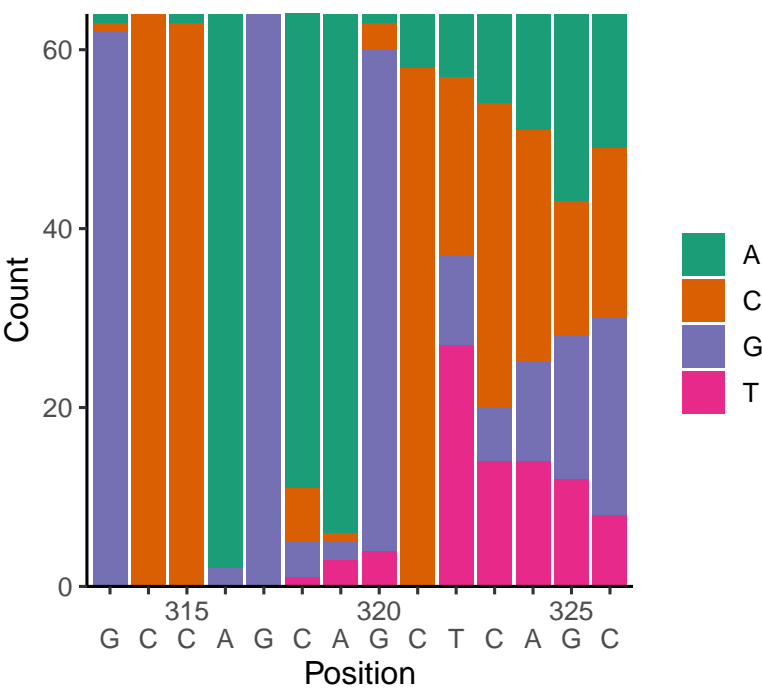
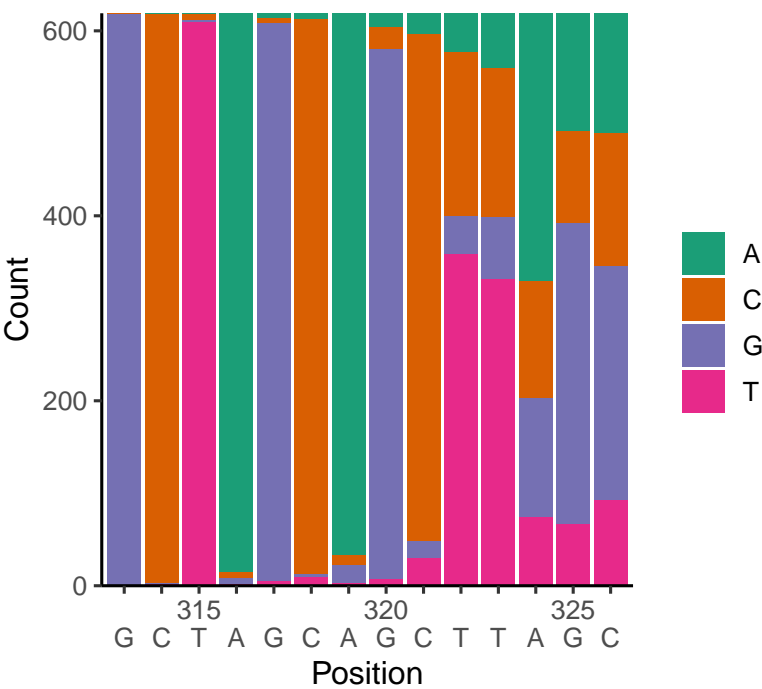


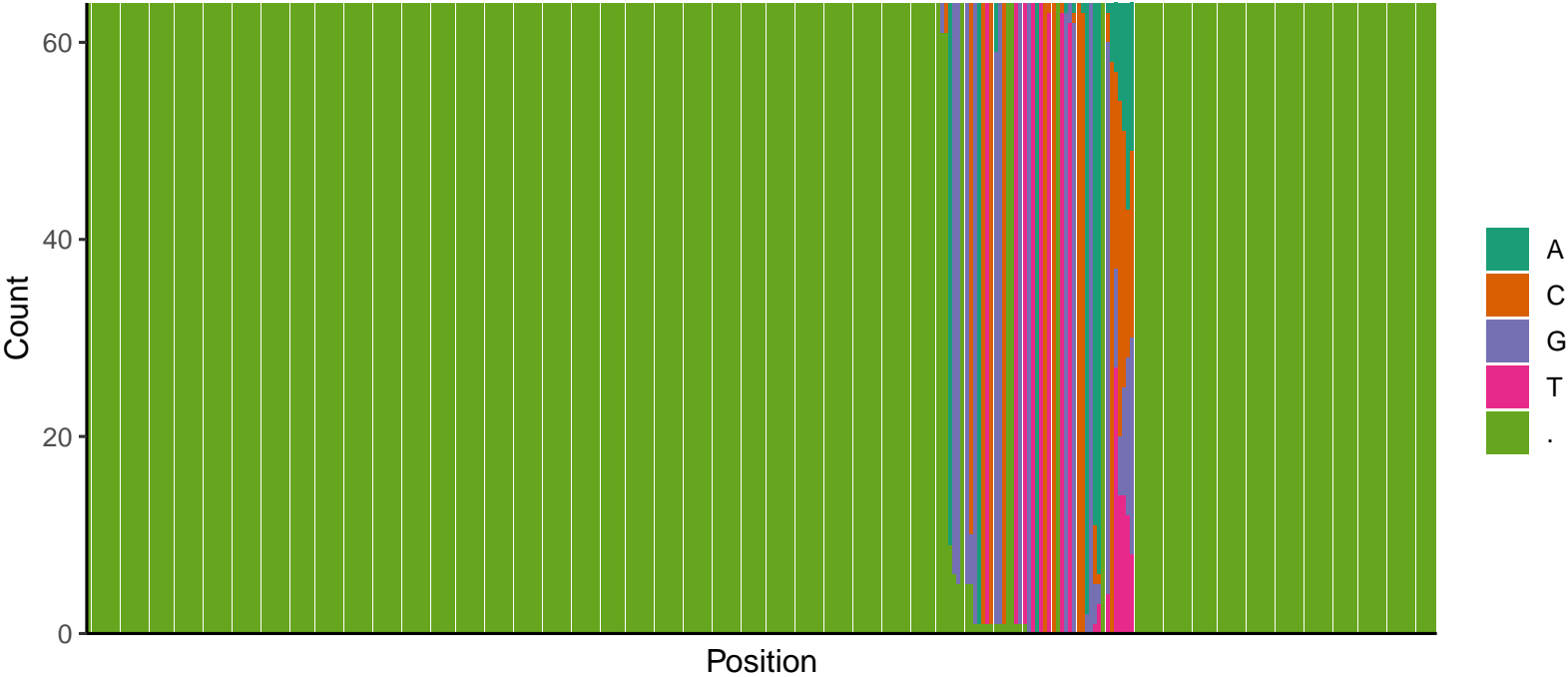
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



