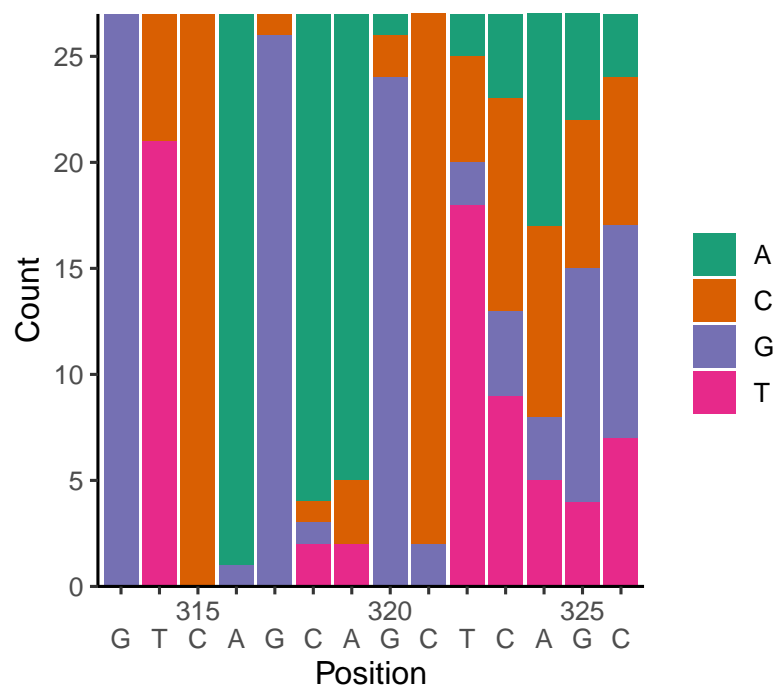
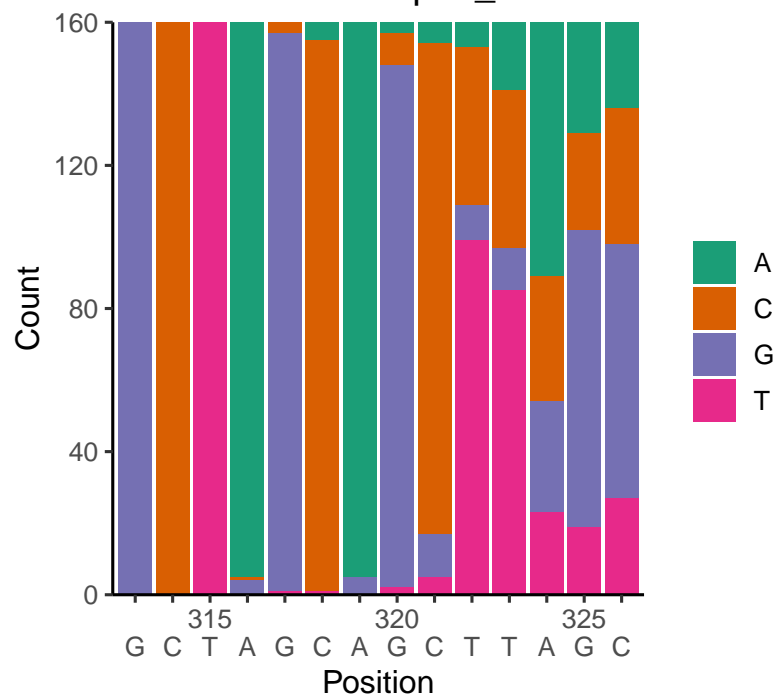


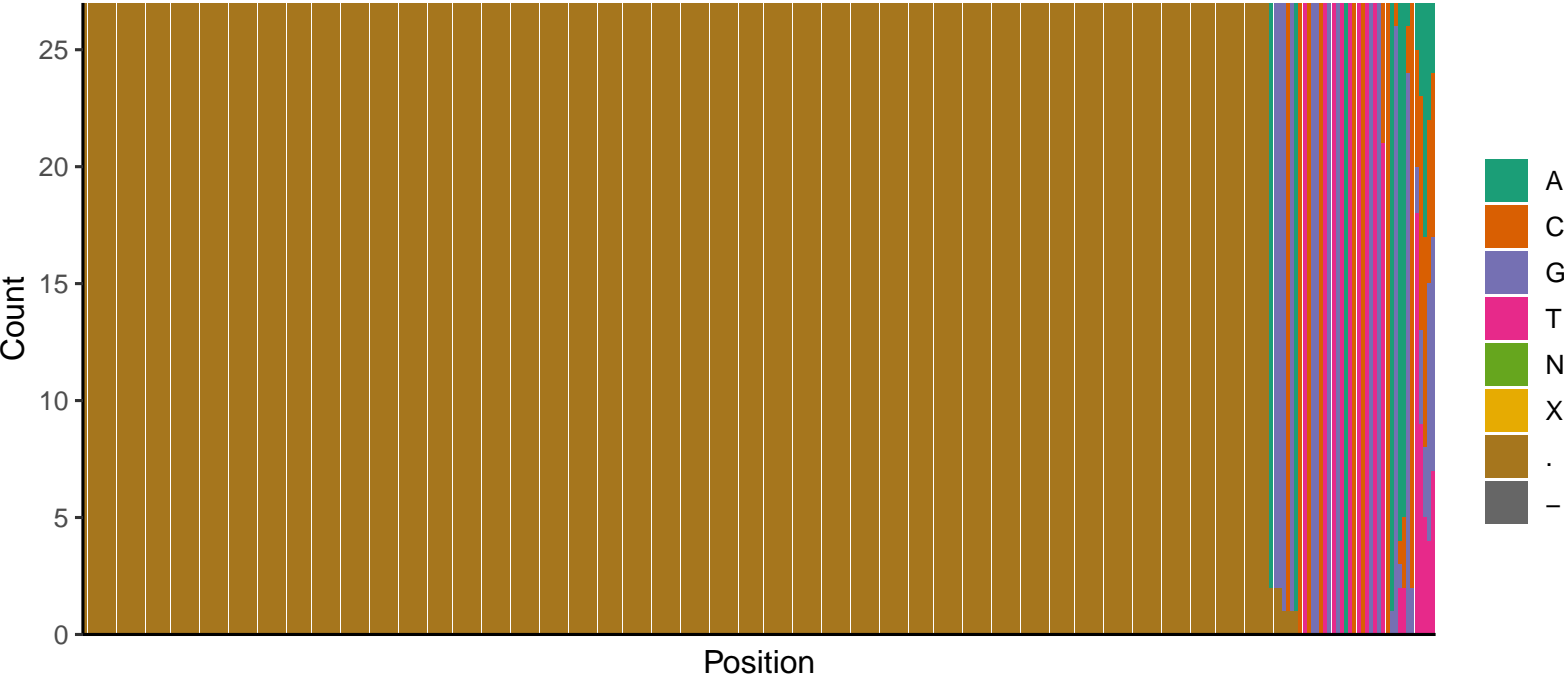
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



