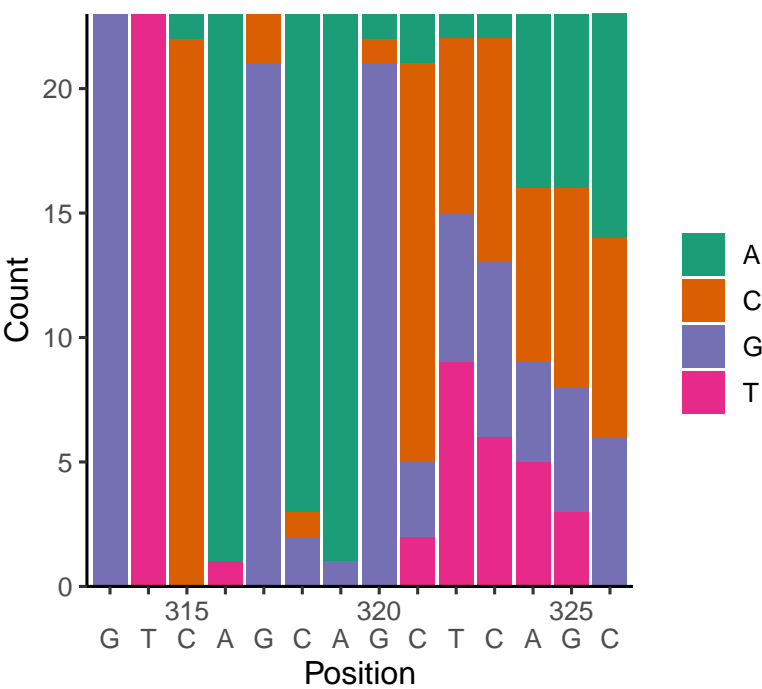
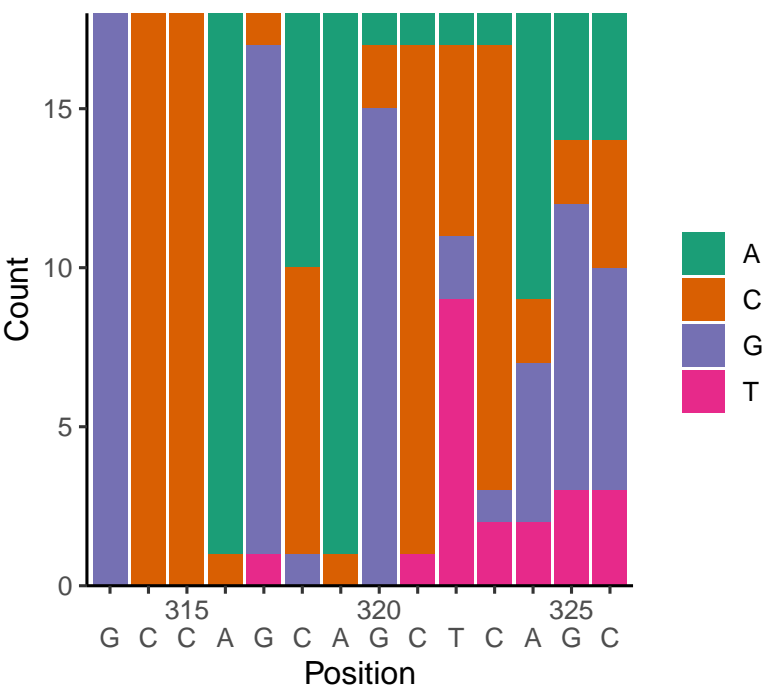