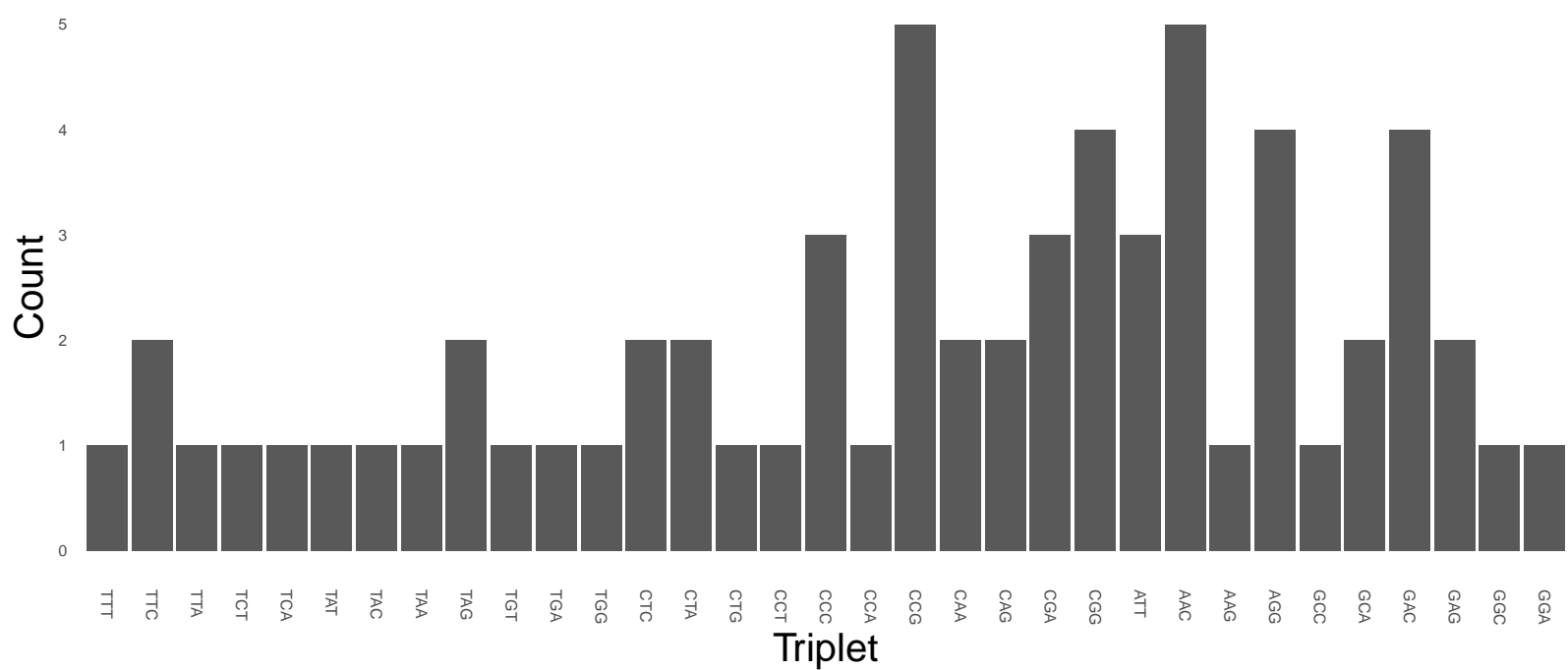
Gene TRBV7-1\*ap01\_T296C



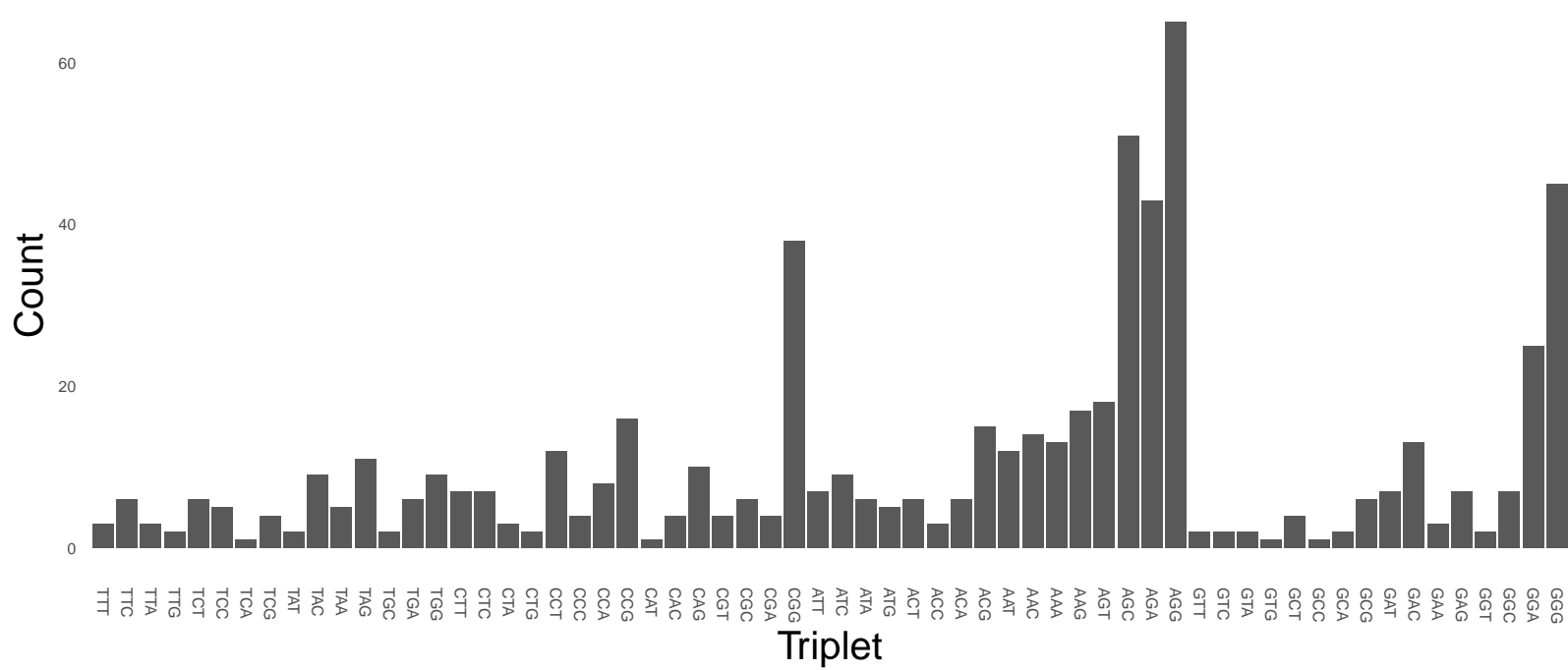
Gene TRBV7-7\*ap01\_C315T



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

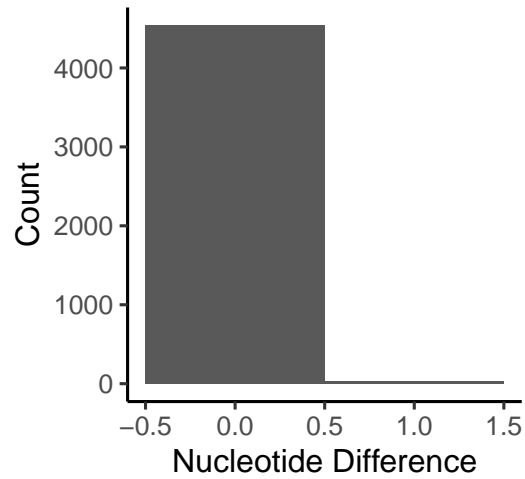


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



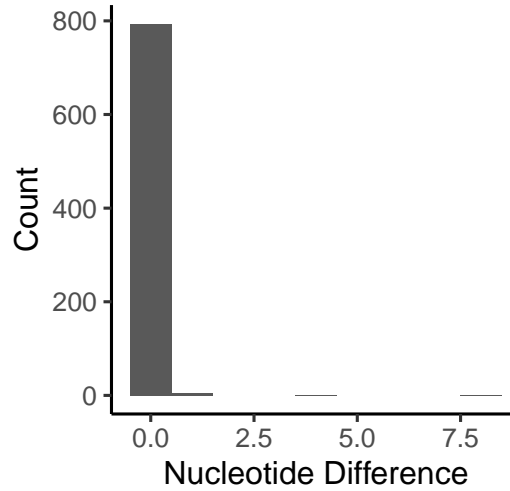
### TRBV20–1\*ap01

4567 sequences assigned  
4539 (99.4%) exact matches, in which:  
4494 unique CDR3  
14 unique J



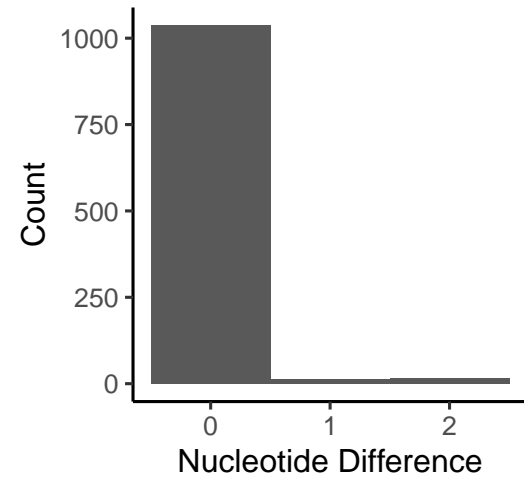
### TRBV10–2\*ap01

802 sequences assigned  
794 (99%) exact matches, in which:  
778 unique CDR3  
14 unique J



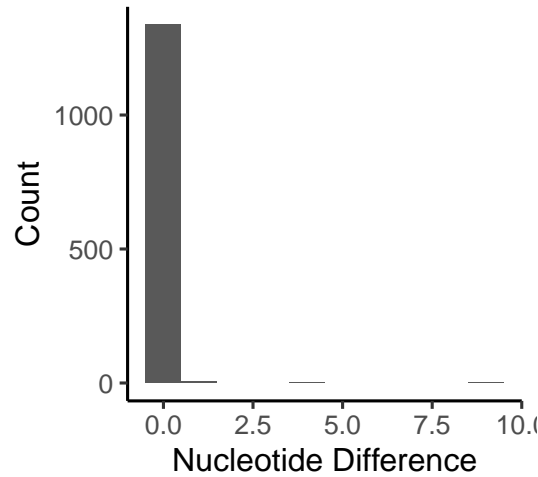
### TRBV13\*ap01

1067 sequences assigned  
1037 (97.2%) exact matches, in which:  
1016 unique CDR3  
14 unique J



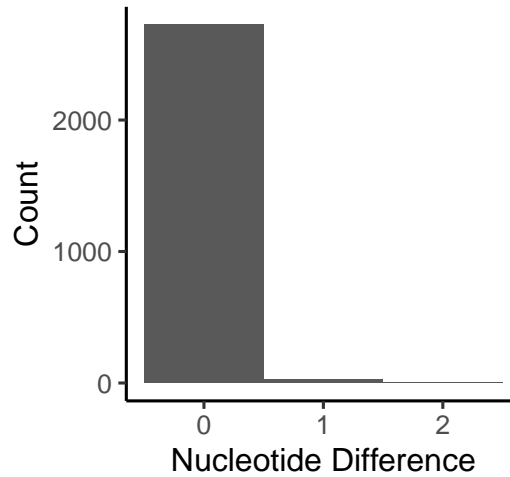
### TRBV10–1\*ap01

1344 sequences assigned  
1337 (99.5%) exact matches, in which:  
1293 unique CDR3  
14 unique J



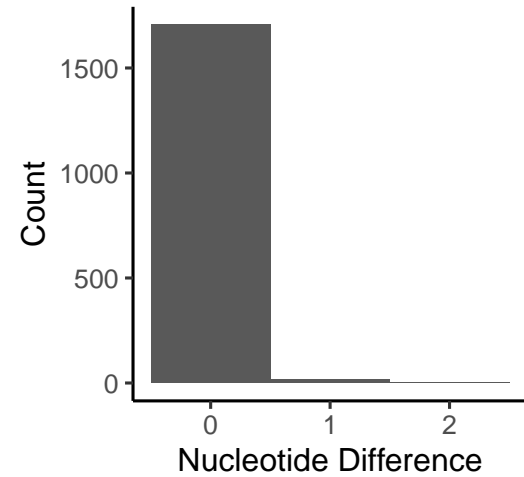
### TRBV10–3\*ap01

2754 sequences assigned  
2725 (98.9%) exact matches, in which:  
2681 unique CDR3  
14 unique J



