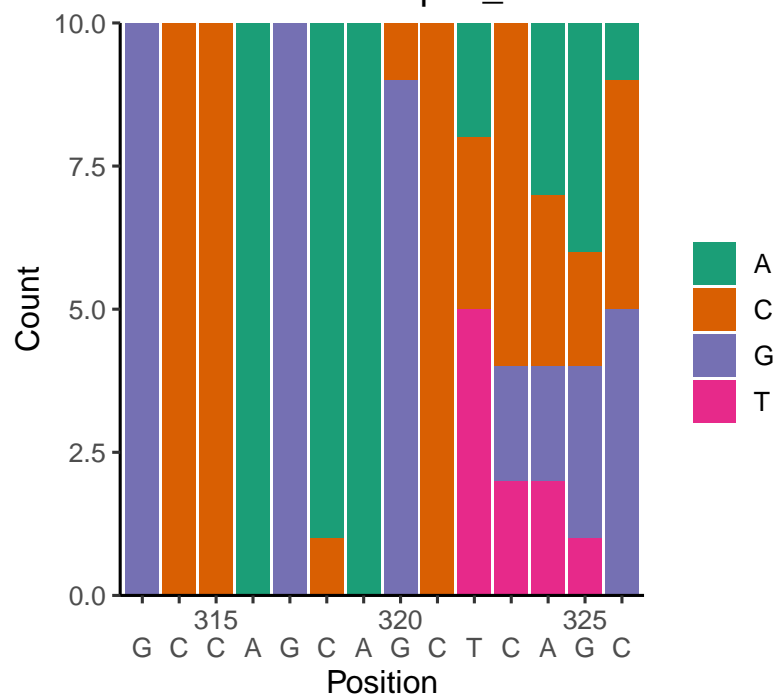
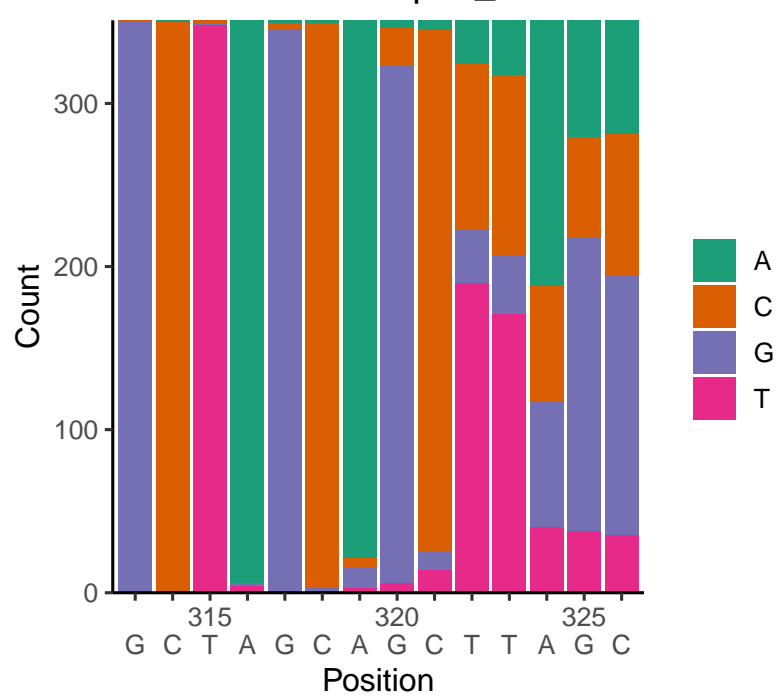


