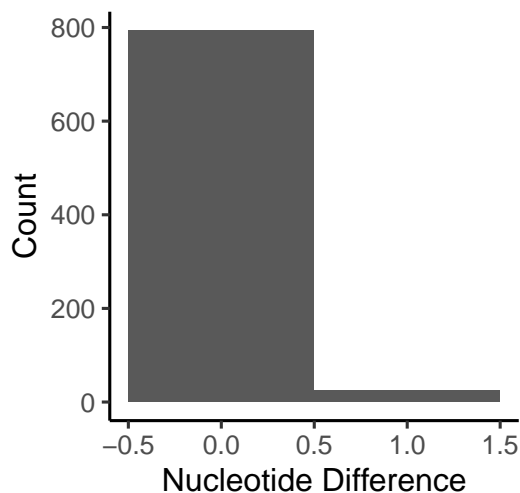
### TRBV7–3\*ap03

96 sequences assigned  
96 (100%) exact matches, in which:  
95 unique CDR3  
13 unique J



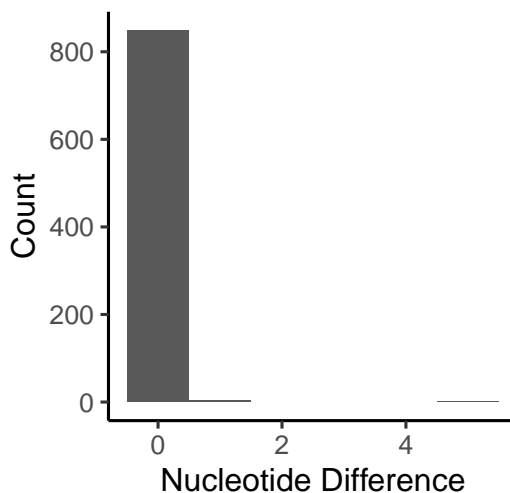
### TRBV6–56\*ap02

819 sequences assigned  
794 (96.9%) exact matches, in which:  
790 unique CDR3  
13 unique J



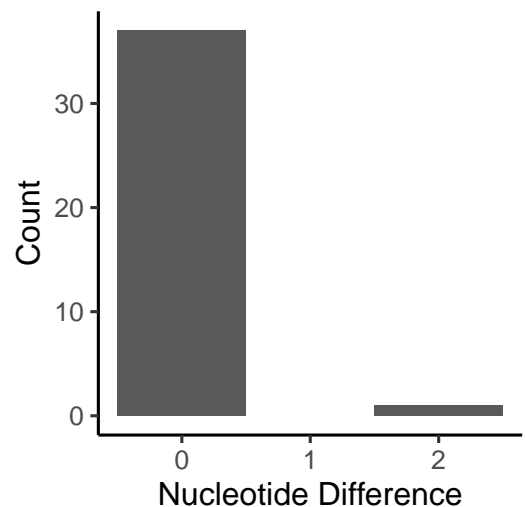
### TRBV7–2\*ap01

853 sequences assigned  
849 (99.5%) exact matches, in which:  
849 unique CDR3  
13 unique J



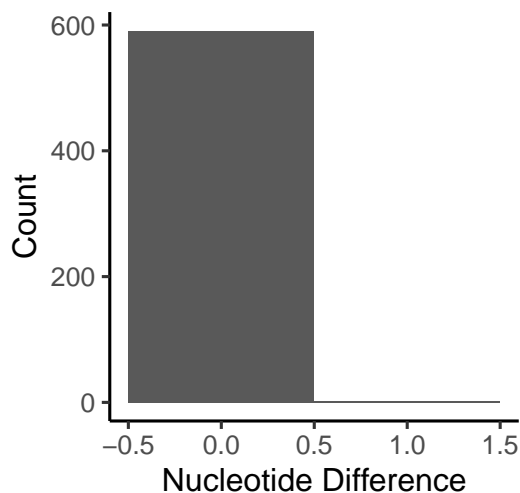
### TRBV7–4\*ap01

38 sequences assigned  
37 (97.4%) exact matches, in which:  
37 unique CDR3  
11 unique J



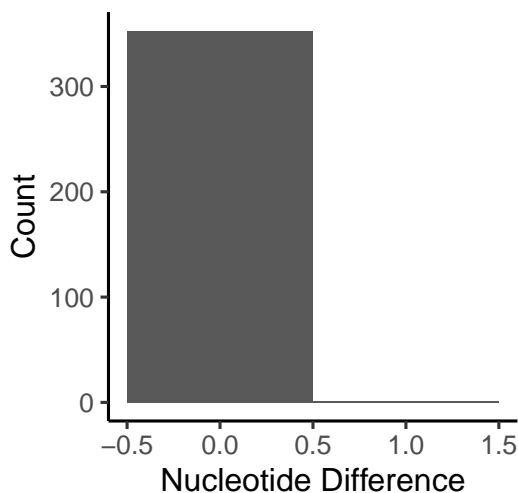
### TRBV7-6\*ap01

593 sequences assigned  
591 (99.7%) exact matches, in which:  
591 unique CDR3  
13 unique J



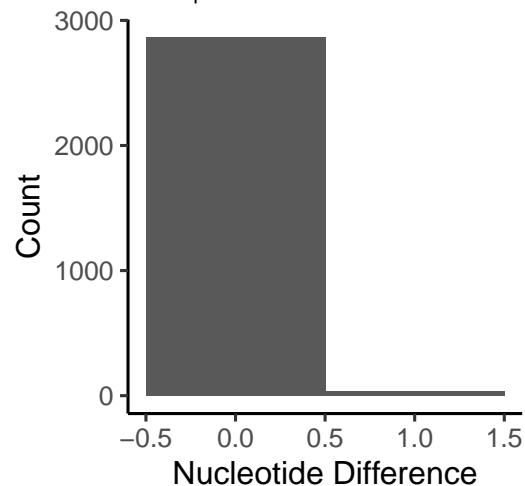
### TRBV7-8\*ap01

354 sequences assigned  
353 (99.7%) exact matches, in which:  
353 unique CDR3  
13 unique J