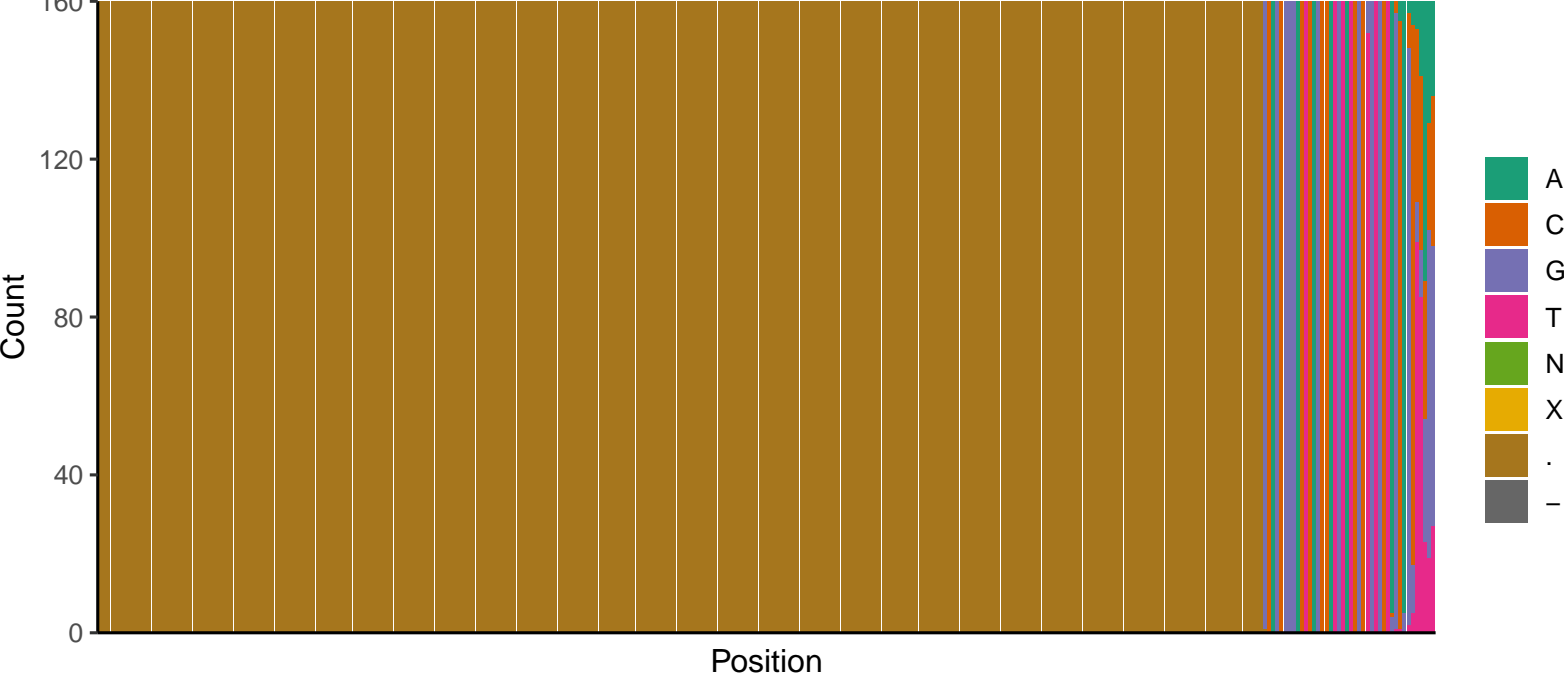
Gene TRBV7-7\*ap01\_C315T



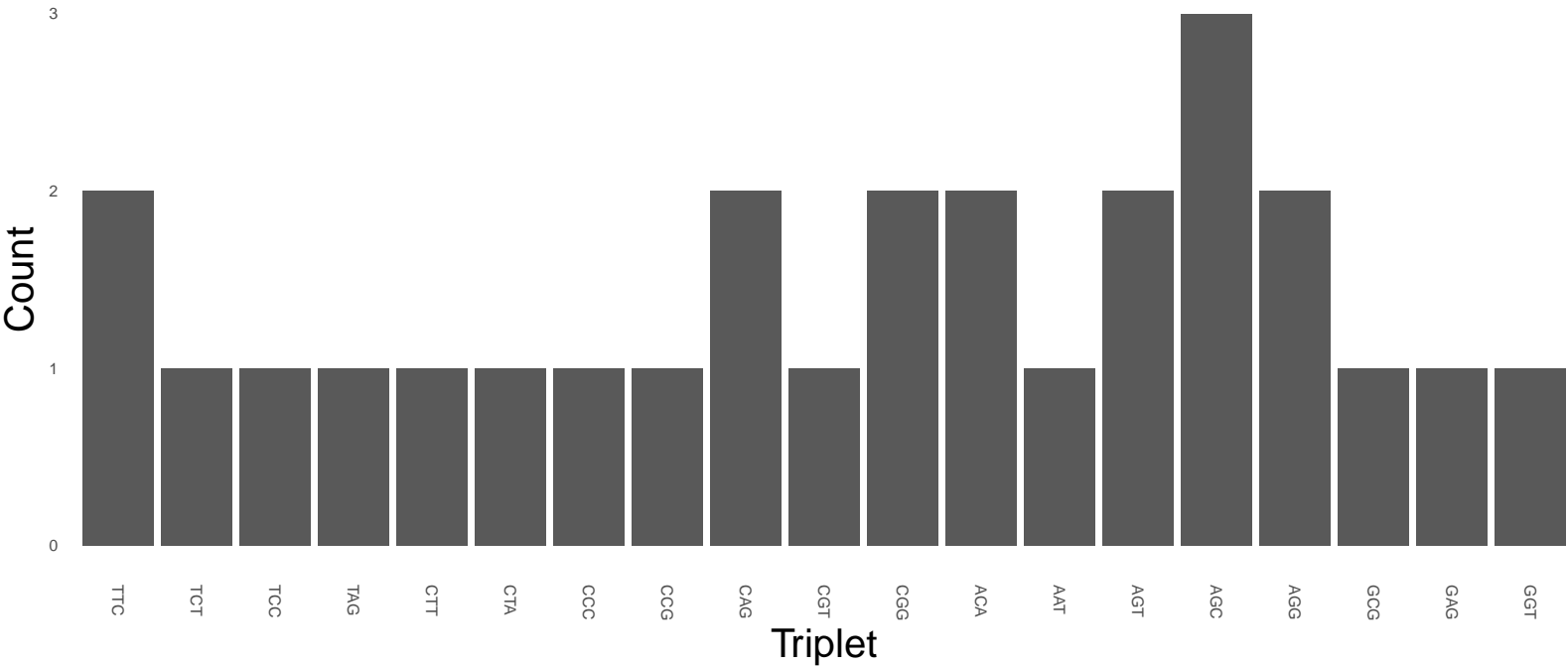
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



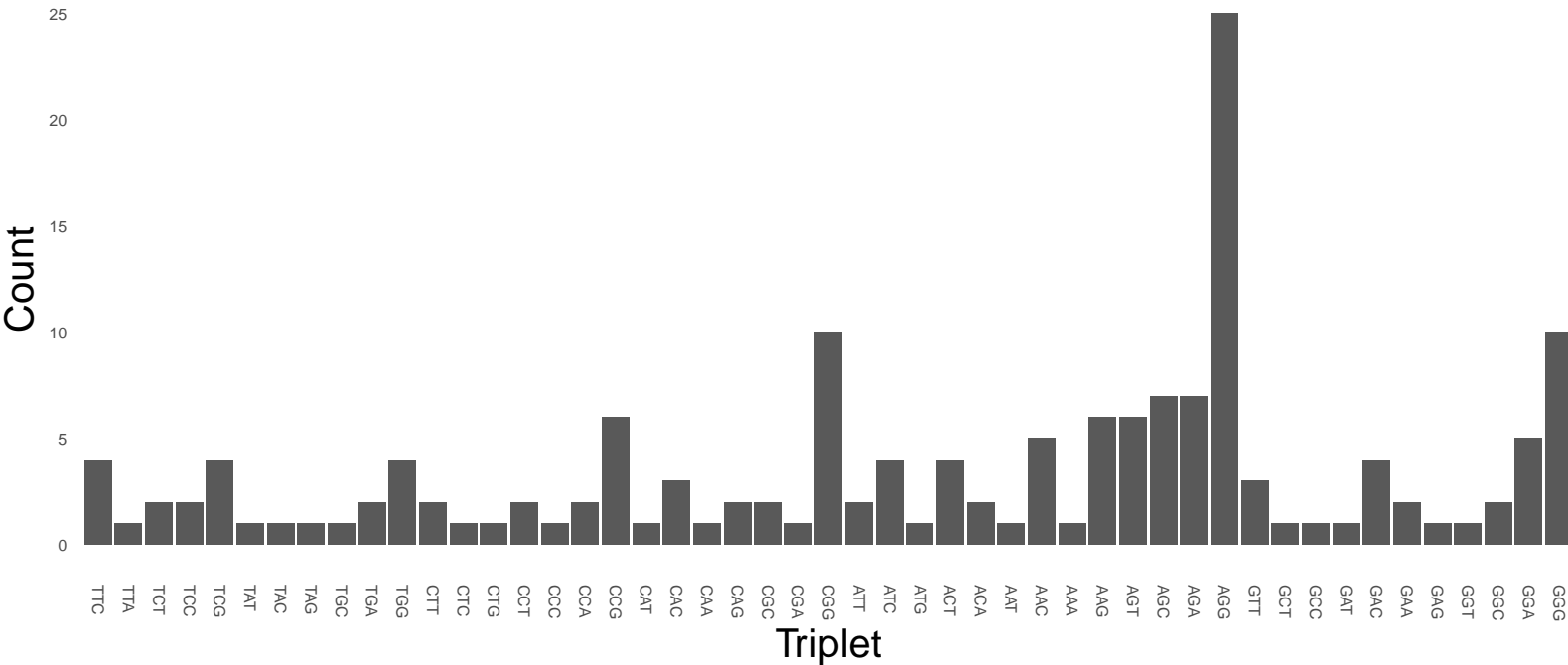
Gene TRBV7-7\*ap01\_C315T



TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet

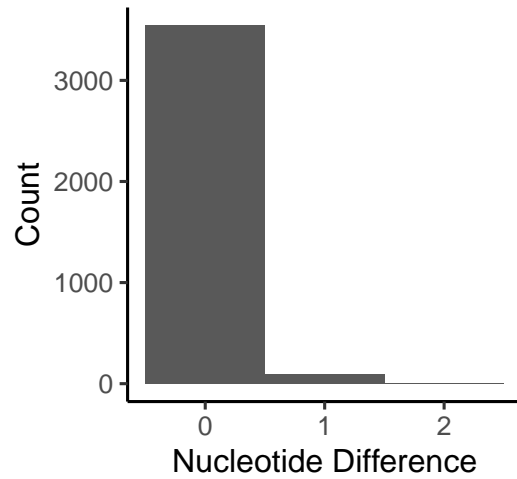


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



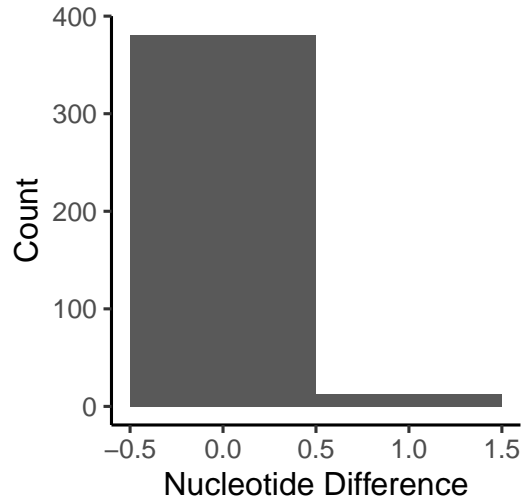
### TRBV20-1\*ap01

3643 sequences assigned  
3544 (97.3%) exact matches, in which:  
3429 unique CDR3  
13 unique J



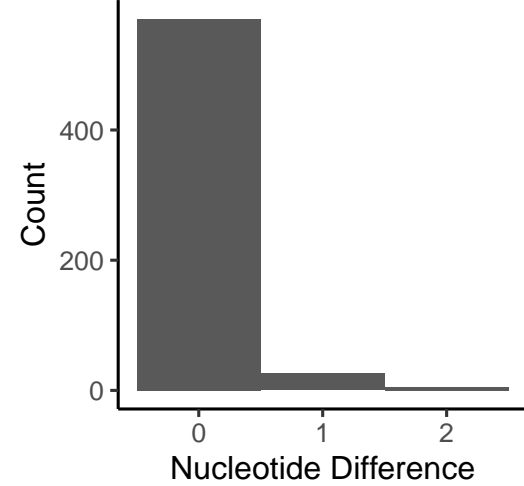
### TRBV10-2\*ap01

394 sequences assigned  
381 (96.7%) exact matches, in which:  
371 unique CDR3  
13 unique J