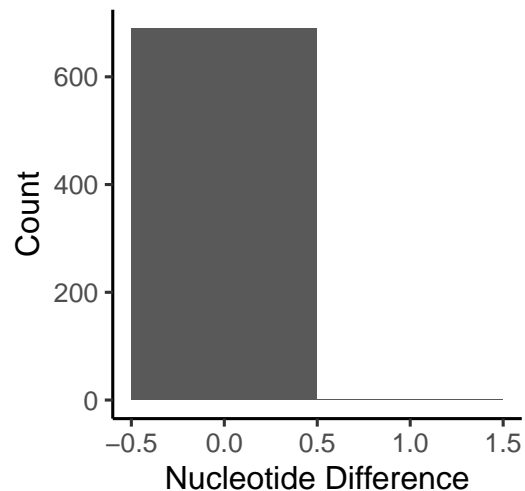
### TRBV14\*ap01

1723 sequences assigned  
1706 (99%) exact matches, in which:  
1687 unique CDR3  
14 unique J



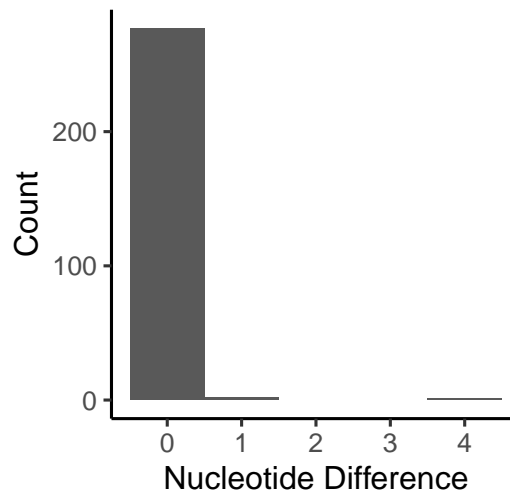
### TRBV20–1\*ap02

691 sequences assigned  
690 (99.9%) exact matches, in which:  
683 unique CDR3  
14 unique J



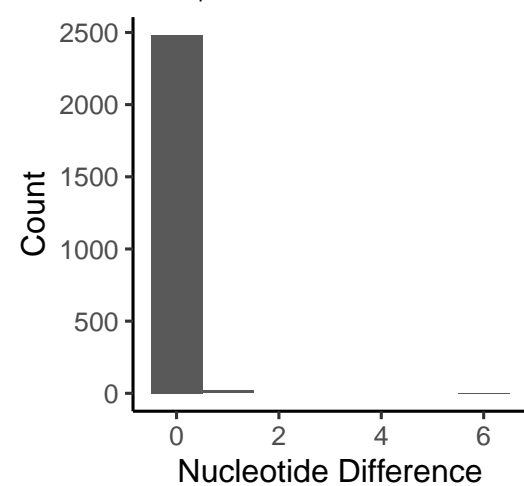
### TRBV1\*ap01

280 sequences assigned  
277 (98.9%) exact matches, in which:  
263 unique CDR3  
14 unique J



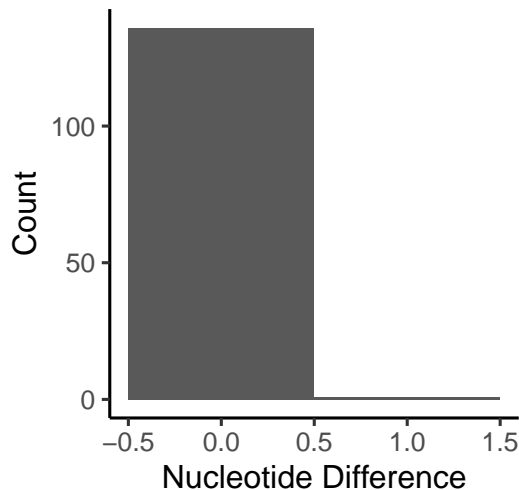
### TRBV15\*ap02

2503 sequences assigned  
2482 (99.2%) exact matches, in which:  
2433 unique CDR3  
14 unique J



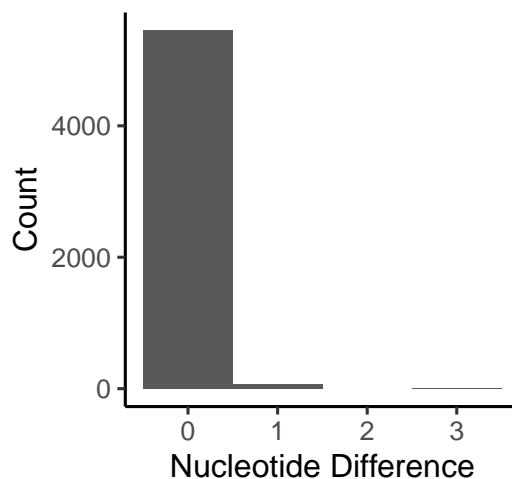
### TRBV16\*ap01

137 sequences assigned  
136 (99.3%) exact matches, in which:  
136 unique CDR3  
14 unique J



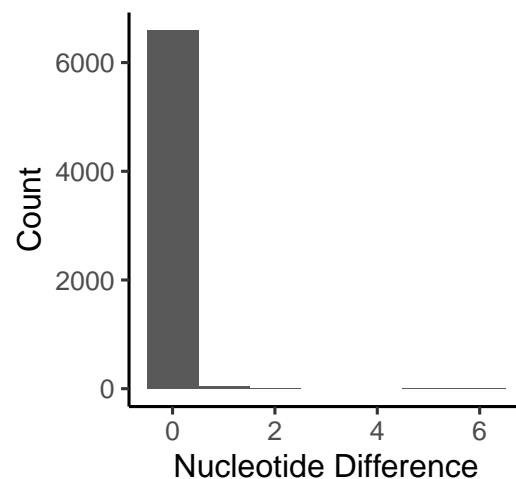
### TRBV2\*ap01

5518 sequences assigned  
5452 (98.8%) exact matches, in which:  
5345 unique CDR3  
14 unique J



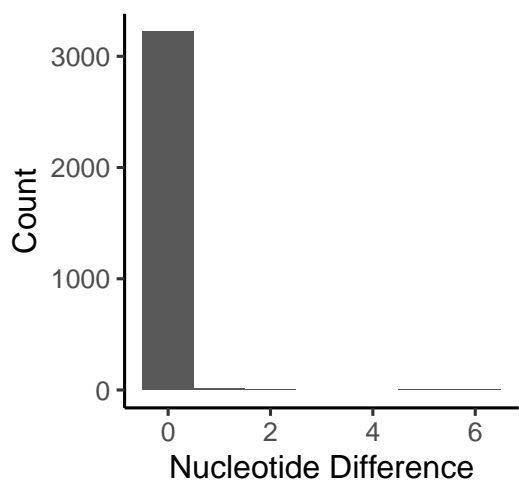
### TRBV28\*ap01

6638 sequences assigned  
6592 (99.3%) exact matches, in which:  
6511 unique CDR3  
14 unique J



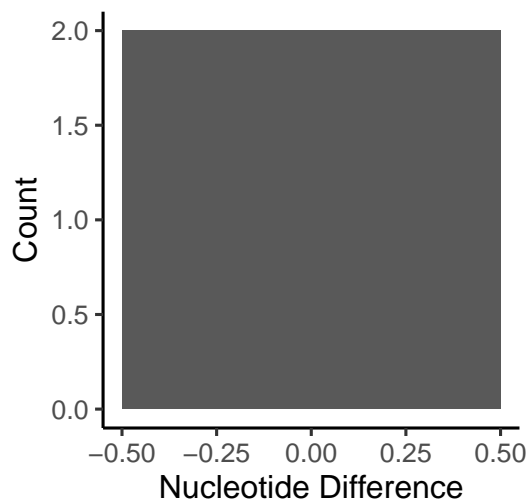
### TRBV18\*ap01

3241 sequences assigned  
3221 (99.4%) exact matches, in which:  
3196 unique CDR3  
14 unique J



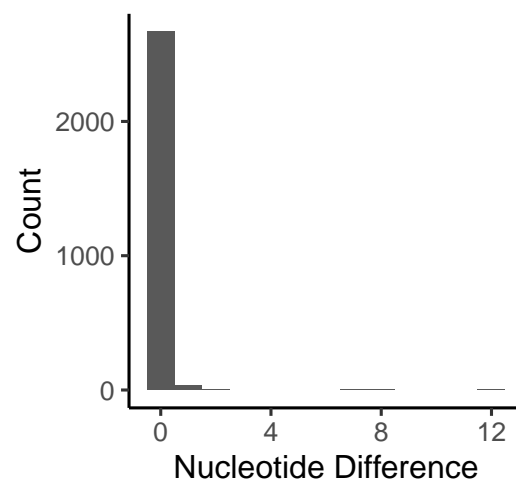
### TRBV26\*ap01

2 sequences assigned  
2 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



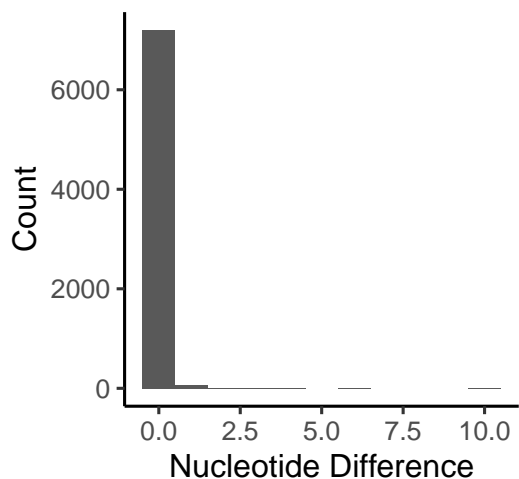
### TRBV30\*ap02

2711 sequences assigned  
2668 (98.4%) exact matches, in which:  
2612 unique CDR3  
14 unique J