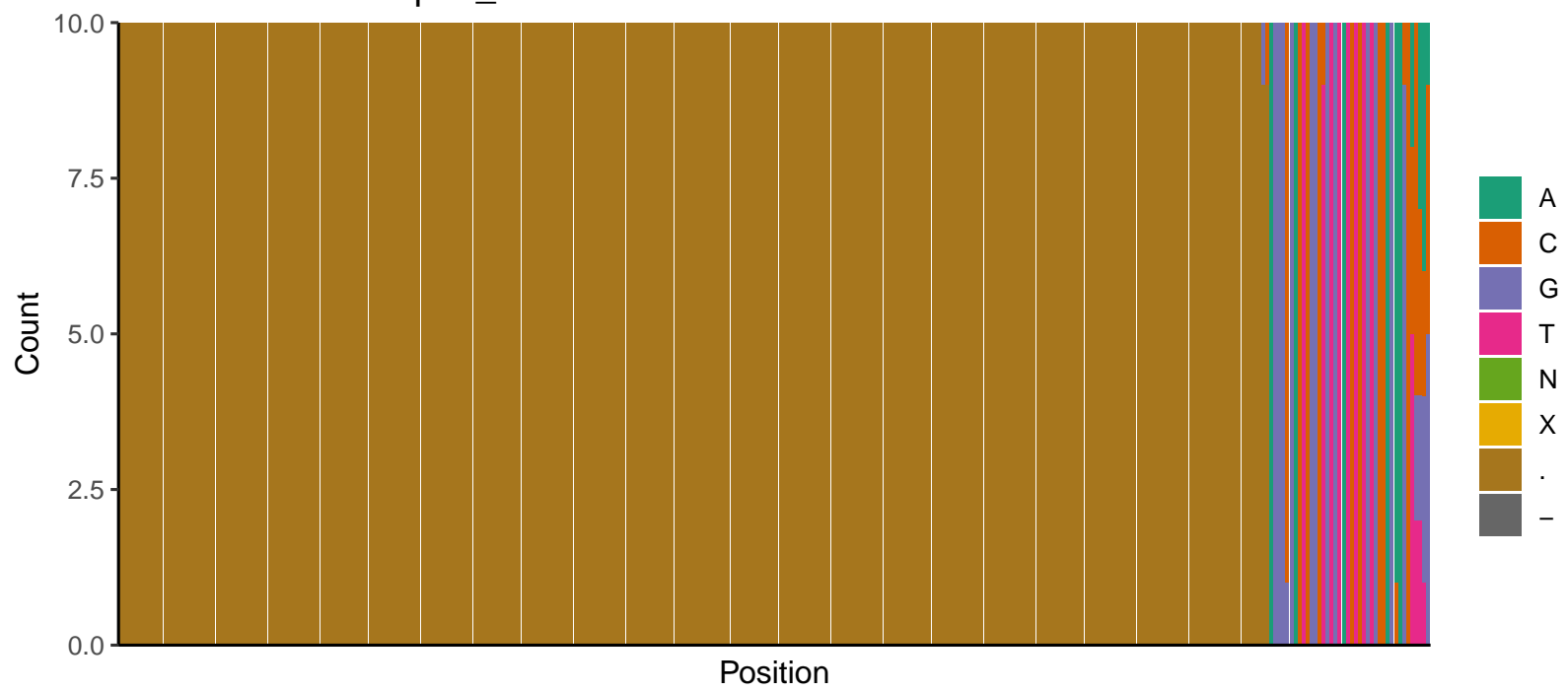
Gene TRBV7-1\*ap01\_T296C



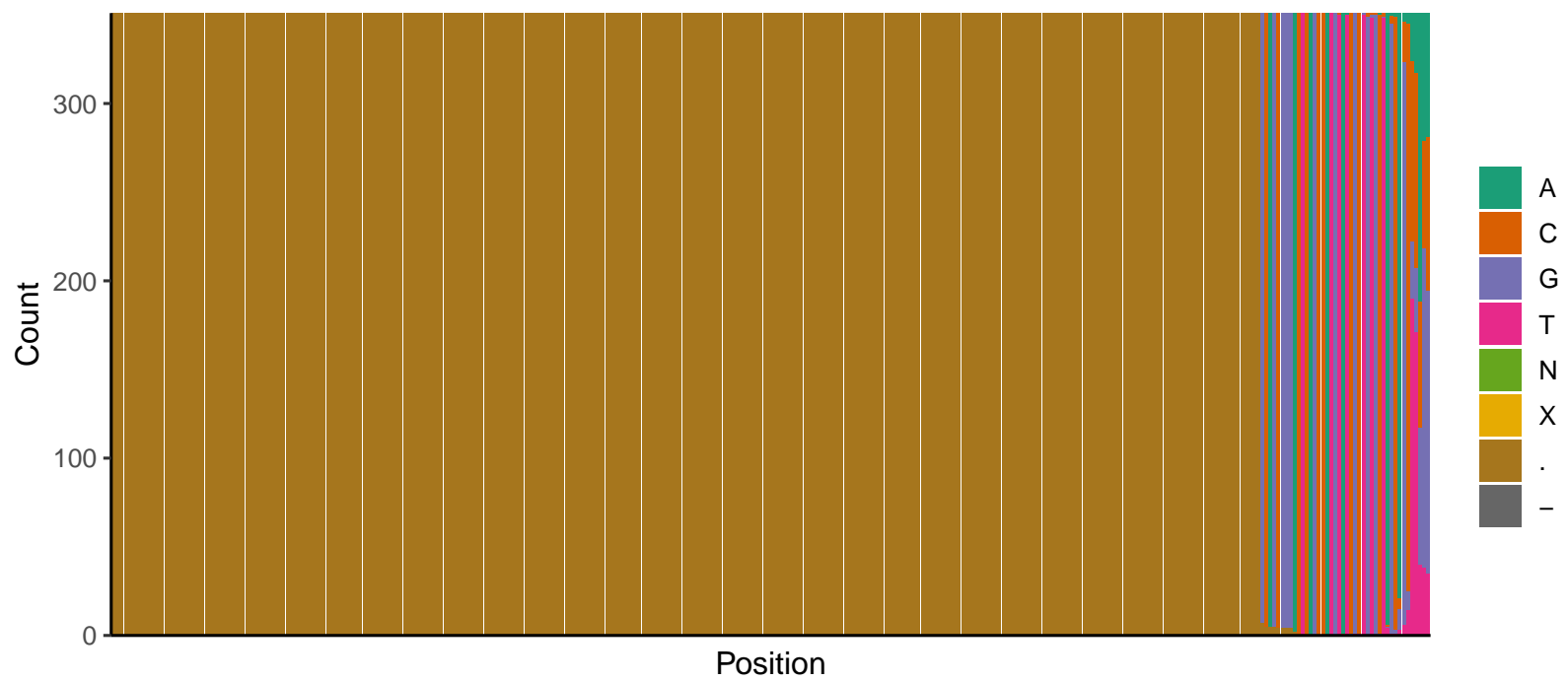
Gene TRBV7-7\*ap01\_C315T



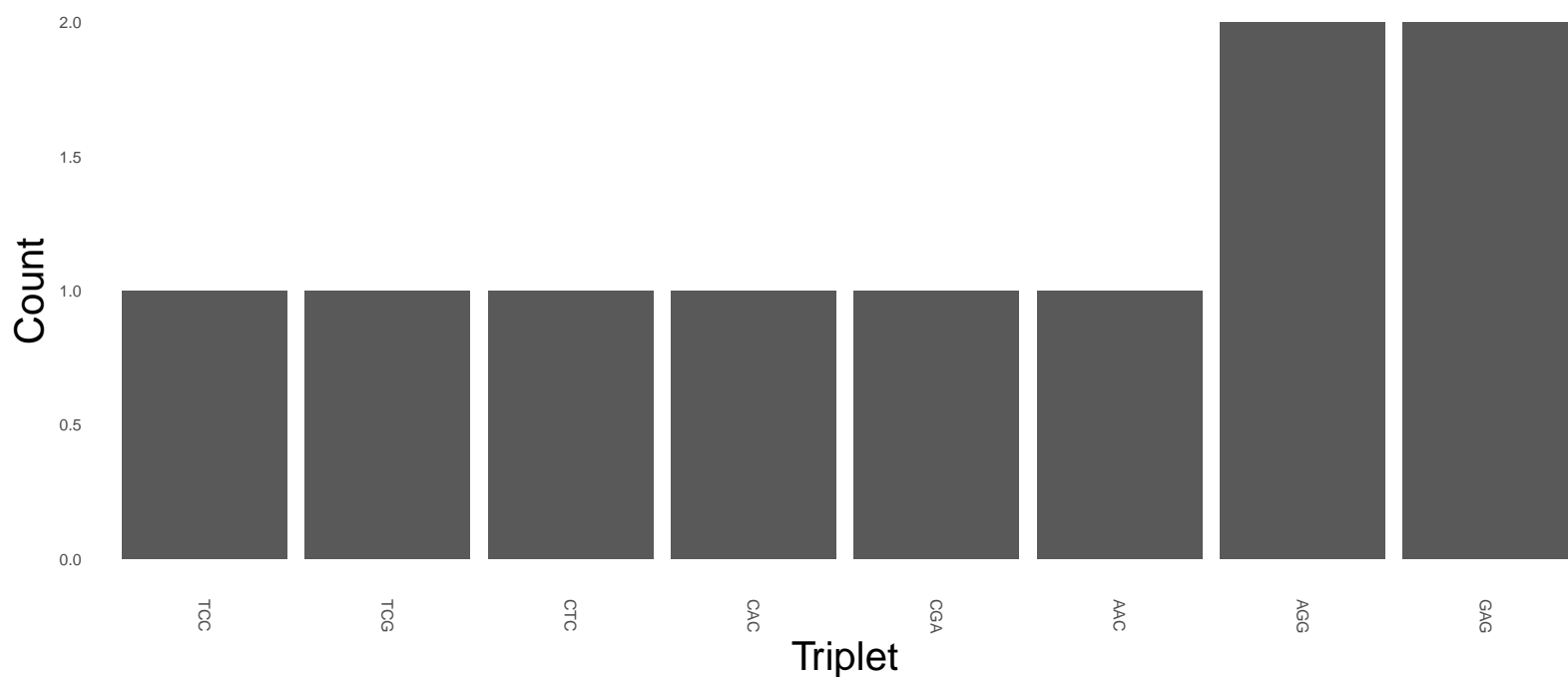
Gene TRBV7-1\*ap01\_T296C



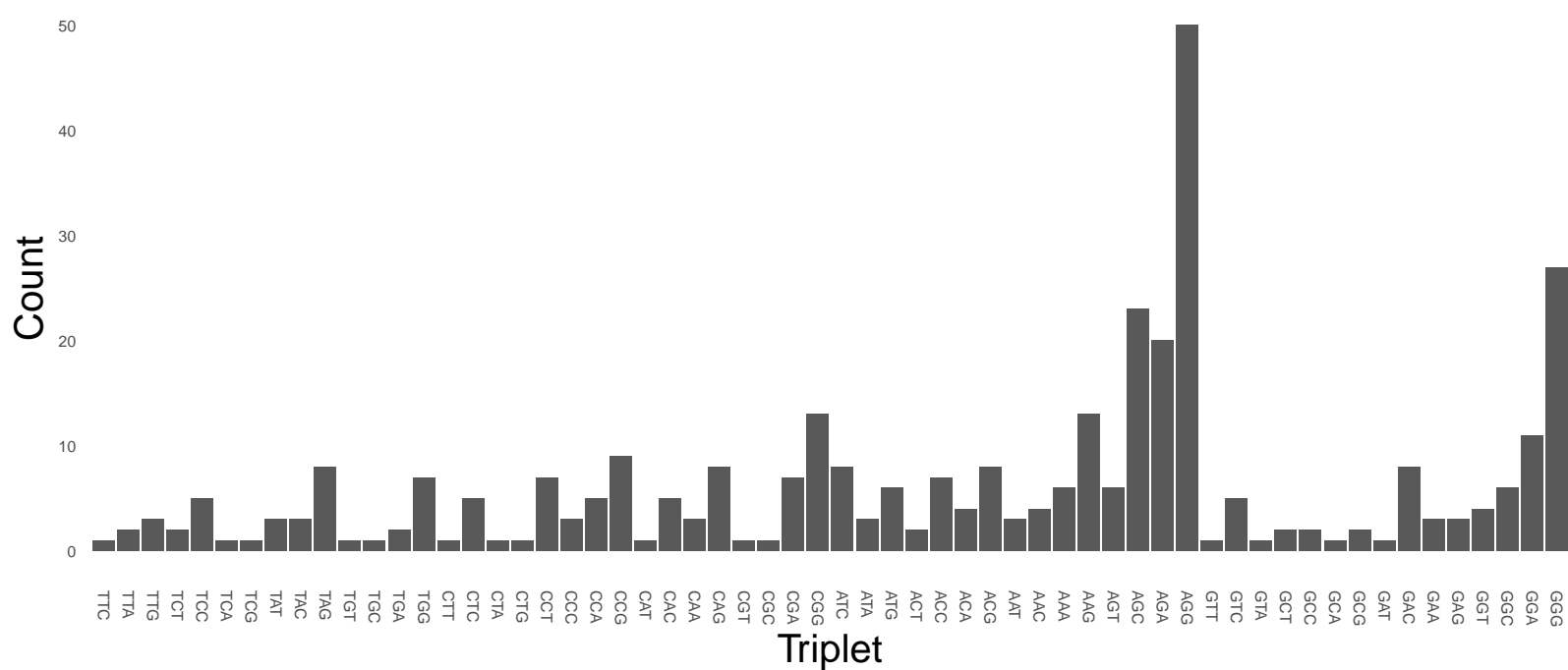
Gene TRBV7-7\*ap01\_C315T



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

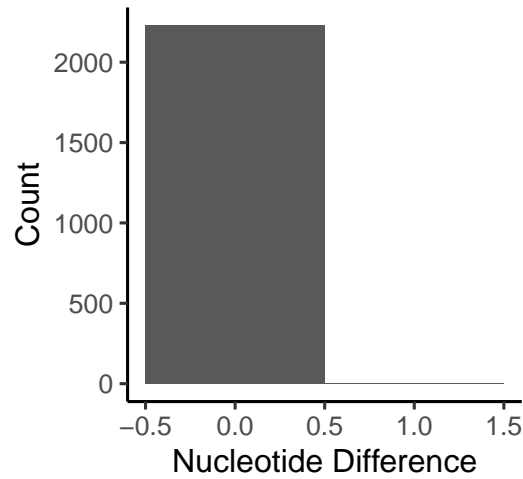


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



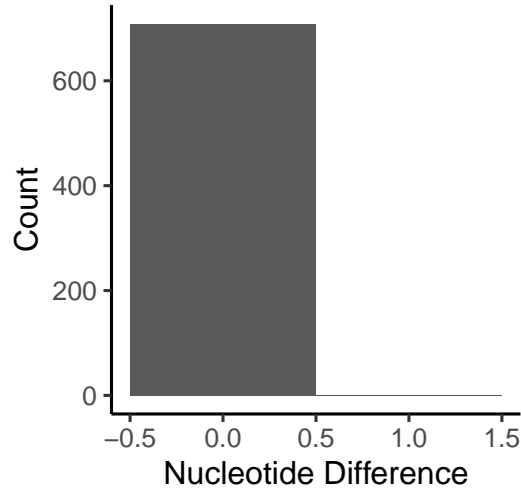
### TRBV20-1\*ap01

2234 sequences assigned  
2229 (99.8%) exact matches, in which:  
2220 unique CDR3  
13 unique J