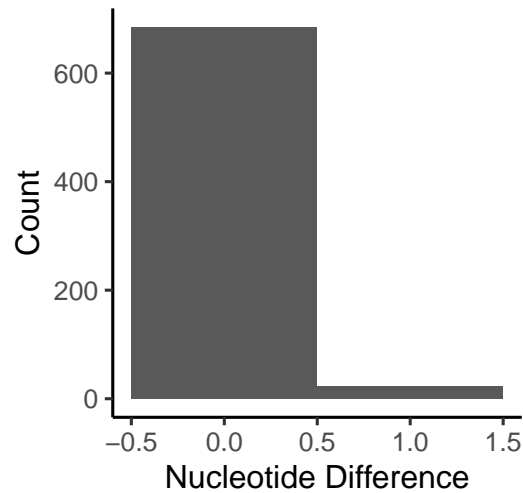
### TRBV13\*ap01

602 sequences assigned  
571 (94.9%) exact matches, in which:  
560 unique CDR3  
13 unique J



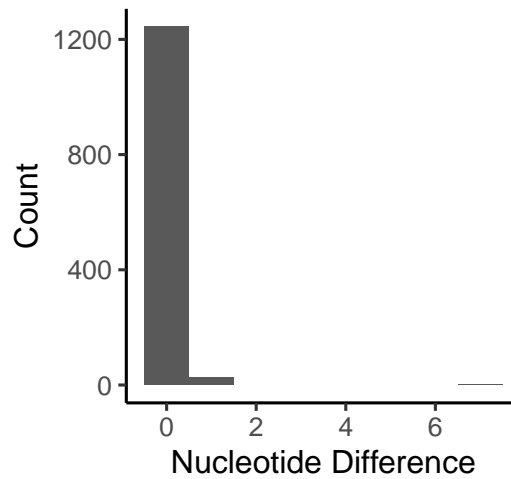
### TRBV10-1\*ap01

708 sequences assigned  
685 (96.8%) exact matches, in which:  
669 unique CDR3  
13 unique J



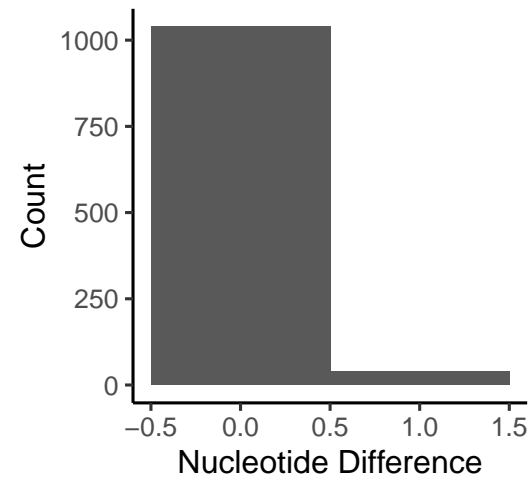
### TRBV10-3\*ap01

1272 sequences assigned  
1244 (97.8%) exact matches, in which:  
1222 unique CDR3  
13 unique J



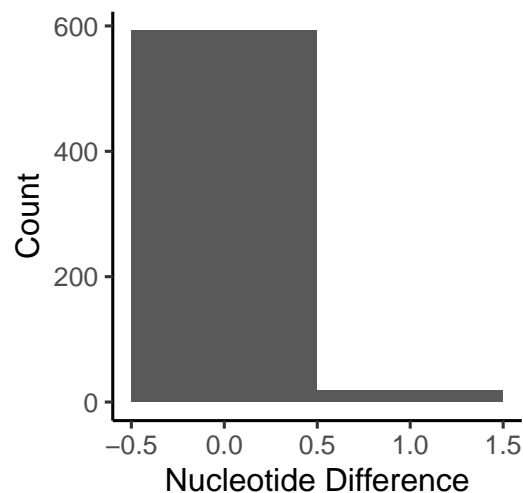
### TRBV14\*ap01

1078 sequences assigned  
1039 (96.4%) exact matches, in which:  
1014 unique CDR3  
14 unique J



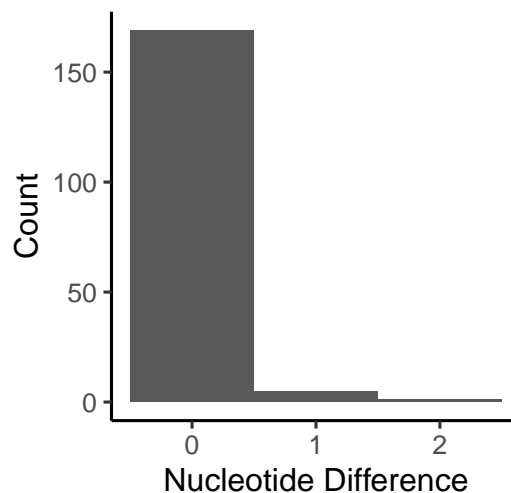
### TRBV20-1\*ap02

611 sequences assigned  
593 (97.1%) exact matches, in which:  
568 unique CDR3  
13 unique J



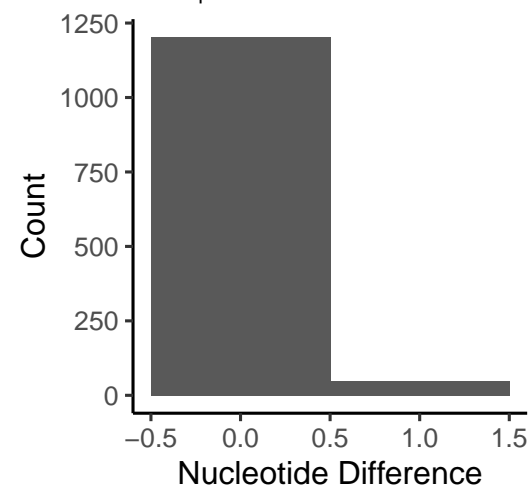
### TRBV1\*ap01

175 sequences assigned  
169 (96.6%) exact matches, in which:  
164 unique CDR3  
13 unique J



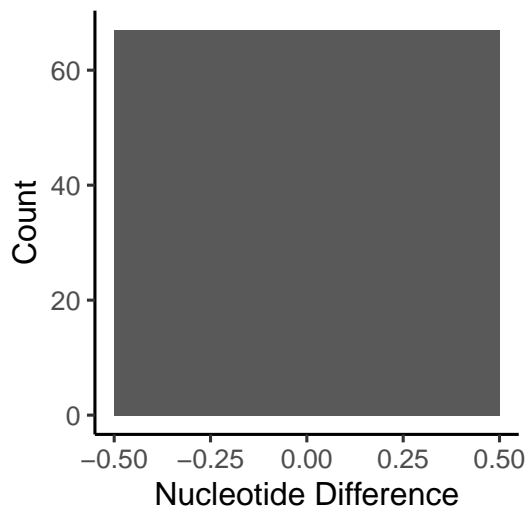
### TRBV15\*ap02

1251 sequences assigned  
1203 (96.2%) exact matches, in which:  
1182 unique CDR3  
13 unique J



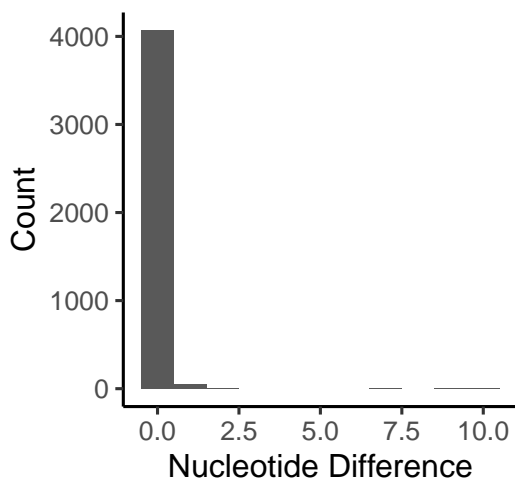
### TRBV16\*ap01

67 sequences assigned  
67 (100%) exact matches, in which:  
66 unique CDR3  
10 unique J



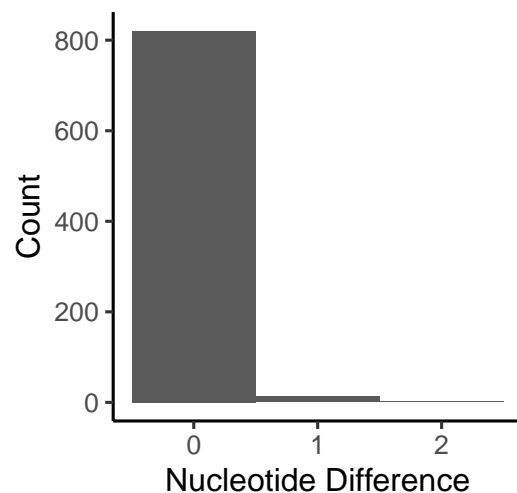
### TRBV19\*ap01

4127 sequences assigned  
4068 (98.6%) exact matches, in which:  
3987 unique CDR3  
13 unique J



### TRBV28\*ap01

836 sequences assigned  
821 (98.2%) exact matches, in which:  
802 unique CDR3  
13 unique J