Gene TRBV7-1\*ap01\_T296C\_C314T



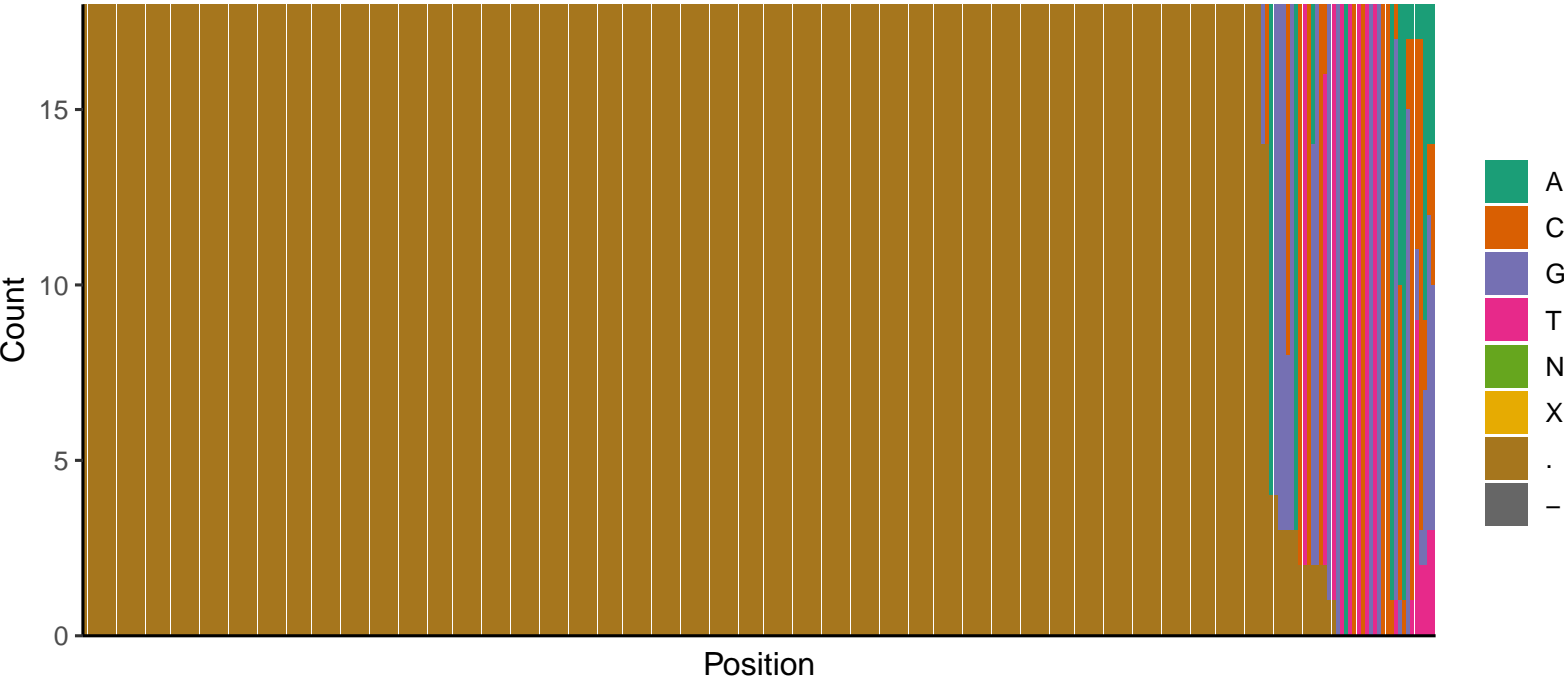
Gene TRBV7-1\*ap01\_T296C



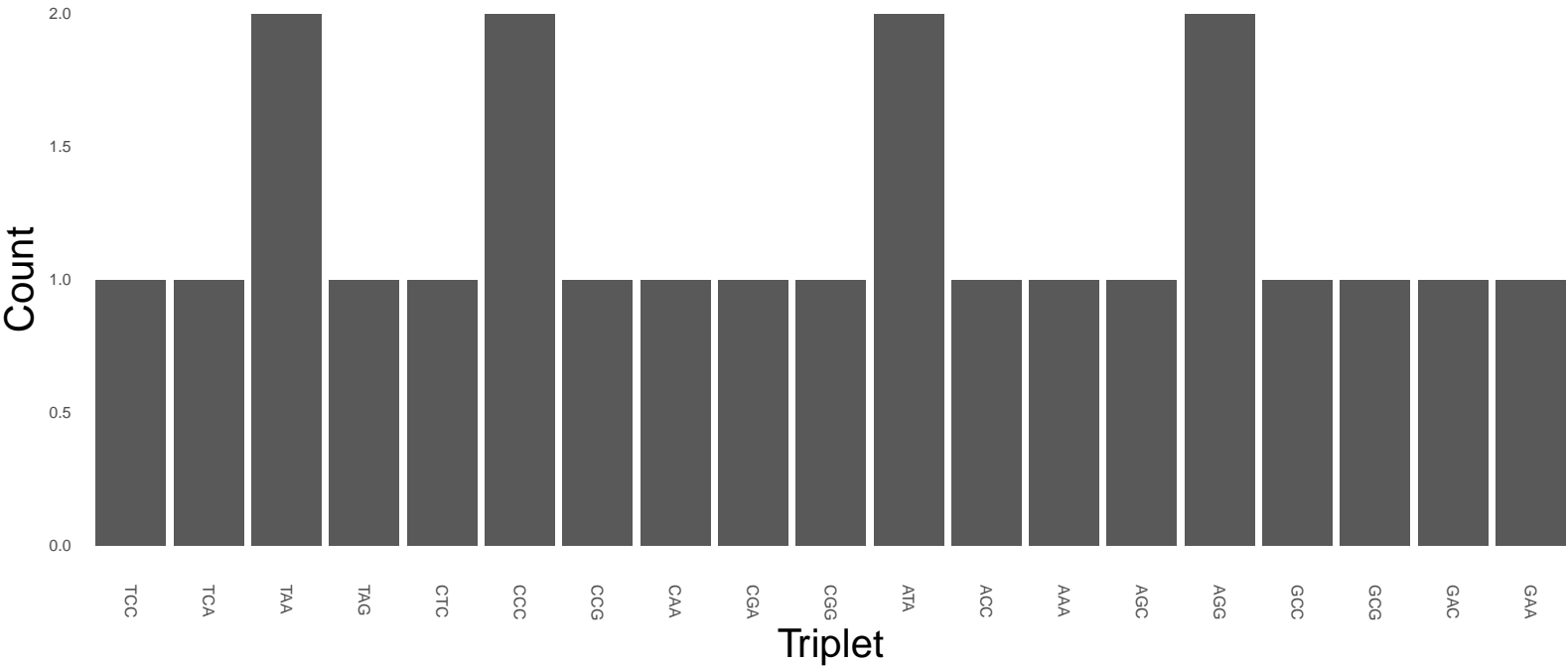
Gene TRBV7-1\*ap01\_T296C\_C314T



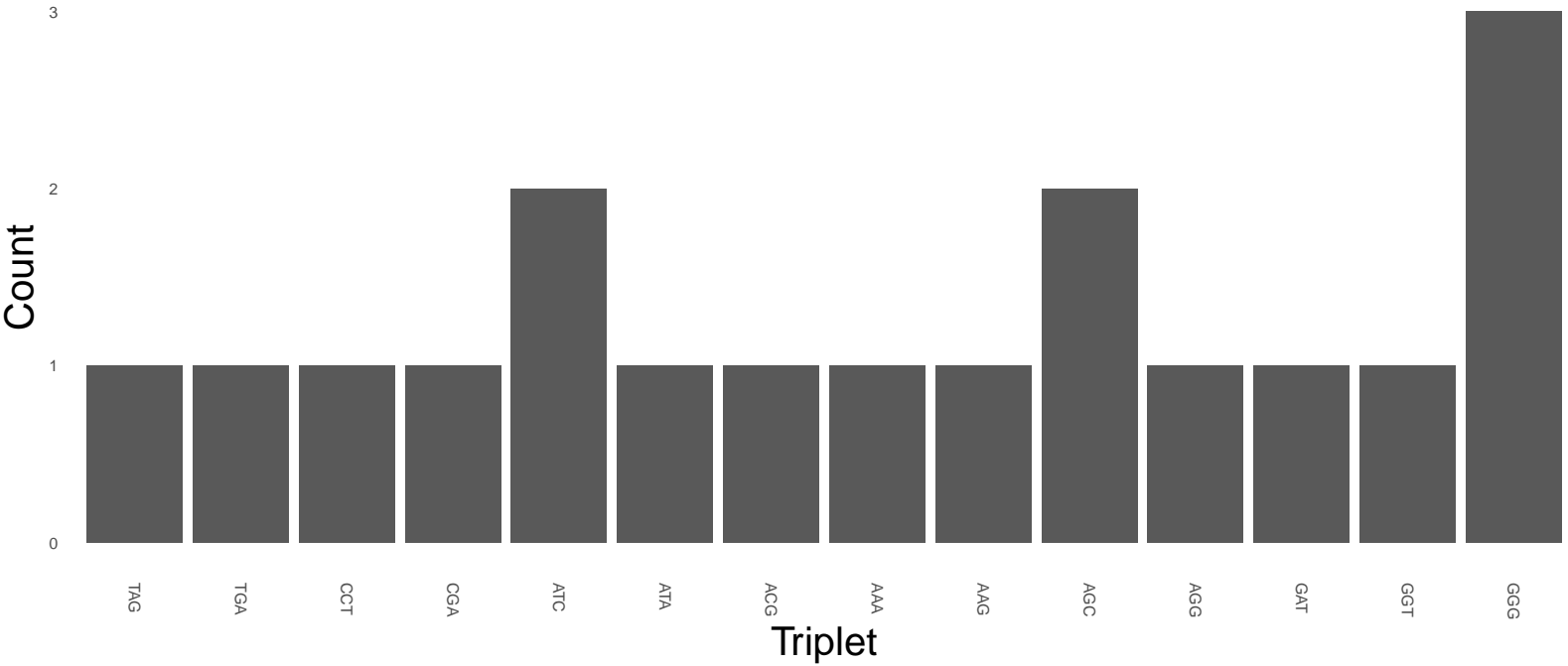
Gene TRBV7-1\*ap01\_T296C



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

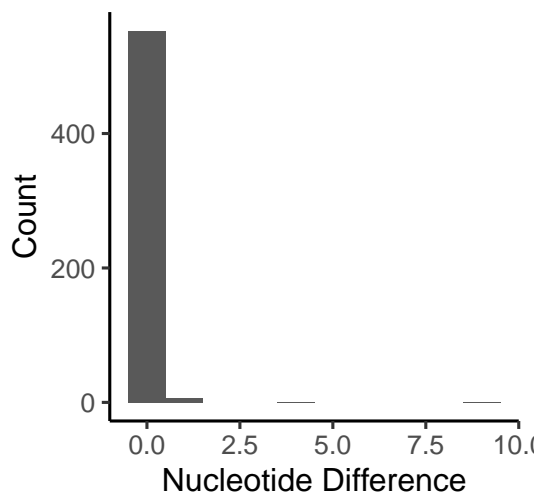


TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



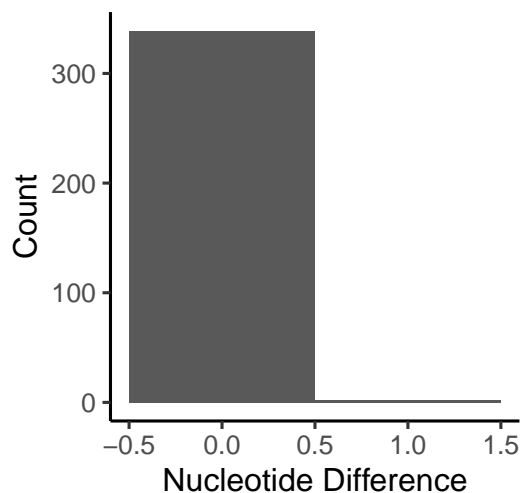
### TRBV10–1\*ap01

561 sequences assigned  
553 (98.6%) exact matches, in which:  
537 unique CDR3  
13 unique J



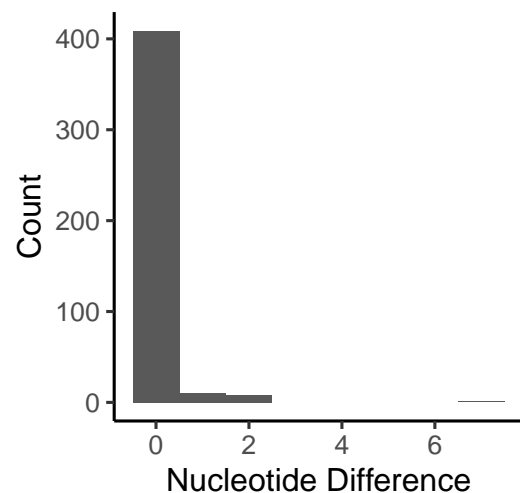
### TRBV10–2\*ap01

341 sequences assigned  
339 (99.4%) exact matches, in which:  
333 unique CDR3  
13 unique J



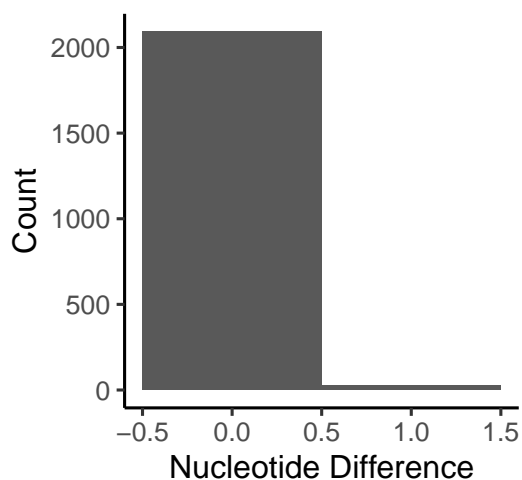
### TRBV13\*ap01

428 sequences assigned  
409 (95.6%) exact matches, in which:  
400 unique CDR3  
13 unique J



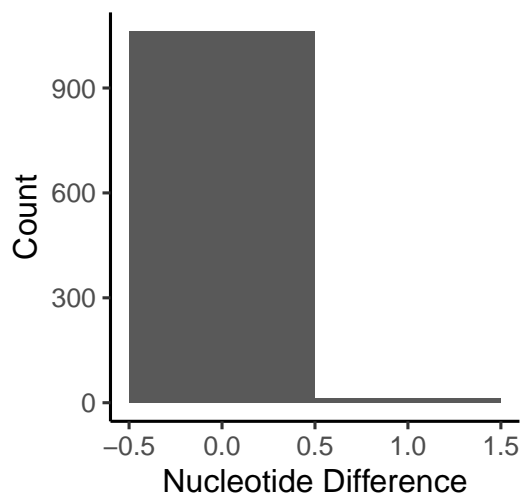
### TRBV20–1\*ap01

2121 sequences assigned  
2092 (98.6%) exact matches, in which:  
2050 unique CDR3  
13 unique J



