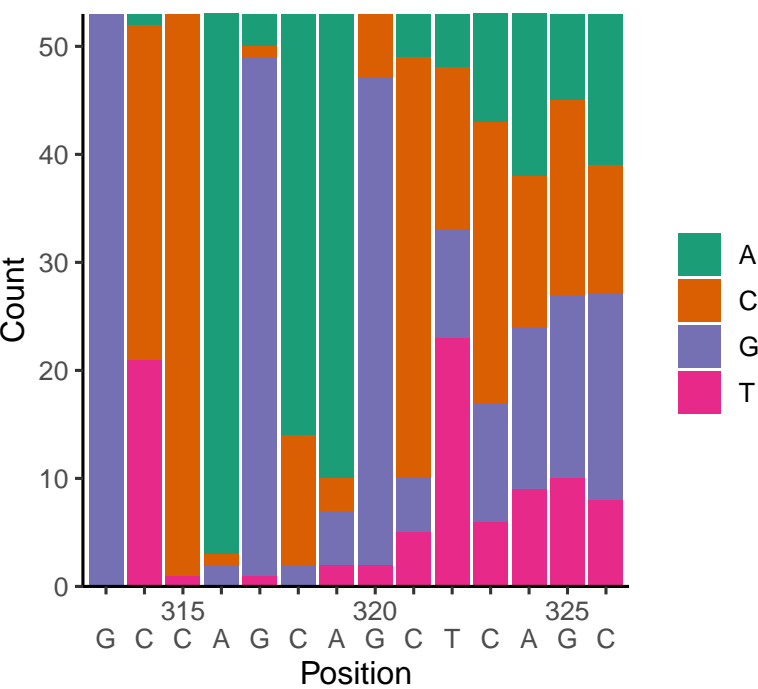
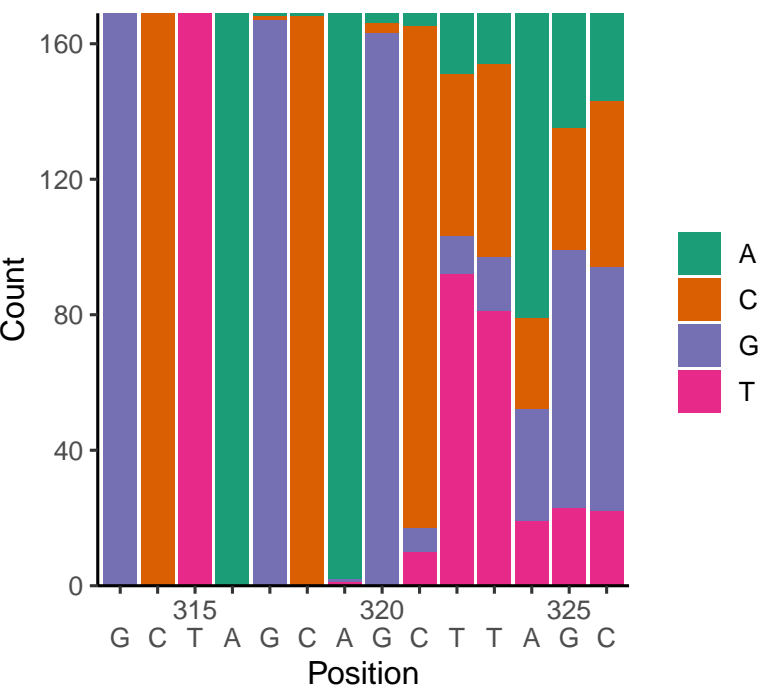