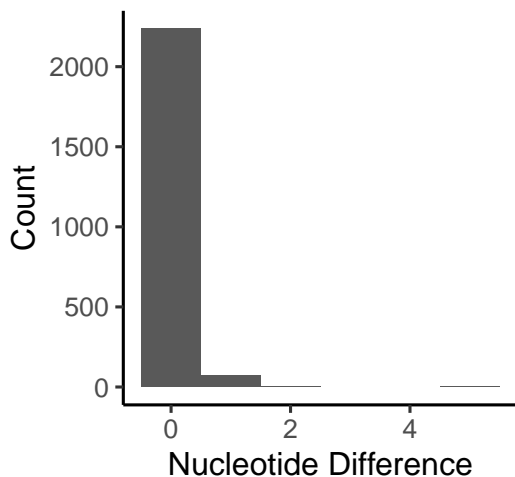
### TRBV17\*ap01

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



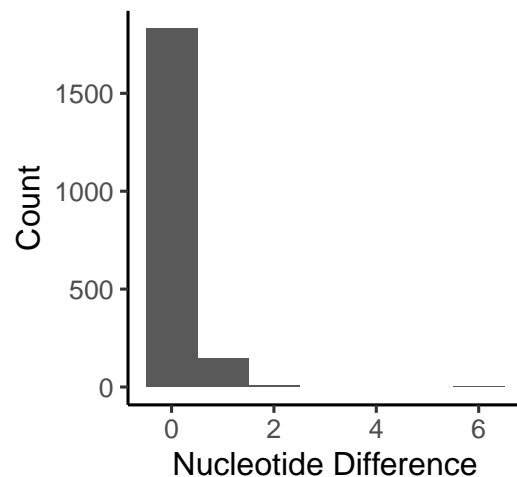
### TRBV2\*ap01

2309 sequences assigned  
2237 (96.9%) exact matches, in which:  
2203 unique CDR3  
13 unique J



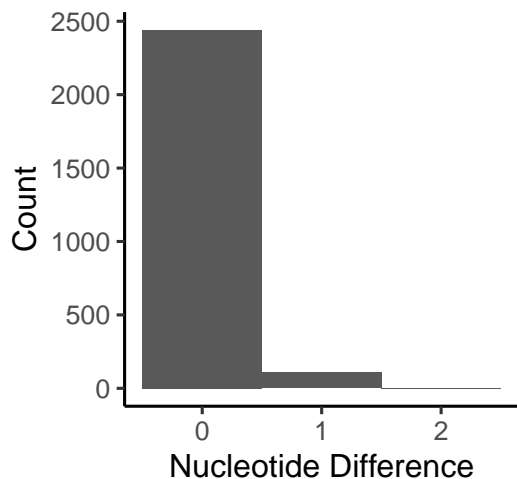
### TRBV30\*ap02

1986 sequences assigned  
1830 (92.1%) exact matches, in which:  
1679 unique CDR3  
13 unique J



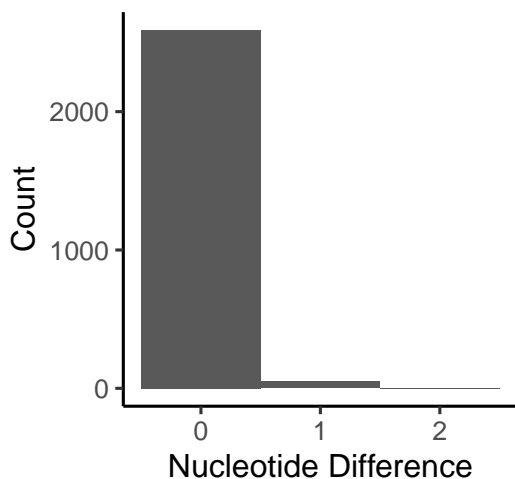
### TRBV18\*ap01

2550 sequences assigned  
2440 (95.7%) exact matches, in which:  
2350 unique CDR3  
13 unique J



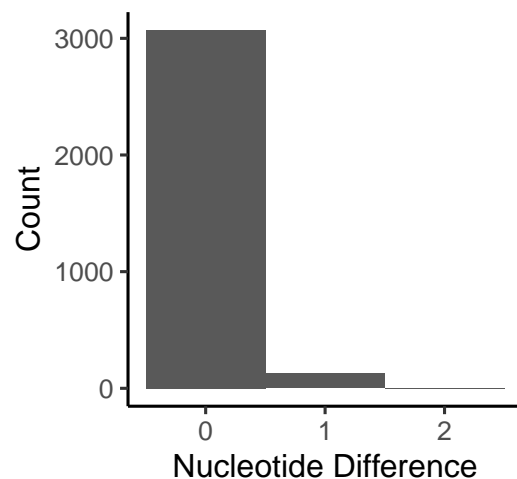
### TRBV27\*ap01

2640 sequences assigned  
2590 (98.1%) exact matches, in which:  
2540 unique CDR3  
13 unique J



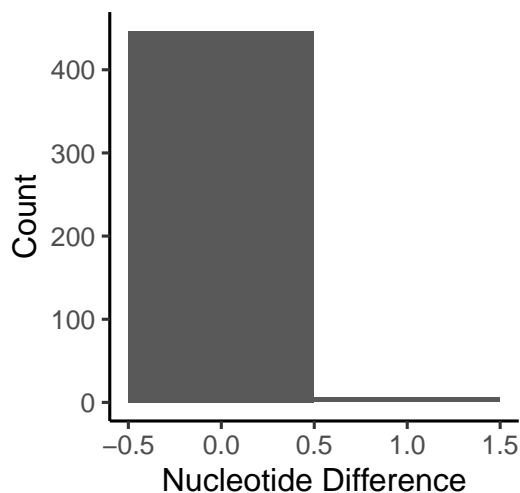
### TRBV9\*ap01

3201 sequences assigned  
3071 (95.9%) exact matches, in which:  
3005 unique CDR3  
13 unique J



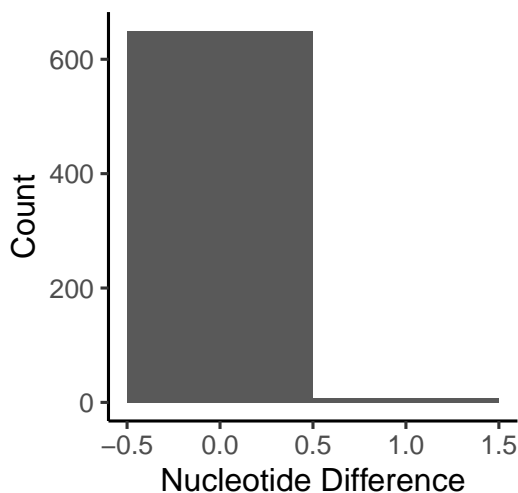
### TRBV21–1\*ap01

453 sequences assigned  
447 (98.7%) exact matches, in which:  
444 unique CDR3  
13 unique J



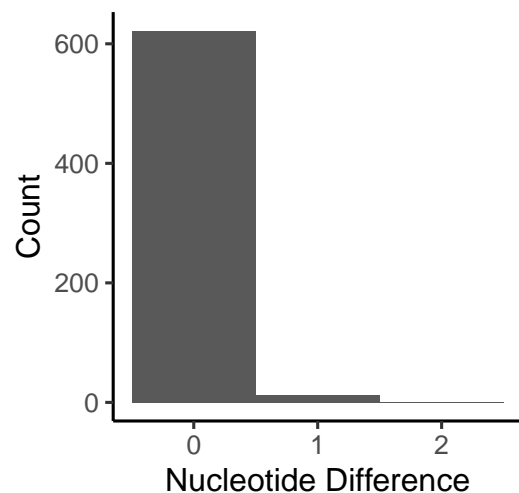
### TRBV11–3\*ap01

658 sequences assigned  
650 (98.8%) exact matches, in which:  
643 unique CDR3  
13 unique J



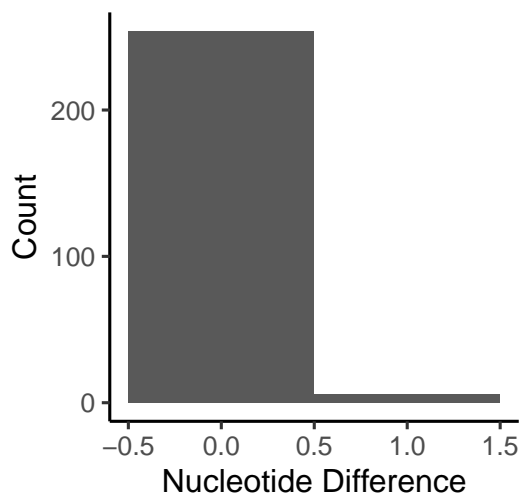
### TRBV12–5\*ap01

636 sequences assigned  
622 (97.8%) exact matches, in which:  
612 unique CDR3  
13 unique J



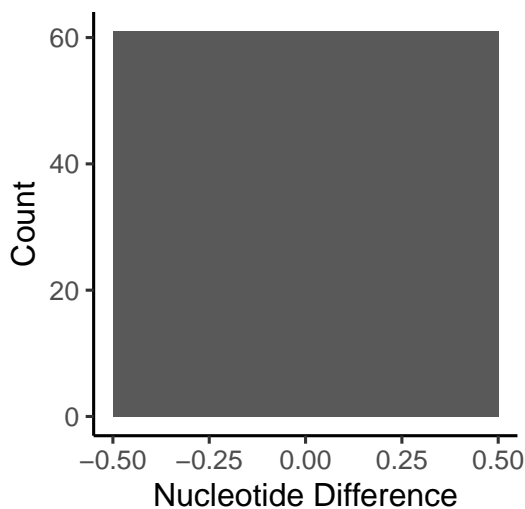
### TRBV11–1\*ap01

260 sequences assigned  
254 (97.7%) exact matches, in which:  
247 unique CDR3  
13 unique J