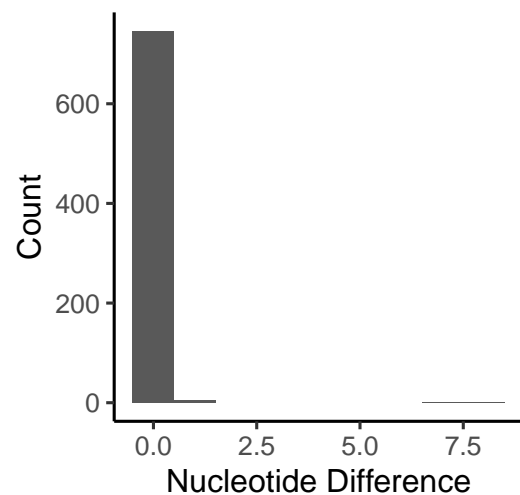
### TRBV10–3\*ap01

1077 sequences assigned  
1063 (98.7%) exact matches, in which:  
1042 unique CDR3  
13 unique J



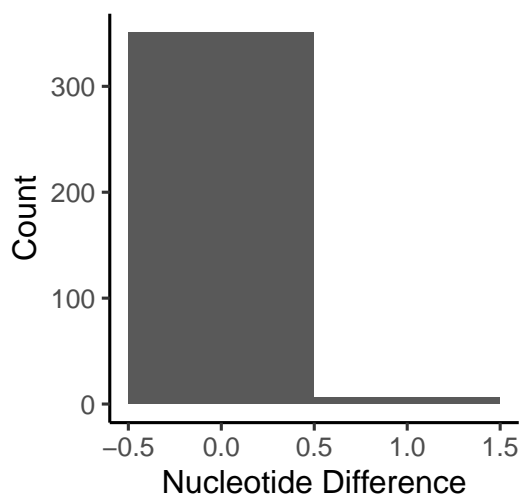
### TRBV14\*ap01

754 sequences assigned  
746 (98.9%) exact matches, in which:  
730 unique CDR3  
13 unique J



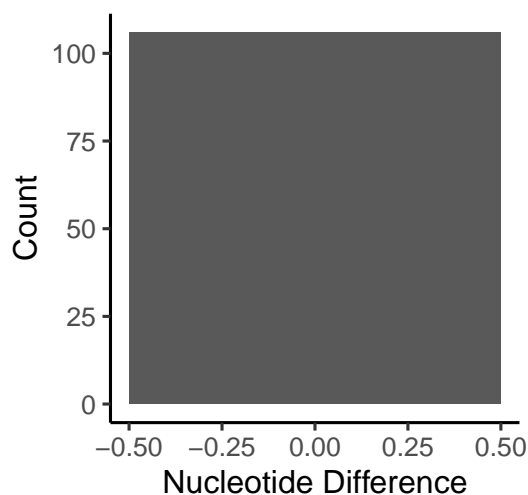
### TRBV20–1\*ap02

357 sequences assigned  
351 (98.3%) exact matches, in which:  
344 unique CDR3  
13 unique J



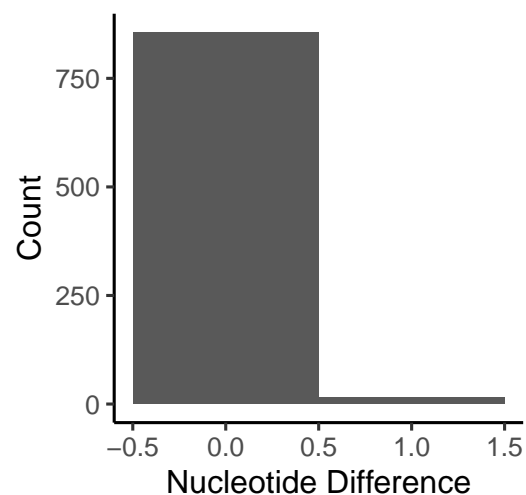
### TRBV1\*ap01

106 sequences assigned  
106 (100%) exact matches, in which:  
104 unique CDR3  
12 unique J



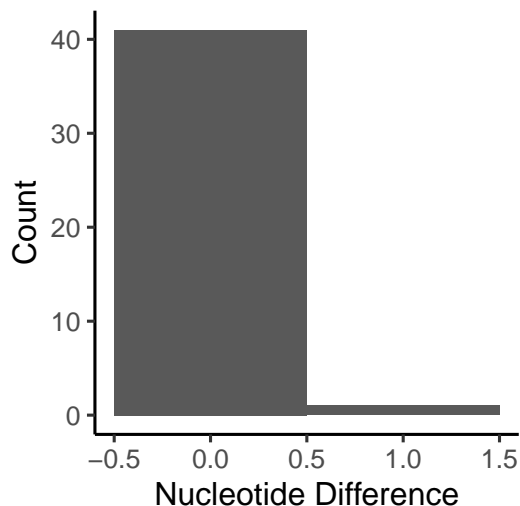
### TRBV15\*ap02

871 sequences assigned  
856 (98.3%) exact matches, in which:  
842 unique CDR3  
13 unique J



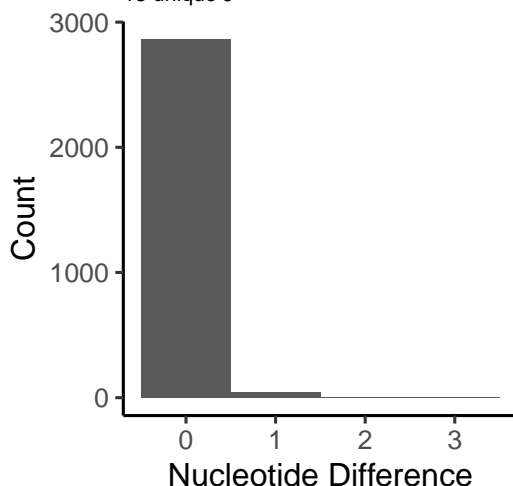
### TRBV16\*ap01

42 sequences assigned  
41 (97.6%) exact matches, in which:  
41 unique CDR3  
11 unique J



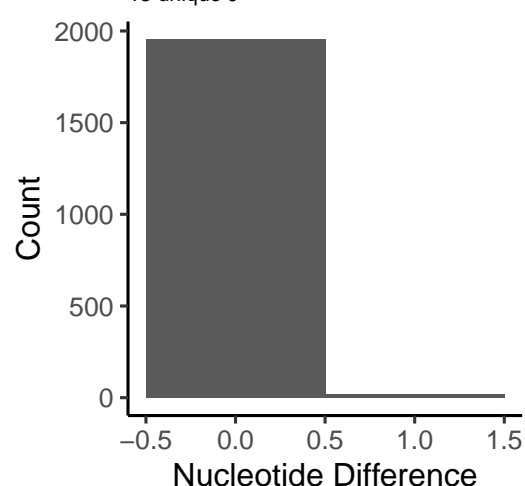
### TRBV19\*ap01

2911 sequences assigned  
2862 (98.3%) exact matches, in which:  
2813 unique CDR3  
13 unique J



### TRBV28\*ap01

1971 sequences assigned  
1954 (99.1%) exact matches, in which:  
1915 unique CDR3  
13 unique J



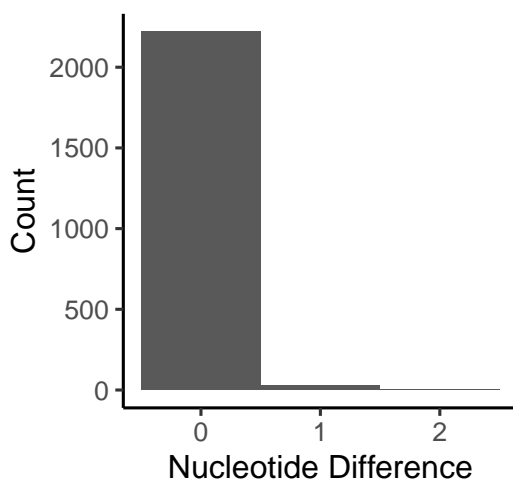
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



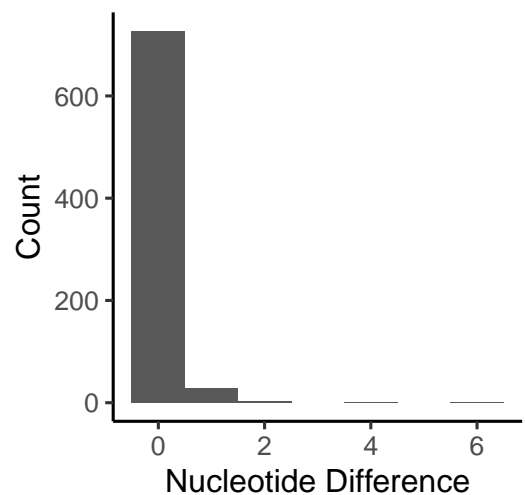
### TRBV2\*ap01

2249 sequences assigned  
2220 (98.7%) exact matches, in which:  
2179 unique CDR3  
13 unique J