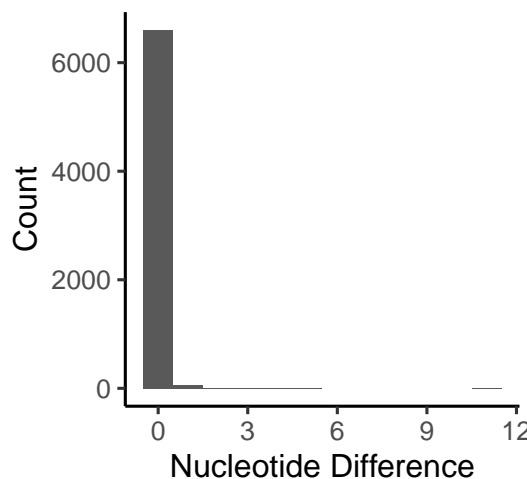
### TRBV19\*ap01

7270 sequences assigned  
7200 (99%) exact matches, in which:  
7152 unique CDR3  
14 unique J



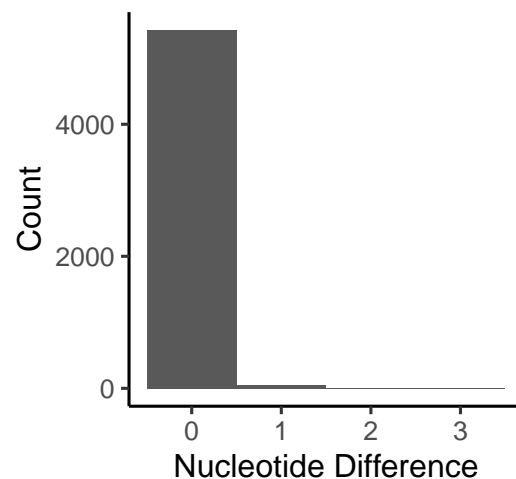
### TRBV27\*ap01

6671 sequences assigned  
6601 (99%) exact matches, in which:  
6497 unique CDR3  
14 unique J



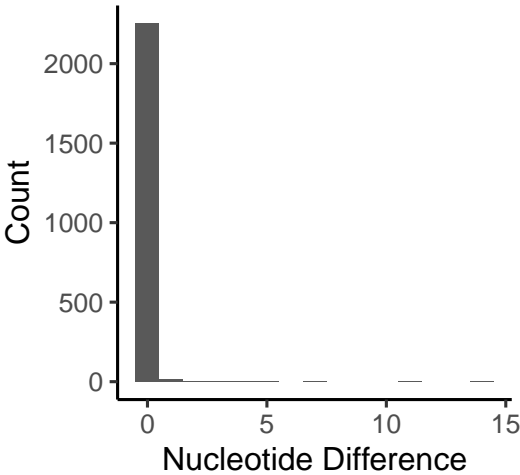
### TRBV9\*ap01

5475 sequences assigned  
5427 (99.1%) exact matches, in which:  
5382 unique CDR3  
14 unique J



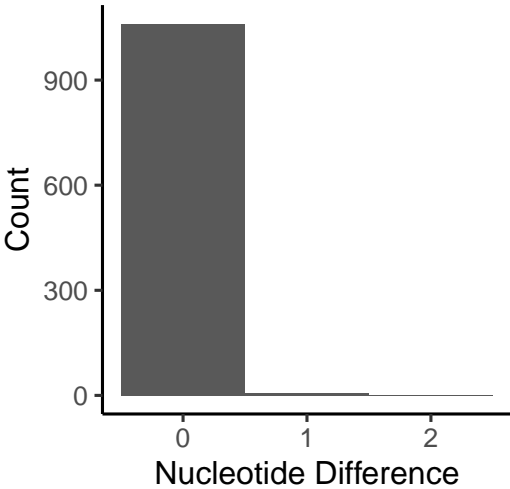
TRBV21-1\*ap01

2278 sequences assigned  
2253 (98.9%) exact matches, in which:  
2226 unique CDR3  
14 unique J



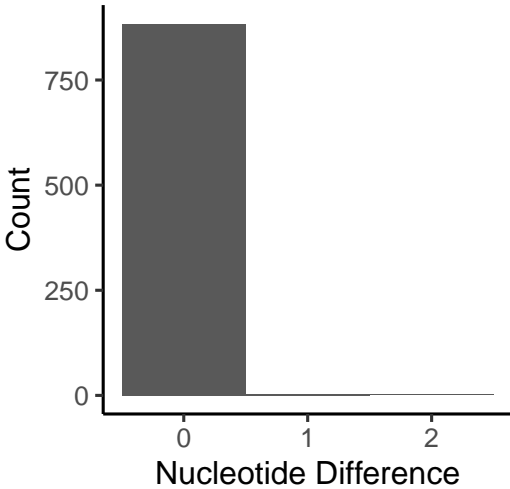
TRBV11-3\*ap01

1068 sequences assigned  
1061 (99.3%) exact matches, in which:  
1056 unique CDR3  
14 unique J



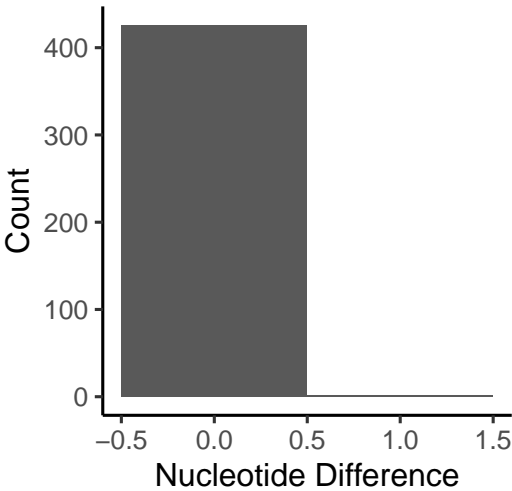
TRBV12-5\*ap01

889 sequences assigned  
884 (99.4%) exact matches, in which:  
878 unique CDR3  
14 unique J



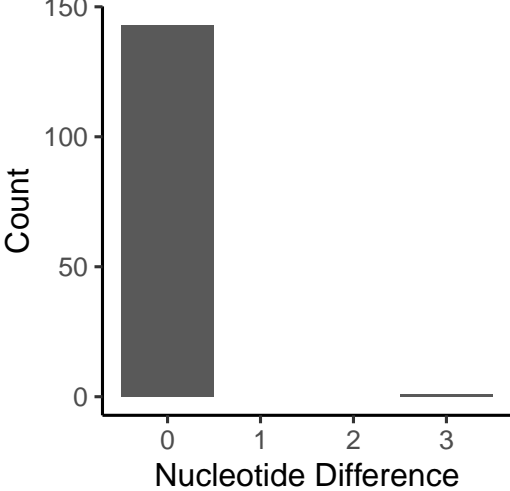
TRBV11-1\*ap01

428 sequences assigned  
426 (99.5%) exact matches, in which:  
425 unique CDR3  
14 unique J



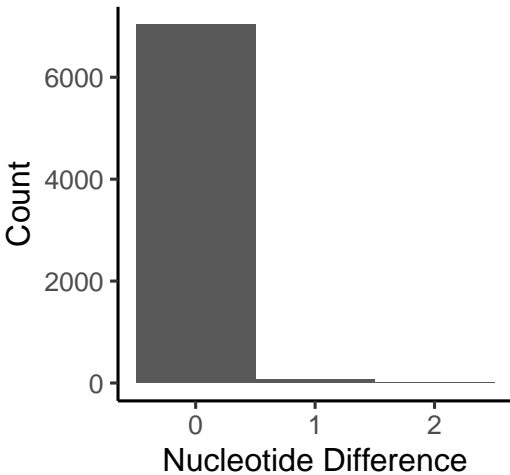
TRBV12-1\*ap01

144 sequences assigned  
143 (99.3%) exact matches, in which:  
142 unique CDR3  
14 unique J



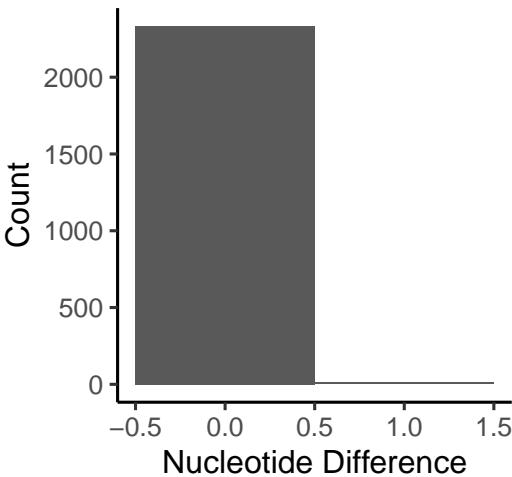
TRBV12-34\*ap01

7093 sequences assigned  
7031 (99.1%) exact matches, in which:  
6919 unique CDR3  
14 unique J