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



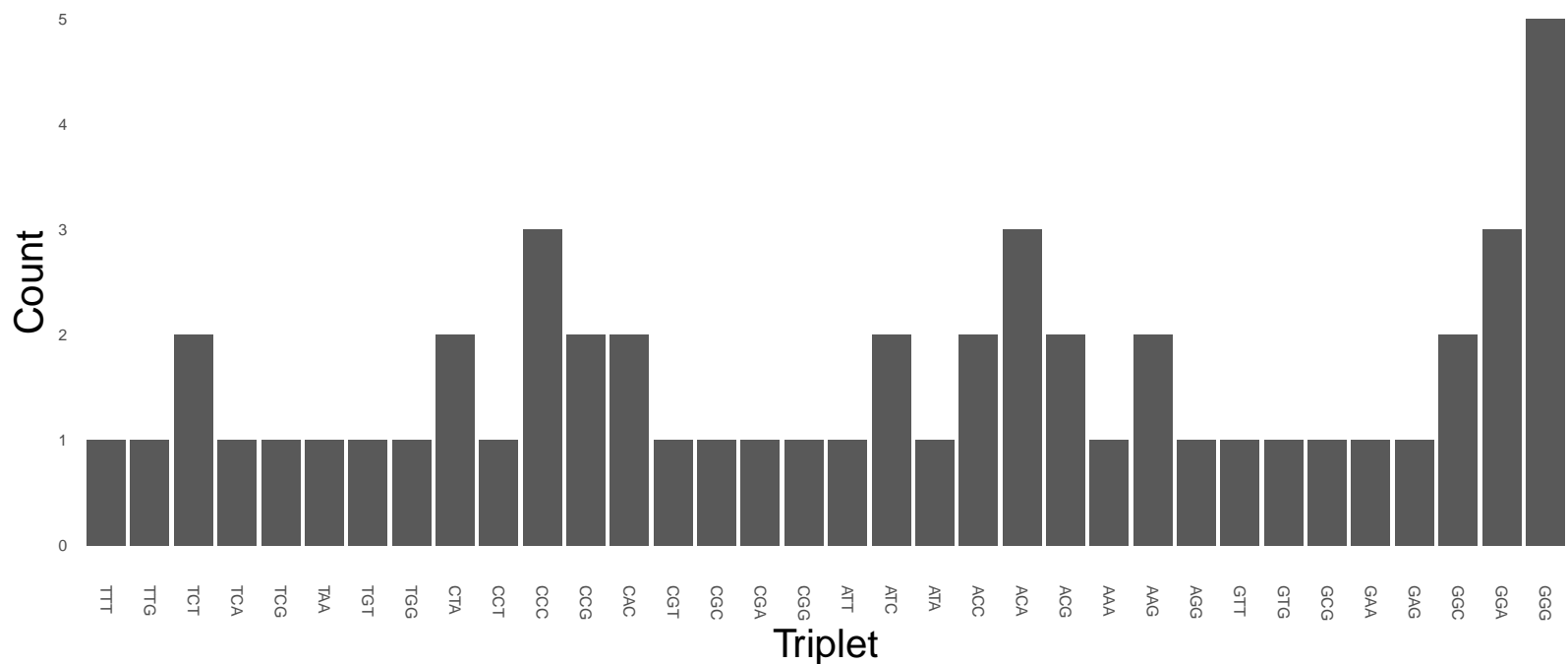
Gene TRBV7-1\*ap01\_T296C



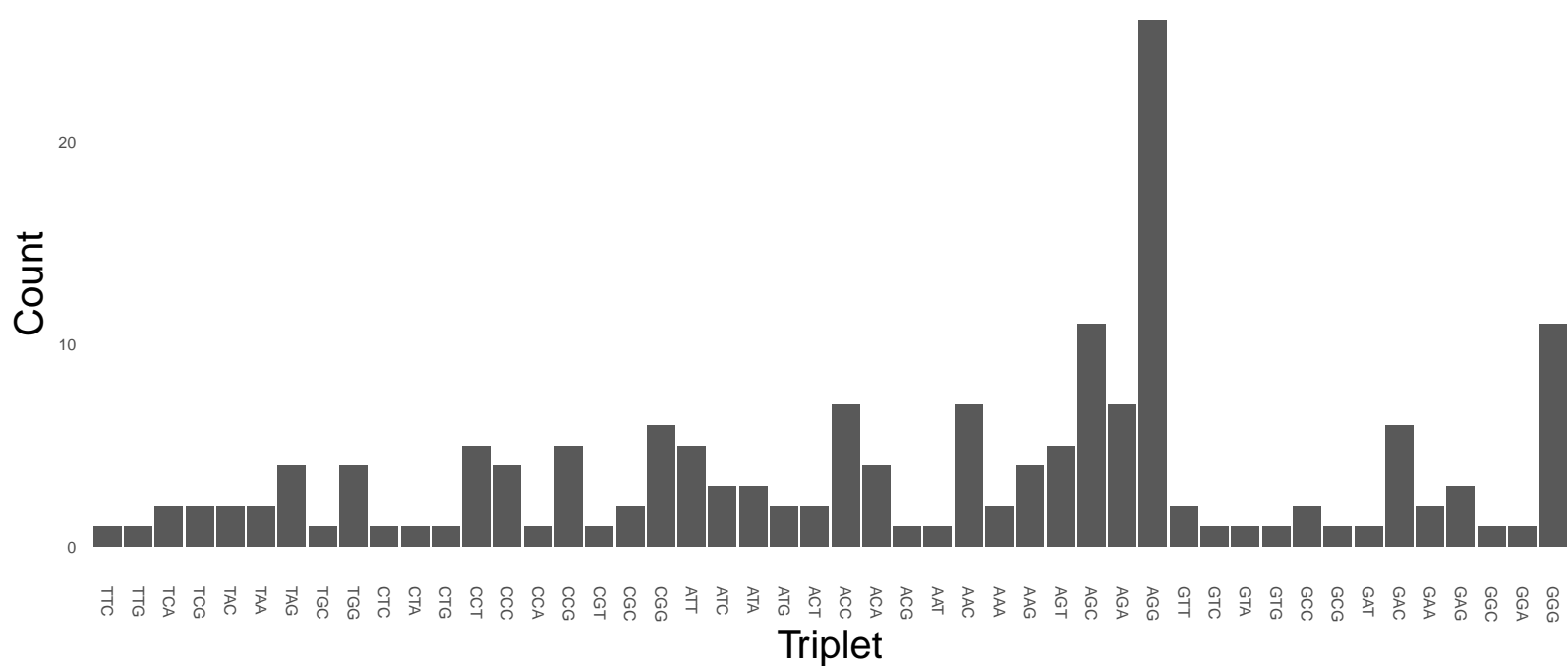
Gene TRBV7-7\*ap01\_C315T



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

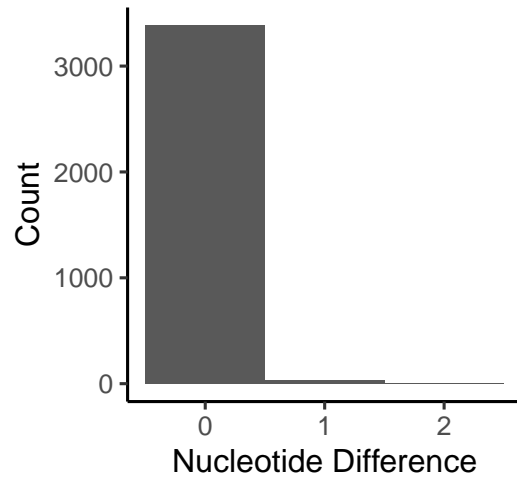


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



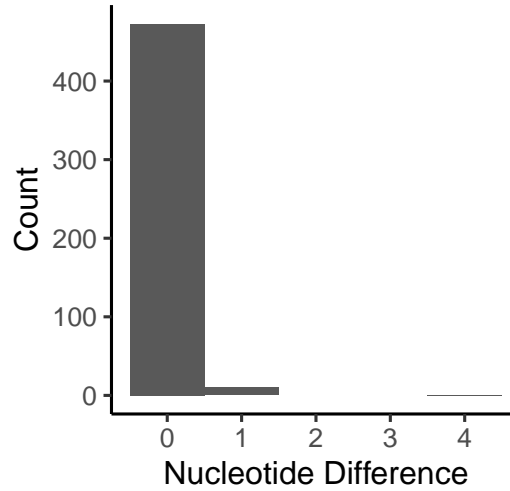
### TRBV20-1\*ap01

3420 sequences assigned  
3384 (98.9%) exact matches, in which:  
3360 unique CDR3  
13 unique J



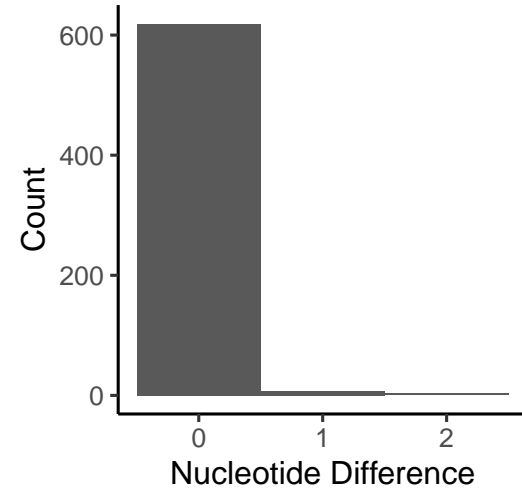
### TRBV10-2\*ap01

484 sequences assigned  
473 (97.7%) exact matches, in which:  
460 unique CDR3  
13 unique J



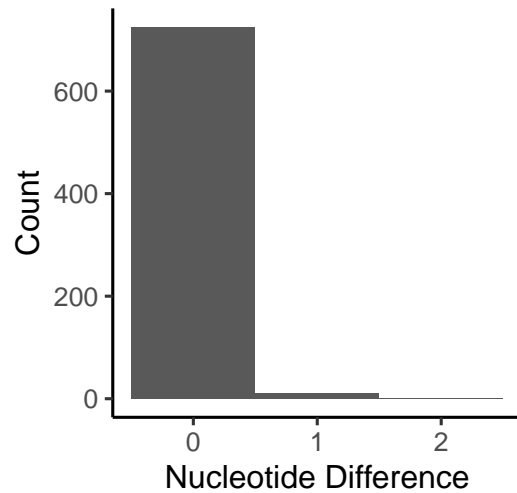
### TRBV13\*ap01

630 sequences assigned  
619 (98.3%) exact matches, in which:  
611 unique CDR3  
13 unique J



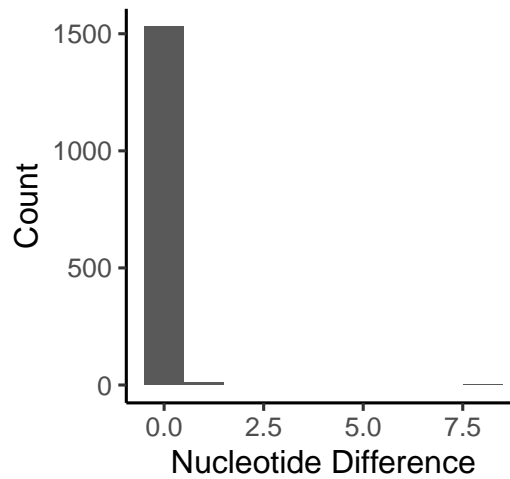
### TRBV10-1\*ap01

736 sequences assigned  
725 (98.5%) exact matches, in which:  
709 unique CDR3  
13 unique J



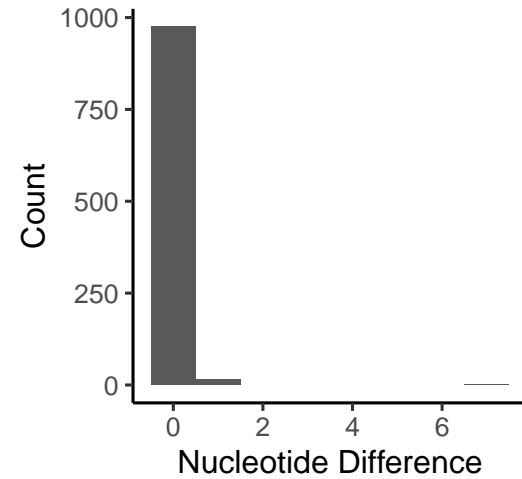
### TRBV10-3\*ap01

1540 sequences assigned  
1530 (99.4%) exact matches, in which:  
1502 unique CDR3  
13 unique J



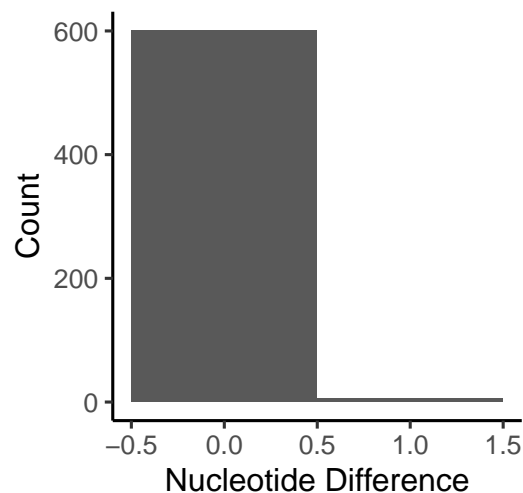
### TRBV14\*ap01

991 sequences assigned  
975 (98.4%) exact matches, in which:  
961 unique CDR3  
13 unique J



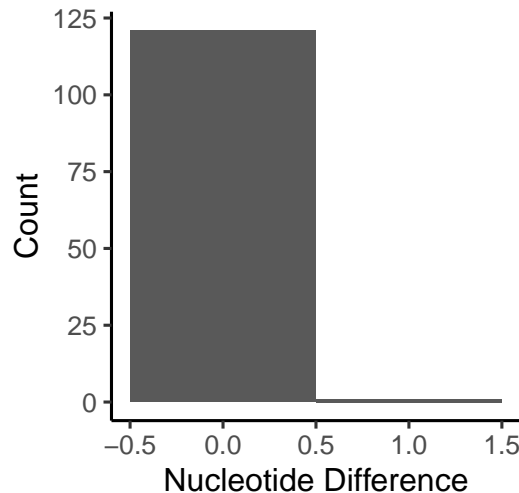
### TRBV20-1\*ap02

606 sequences assigned  
601 (99.2%) exact matches, in which:  
594 unique CDR3  
13 unique J