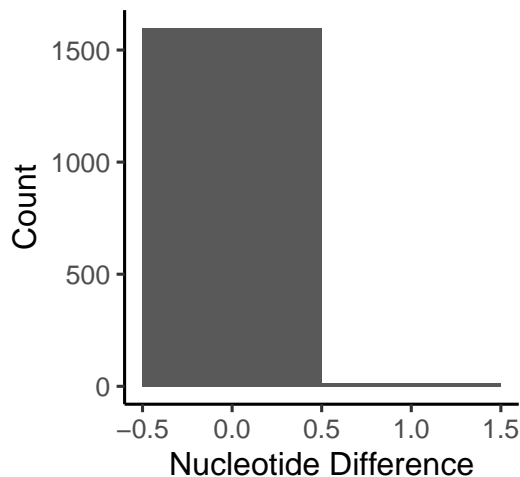
### TRBV30\*ap02

760 sequences assigned  
727 (95.7%) exact matches, in which:  
722 unique CDR3  
13 unique J



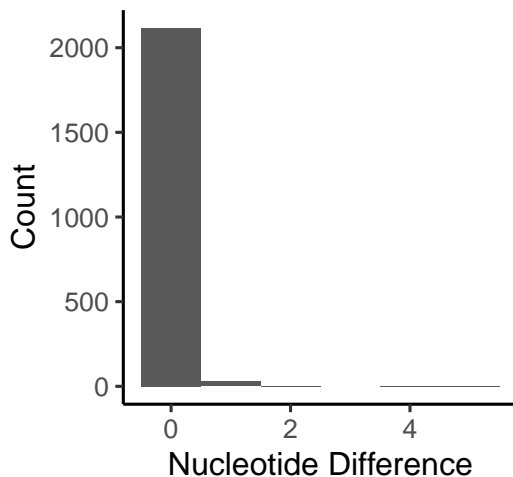
### TRBV18\*ap01

1613 sequences assigned  
1598 (99.1%) exact matches, in which:  
1566 unique CDR3  
13 unique J



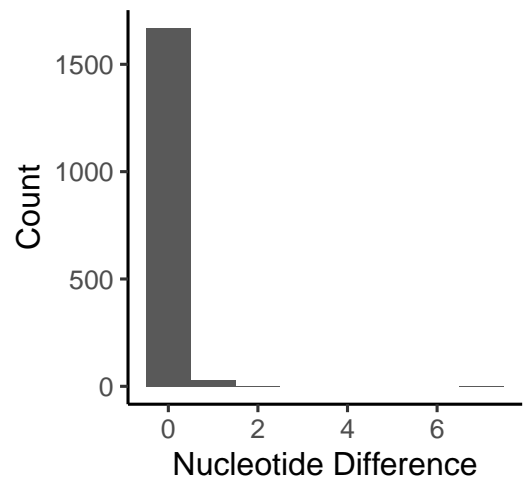
### TRBV27\*ap01

2148 sequences assigned  
2116 (98.5%) exact matches, in which:  
2072 unique CDR3  
13 unique J



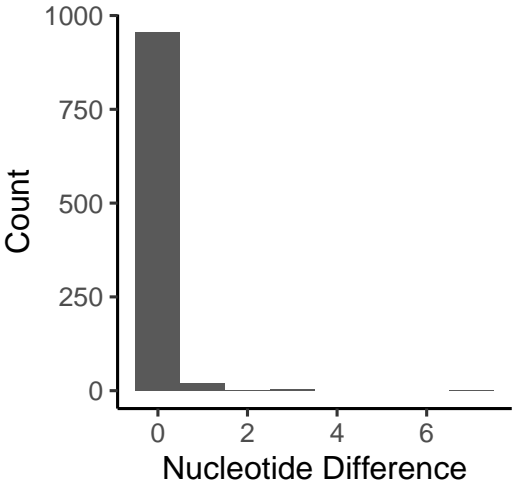
### TRBV9\*ap01

1701 sequences assigned  
1669 (98.1%) exact matches, in which:  
1636 unique CDR3  
13 unique J



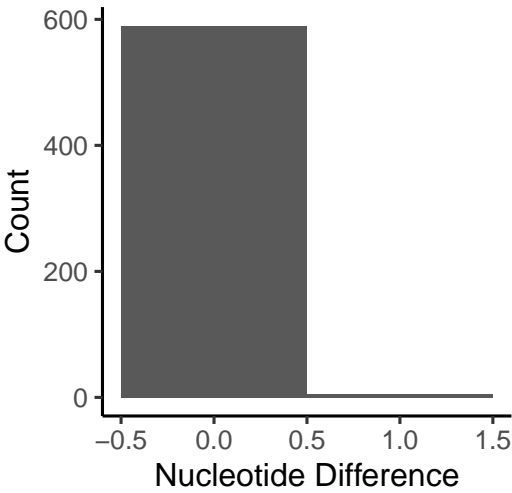
TRBV21-1\*ap01

980 sequences assigned  
955 (97.4%) exact matches, in which:  
937 unique CDR3  
13 unique J



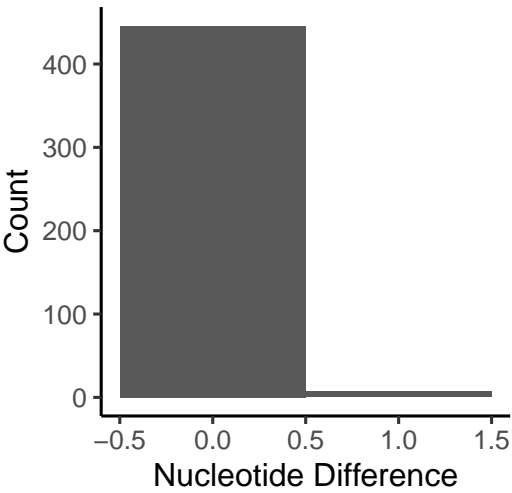
TRBV11-3\*ap01

596 sequences assigned  
590 (99%) exact matches, in which:  
581 unique CDR3  
13 unique J



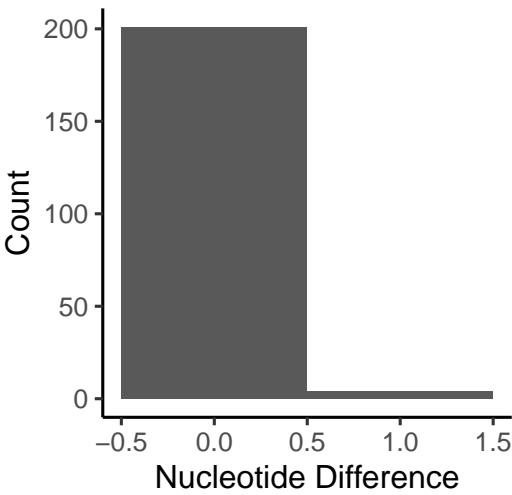
TRBV12-5\*ap01

453 sequences assigned  
446 (98.5%) exact matches, in which:  
435 unique CDR3  
13 unique J



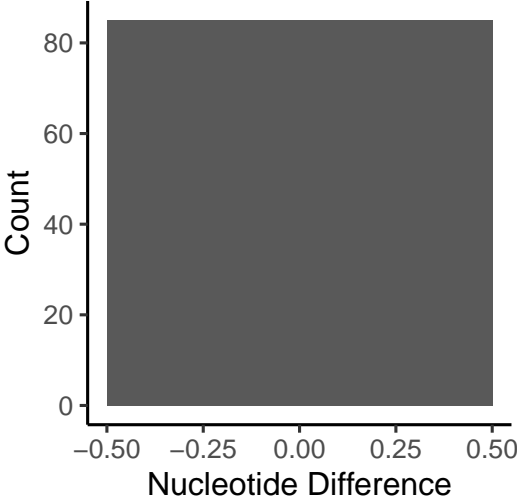
TRBV11-1\*ap01

205 sequences assigned  
201 (98%) exact matches, in which:  
197 unique CDR3  
13 unique J



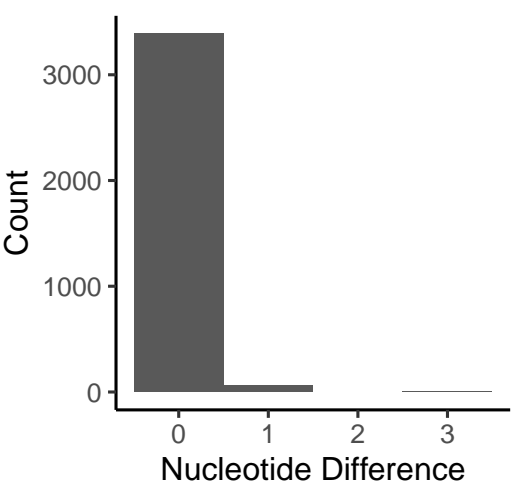
TRBV12-1\*ap01

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



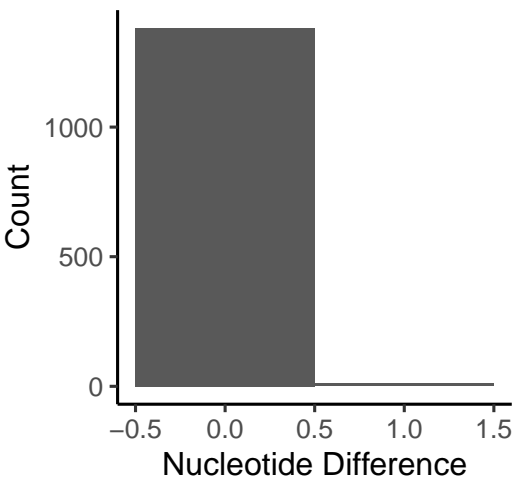
TRBV12-34\*ap01

3447 sequences assigned  
3388 (98.3%) exact matches, in which:  
3311 unique CDR3  
13 unique J