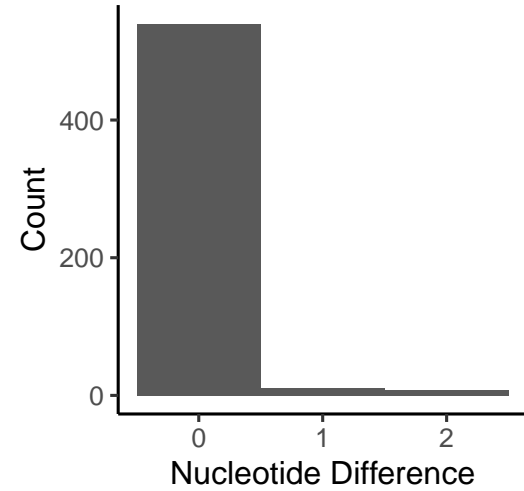
### TRBV10-2\*ap01

710 sequences assigned  
709 (99.9%) exact matches, in which:  
703 unique CDR3  
13 unique J



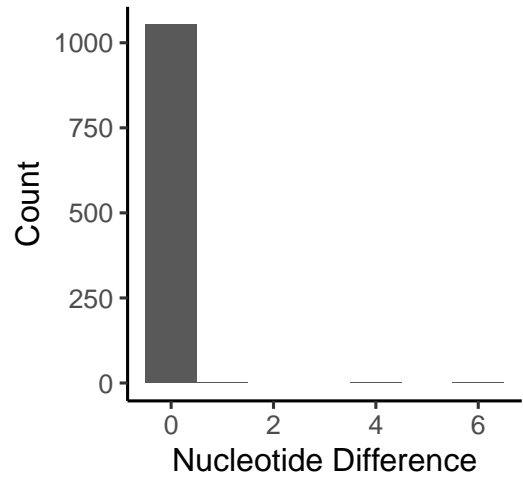
### TRBV13\*ap01

559 sequences assigned  
540 (96.6%) exact matches, in which:  
539 unique CDR3  
13 unique J



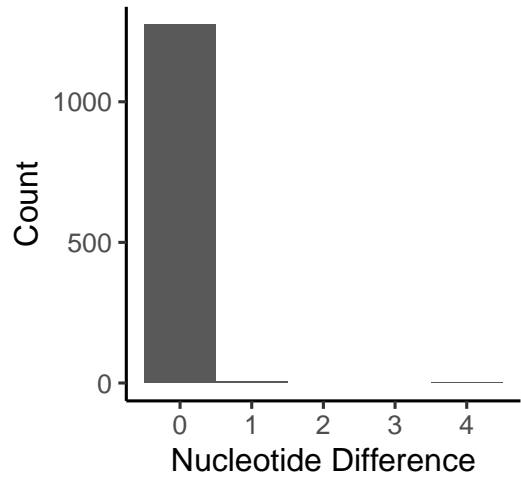
### TRBV10-1\*ap01

1057 sequences assigned  
1053 (99.6%) exact matches, in which:  
1050 unique CDR3  
13 unique J



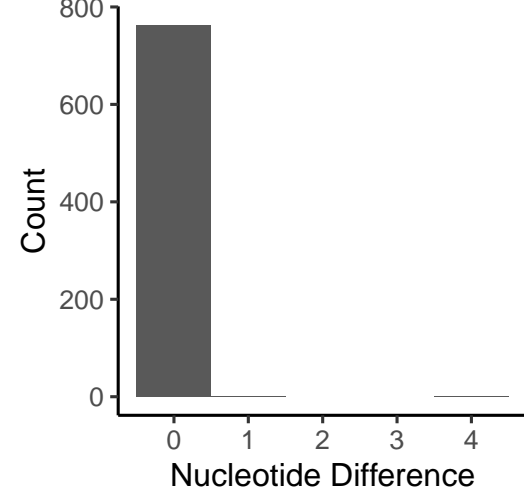
### TRBV10-3\*ap01

1282 sequences assigned  
1274 (99.4%) exact matches, in which:  
1270 unique CDR3  
13 unique J



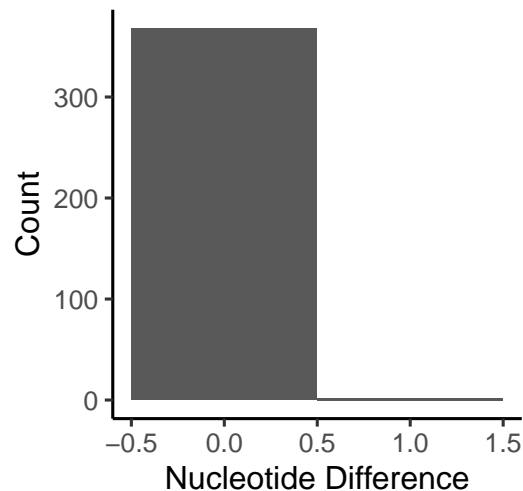
### TRBV14\*ap01

766 sequences assigned  
763 (99.6%) exact matches, in which:  
759 unique CDR3  
13 unique J



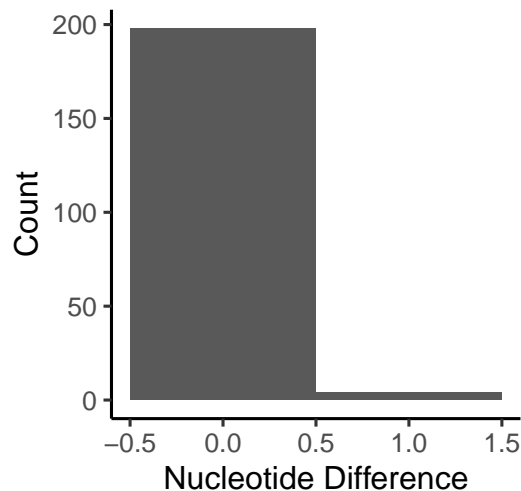
### TRBV20-1\*ap02

370 sequences assigned  
368 (99.5%) exact matches, in which:  
367 unique CDR3  
13 unique J



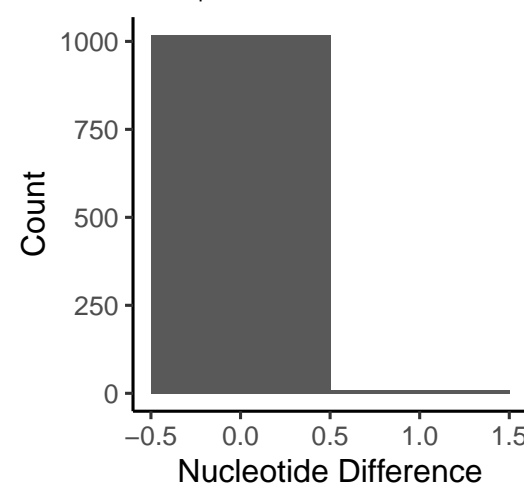
### TRBV1\*ap01

202 sequences assigned  
198 (98%) exact matches, in which:  
197 unique CDR3  
13 unique J



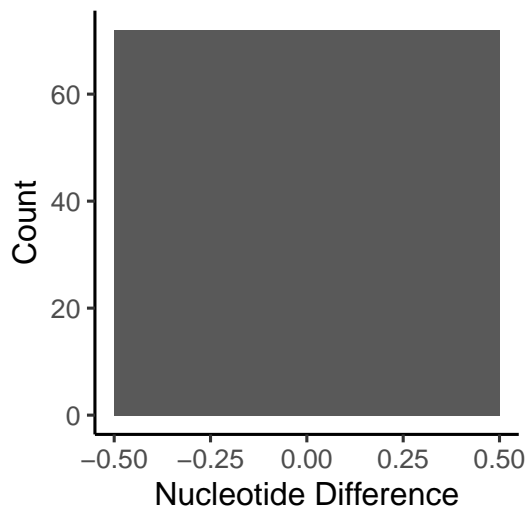
### TRBV15\*ap02

1028 sequences assigned  
1018 (99%) exact matches, in which:  
1017 unique CDR3  
13 unique J



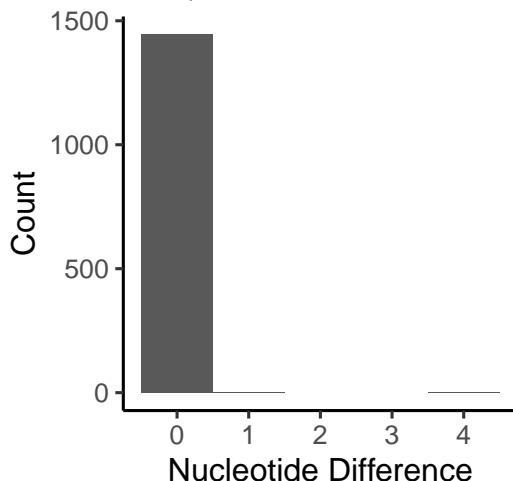
### TRBV16\*ap01

72 sequences assigned  
72 (100%) exact matches, in which:  
72 unique CDR3  
12 unique J