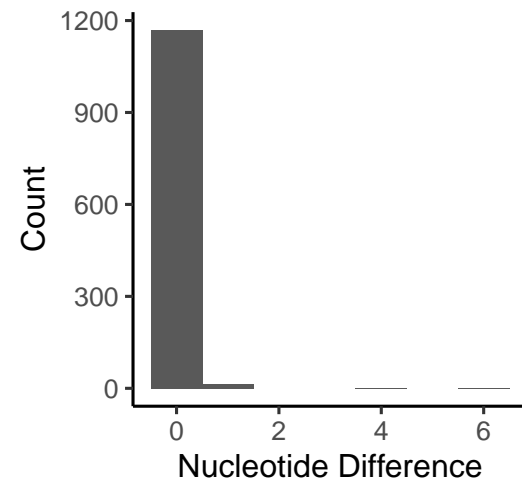
### TRBV1\*ap01

122 sequences assigned  
121 (99.2%) exact matches, in which:  
115 unique CDR3  
13 unique J



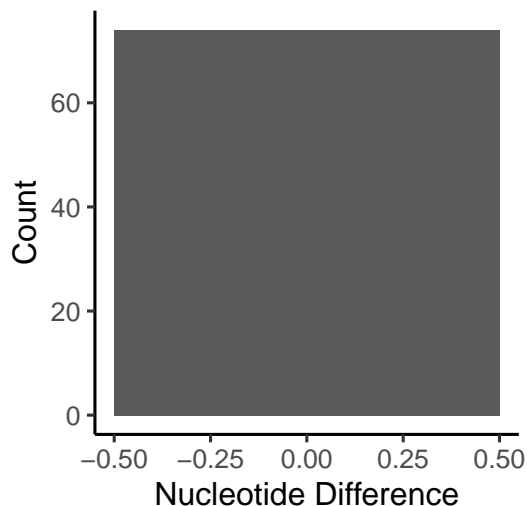
### TRBV15\*ap02

1185 sequences assigned  
1169 (98.6%) exact matches, in which:  
1154 unique CDR3  
13 unique J



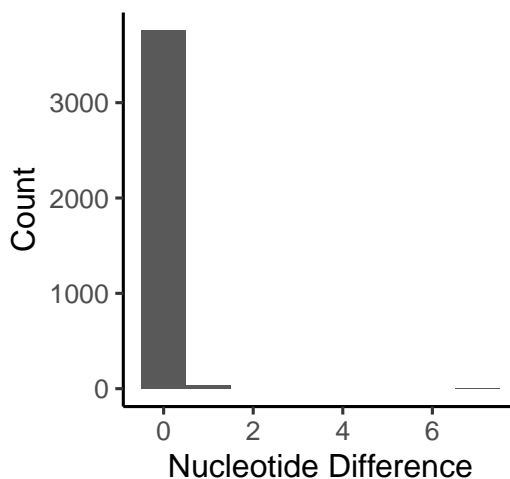
### TRBV16\*ap01

74 sequences assigned  
74 (100%) exact matches, in which:  
73 unique CDR3  
10 unique J



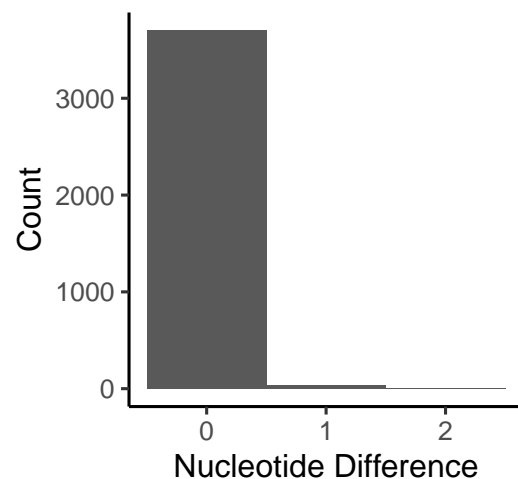
### TRBV19\*ap01

3799 sequences assigned  
3758 (98.9%) exact matches, in which:  
3742 unique CDR3  
14 unique J



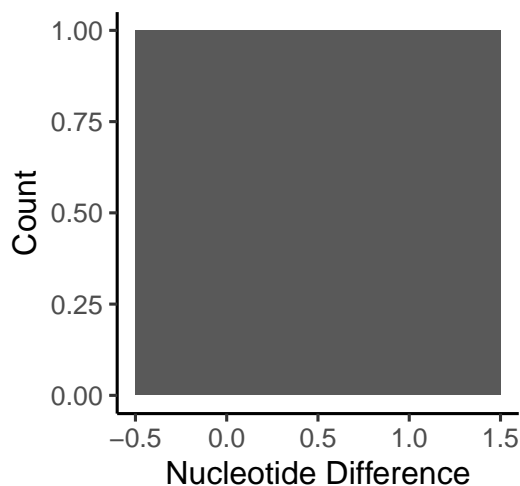
### TRBV28\*ap01

3742 sequences assigned  
3701 (98.9%) exact matches, in which:  
3667 unique CDR3  
13 unique J



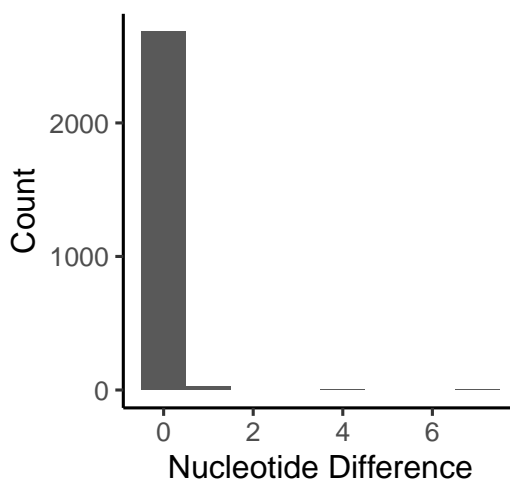
### TRBV17\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



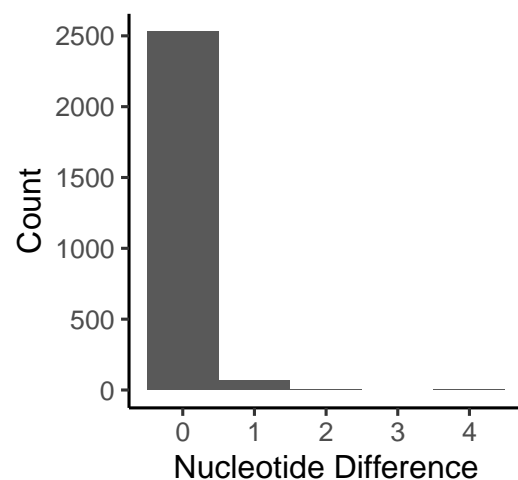
### TRBV2\*ap01

2709 sequences assigned  
2683 (99%) exact matches, in which:  
2637 unique CDR3  
13 unique J



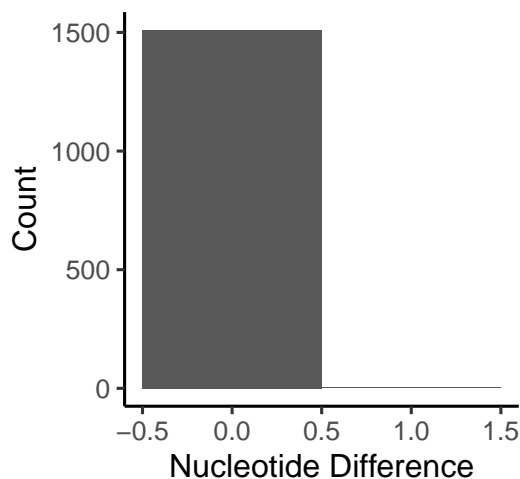
### TRBV30\*ap01

2599 sequences assigned  
2529 (97.3%) exact matches, in which:  
2457 unique CDR3  
13 unique J



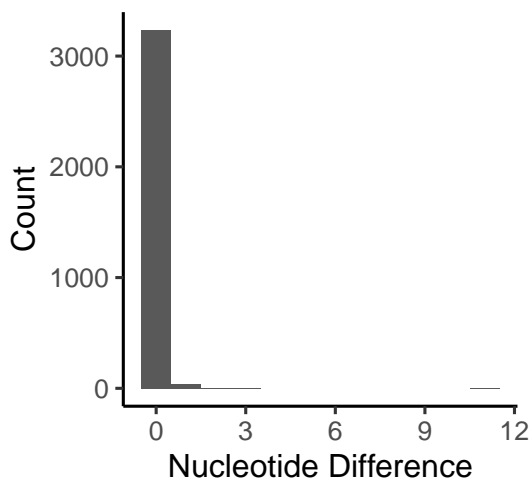
### TRBV18\*ap01

1514 sequences assigned  
1510 (99.7%) exact matches, in which:  
1504 unique CDR3  
13 unique J