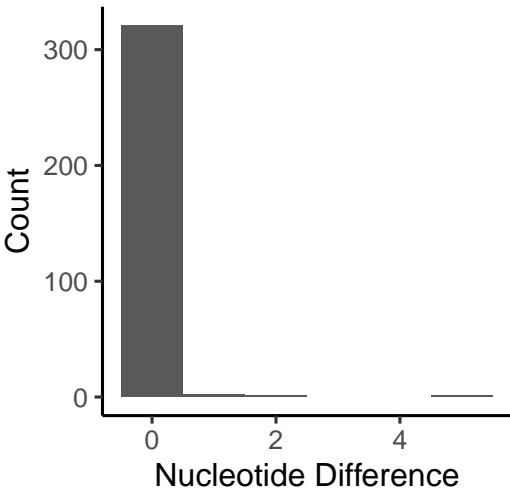
TRBV11-2\*ap01

2344 sequences assigned  
2333 (99.5%) exact matches, in which:  
2315 unique CDR3  
14 unique J



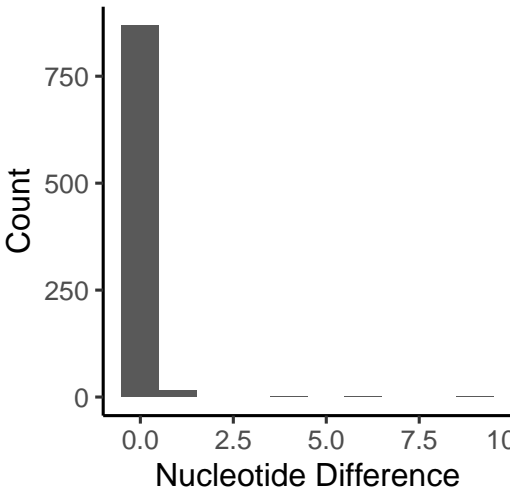
TRBV12-2\*ap01

325 sequences assigned  
321 (98.8%) exact matches, in which:  
315 unique CDR3  
14 unique J



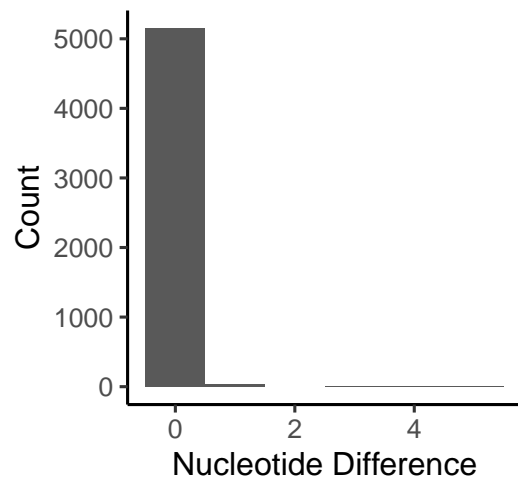
TRBV23-1\*ap01

888 sequences assigned  
869 (97.9%) exact matches, in which:  
855 unique CDR3  
14 unique J



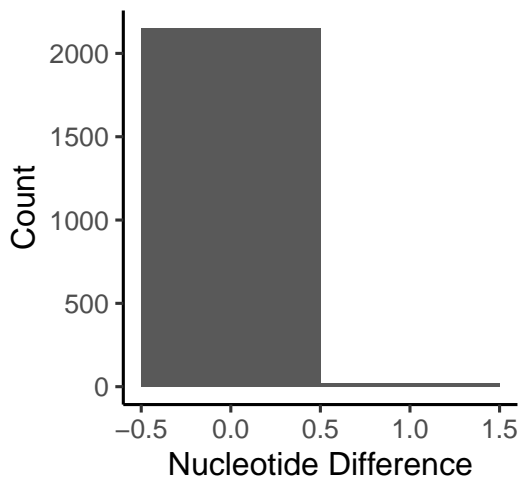
### TRBV3-12\*ap01

5186 sequences assigned  
5149 (99.3%) exact matches, in which:  
5099 unique CDR3  
14 unique J



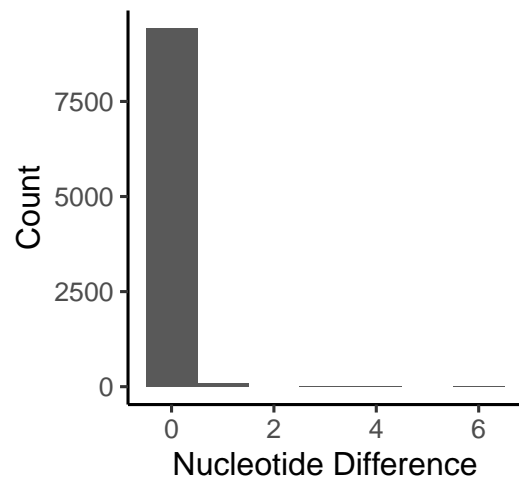
### TRBV4-2\*ap01

2174 sequences assigned  
2150 (98.9%) exact matches, in which:  
2119 unique CDR3  
14 unique J



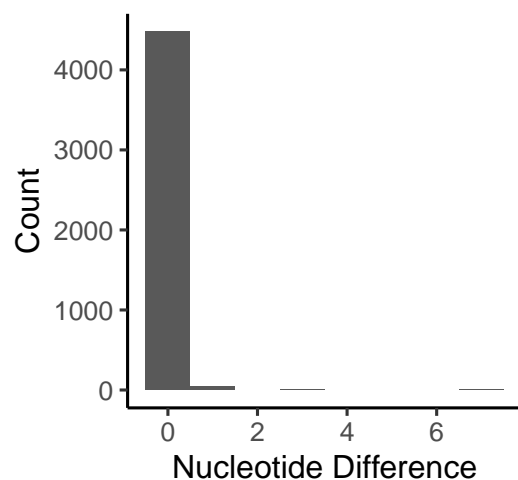
### TRBV5-1\*ap01

9522 sequences assigned  
9421 (98.9%) exact matches, in which:  
9245 unique CDR3  
14 unique J



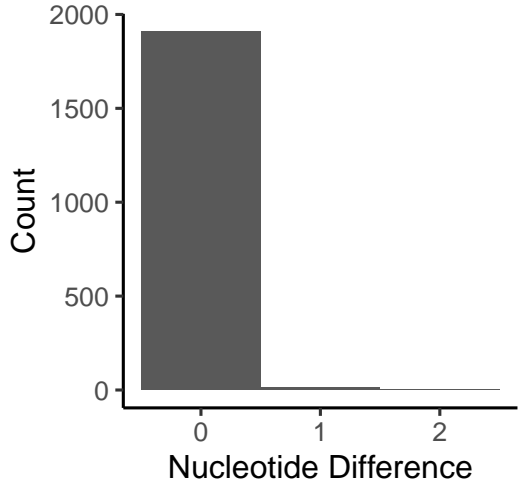
### TRBV4-1\*ap01

4525 sequences assigned  
4477 (98.9%) exact matches, in which:  
4392 unique CDR3  
14 unique J



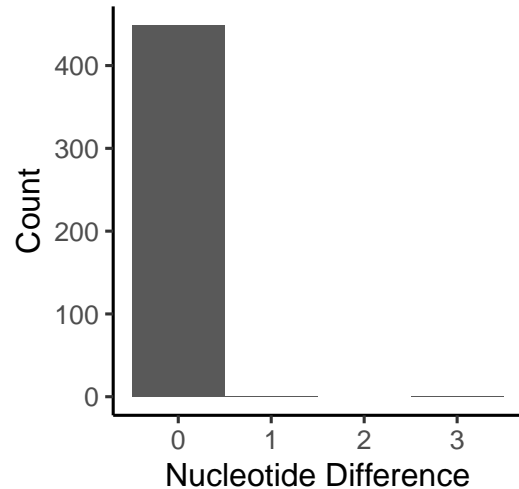
### TRBV4-3\*ap01

1922 sequences assigned  
1908 (99.3%) exact matches, in which:  
1888 unique CDR3  
14 unique J



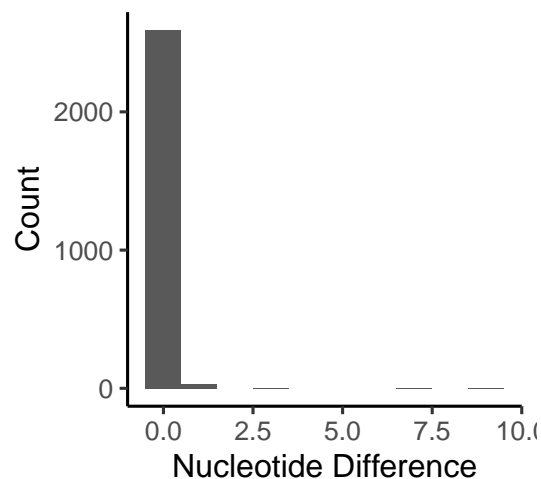
### TRBV5-3\*ap01

451 sequences assigned  
449 (99.6%) exact matches, in which:  
445 unique CDR3  
14 unique J



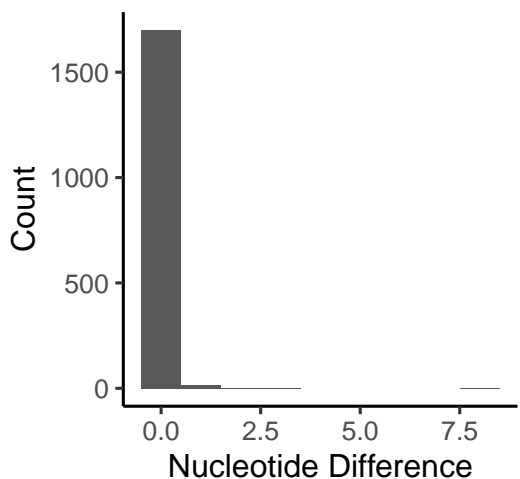
### TRBV24-1\*ap01

2626 sequences assigned  
2592 (98.7%) exact matches, in which:  
2534 unique CDR3  
14 unique J