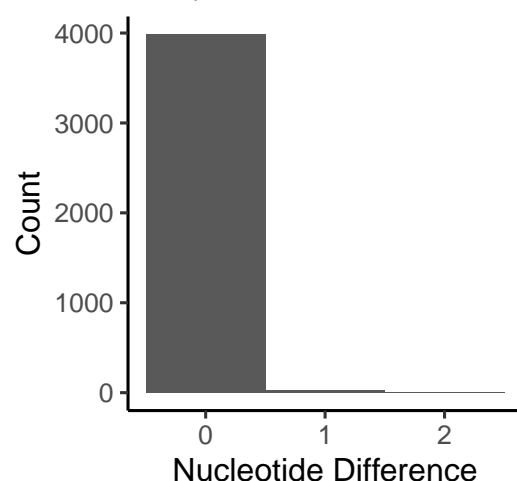
### TRBV19\*ap01

1450 sequences assigned  
1445 (99.7%) exact matches, in which:  
1442 unique CDR3  
13 unique J



### TRBV28\*ap01

4009 sequences assigned  
3985 (99.4%) exact matches, in which:  
3980 unique CDR3  
13 unique J



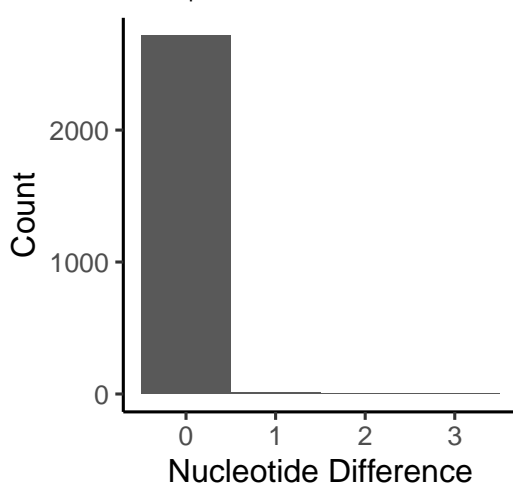
### TRBV17\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



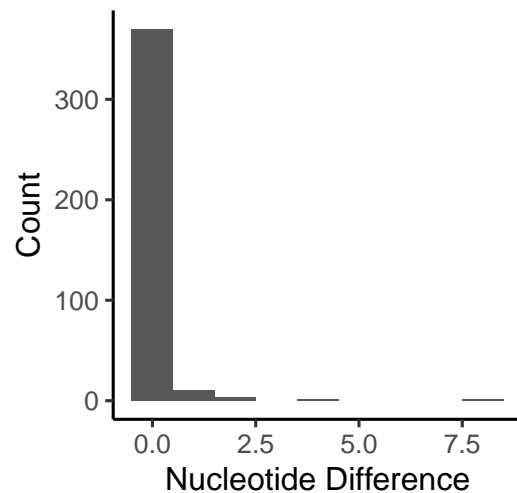
### TRBV2\*ap01

2731 sequences assigned  
2715 (99.4%) exact matches, in which:  
2713 unique CDR3  
13 unique J



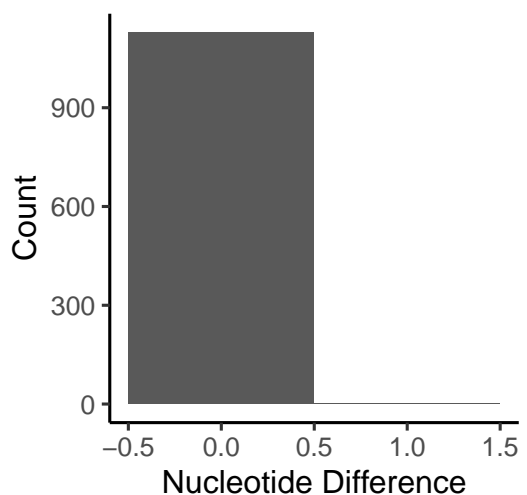
### TRBV30\*ap02

386 sequences assigned  
370 (95.9%) exact matches, in which:  
366 unique CDR3  
13 unique J



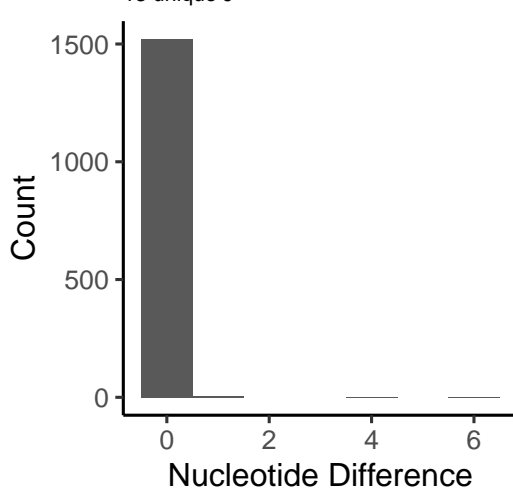
### TRBV18\*ap01

1131 sequences assigned  
1129 (99.8%) exact matches, in which:  
1128 unique CDR3  
13 unique J



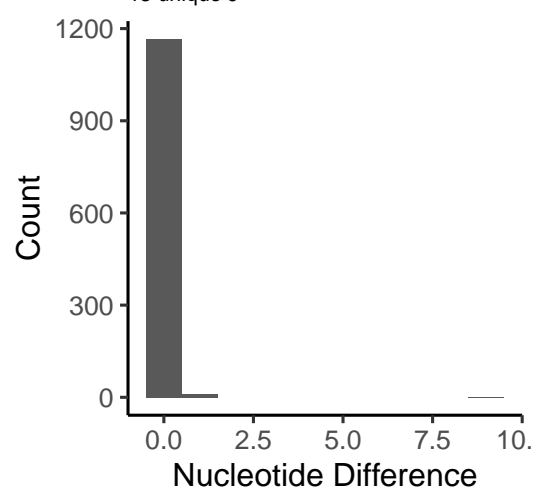
### TRBV27\*ap01

1529 sequences assigned  
1521 (99.5%) exact matches, in which:  
1515 unique CDR3  
13 unique J



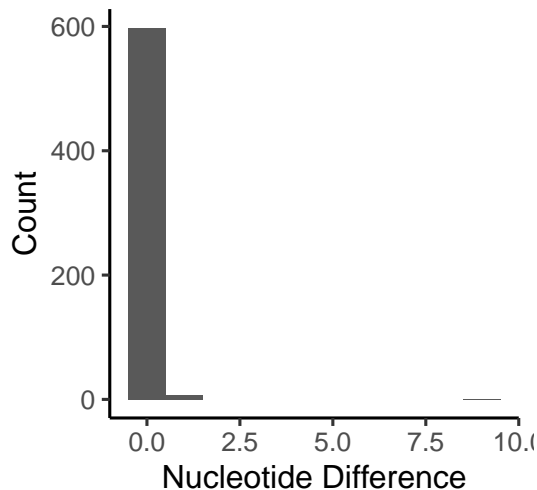
### TRBV9\*ap01

1178 sequences assigned  
1166 (99%) exact matches, in which:  
1161 unique CDR3  
13 unique J



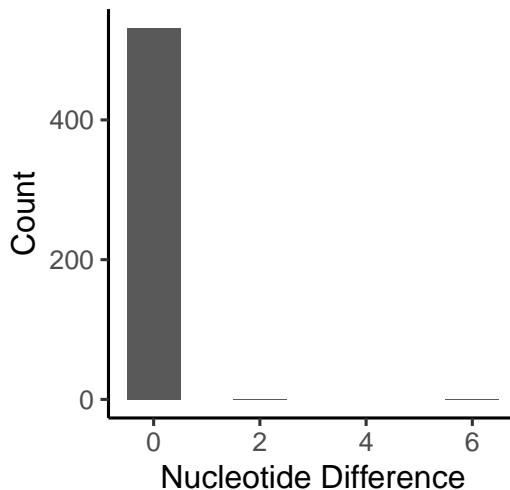
### TRBV21-1\*ap01

606 sequences assigned  
598 (98.7%) exact matches, in which:  
597 unique CDR3  
13 unique J



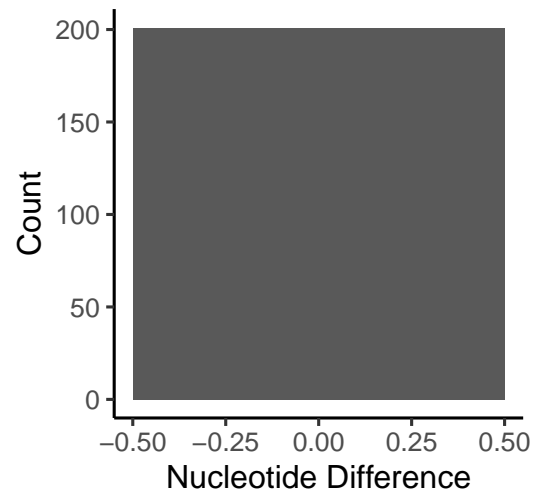
### TRBV11-3\*ap01

534 sequences assigned  
532 (99.6%) exact matches, in which:  
531 unique CDR3  
13 unique J