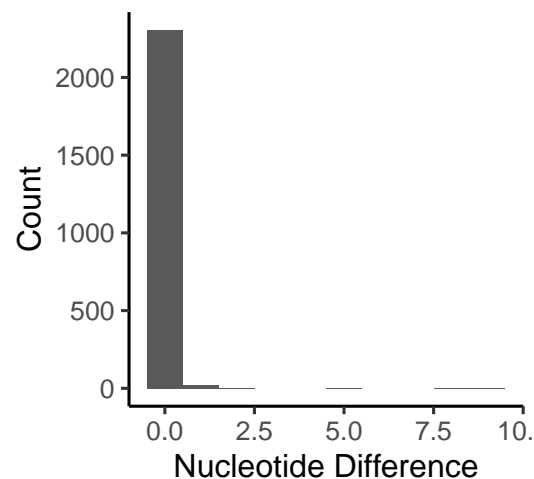
### TRBV27\*ap01

3279 sequences assigned  
3235 (98.7%) exact matches, in which:  
3186 unique CDR3  
13 unique J



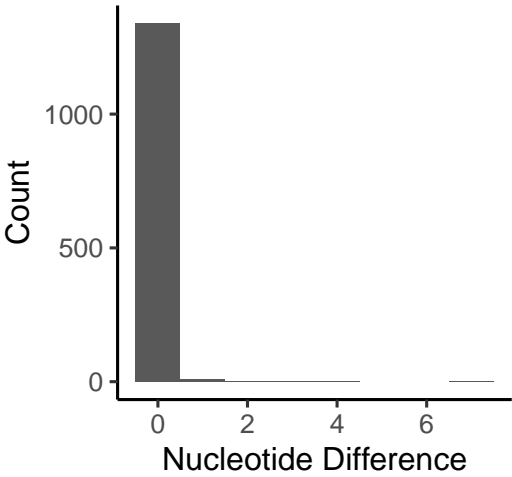
### TRBV9\*ap01

2331 sequences assigned  
2305 (98.9%) exact matches, in which:  
2292 unique CDR3  
13 unique J



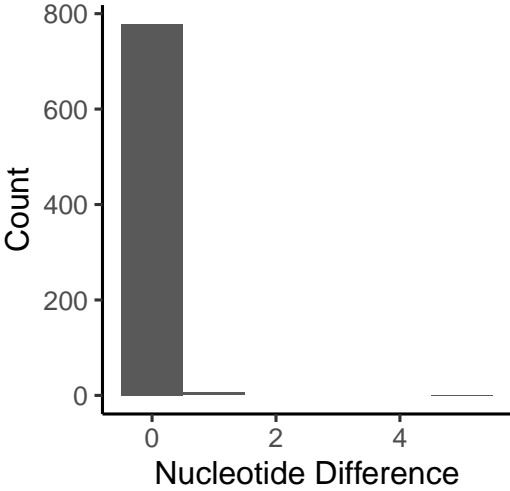
TRBV21–1\*ap01

1353 sequences assigned  
1339 (99%) exact matches, in which:  
1327 unique CDR3  
13 unique J



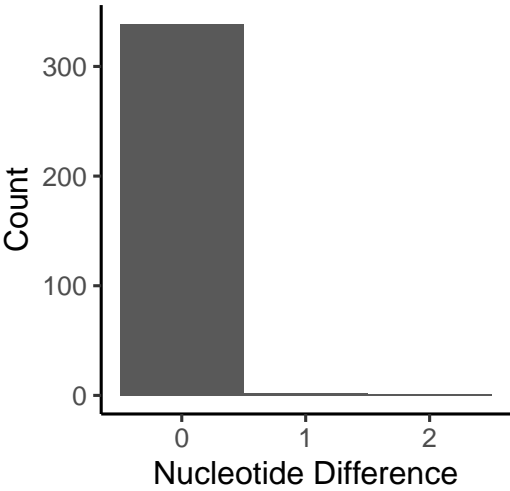
TRBV11–3\*ap01

786 sequences assigned  
779 (99.1%) exact matches, in which:  
771 unique CDR3  
13 unique J



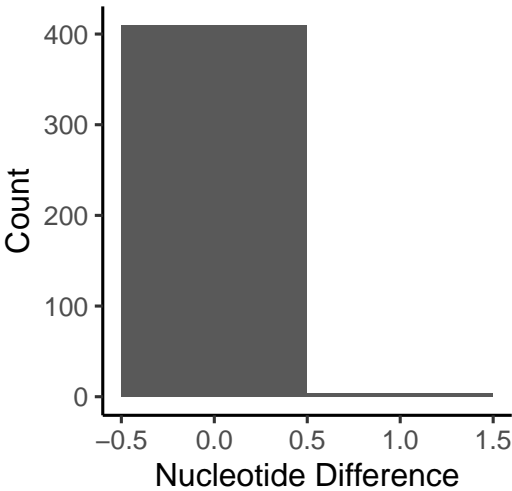
TRBV12–5\*ap01

342 sequences assigned  
339 (99.1%) exact matches, in which:  
331 unique CDR3  
13 unique J



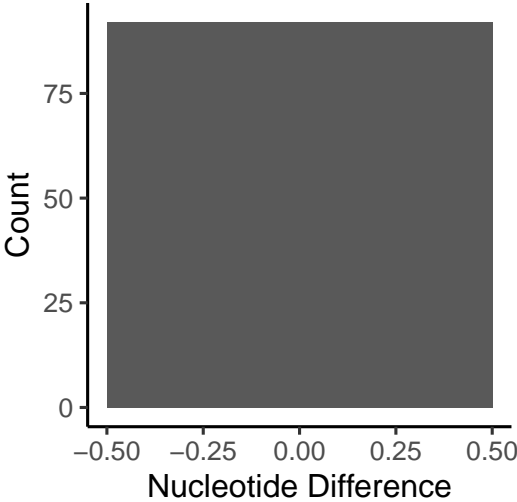
TRBV11–1\*ap01

414 sequences assigned  
410 (99%) exact matches, in which:  
406 unique CDR3  
13 unique J



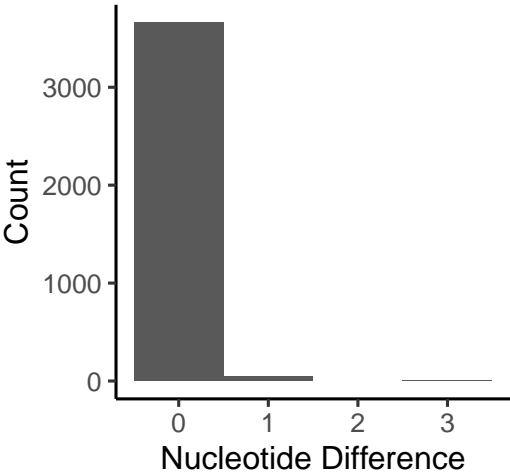
TRBV12–1\*ap01

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



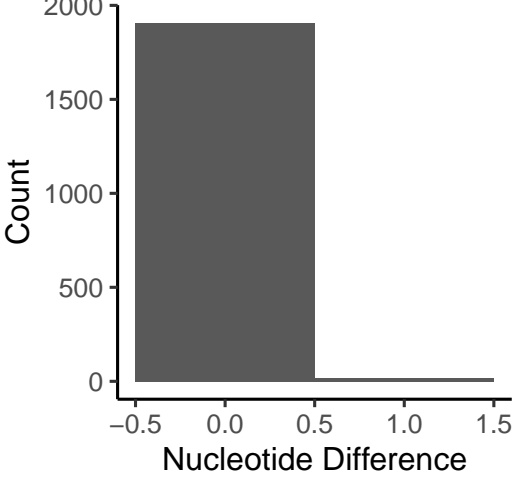
TRBV12–34\*ap01

3711 sequences assigned  
3659 (98.6%) exact matches, in which:  
3613 unique CDR3  
13 unique J



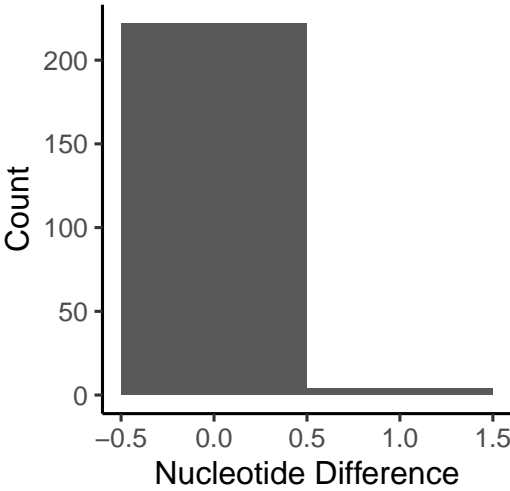
TRBV11–2\*ap01

1922 sequences assigned  
1906 (99.2%) exact matches, in which:  
1887 unique CDR3  
13 unique J