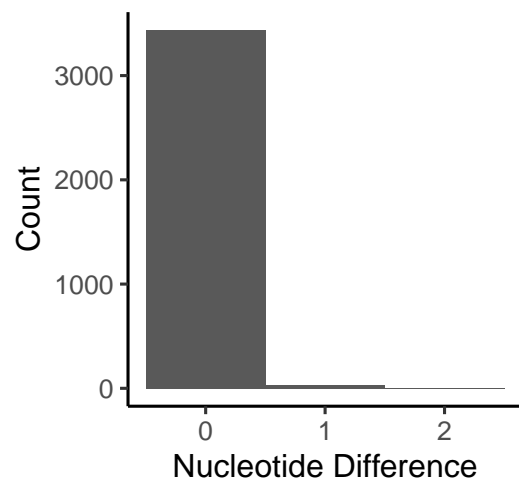
### TRBV25-1\*ap01

1721 sequences assigned  
1700 (98.8%) exact matches, in which:  
1642 unique CDR3  
14 unique J



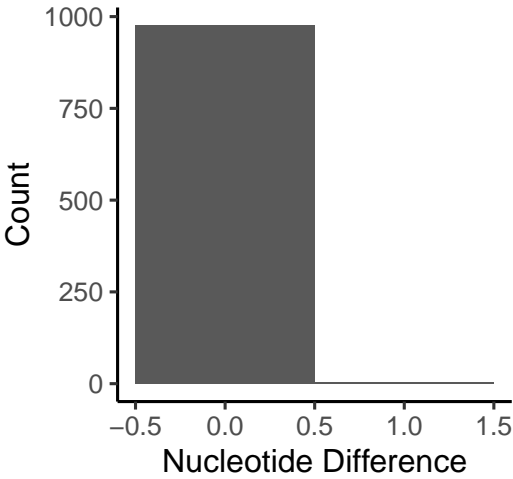
### TRBV5-4\*ap01

3467 sequences assigned  
3437 (99.1%) exact matches, in which:  
3374 unique CDR3  
14 unique J



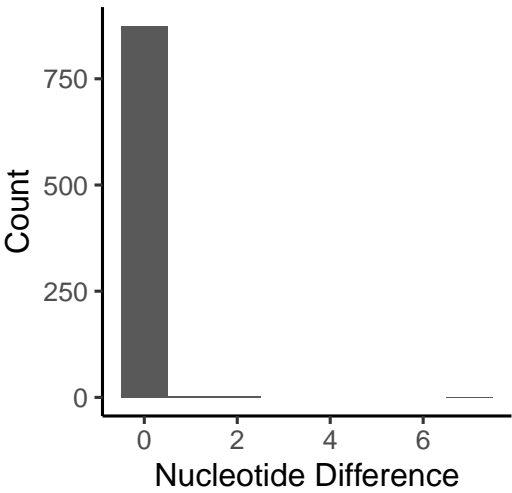
TRBV5-5\*ap01

979 sequences assigned  
976 (99.7%) exact matches, in which:  
966 unique CDR3  
14 unique J



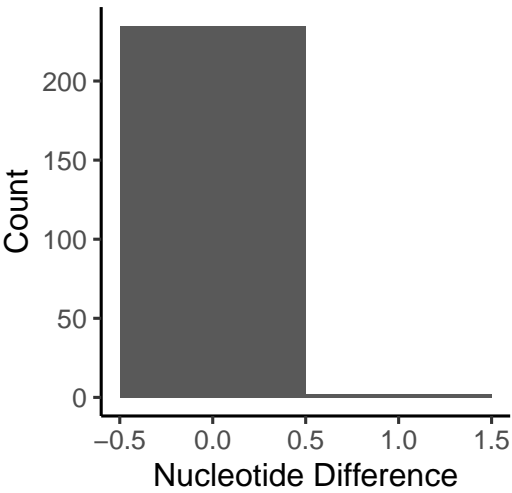
TRBV5-8\*ap01

883 sequences assigned  
875 (99.1%) exact matches, in which:  
861 unique CDR3  
14 unique J



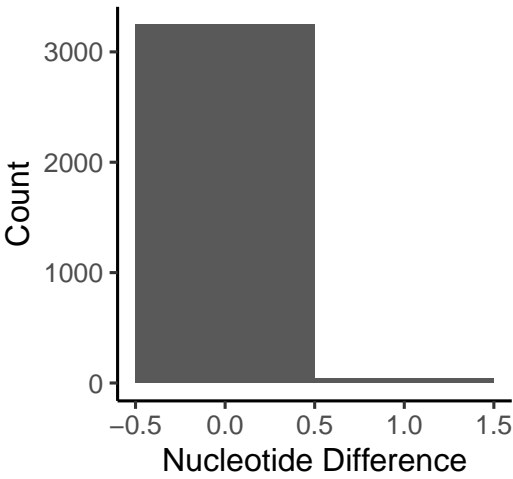
TRBV6-7\*ap01

237 sequences assigned  
235 (99.2%) exact matches, in which:  
228 unique CDR3  
14 unique J



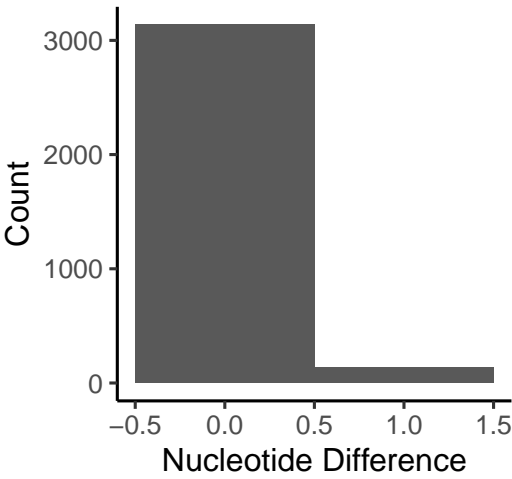
TRBV5-6\*ap01

3289 sequences assigned  
3246 (98.7%) exact matches, in which:  
3154 unique CDR3  
14 unique J



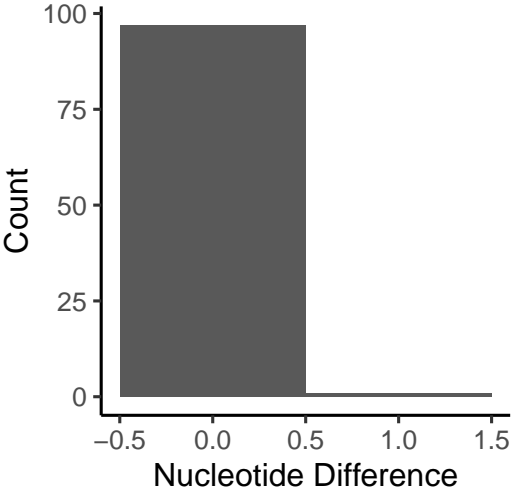
TRBV6-1\*ap01

3273 sequences assigned  
3137 (95.8%) exact matches, in which:  
3068 unique CDR3  
14 unique J



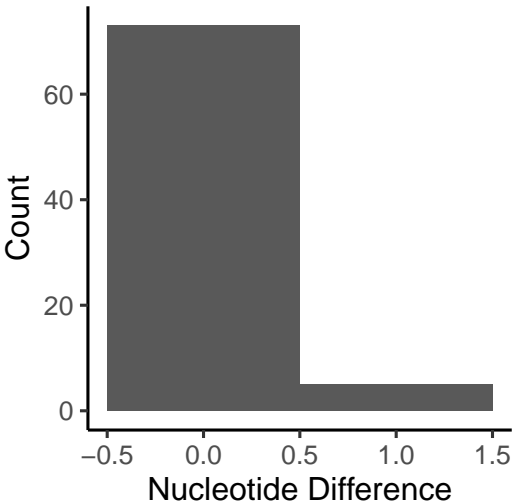
TRBV6-8\*ap01

98 sequences assigned  
97 (99%) exact matches, in which:  
94 unique CDR3  
14 unique J



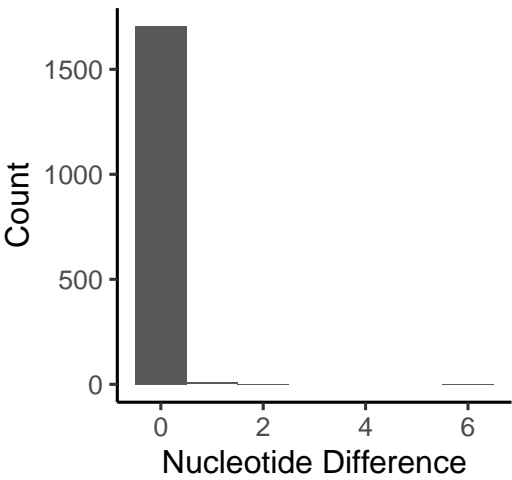
TRBV5-7\*ap01

78 sequences assigned  
73 (93.6%) exact matches, in which:  
70 unique CDR3  
14 unique J