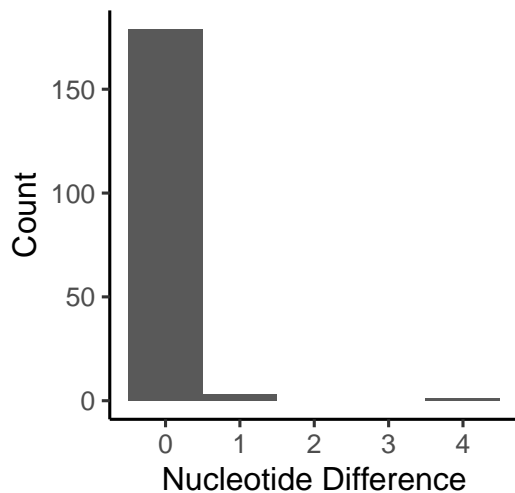
### TRBV12-5\*ap01

201 sequences assigned  
201 (100%) exact matches, in which:  
200 unique CDR3  
13 unique J



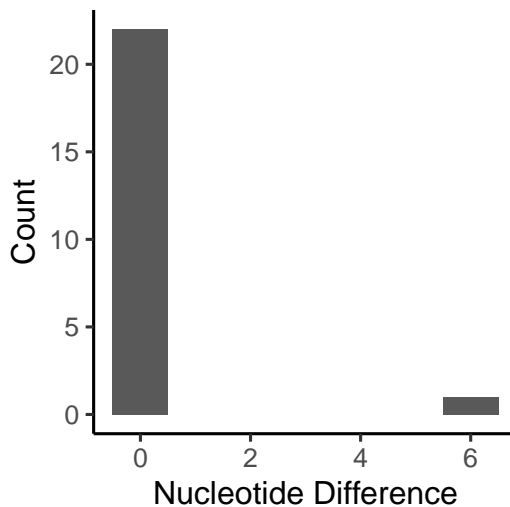
### TRBV11-1\*ap01

183 sequences assigned  
179 (97.8%) exact matches, in which:  
179 unique CDR3  
12 unique J



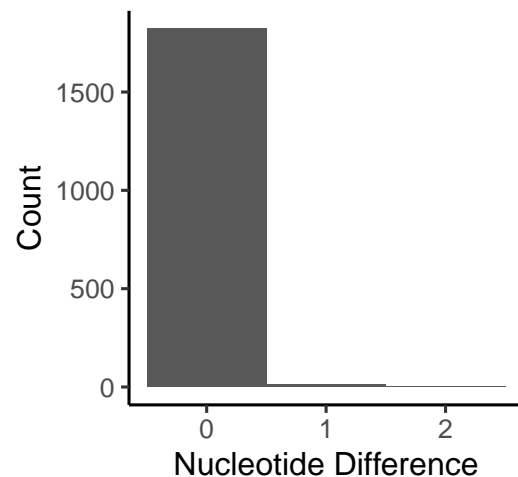
### TRBV12-1\*ap01

23 sequences assigned  
22 (95.7%) exact matches, in which:  
22 unique CDR3  
10 unique J



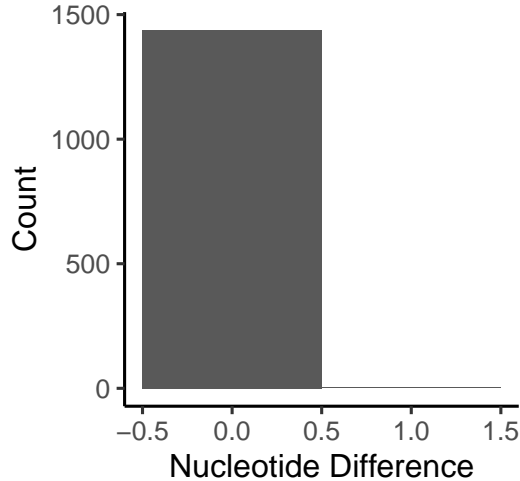
### TRBV12-34\*ap01

1834 sequences assigned  
1822 (99.3%) exact matches, in which:  
1818 unique CDR3  
13 unique J



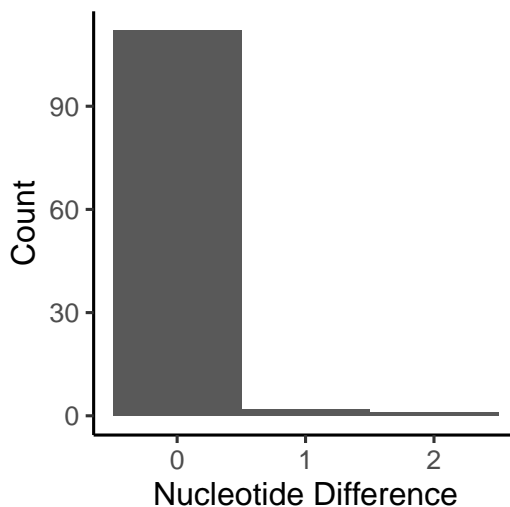
### TRBV11-2\*ap01

1442 sequences assigned  
1438 (99.7%) exact matches, in which:  
1434 unique CDR3  
13 unique J



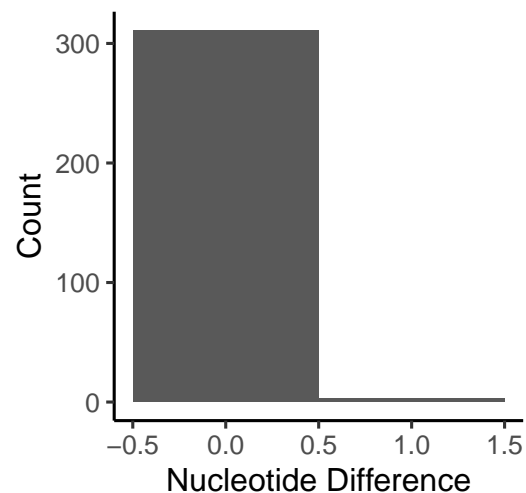
### TRBV12-2\*ap01

115 sequences assigned  
112 (97.4%) exact matches, in which:  
112 unique CDR3  
13 unique J



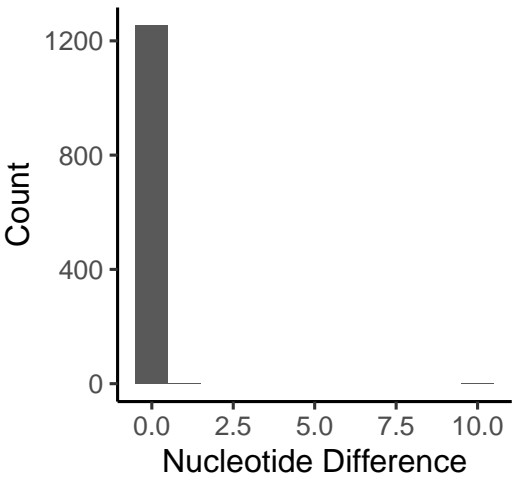
### TRBV23-1\*ap01

314 sequences assigned  
311 (99%) exact matches, in which:  
311 unique CDR3  
13 unique J



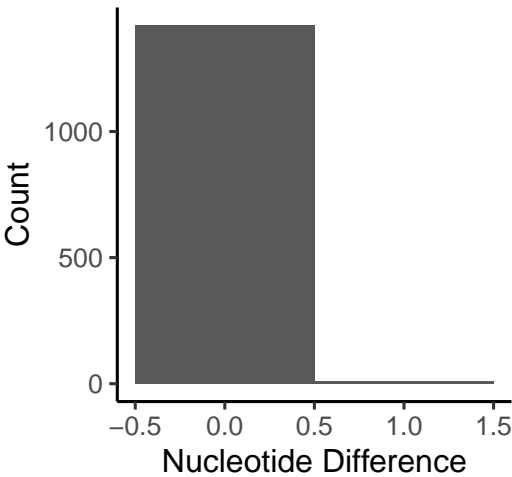
TRBV3-12\*ap01

1257 sequences assigned  
1254 (99.8%) exact matches, in which:  
1250 unique CDR3  
13 unique J



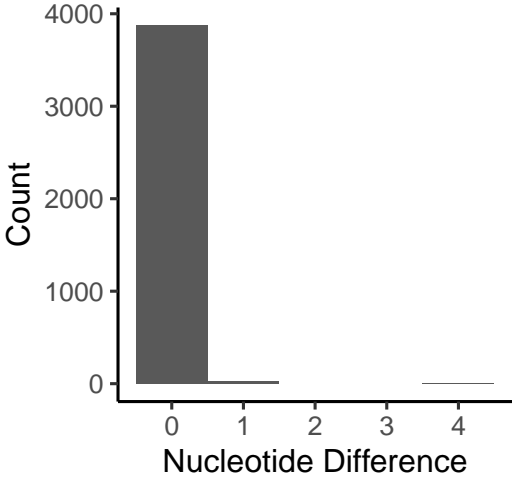
TRBV4-2\*ap01

1430 sequences assigned  
1421 (99.4%) exact matches, in which:  
1418 unique CDR3  
13 unique J



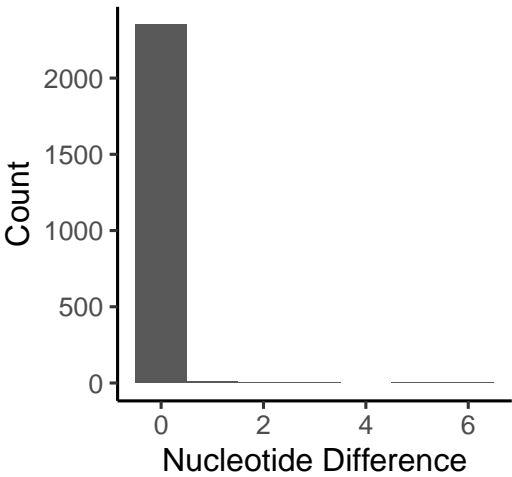
TRBV5-1\*ap01

3902 sequences assigned  
3874 (99.3%) exact matches, in which:  
3864 unique CDR3  
13 unique J