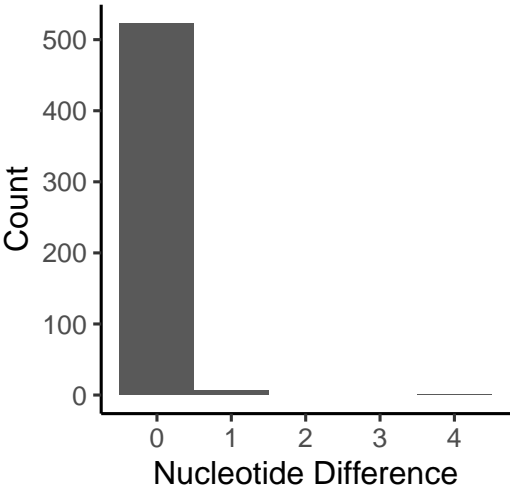
TRBV12–2\*ap01

226 sequences assigned  
222 (98.2%) exact matches, in which:  
215 unique CDR3  
13 unique J



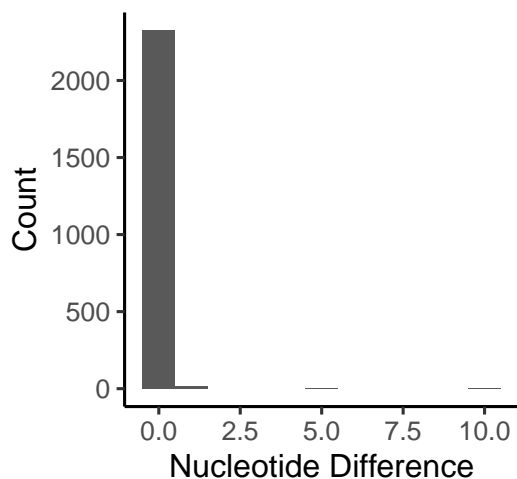
TRBV23–1\*ap01

530 sequences assigned  
523 (98.7%) exact matches, in which:  
520 unique CDR3  
13 unique J



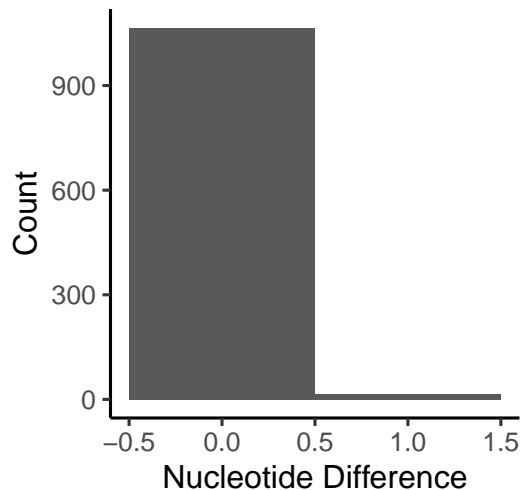
### TRBV3-12\*ap01

2346 sequences assigned  
2325 (99.1%) exact matches, in which:  
2311 unique CDR3  
13 unique J



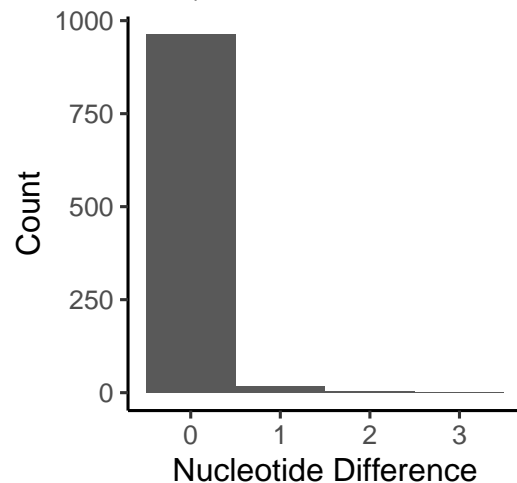
### TRBV4-2\*ap01

1081 sequences assigned  
1066 (98.6%) exact matches, in which:  
1053 unique CDR3  
13 unique J



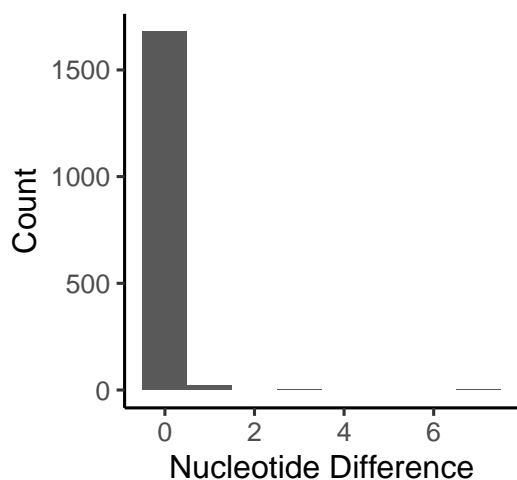
### TRBV25-1\*ap01

986 sequences assigned  
963 (97.7%) exact matches, in which:  
939 unique CDR3  
13 unique J



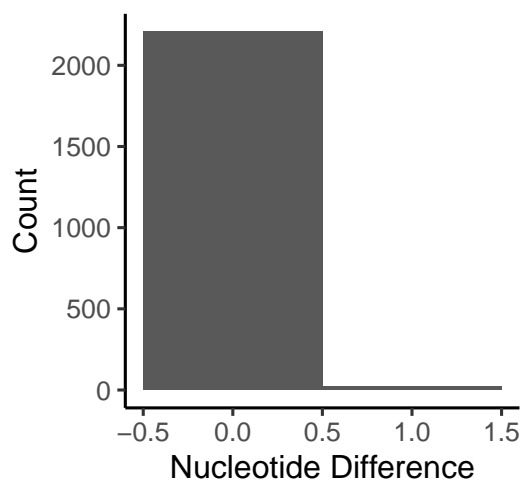
### TRBV24-1\*ap01

1703 sequences assigned  
1679 (98.6%) exact matches, in which:  
1648 unique CDR3  
13 unique J



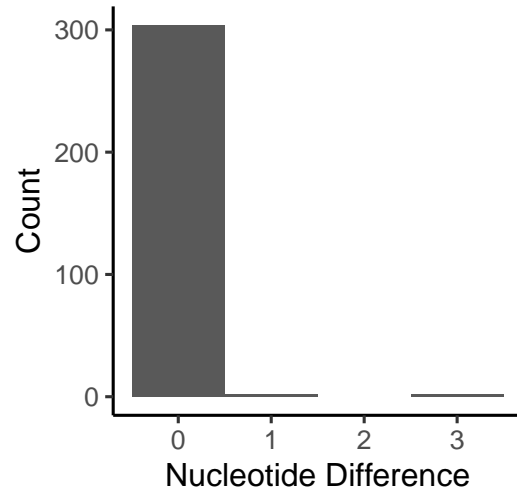
### TRBV4-3\*ap01

2228 sequences assigned  
2207 (99.1%) exact matches, in which:  
2180 unique CDR3  
13 unique J



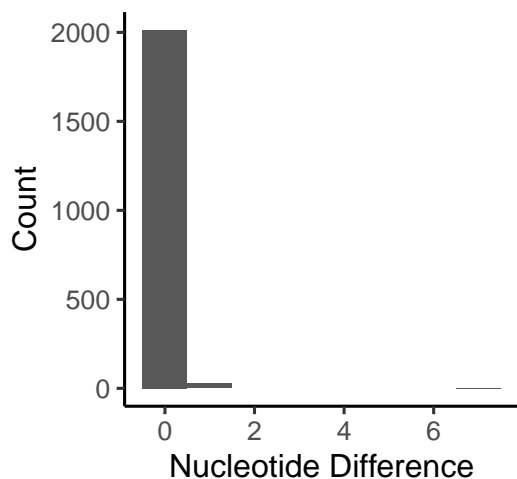
### TRBV5-3\*ap01

308 sequences assigned  
304 (98.7%) exact matches, in which:  
300 unique CDR3  
13 unique J



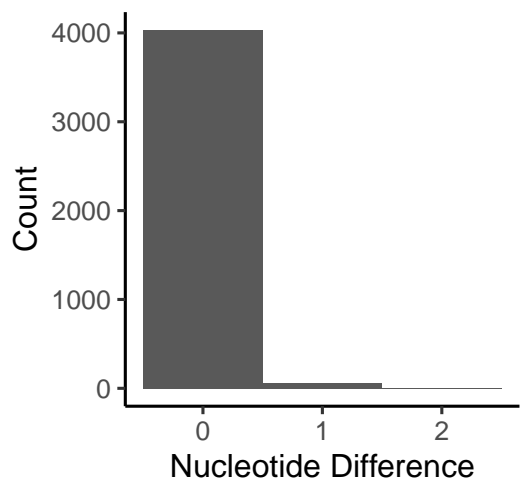
### TRBV4-1\*ap01

2043 sequences assigned  
2013 (98.5%) exact matches, in which:  
1981 unique CDR3  
13 unique J