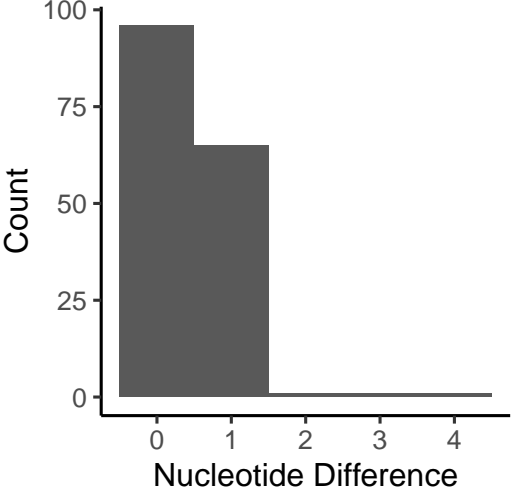
TRBV6-4\*ap01

1718 sequences assigned  
1706 (99.3%) exact matches, in which:  
1678 unique CDR3  
14 unique J



TRBV6-9\*ap01

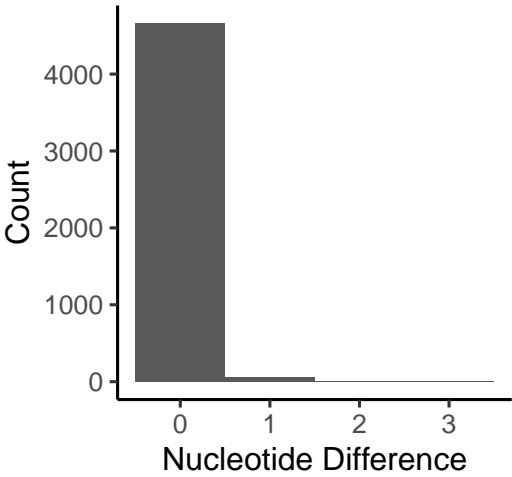
164 sequences assigned  
96 (58.5%) exact matches, in which:  
92 unique CDR3  
14 unique J





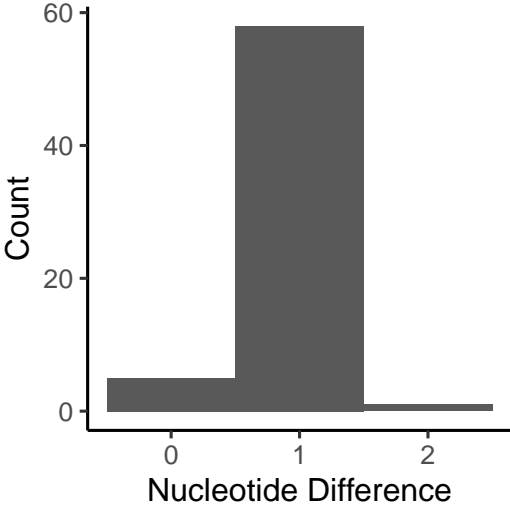
TRBV6-23\*ap01

4717 sequences assigned  
4659 (98.8%) exact matches, in which:  
4531 unique CDR3  
14 unique J



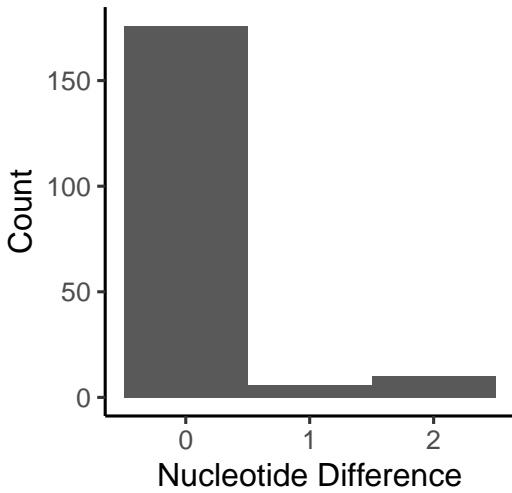
TRBV7-1\*ap01\_T296C

64 sequences assigned  
5 (7.8%) exact matches, in which:  
5 unique CDR3  
4 unique J



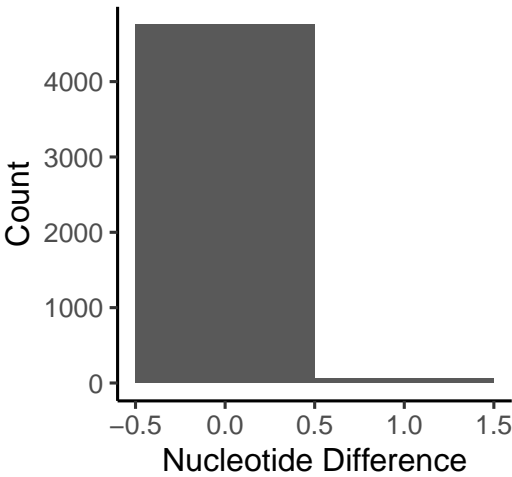
TRBV7-4\*ap01

192 sequences assigned  
176 (91.7%) exact matches, in which:  
174 unique CDR3  
14 unique J



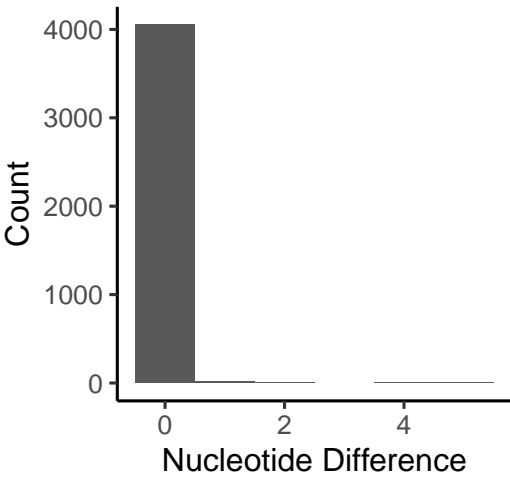
TRBV6-56\*ap01

4810 sequences assigned  
4755 (98.9%) exact matches, in which:  
4638 unique CDR3  
14 unique J



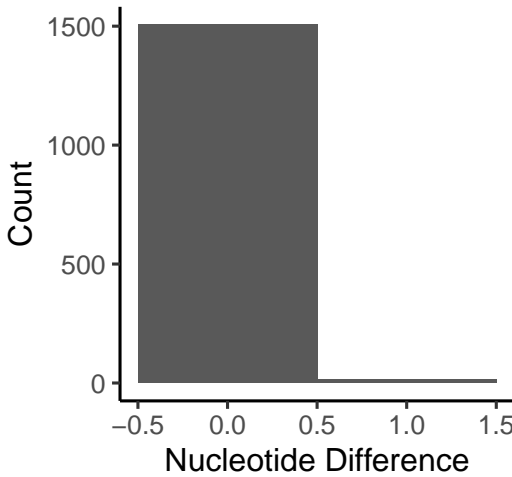
TRBV7-2\*ap01

4077 sequences assigned  
4053 (99.4%) exact matches, in which:  
4014 unique CDR3  
14 unique J



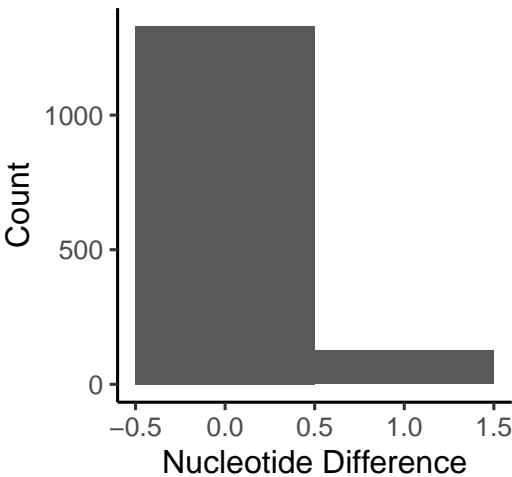
TRBV7-6\*ap01

1521 sequences assigned  
1506 (99%) exact matches, in which:  
1487 unique CDR3  
14 unique J



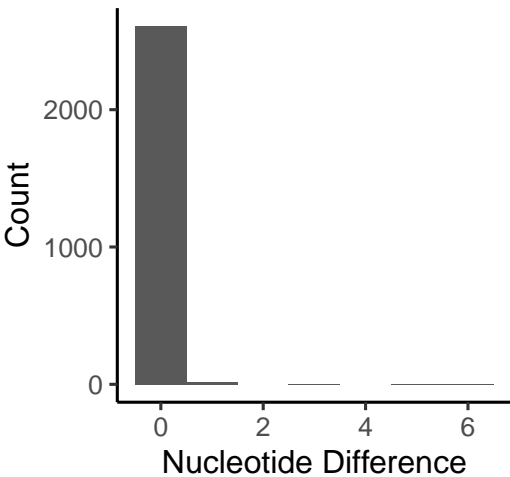
TRBV6-56\*ap02

1456 sequences assigned  
1331 (91.4%) exact matches, in which:  
1298 unique CDR3  
14 unique J



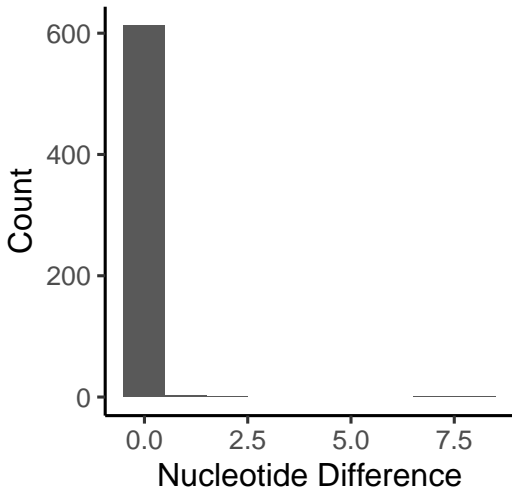
TRBV7-3\*ap01

2631 sequences assigned  
2609 (99.2%) exact matches, in which:  
2593 unique CDR3  
14 unique J