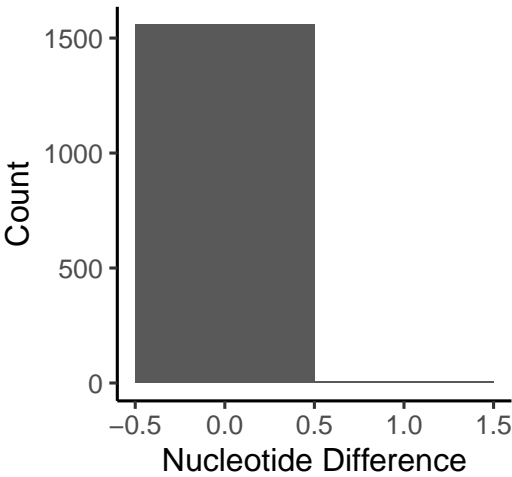
TRBV24-1\*ap01

2362 sequences assigned  
2350 (99.5%) exact matches, in which:  
2342 unique CDR3  
14 unique J



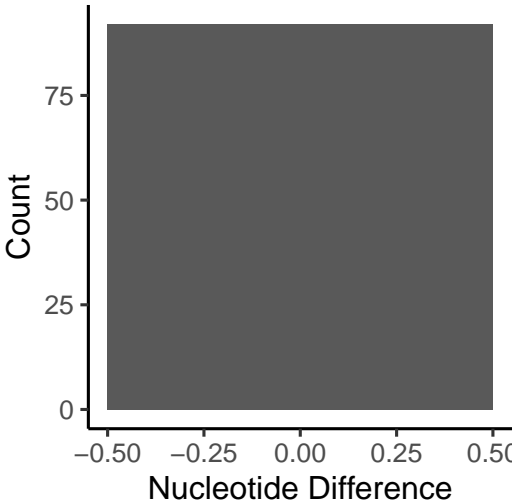
TRBV4-3\*ap01

1563 sequences assigned  
1558 (99.7%) exact matches, in which:  
1552 unique CDR3  
13 unique J



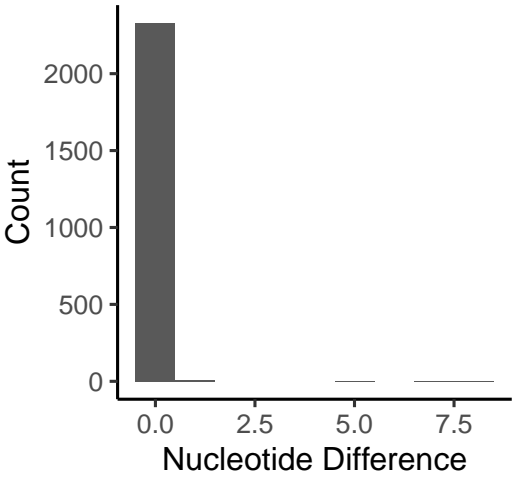
TRBV5-3\*ap01

92 sequences assigned  
92 (100%) exact matches, in which:  
92 unique CDR3  
13 unique J



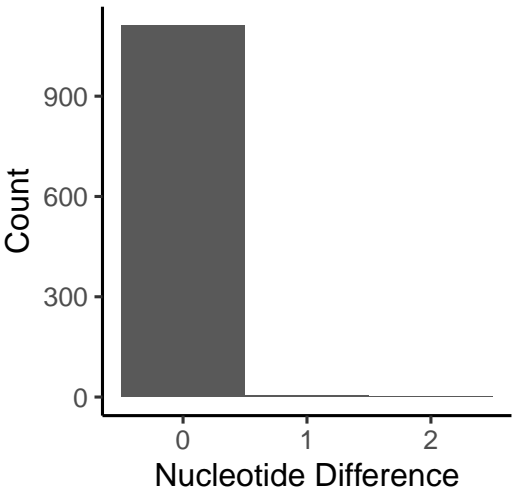
TRBV4-1\*ap01

2342 sequences assigned  
2329 (99.4%) exact matches, in which:  
2320 unique CDR3  
13 unique J



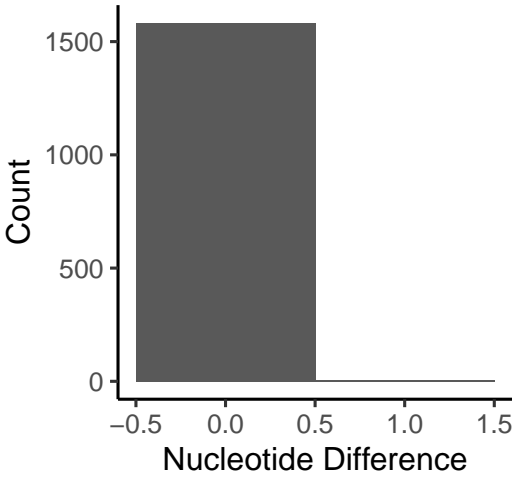
TRBV25-1\*ap01

1117 sequences assigned  
1112 (99.6%) exact matches, in which:  
1105 unique CDR3  
13 unique J



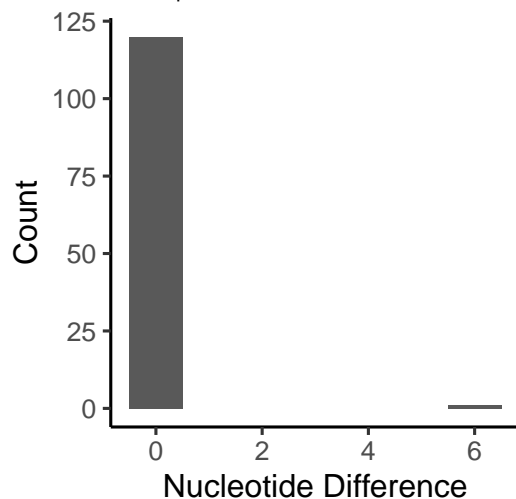
TRBV5-4\*ap01

1588 sequences assigned  
1582 (99.6%) exact matches, in which:  
1579 unique CDR3  
13 unique J



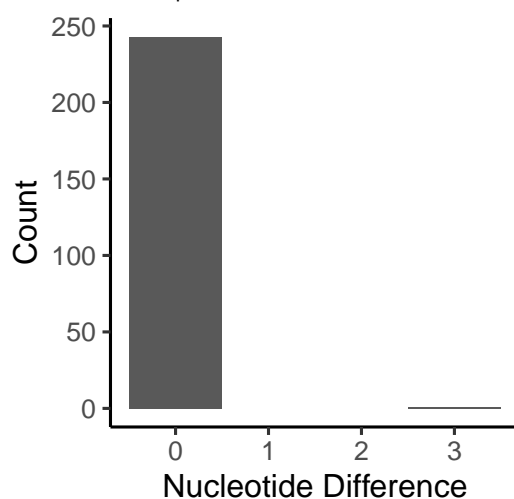
### TRBV5–5\*ap01

121 sequences assigned  
120 (99.2%) exact matches, in which:  
120 unique CDR3  
11 unique J



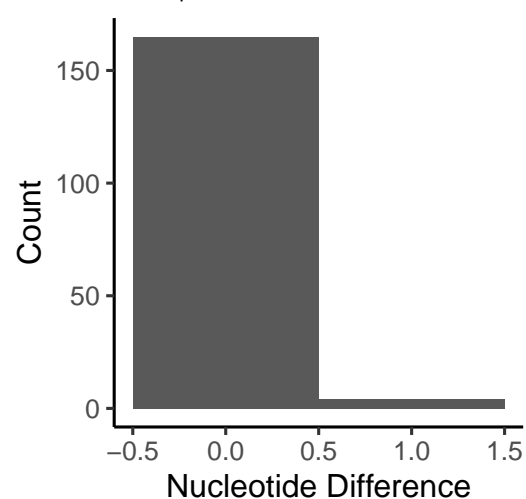
### TRBV5–8\*ap01

244 sequences assigned  
243 (99.6%) exact matches, in which:  
243 unique CDR3  
13 unique J



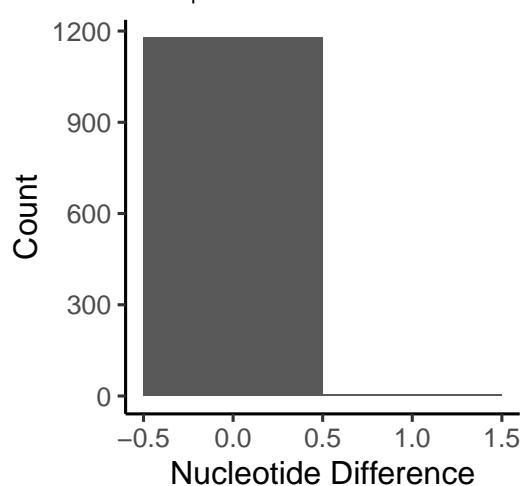
### TRBV6–7\*ap01

169 sequences assigned  
165 (97.6%) exact matches, in which:  
164 unique CDR3  
13 unique J