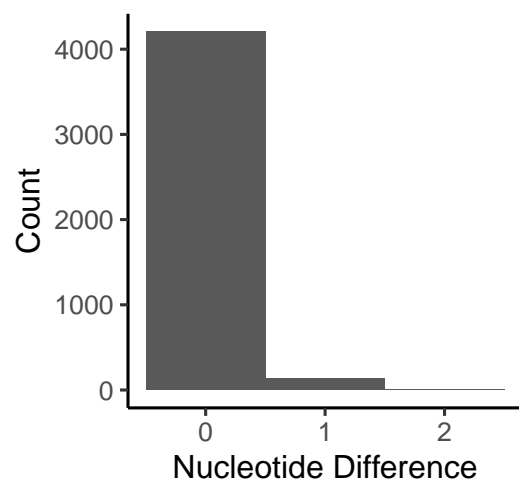
### TRBV12–1\*ap01

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



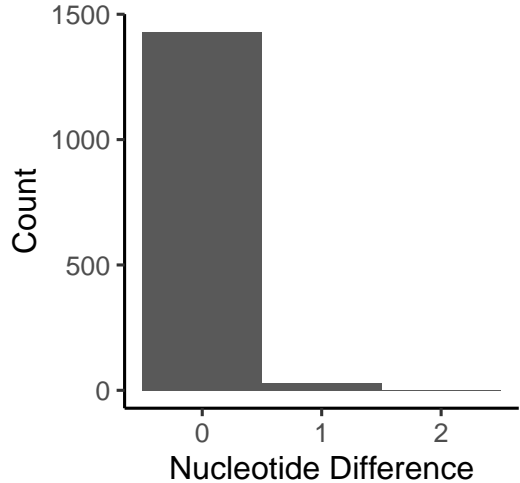
### TRBV12–34\*ap01

4344 sequences assigned  
4205 (96.8%) exact matches, in which:  
4114 unique CDR3  
13 unique J



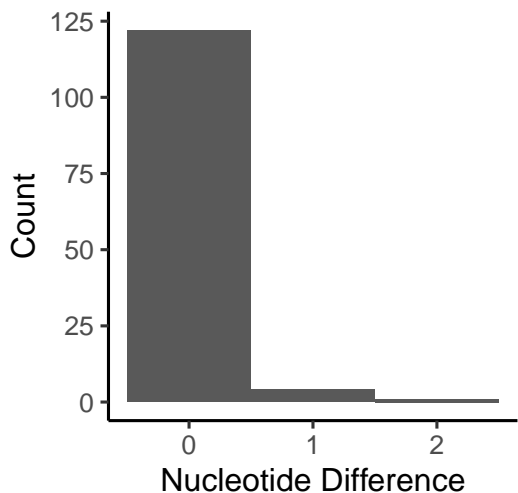
### TRBV11–2\*ap01

1459 sequences assigned  
1429 (97.9%) exact matches, in which:  
1399 unique CDR3  
13 unique J



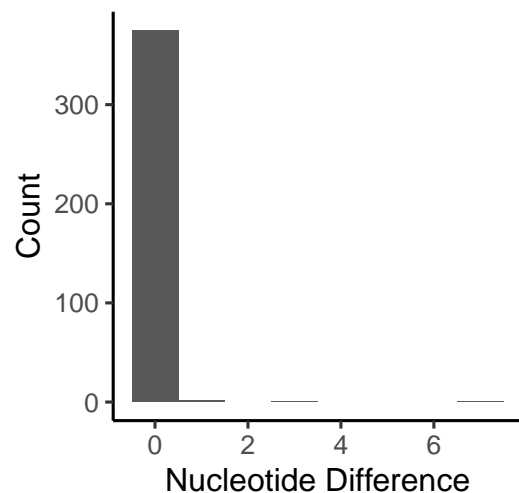
### TRBV12–2\*ap01

127 sequences assigned  
122 (96.1%) exact matches, in which:  
119 unique CDR3  
12 unique J



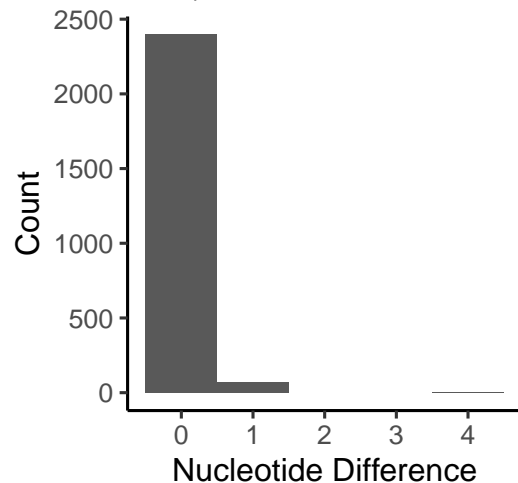
### TRBV23–1\*ap01

379 sequences assigned  
375 (98.9%) exact matches, in which:  
370 unique CDR3  
13 unique J



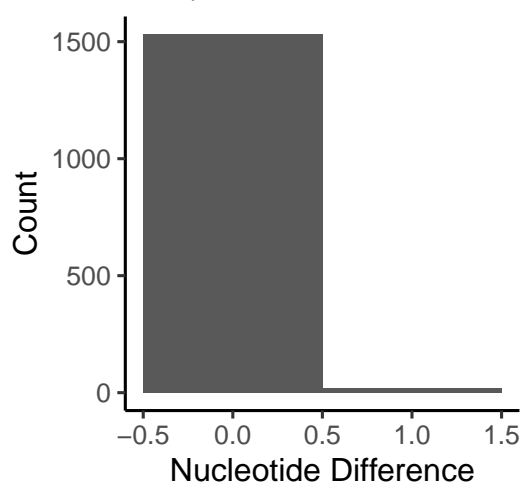
### TRBV3-12\*ap01

2471 sequences assigned  
2398 (97%) exact matches, in which:  
2364 unique CDR3  
13 unique J



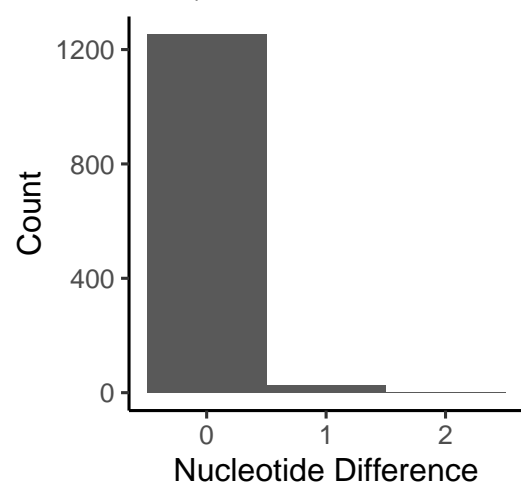
### TRBV4-2\*ap01

1551 sequences assigned  
1531 (98.7%) exact matches, in which:  
1477 unique CDR3  
13 unique J



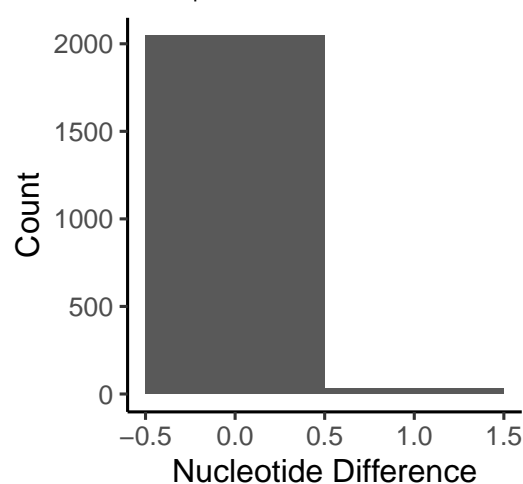
### TRBV25-1\*ap01

1280 sequences assigned  
1253 (97.9%) exact matches, in which:  
1208 unique CDR3  
13 unique J



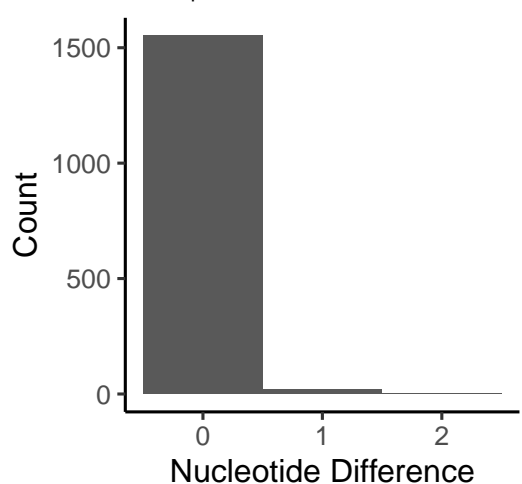
### TRBV4-1\*ap01

2075 sequences assigned  
2046 (98.6%) exact matches, in which:  
1968 unique CDR3  
13 unique J



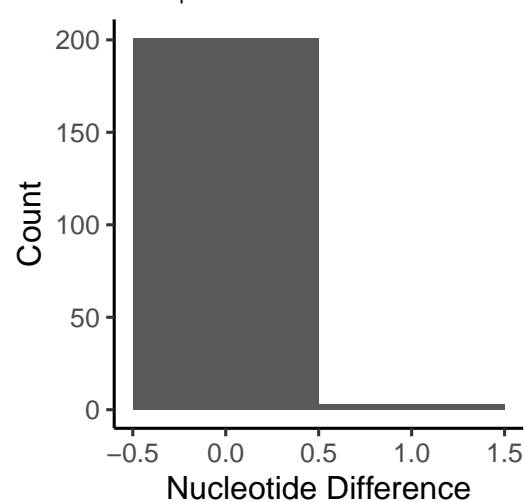
### TRBV4-3\*ap01

1574 sequences assigned  
1552 (98.6%) exact matches, in which:  
1501 unique CDR3  
13 unique J