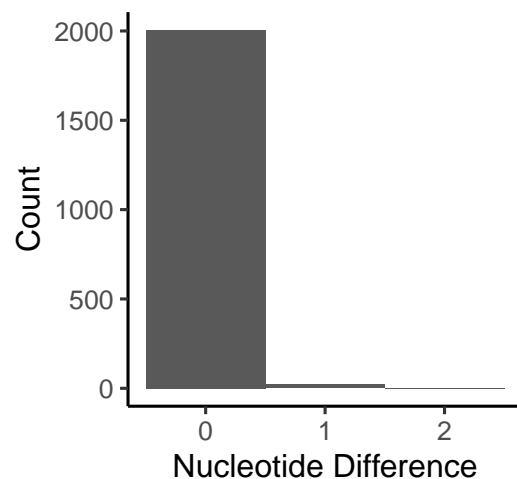
### TRBV5-1\*ap01

4100 sequences assigned  
4032 (98.3%) exact matches, in which:  
3950 unique CDR3  
13 unique J



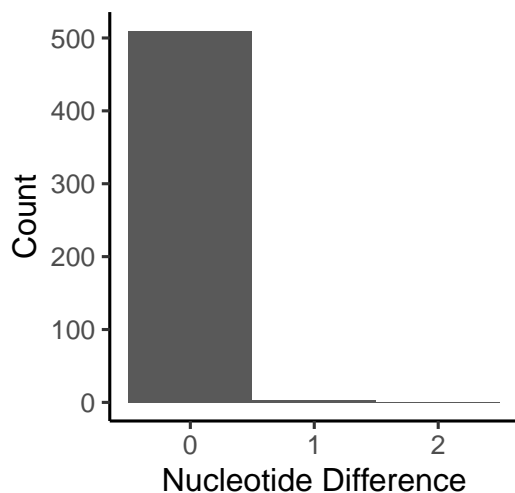
### TRBV5-4\*ap01

2028 sequences assigned  
2005 (98.9%) exact matches, in which:  
1975 unique CDR3  
13 unique J



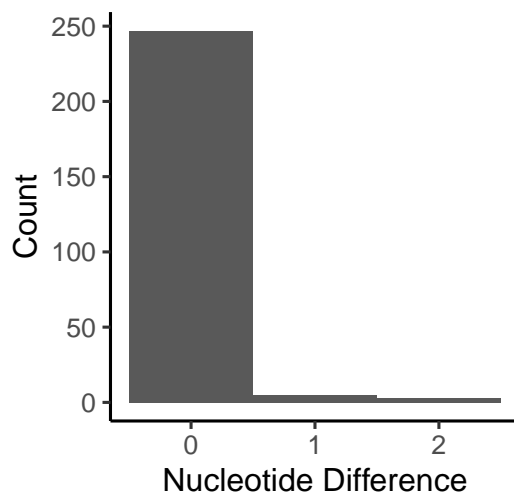
### TRBV5–5\*ap01

514 sequences assigned  
510 (99.2%) exact matches, in which:  
510 unique CDR3  
13 unique J



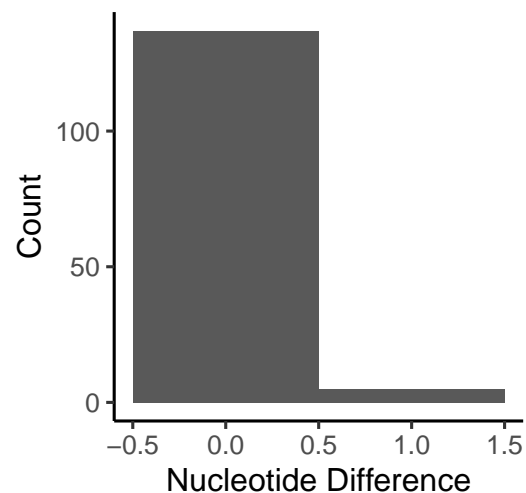
### TRBV5–8\*ap01

255 sequences assigned  
247 (96.9%) exact matches, in which:  
244 unique CDR3  
13 unique J



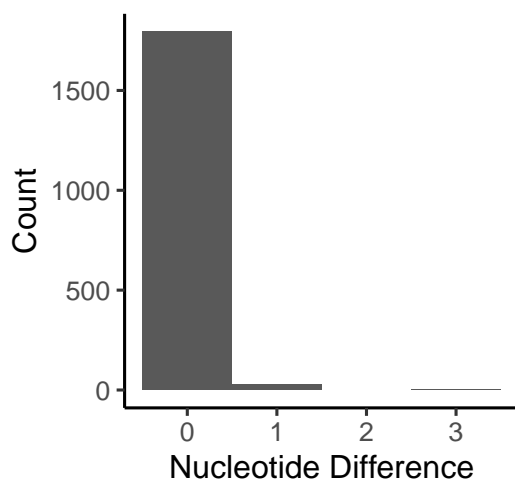
### TRBV6–7\*ap01

142 sequences assigned  
137 (96.5%) exact matches, in which:  
133 unique CDR3  
12 unique J



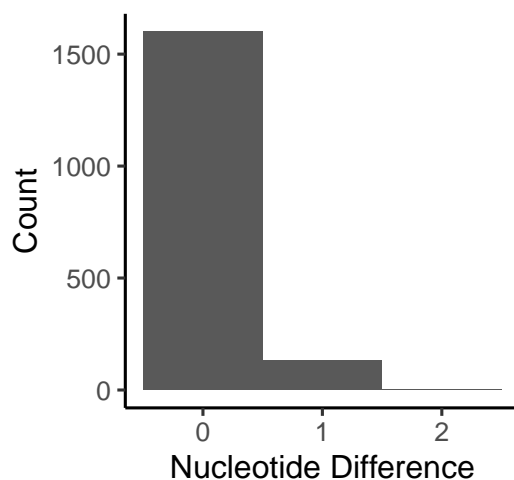
### TRBV5–6\*ap01

1823 sequences assigned  
1794 (98.4%) exact matches, in which:  
1754 unique CDR3  
13 unique J



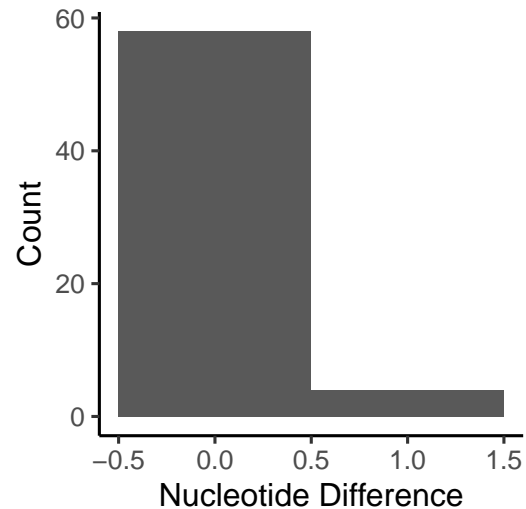
### TRBV6–1\*ap01

1736 sequences assigned  
1600 (92.2%) exact matches, in which:  
1556 unique CDR3  
13 unique J



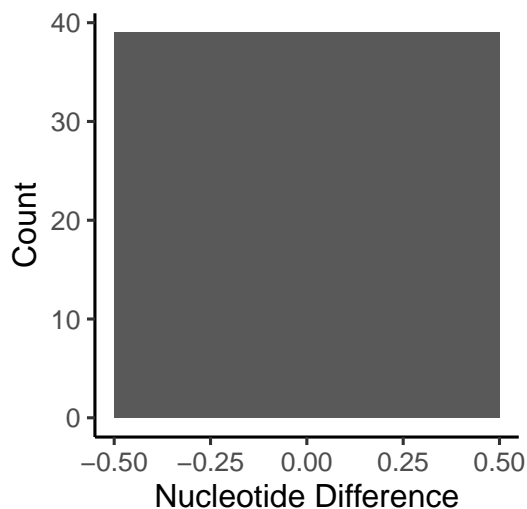
### TRBV6–8\*ap01

62 sequences assigned  
58 (93.5%) exact matches, in which:  
57 unique CDR3  
11 unique J



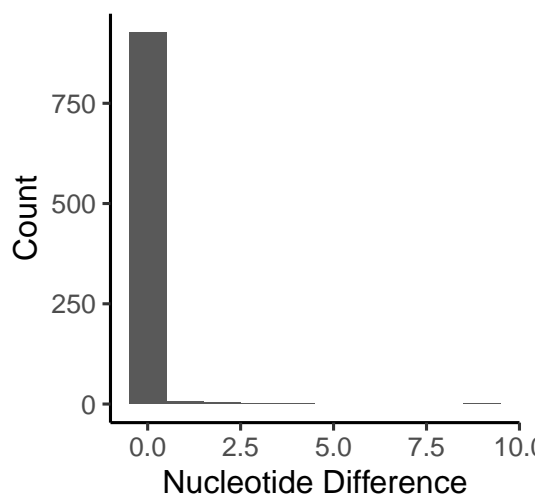
### TRBV5–7\*ap01

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



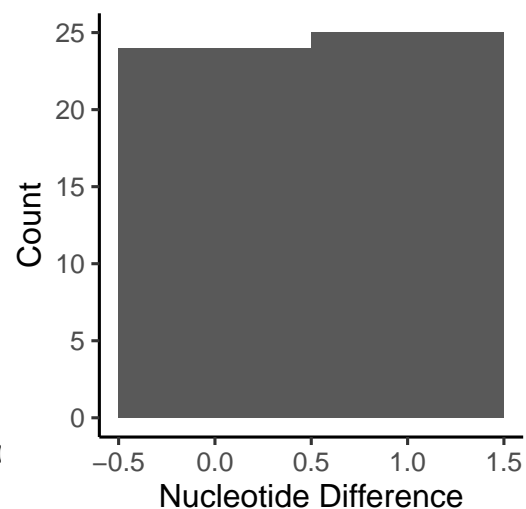
### TRBV6–4\*ap01

940 sequences assigned  
927 (98.6%) exact matches, in which:  
918 unique CDR3  
13 unique J