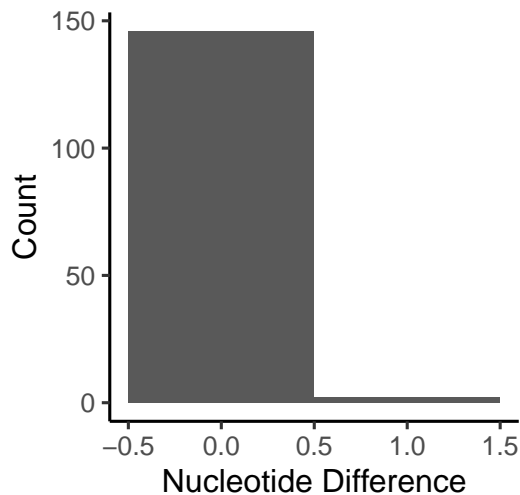
### TRBV29-1\*ap01

2900 sequences assigned  
2864 (98.8%) exact matches, in which:  
2849 unique CDR3  
13 unique J



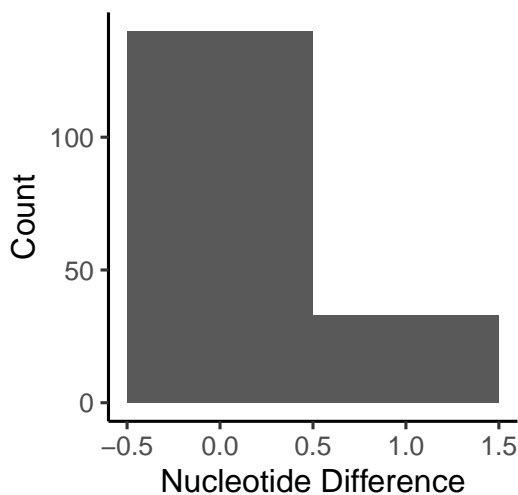
### TRBV7-7\*ap01

148 sequences assigned  
146 (98.6%) exact matches, in which:  
146 unique CDR3  
12 unique J



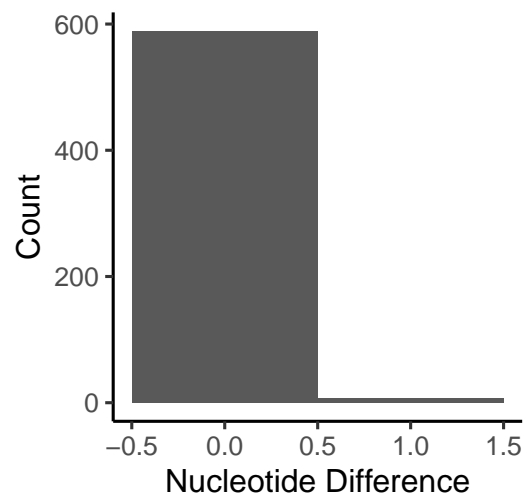
### TRBV7-8\*ap03

173 sequences assigned  
140 (80.9%) exact matches, in which:  
140 unique CDR3  
12 unique J



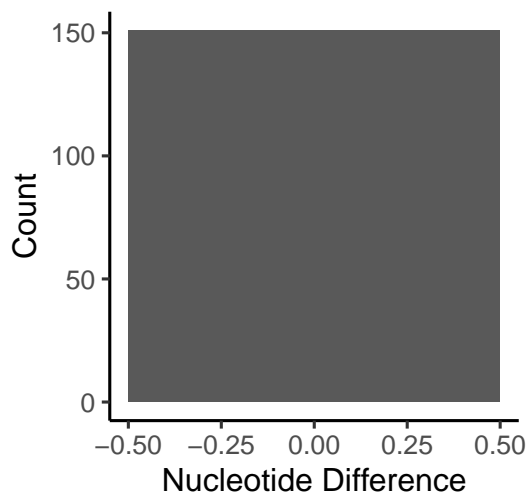
### TRBV29-1\*ap02

596 sequences assigned  
589 (98.8%) exact matches, in which:  
588 unique CDR3  
13 unique J



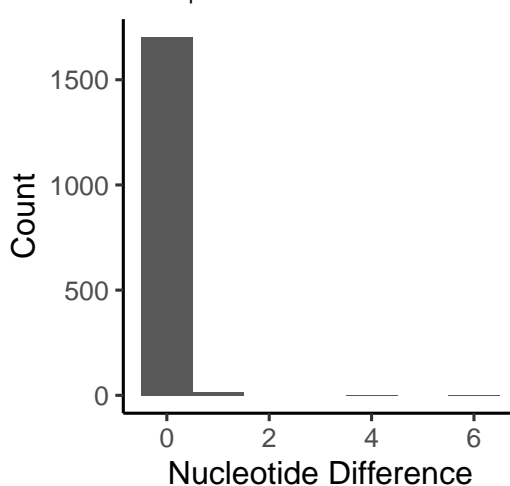
### TRBV7-7\*ap01\_C315T

151 sequences assigned  
151 (100%) exact matches, in which:  
151 unique CDR3  
11 unique J



### TRBV7-9\*ap01

1720 sequences assigned  
1703 (99%) exact matches, in which:  
1701 unique CDR3  
13 unique J



TRBV7-7\*ap01\_C315T