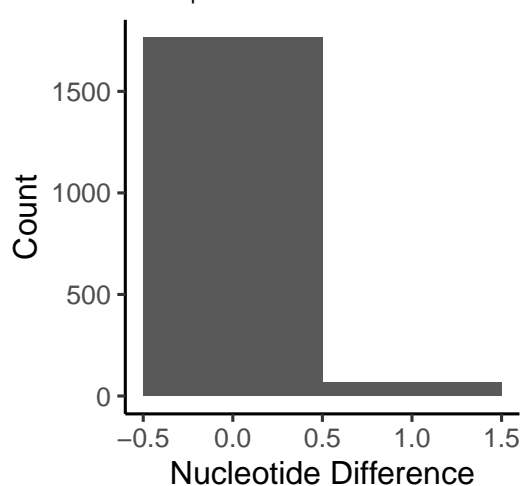
### TRBV5–6\*ap01

1184 sequences assigned  
1178 (99.5%) exact matches, in which:  
1173 unique CDR3  
13 unique J



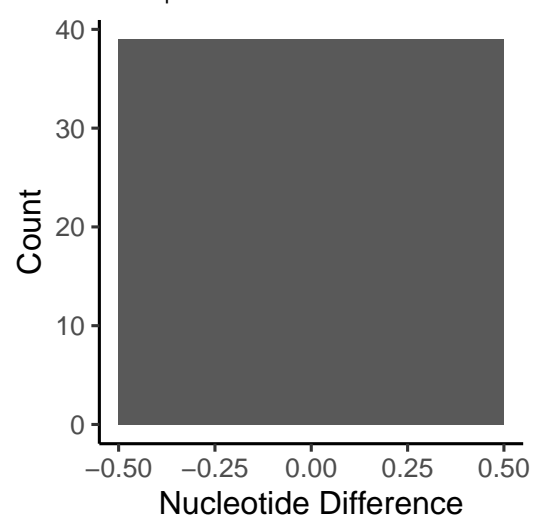
### TRBV6–1\*ap01

1829 sequences assigned  
1764 (96.4%) exact matches, in which:  
1759 unique CDR3  
13 unique J



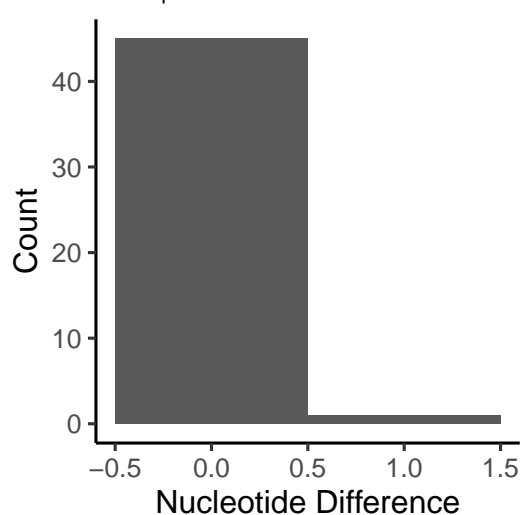
### TRBV6–8\*ap01

39 sequences assigned  
39 (100%) exact matches, in which:  
39 unique CDR3  
12 unique J



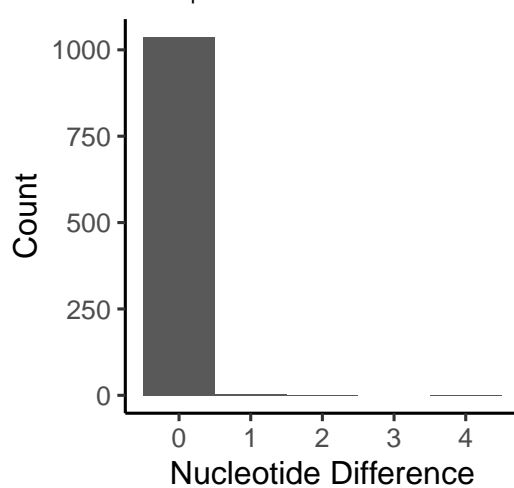
### TRBV5–7\*ap01

46 sequences assigned  
45 (97.8%) exact matches, in which:  
45 unique CDR3  
11 unique J



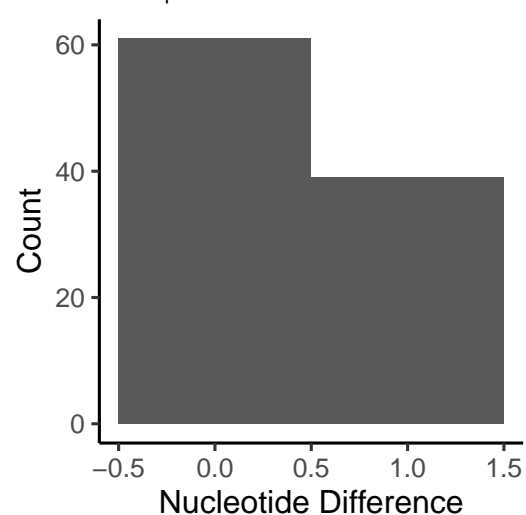
### TRBV6–4\*ap01

1042 sequences assigned  
1037 (99.5%) exact matches, in which:  
1035 unique CDR3  
13 unique J



### TRBV6–9\*ap01

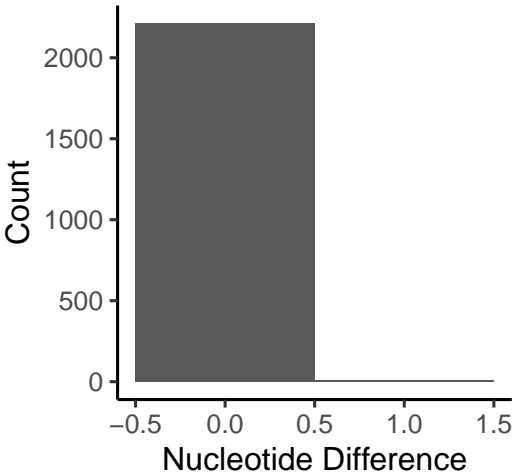
100 sequences assigned  
61 (61%) exact matches, in which:  
61 unique CDR3  
12 unique J





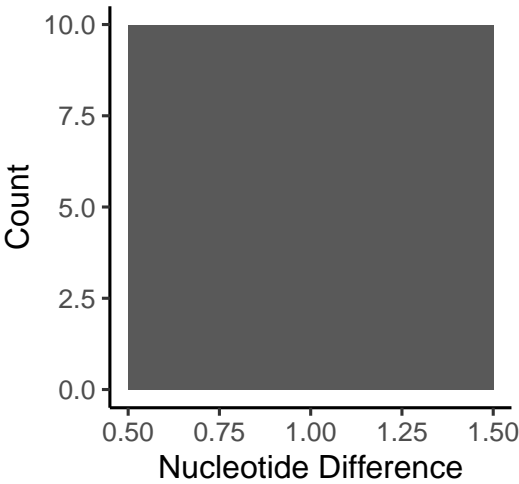
TRBV6-23\*ap01

2220 sequences assigned  
2212 (99.6%) exact matches, in which:  
2202 unique CDR3  
13 unique J



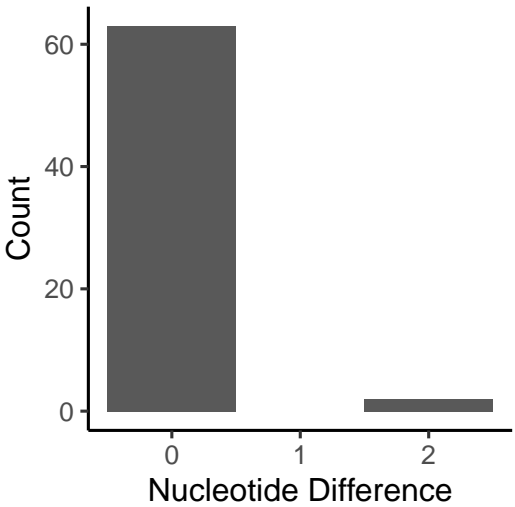
TRBV7-1\*ap01\_T296C

10 sequences assigned  
No exact matches.



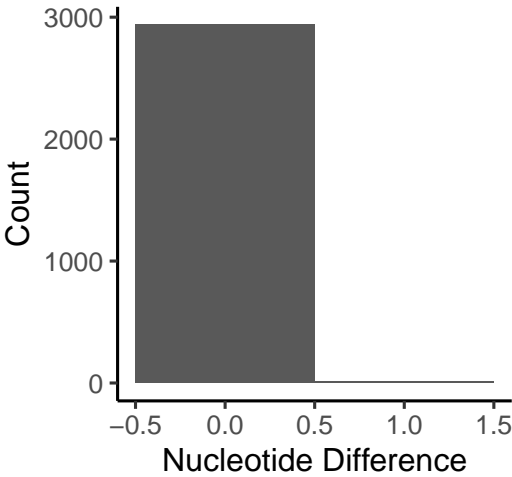
TRBV7-4\*ap01

65 sequences assigned  
63 (96.9%) exact matches, in which:  
63 unique CDR3  
10 unique J



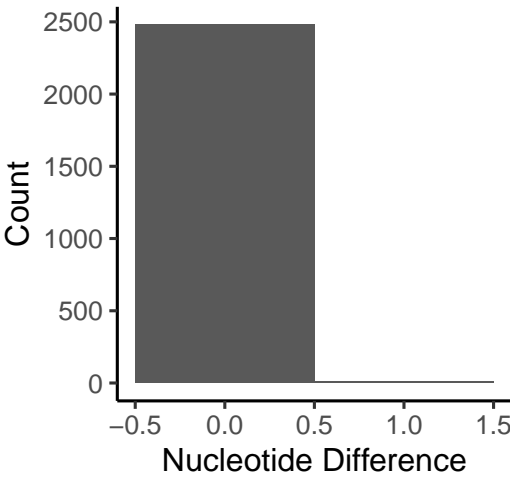
TRBV6-56\*ap01

2950 sequences assigned  
2938 (99.6%) exact matches, in which:  
2927 unique CDR3  
13 unique J