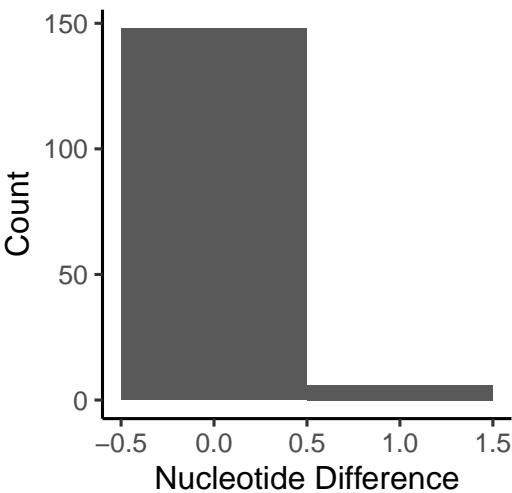
TRBV11-2\*ap01

1393 sequences assigned  
1382 (99.2%) exact matches, in which:  
1358 unique CDR3  
13 unique J



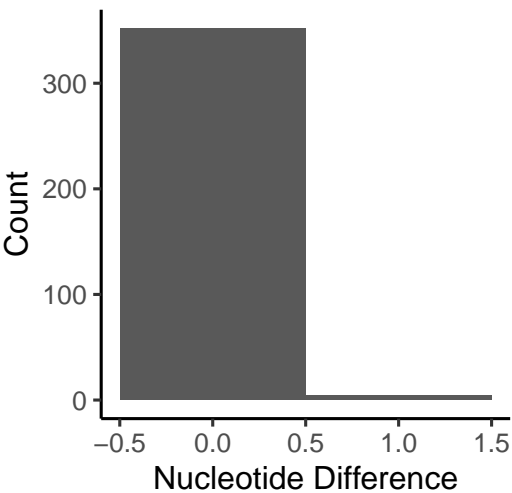
TRBV12-2\*ap01

154 sequences assigned  
148 (96.1%) exact matches, in which:  
143 unique CDR3  
13 unique J



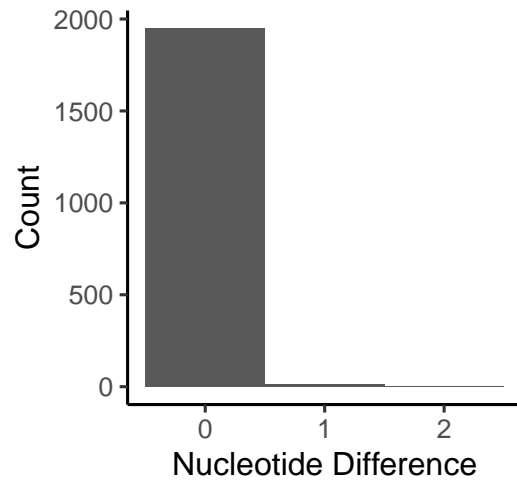
TRBV23-1\*ap01

356 sequences assigned  
352 (98.9%) exact matches, in which:  
346 unique CDR3  
13 unique J



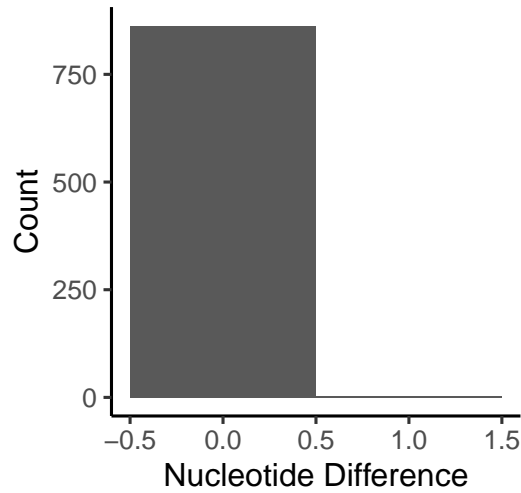
### TRBV3-12\*ap01

1965 sequences assigned  
1949 (99.2%) exact matches, in which:  
1919 unique CDR3  
13 unique J



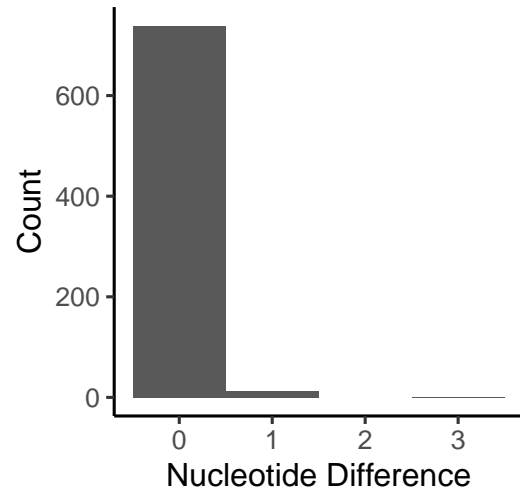
### TRBV4-2\*ap01

866 sequences assigned  
863 (99.7%) exact matches, in which:  
845 unique CDR3  
13 unique J



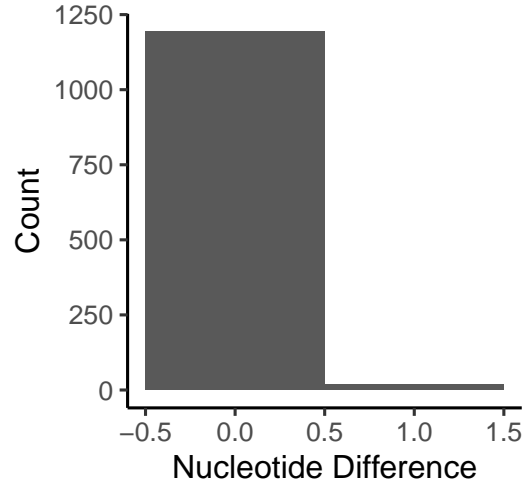
### TRBV25-1\*ap01

752 sequences assigned  
739 (98.3%) exact matches, in which:  
734 unique CDR3  
13 unique J



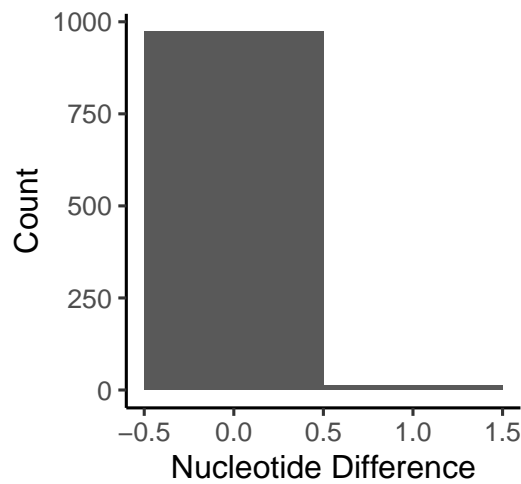
### TRBV24-1\*ap01

1210 sequences assigned  
1193 (98.6%) exact matches, in which:  
1168 unique CDR3  
13 unique J



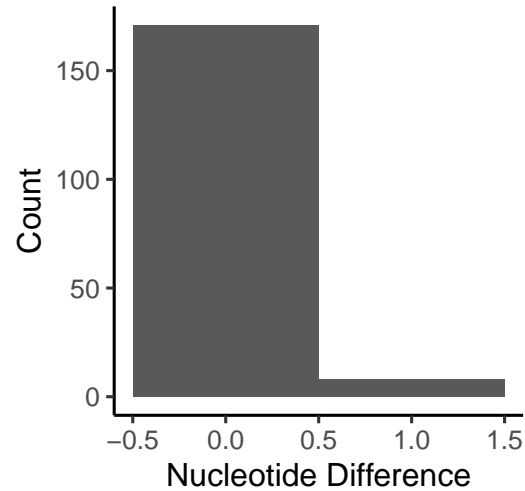
### TRBV4-3\*ap01

984 sequences assigned  
973 (98.9%) exact matches, in which:  
953 unique CDR3  
12 unique J



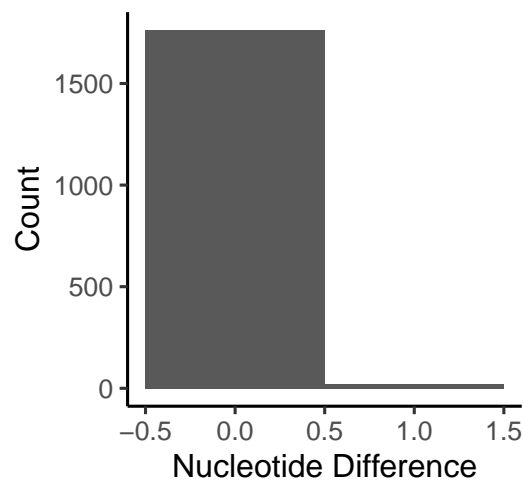
### TRBV5-3\*ap01

179 sequences assigned  
171 (95.5%) exact matches, in which:  
169 unique CDR3  
13 unique J