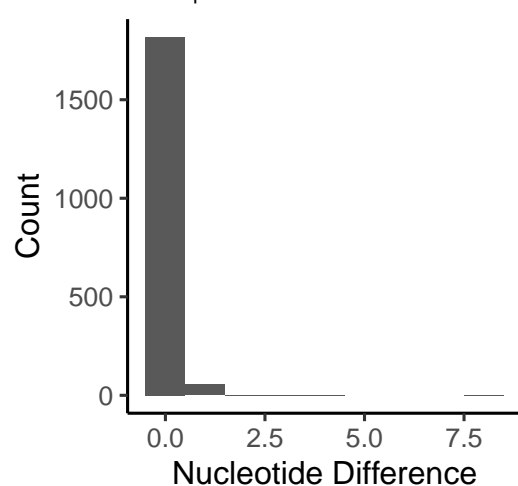
### TRBV5-3\*ap01

204 sequences assigned  
201 (98.5%) exact matches, in which:  
194 unique CDR3  
12 unique J



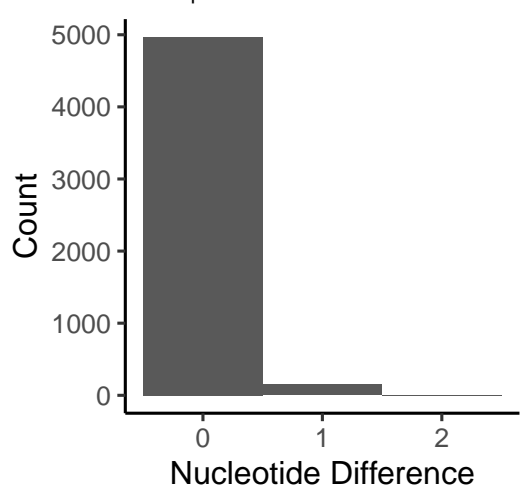
### TRBV24-1\*ap01

1879 sequences assigned  
1818 (96.8%) exact matches, in which:  
1770 unique CDR3  
13 unique J



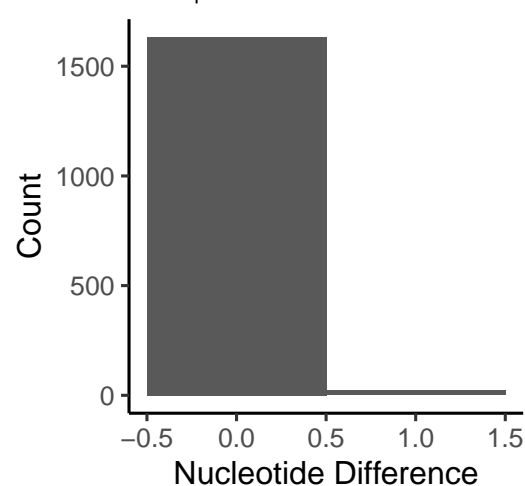
### TRBV5-1\*ap01

5119 sequences assigned  
4968 (97.1%) exact matches, in which:  
4813 unique CDR3  
13 unique J



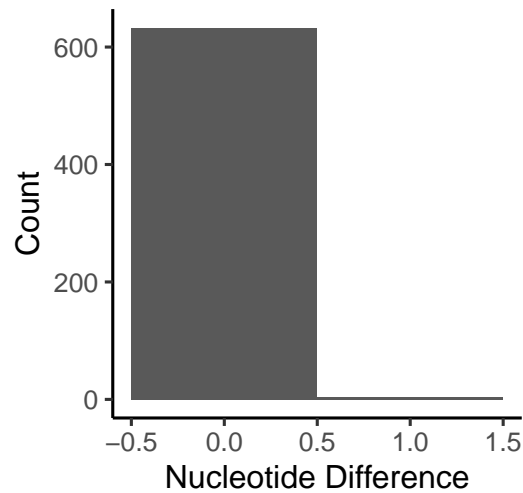
### TRBV5-4\*ap01

1655 sequences assigned  
1633 (98.7%) exact matches, in which:  
1591 unique CDR3  
13 unique J



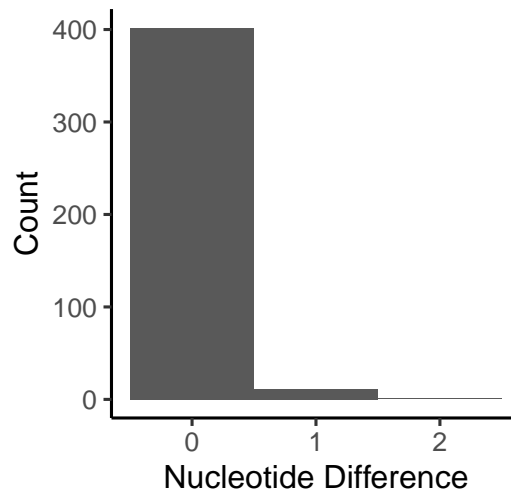
### TRBV5-5\*ap01

637 sequences assigned  
633 (99.4%) exact matches, in which:  
626 unique CDR3  
13 unique J



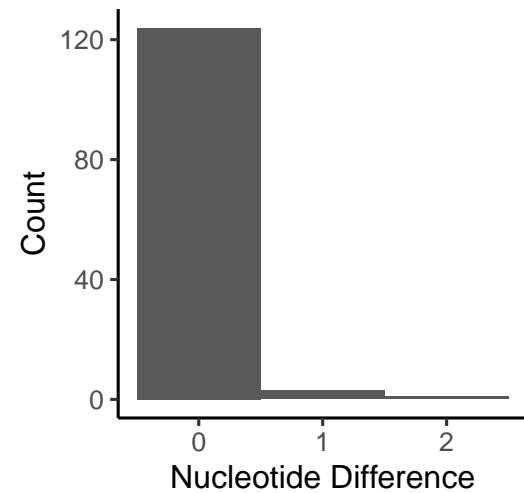
### TRBV5-8\*ap01

414 sequences assigned  
402 (97.1%) exact matches, in which:  
396 unique CDR3  
13 unique J



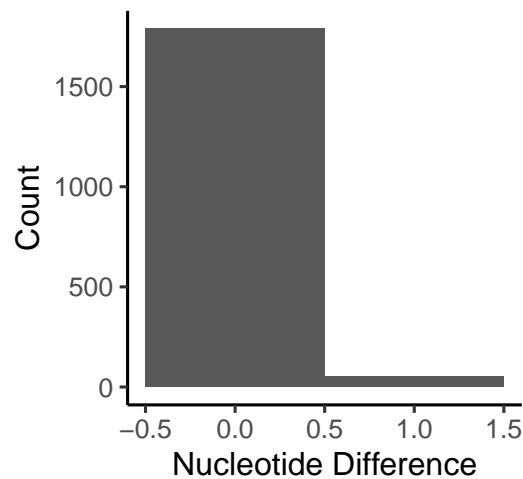
### TRBV6-7\*ap01

128 sequences assigned  
124 (96.9%) exact matches, in which:  
113 unique CDR3  
12 unique J



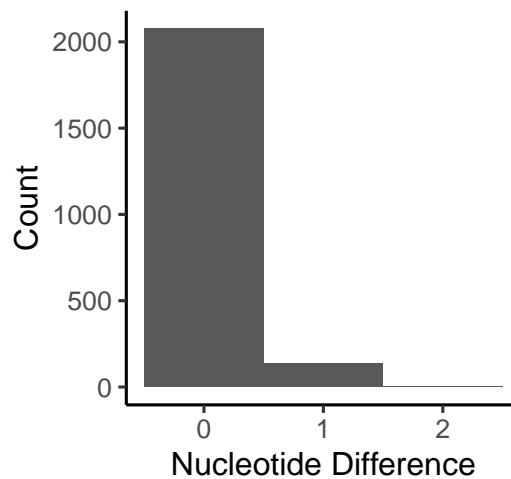
### TRBV5-6\*ap01

1840 sequences assigned  
1789 (97.2%) exact matches, in which:  
1693 unique CDR3  
13 unique J



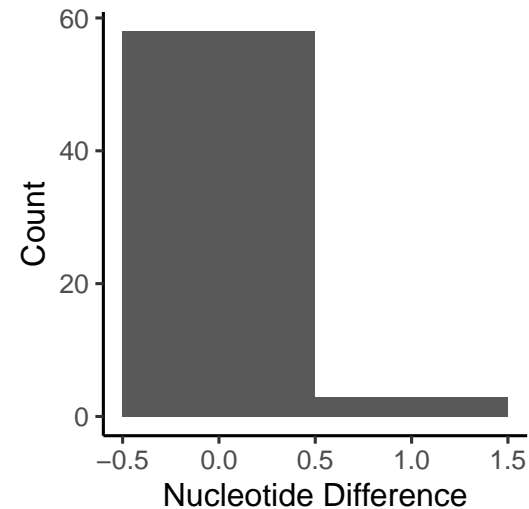
### TRBV6-1\*ap01

2214 sequences assigned  
2076 (93.8%) exact matches, in which:  
2019 unique CDR3  
13 unique J



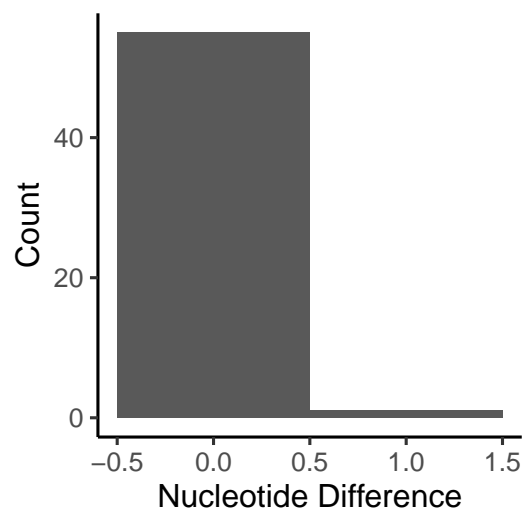
### TRBV6-8\*ap01

61 sequences assigned  
58 (95.1%) exact matches, in which:  
57 unique CDR3  
12 unique J