### TRBV6–9\*ap01

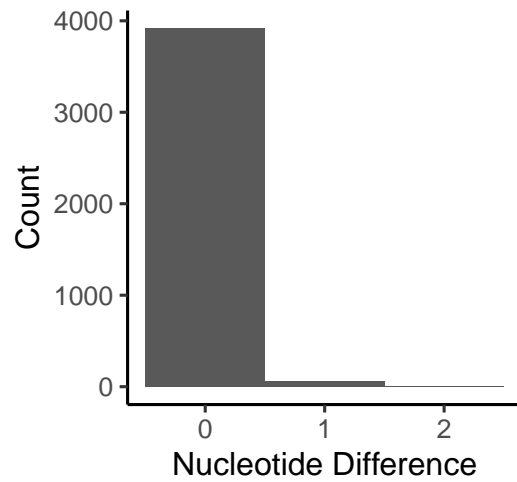
49 sequences assigned  
24 (49%) exact matches, in which:  
23 unique CDR3  
8 unique J





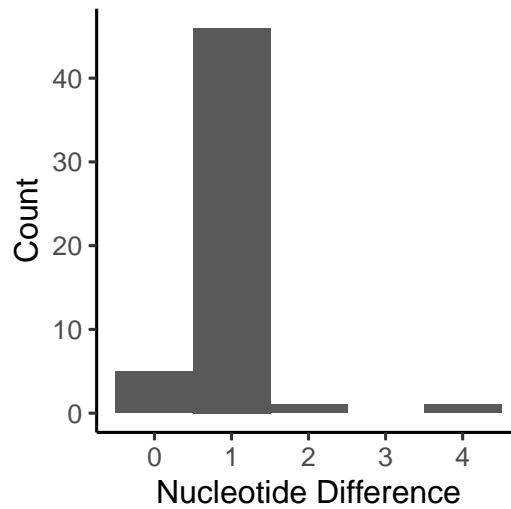
### TRBV6-23\*ap01

3978 sequences assigned  
3917 (98.5%) exact matches, in which:  
3828 unique CDR3  
13 unique J



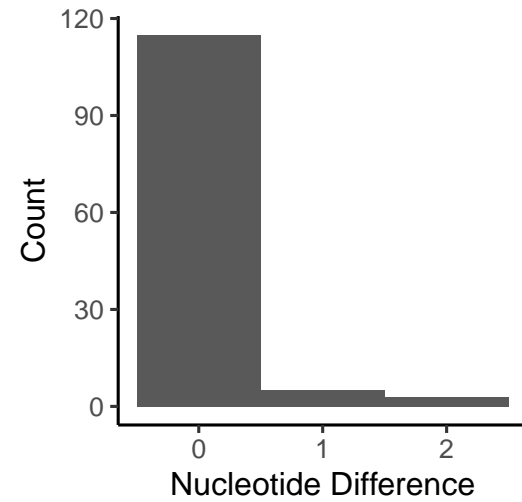
### TRBV7-1\*ap01\_T296C

53 sequences assigned  
5 (9.4%) exact matches, in which:  
5 unique CDR3  
5 unique J



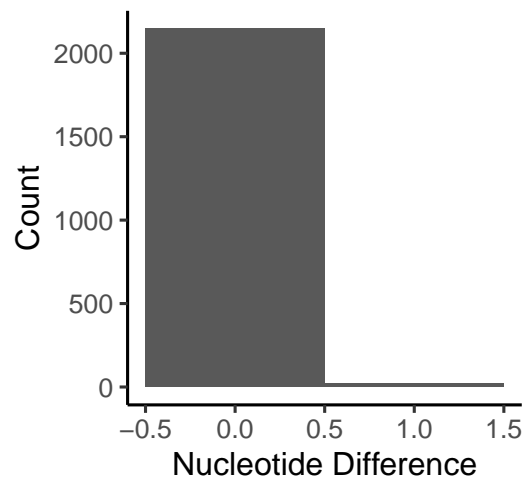
### TRBV7-4\*ap01

123 sequences assigned  
115 (93.5%) exact matches, in which:  
110 unique CDR3  
12 unique J



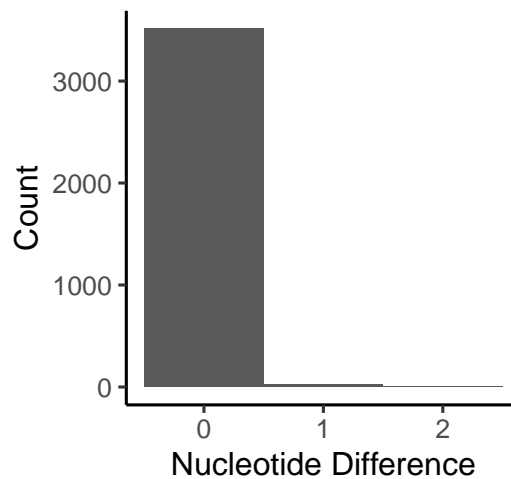
### TRBV6-56\*ap01

2169 sequences assigned  
2147 (99%) exact matches, in which:  
2093 unique CDR3  
13 unique J



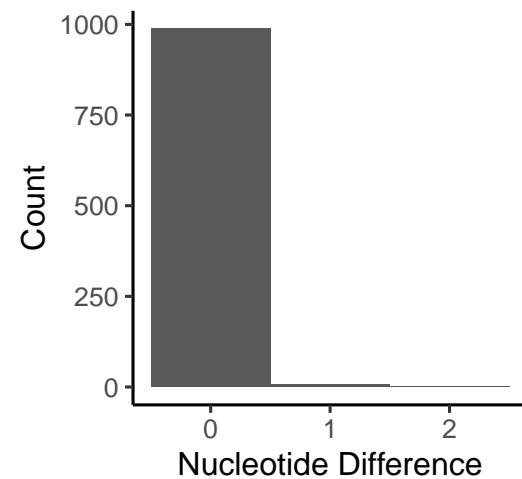
### TRBV7-2\*ap01

3541 sequences assigned  
3513 (99.2%) exact matches, in which:  
3470 unique CDR3  
13 unique J



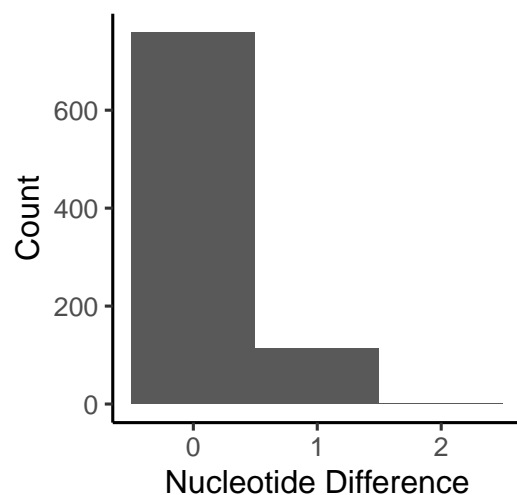
### TRBV7-6\*ap01

997 sequences assigned  
988 (99.1%) exact matches, in which:  
973 unique CDR3  
13 unique J



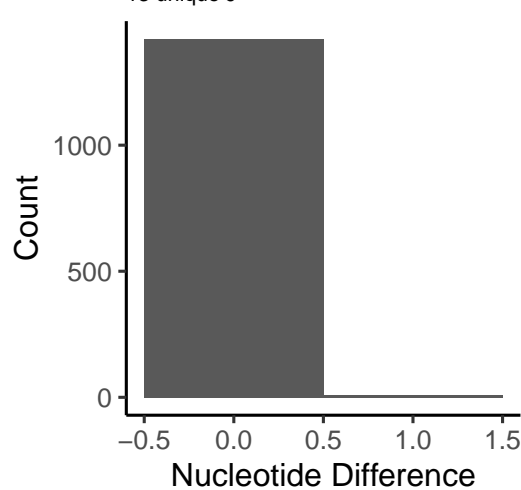
### TRBV6-56\*ap02

874 sequences assigned  
759 (86.8%) exact matches, in which:  
747 unique CDR3  
13 unique J