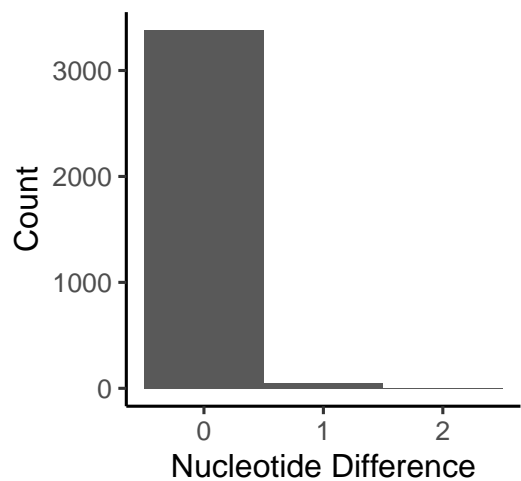
### TRBV4-1\*ap01

1784 sequences assigned  
1763 (98.8%) exact matches, in which:  
1735 unique CDR3  
13 unique J



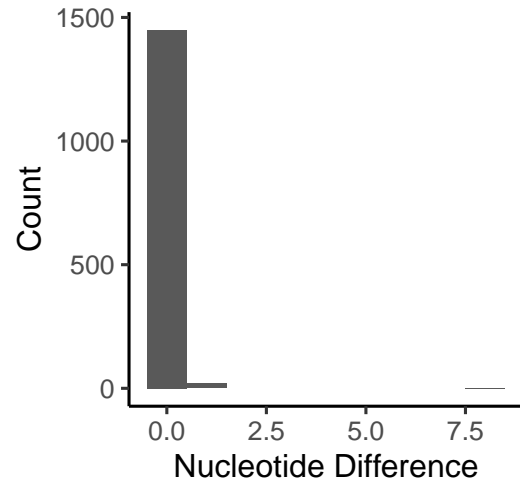
### TRBV5-1\*ap01

3435 sequences assigned  
3382 (98.5%) exact matches, in which:  
3293 unique CDR3  
13 unique J



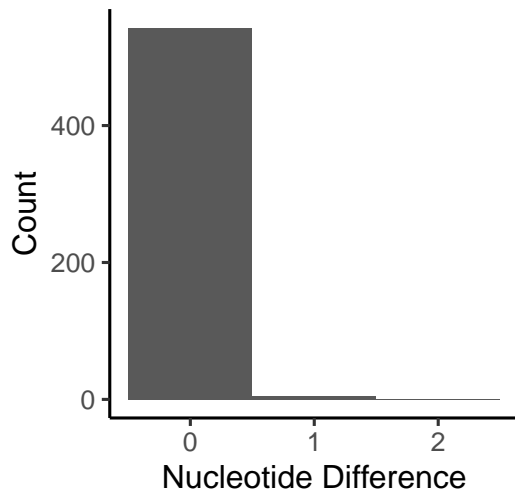
### TRBV5-4\*ap01

1471 sequences assigned  
1449 (98.5%) exact matches, in which:  
1421 unique CDR3  
13 unique J



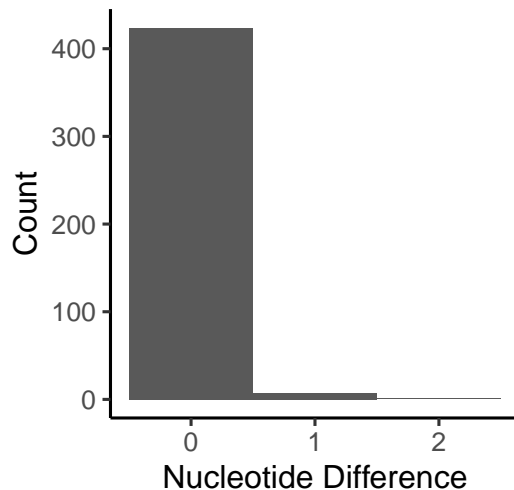
### TRBV5–5\*ap01

549 sequences assigned  
543 (98.9%) exact matches, in which:  
538 unique CDR3  
13 unique J



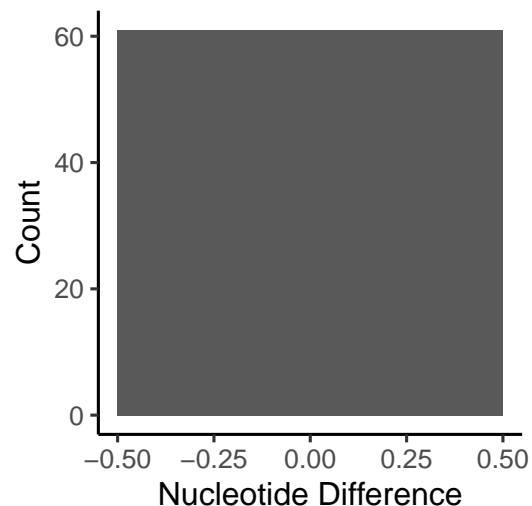
### TRBV5–8\*ap01

432 sequences assigned  
424 (98.1%) exact matches, in which:  
418 unique CDR3  
13 unique J



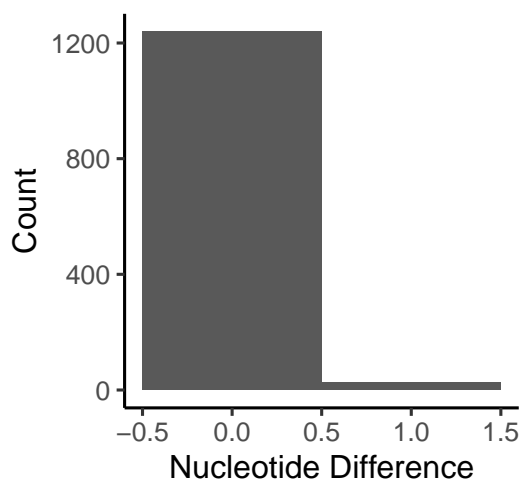
### TRBV6–7\*ap01

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



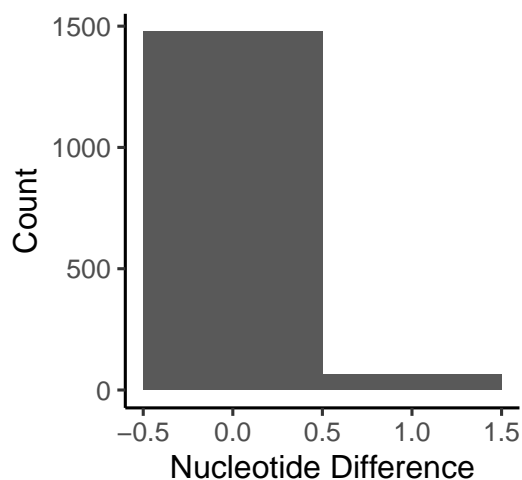
### TRBV5–6\*ap01

1264 sequences assigned  
1239 (98%) exact matches, in which:  
1209 unique CDR3  
13 unique J



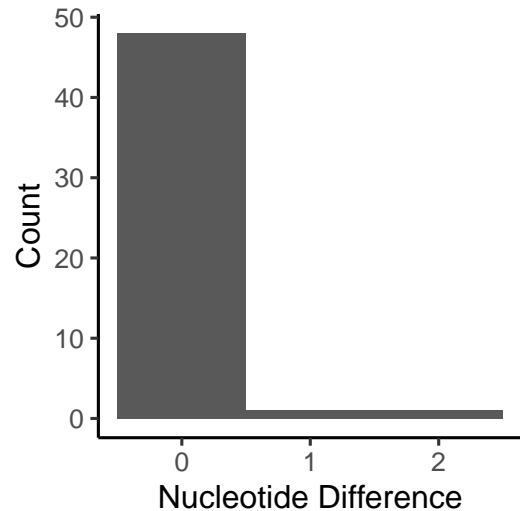
### TRBV6–1\*ap01

1539 sequences assigned  
1477 (96%) exact matches, in which:  
1441 unique CDR3  
13 unique J



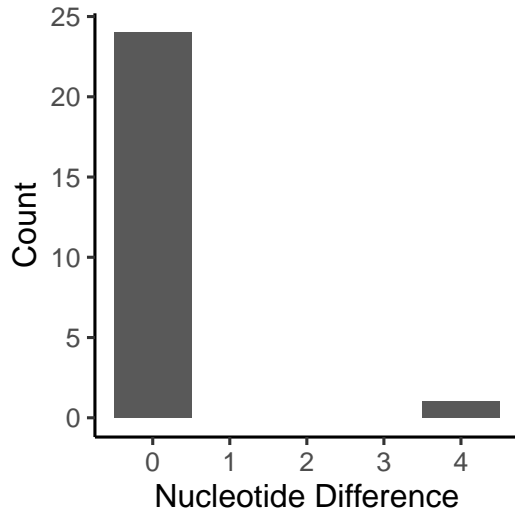
### TRBV6–8\*ap01

50 sequences assigned  
48 (96%) exact matches, in which:  
46 unique CDR3  
12 unique J