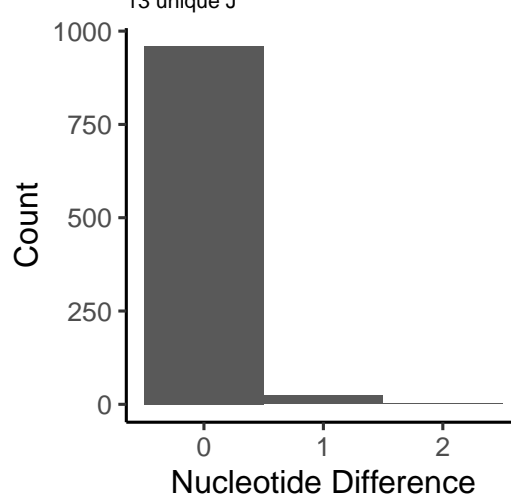
### TRBV5-7\*ap01

56 sequences assigned  
55 (98.2%) exact matches, in which:  
50 unique CDR3  
11 unique J



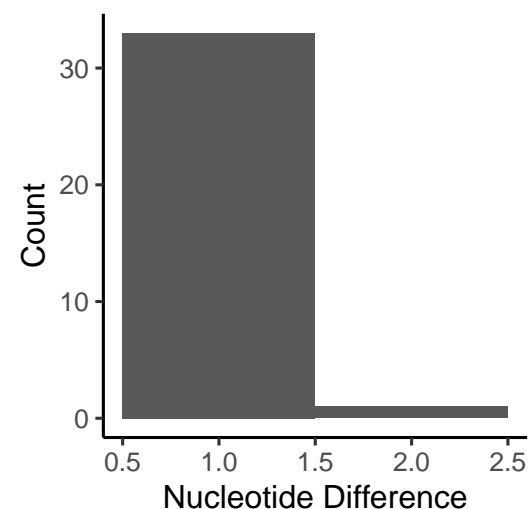
### TRBV6-4\*ap01

986 sequences assigned  
960 (97.4%) exact matches, in which:  
946 unique CDR3  
13 unique J



### TRBV6-9\*ap01

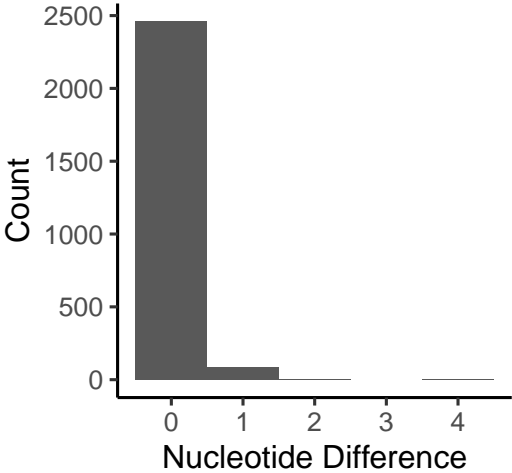
34 sequences assigned  
No exact matches.





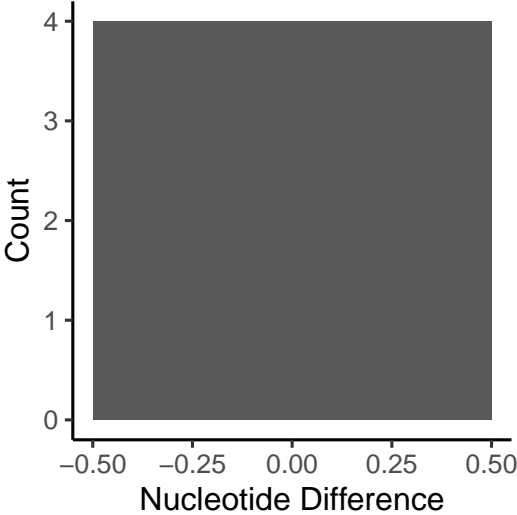
TRBV6-23\*ap01

2551 sequences assigned  
2460 (96.4%) exact matches, in which:  
2386 unique CDR3  
13 unique J



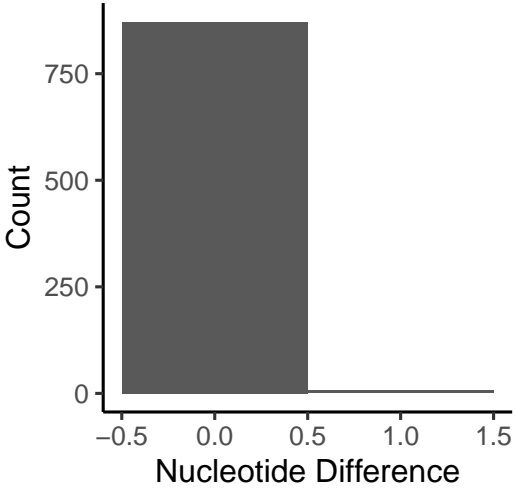
TRBV7-1\*ap01

4 sequences assigned  
4 (100%) exact matches, in which:  
4 unique CDR3  
4 unique J



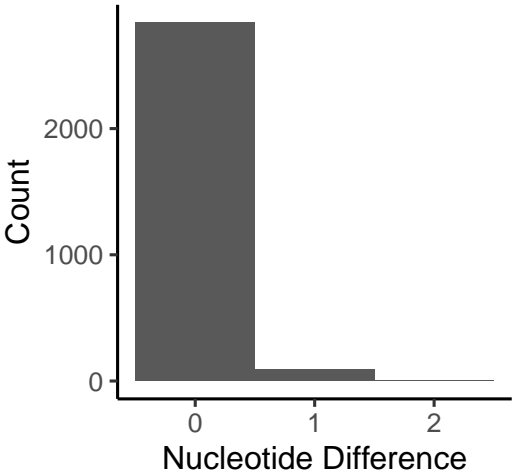
TRBV7-3\*ap01

879 sequences assigned  
872 (99.2%) exact matches, in which:  
855 unique CDR3  
13 unique J



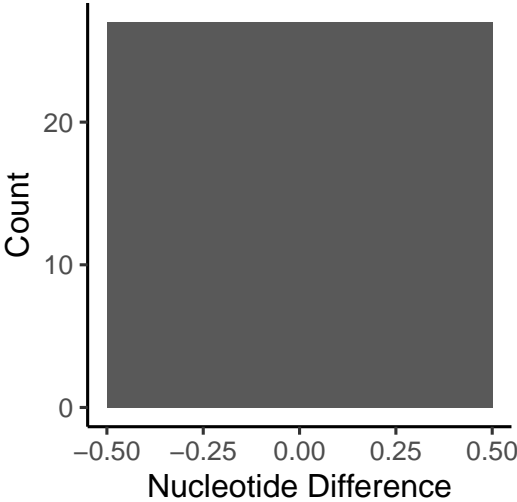
TRBV6-56\*ap01

2932 sequences assigned  
2839 (96.8%) exact matches, in which:  
2757 unique CDR3  
13 unique J



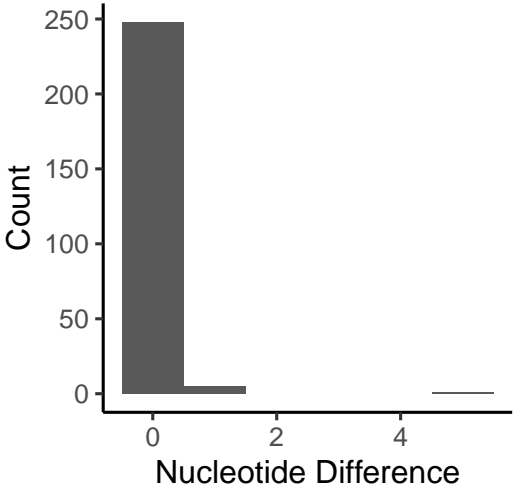
TRBV7-1\*ap01\_G291C\_T

27 sequences assigned  
27 (100%) exact matches, in which:  
27 unique CDR3  
8 unique J



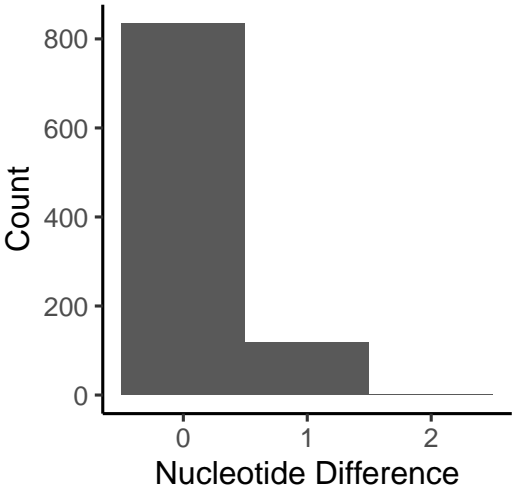
TRBV7-3\*ap03

254 sequences assigned  
248 (97.6%) exact matches, in which:  
245 unique CDR3  
12 unique J



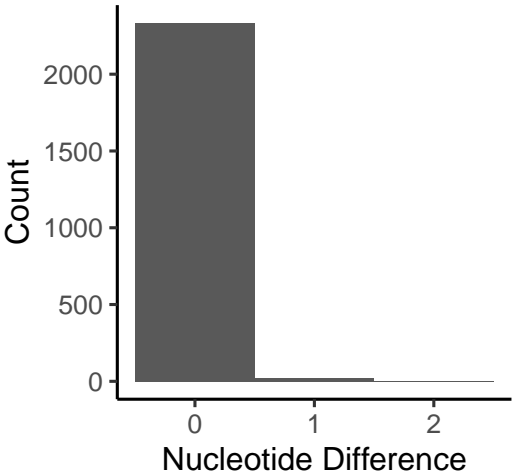
TRBV6-56\*ap02

955 sequences assigned  
835 (87.4%) exact matches, in which:  
814 unique CDR3  
13 unique J