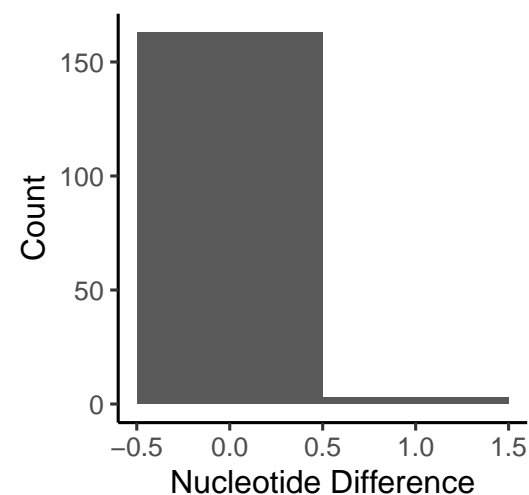
### TRBV7-3\*ap01

1430 sequences assigned  
1421 (99.4%) exact matches, in which:  
1410 unique CDR3  
13 unique J



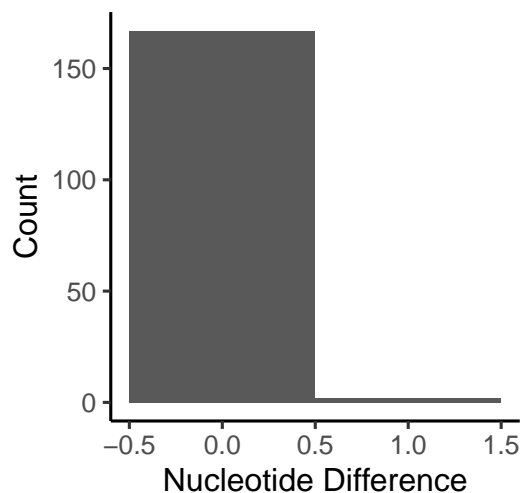
### TRBV7-7\*ap01

166 sequences assigned  
163 (98.2%) exact matches, in which:  
162 unique CDR3  
13 unique J



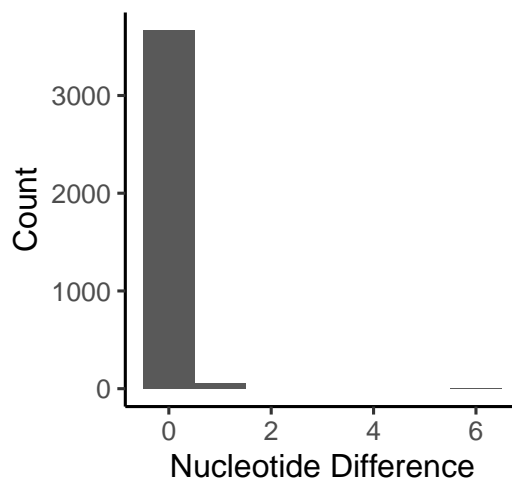
### TRBV7-7\*ap01\_C315T

169 sequences assigned  
167 (98.8%) exact matches, in which:  
166 unique CDR3  
11 unique J



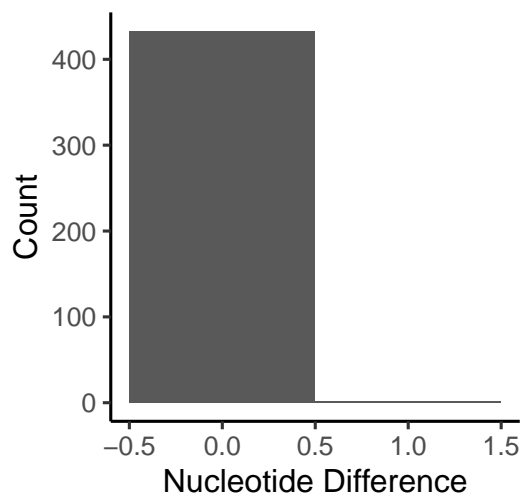
### TRBV7-9\*ap01

3719 sequences assigned  
3666 (98.6%) exact matches, in which:  
3622 unique CDR3  
13 unique J



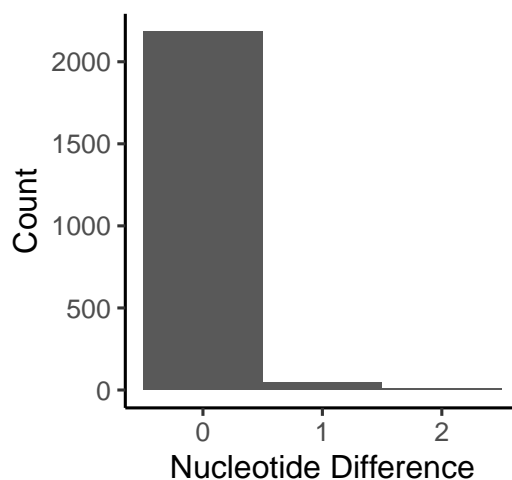
### TRBV7-8\*ap01

435 sequences assigned  
433 (99.5%) exact matches, in which:  
425 unique CDR3  
13 unique J



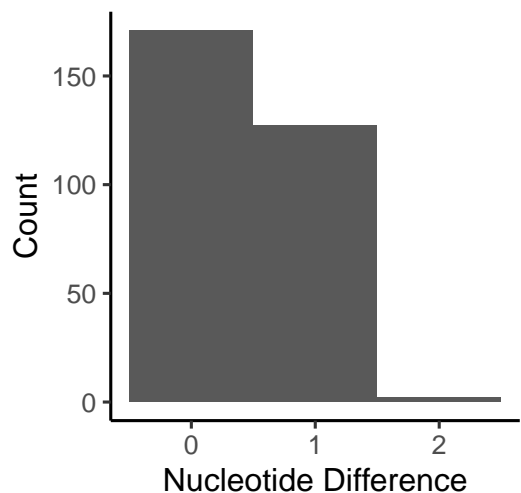
### TRBV29-1\*ap01

2234 sequences assigned  
2183 (97.7%) exact matches, in which:  
2125 unique CDR3  
13 unique J



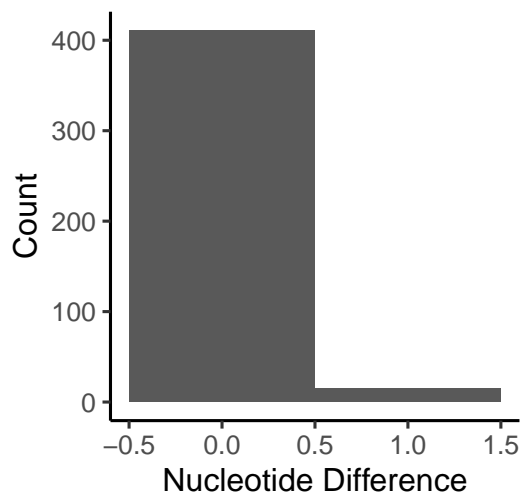
### TRBV7-8\*ap03

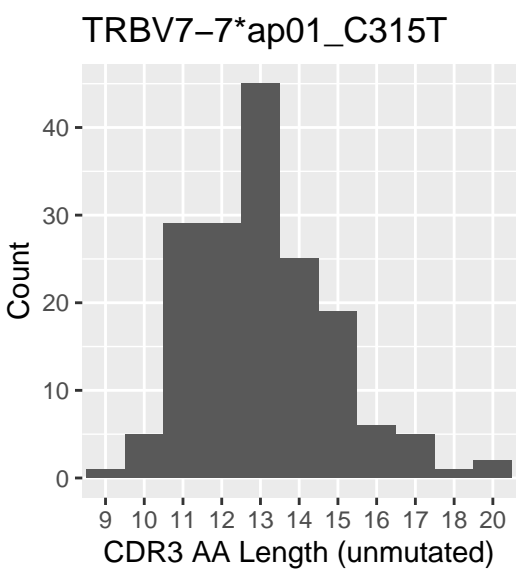
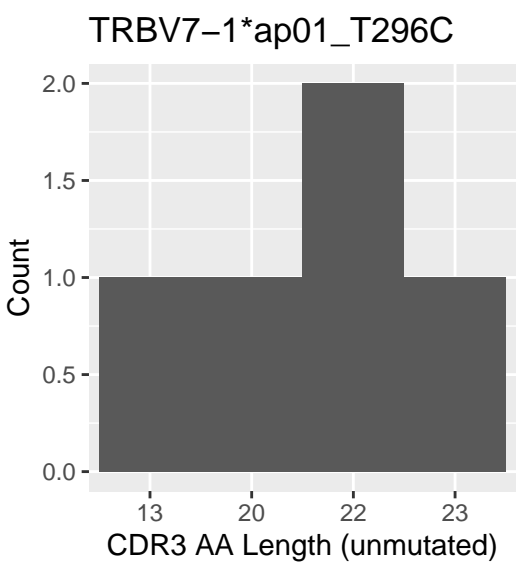
300 sequences assigned  
171 (57%) exact matches, in which:  
168 unique CDR3  
12 unique J



### TRBV29-1\*ap02

426 sequences assigned  
411 (96.5%) exact matches, in which:  
396 unique CDR3  
13 unique J







Warning – no inferred sequences found.

Warning – no inferred sequences found.