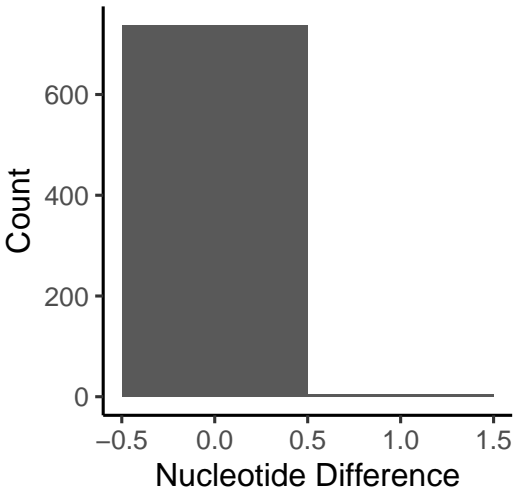
TRBV7-2\*ap01

2488 sequences assigned  
2480 (99.7%) exact matches, in which:  
2478 unique CDR3  
13 unique J



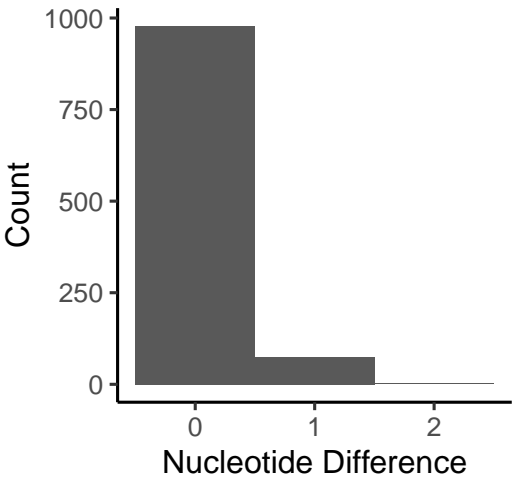
TRBV7-6\*ap01

742 sequences assigned  
738 (99.5%) exact matches, in which:  
737 unique CDR3  
13 unique J



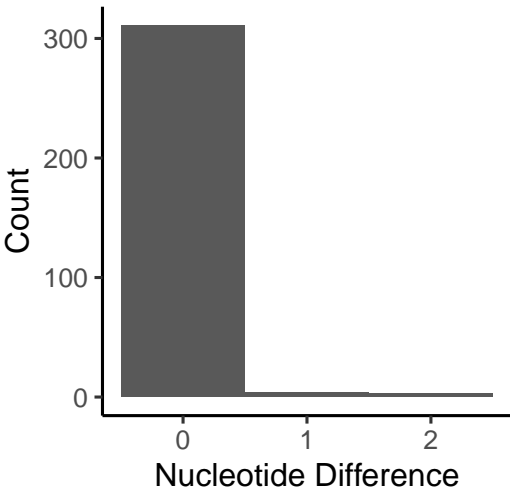
TRBV6-56\*ap02

1055 sequences assigned  
978 (92.7%) exact matches, in which:  
975 unique CDR3  
13 unique J



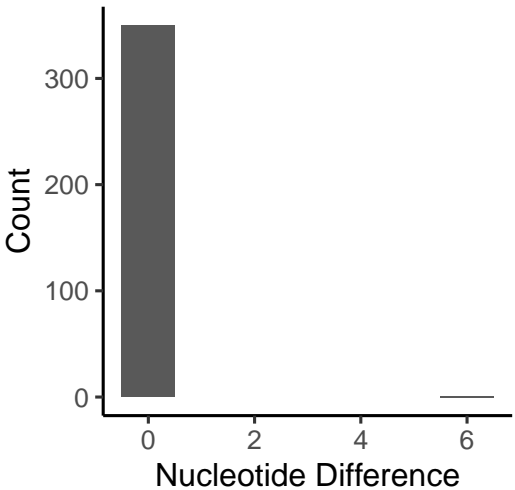
TRBV7-3\*ap03

318 sequences assigned  
311 (97.8%) exact matches, in which:  
309 unique CDR3  
13 unique J



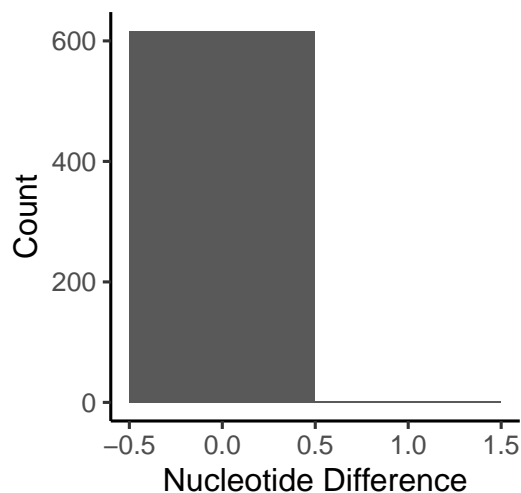
TRBV7-7\*ap01\_C315T

351 sequences assigned  
350 (99.7%) exact matches, in which:  
350 unique CDR3  
13 unique J



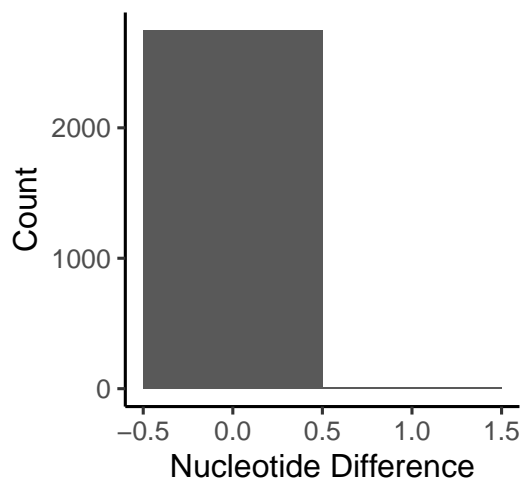
### TRBV7-8\*ap01

619 sequences assigned  
617 (99.7%) exact matches, in which:  
616 unique CDR3  
13 unique J



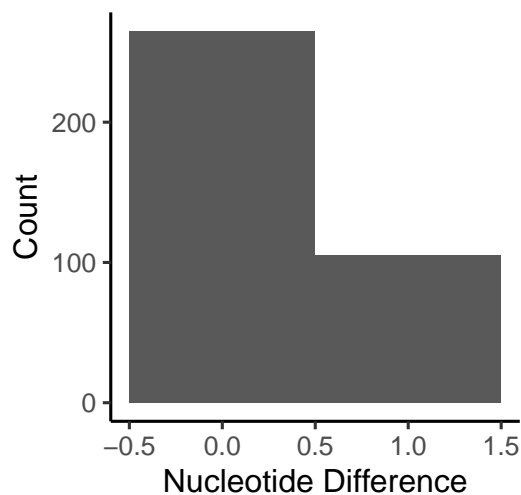
### TRBV29-1\*ap01

2762 sequences assigned  
2747 (99.5%) exact matches, in which:  
2728 unique CDR3  
13 unique J



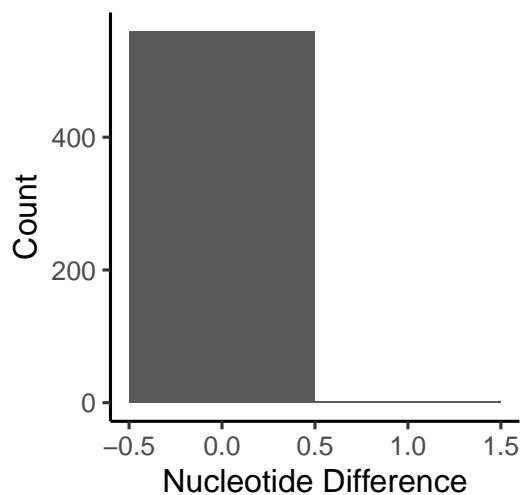
### TRBV7-8\*ap03

370 sequences assigned  
265 (71.6%) exact matches, in which:  
265 unique CDR3  
12 unique J



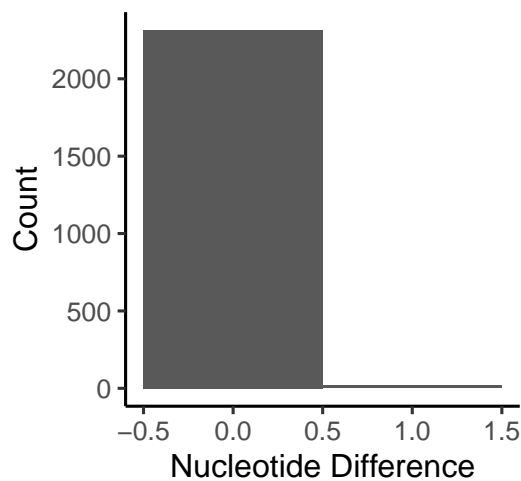
### TRBV29-1\*ap02

563 sequences assigned  
560 (99.5%) exact matches, in which:  
560 unique CDR3  
13 unique J



### TRBV7-9\*ap01

2332 sequences assigned  
2315 (99.3%) exact matches, in which:  
2309 unique CDR3  
13 unique J



TRBV7-7\*ap01\_C315T