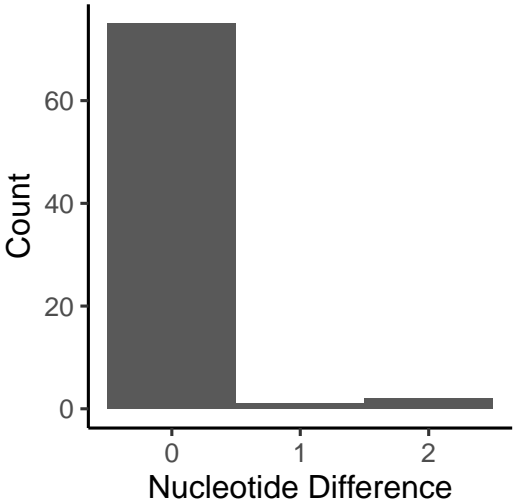
TRBV7-2\*ap01

2356 sequences assigned  
2333 (99%) exact matches, in which:  
2277 unique CDR3  
13 unique J



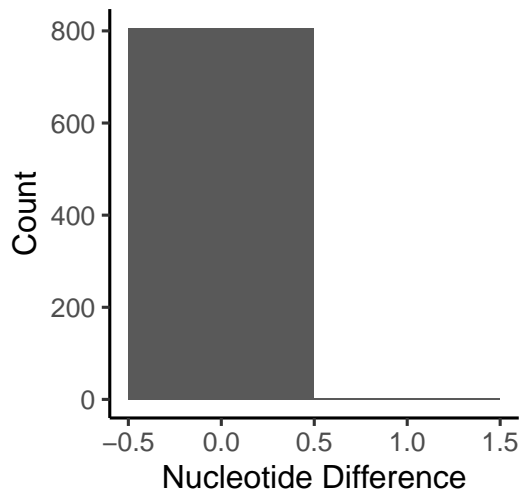
TRBV7-4\*ap01

78 sequences assigned  
75 (96.2%) exact matches, in which:  
73 unique CDR3  
12 unique J



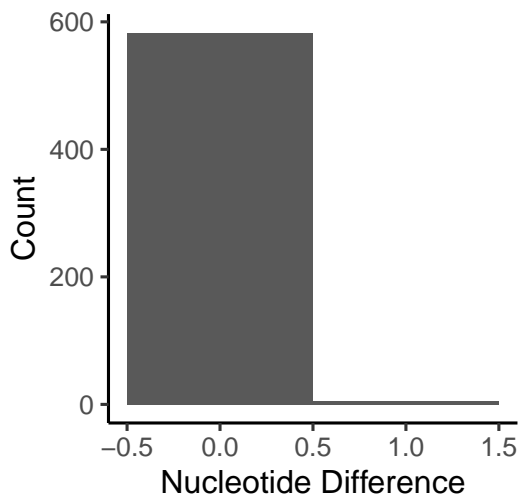
### TRBV7-6\*ap01

810 sequences assigned  
807 (99.6%) exact matches, in which:  
789 unique CDR3  
13 unique J



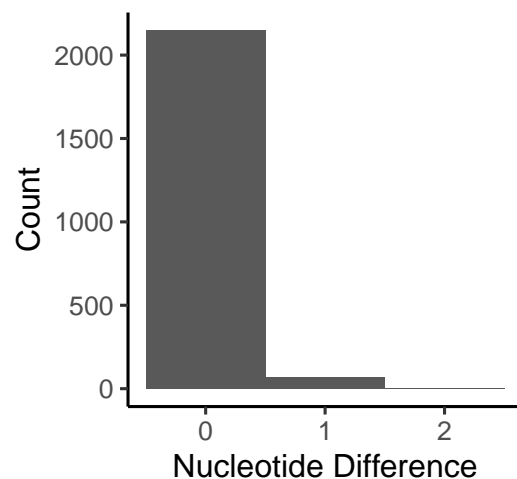
### TRBV7-8\*ap01

588 sequences assigned  
583 (99.1%) exact matches, in which:  
574 unique CDR3  
13 unique J



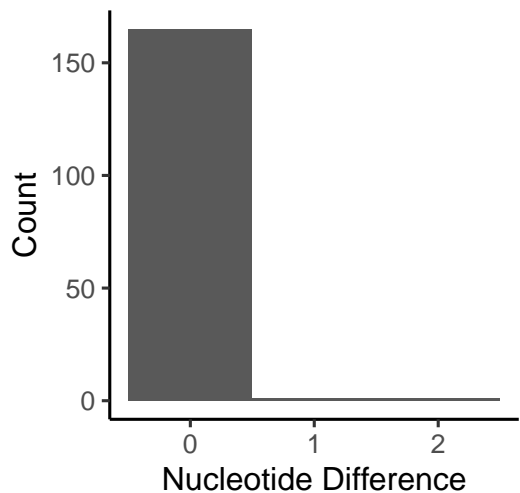
### TRBV29-1\*ap01

2222 sequences assigned  
2148 (96.7%) exact matches, in which:  
1995 unique CDR3  
13 unique J



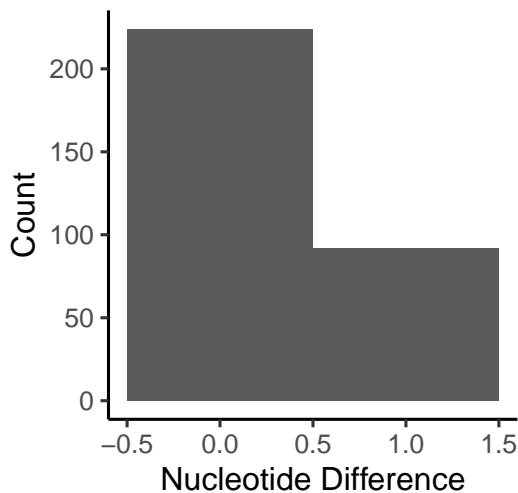
### TRBV7-7\*ap01

167 sequences assigned  
165 (98.8%) exact matches, in which:  
157 unique CDR3  
12 unique J



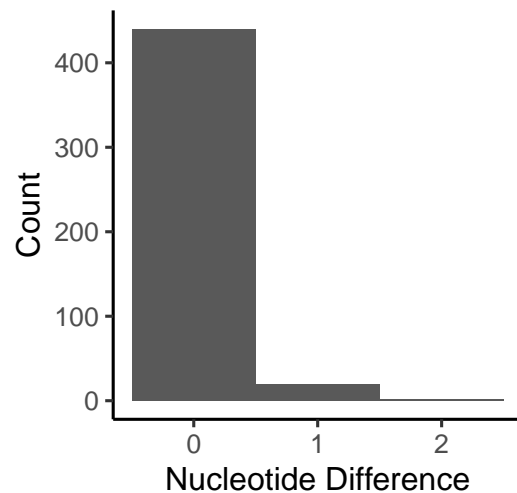
### TRBV7-8\*ap03

316 sequences assigned  
224 (70.9%) exact matches, in which:  
220 unique CDR3  
13 unique J



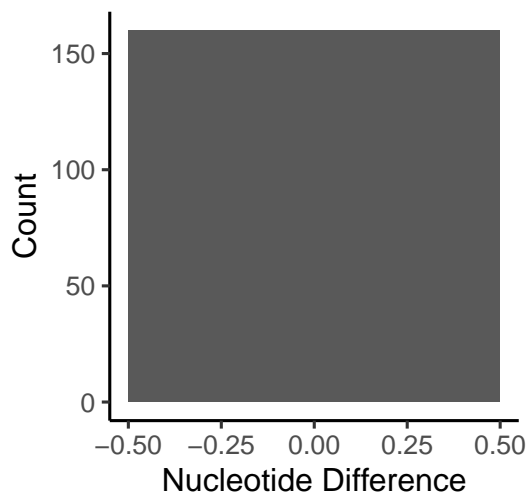
### TRBV29-1\*ap02

462 sequences assigned  
440 (95.2%) exact matches, in which:  
404 unique CDR3  
13 unique J



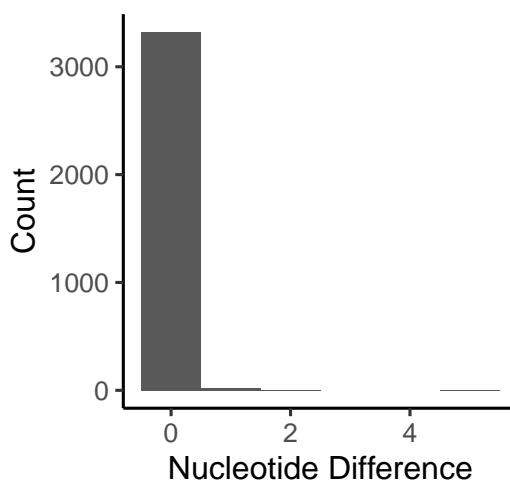
### TRBV7-7\*ap01\_C315T

160 sequences assigned  
160 (100%) exact matches, in which:  
152 unique CDR3  
12 unique J

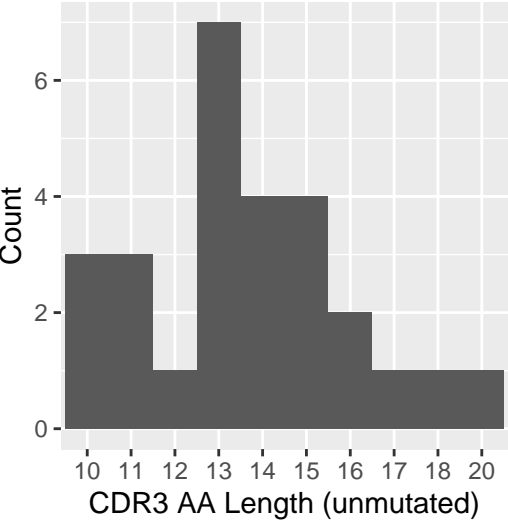


### TRBV7-9\*ap01

3345 sequences assigned  
3322 (99.3%) exact matches, in which:  
3248 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-7\*ap01\_C315T