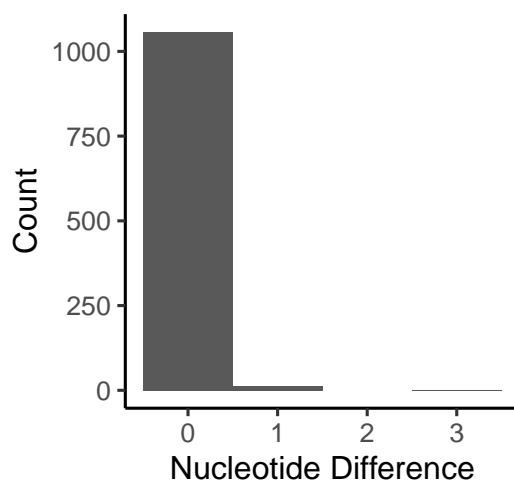
### TRBV5–7\*ap01

25 sequences assigned  
24 (96%) exact matches, in which:  
24 unique CDR3  
10 unique J



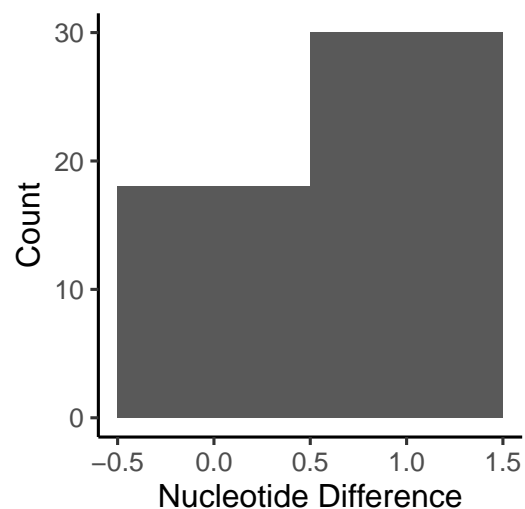
### TRBV6–4\*ap01

1070 sequences assigned  
1057 (98.8%) exact matches, in which:  
1043 unique CDR3  
13 unique J



### TRBV6–9\*ap01

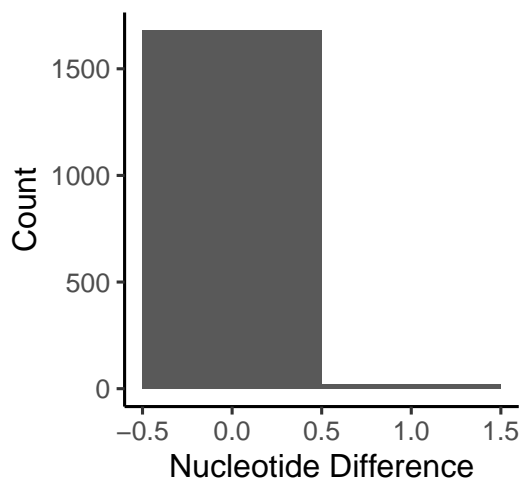
48 sequences assigned  
18 (37.5%) exact matches, in which:  
18 unique CDR3  
7 unique J





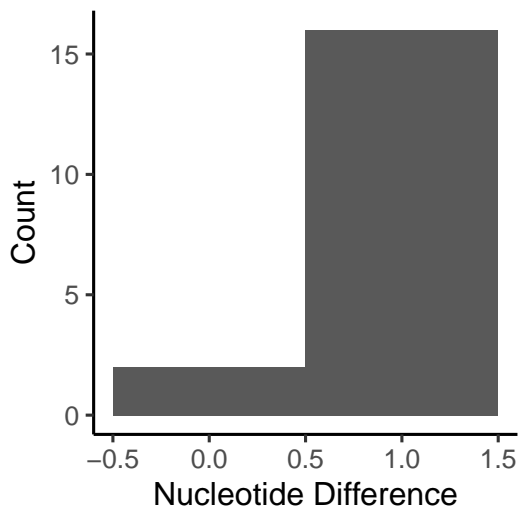
### TRBV6-23\*ap01

1701 sequences assigned  
1680 (98.8%) exact matches, in which:  
1643 unique CDR3  
13 unique J



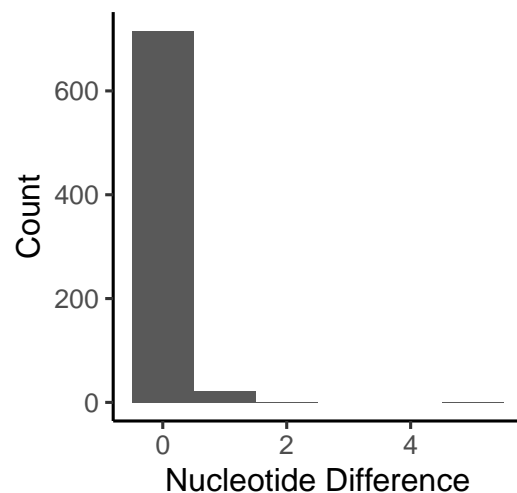
### TRBV7-1\*ap01\_T296C

18 sequences assigned  
2 (11.1%) exact matches, in which:  
2 unique CDR3  
2 unique J



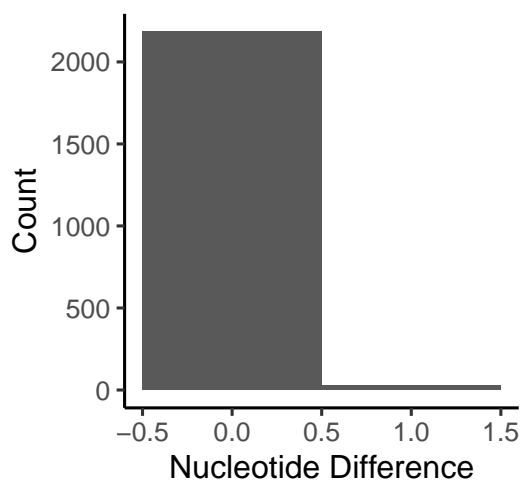
### TRBV7-3\*ap01

740 sequences assigned  
716 (96.8%) exact matches, in which:  
702 unique CDR3  
13 unique J



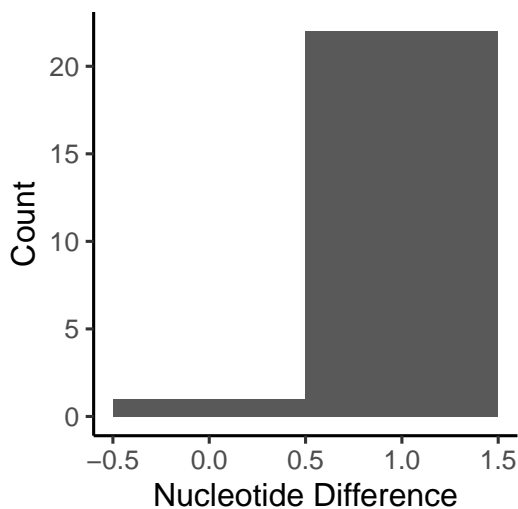
### TRBV6-56\*ap01

2211 sequences assigned  
2184 (98.8%) exact matches, in which:  
2132 unique CDR3  
13 unique J



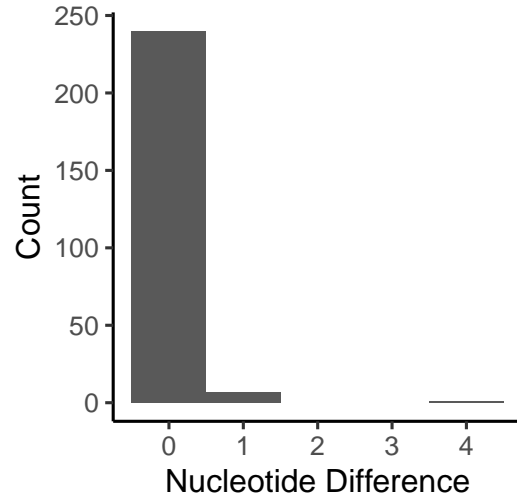
### TRBV7-1\*ap01\_T296C\_C

23 sequences assigned  
1 (4.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



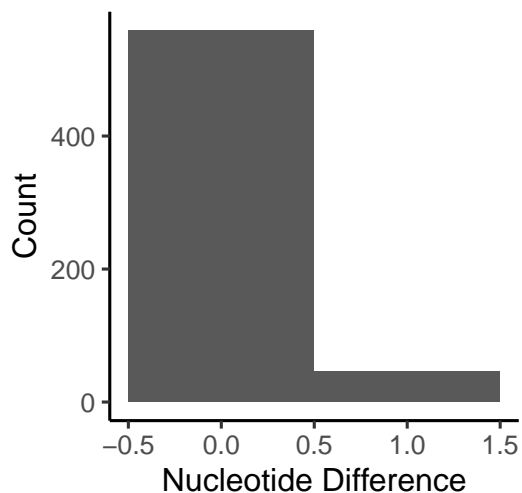
### TRBV7-3\*ap03

248 sequences assigned  
240 (96.8%) exact matches, in which:  
235 unique CDR3  
13 unique J



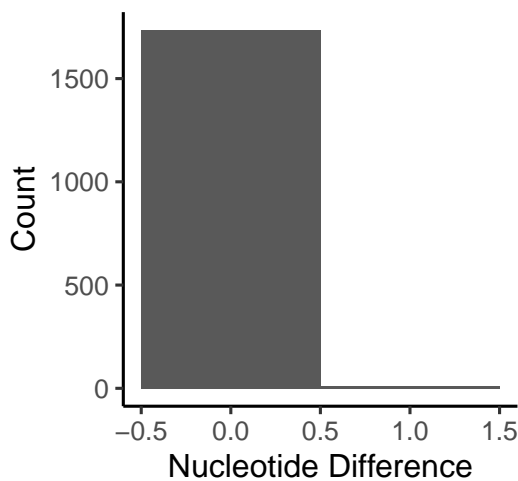
### TRBV6-56\*ap02

605 sequences assigned  
559 (92.4%) exact matches, in which:  
545 unique CDR3  
13 unique J