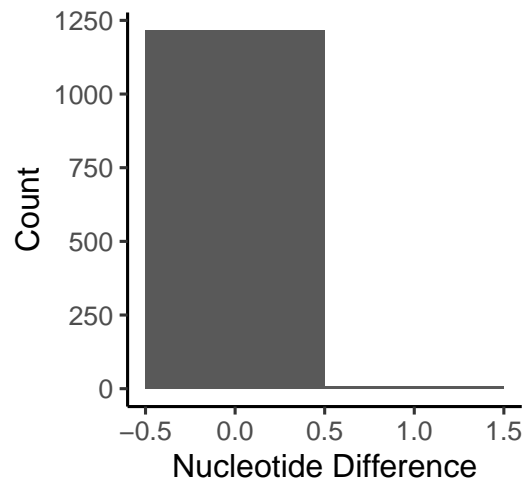
TRBV7-7\*ap01\_C315T

619 sequences assigned  
613 (99%) exact matches, in which:  
606 unique CDR3  
14 unique J



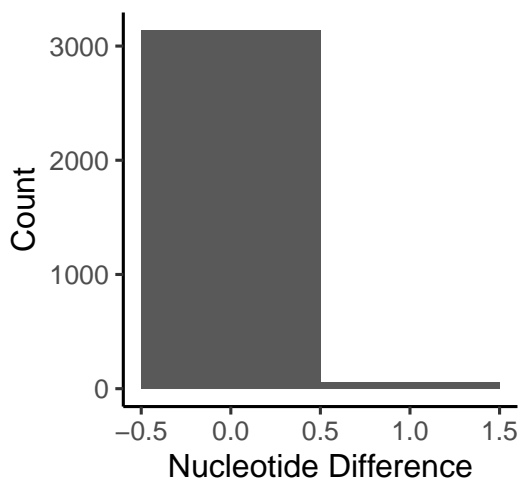
### TRBV7-8\*ap01

1223 sequences assigned  
1216 (99.4%) exact matches, in which:  
1200 unique CDR3  
14 unique J



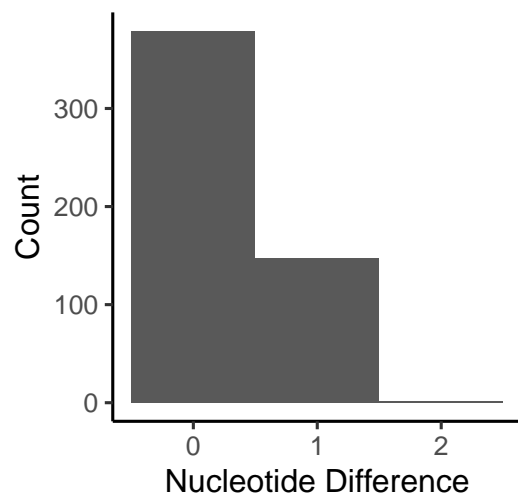
### TRBV29-1\*ap01

3191 sequences assigned  
3137 (98.3%) exact matches, in which:  
2986 unique CDR3  
14 unique J



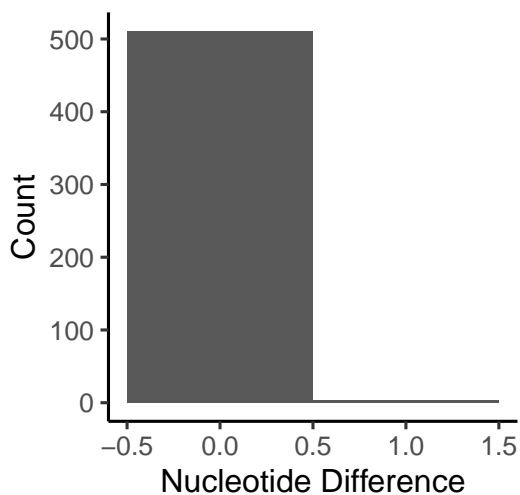
### TRBV7-8\*ap03

528 sequences assigned  
379 (71.8%) exact matches, in which:  
374 unique CDR3  
14 unique J



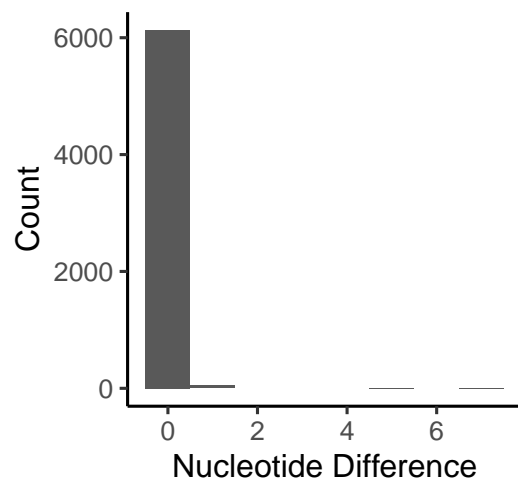
### TRBV29-1\*ap02

514 sequences assigned  
511 (99.4%) exact matches, in which:  
491 unique CDR3  
14 unique J

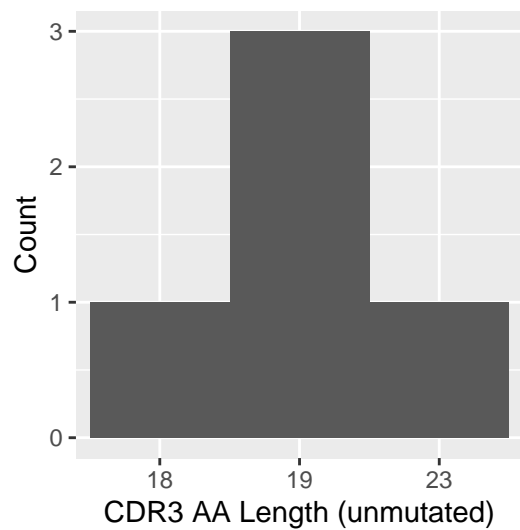


### TRBV7-9\*ap01

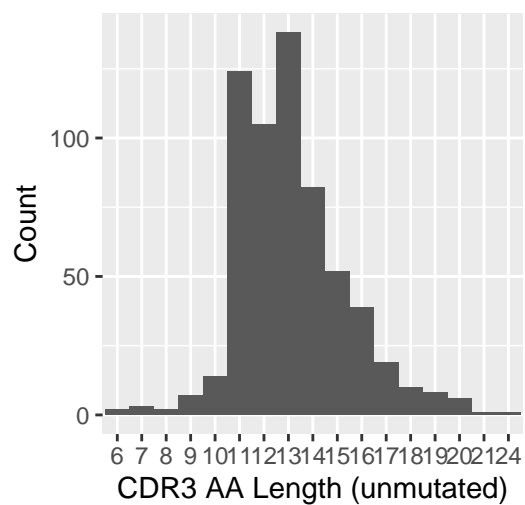
6182 sequences assigned  
6131 (99.2%) exact matches, in which:  
6054 unique CDR3  
14 unique J

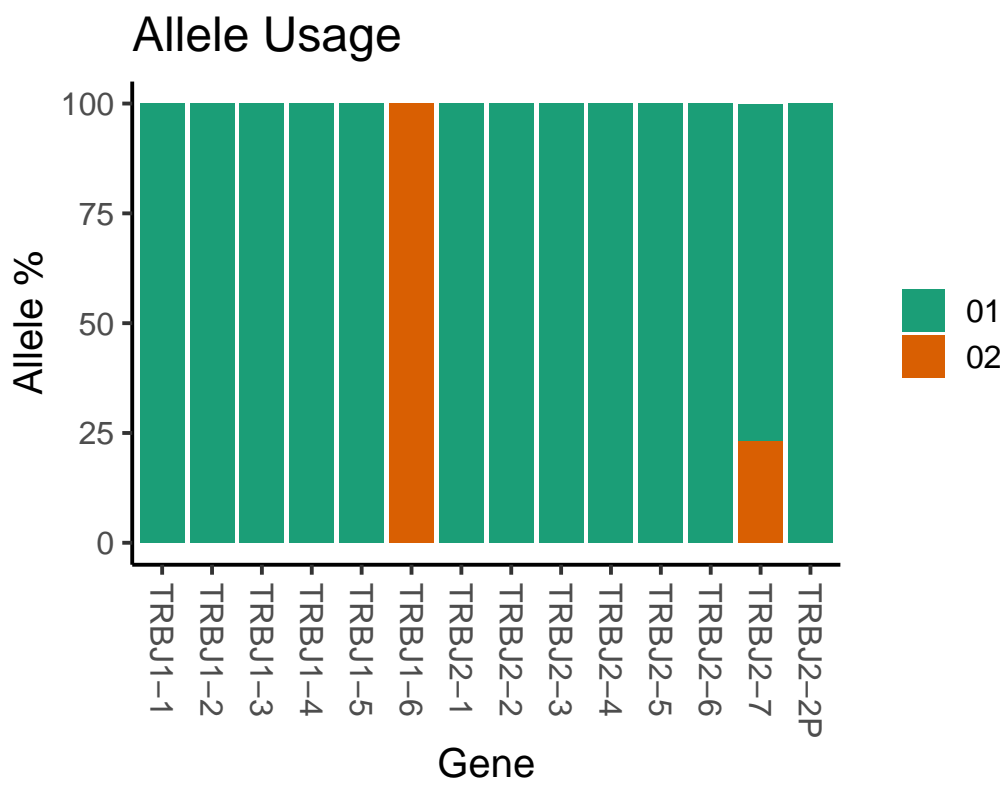


TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.