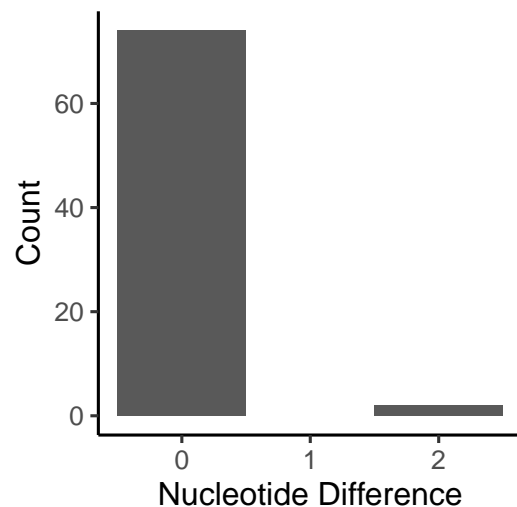
### TRBV7-2\*ap01

1747 sequences assigned  
1735 (99.3%) exact matches, in which:  
1696 unique CDR3  
13 unique J



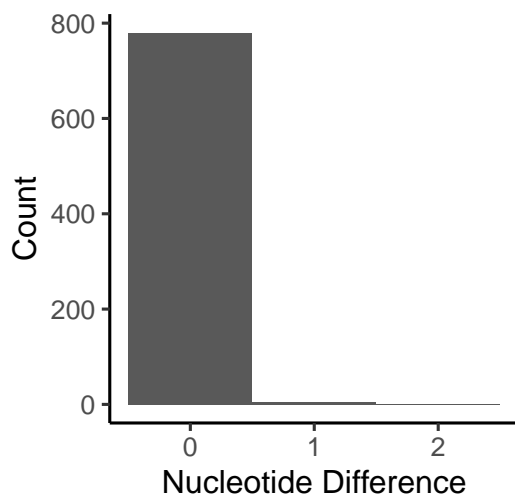
### TRBV7-4\*ap01

76 sequences assigned  
74 (97.4%) exact matches, in which:  
73 unique CDR3  
13 unique J



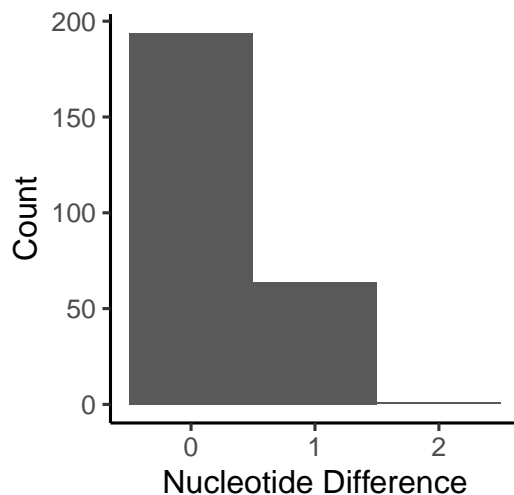
### TRBV7-6\*ap01

786 sequences assigned  
780 (99.2%) exact matches, in which:  
763 unique CDR3  
13 unique J



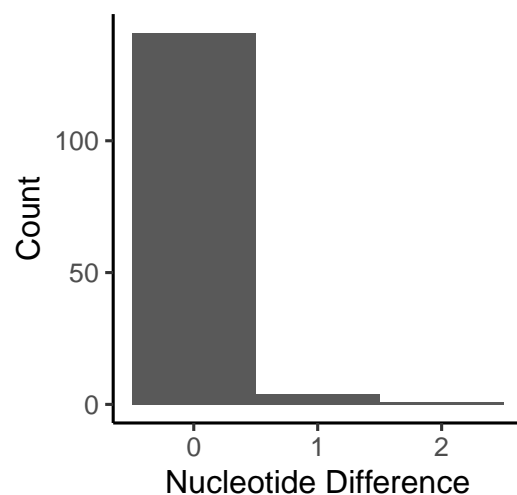
### TRBV7-8\*ap03

259 sequences assigned  
194 (74.9%) exact matches, in which:  
187 unique CDR3  
12 unique J



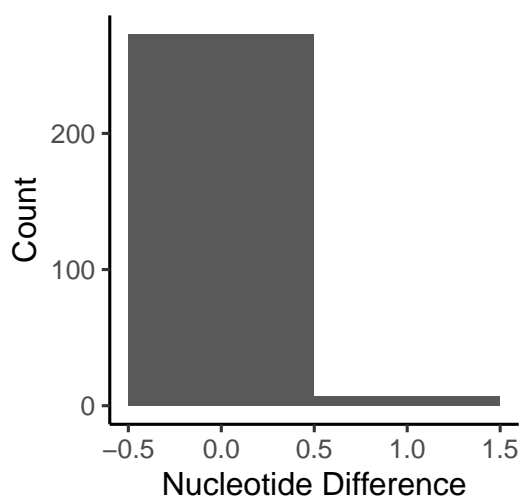
### TRBV29-1\*ap02

146 sequences assigned  
141 (96.6%) exact matches, in which:  
137 unique CDR3  
13 unique J



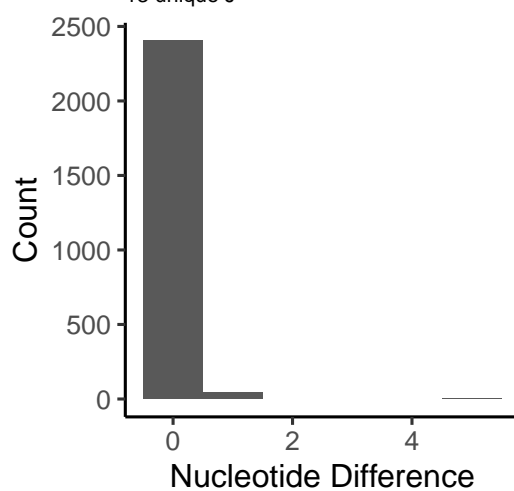
### TRBV7-7\*ap01

280 sequences assigned  
273 (97.5%) exact matches, in which:  
269 unique CDR3  
13 unique J



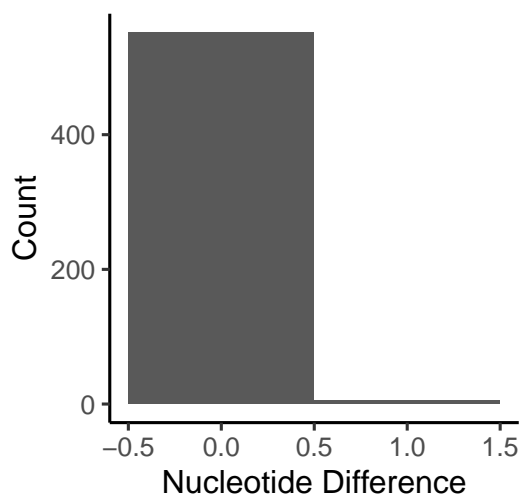
### TRBV7-9\*ap01

2447 sequences assigned  
2404 (98.2%) exact matches, in which:  
2357 unique CDR3  
13 unique J



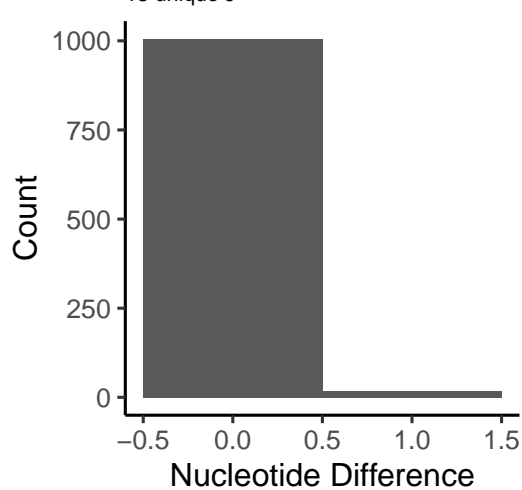
### TRBV7-8\*ap01

557 sequences assigned  
552 (99.1%) exact matches, in which:  
538 unique CDR3  
13 unique J

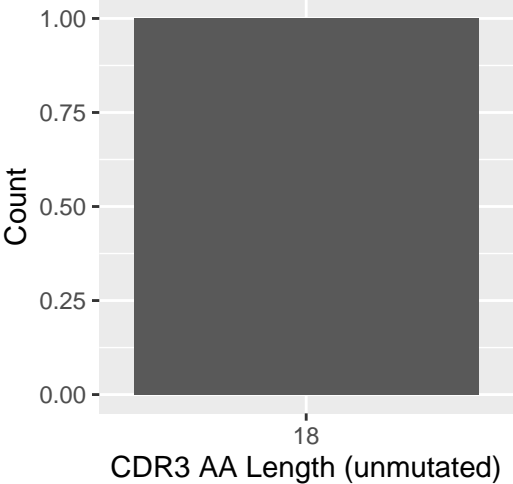


### TRBV29-1\*ap01

1023 sequences assigned  
1005 (98.2%) exact matches, in which:  
975 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C\_C314T



TRBV7-1\*ap01\_T296C

