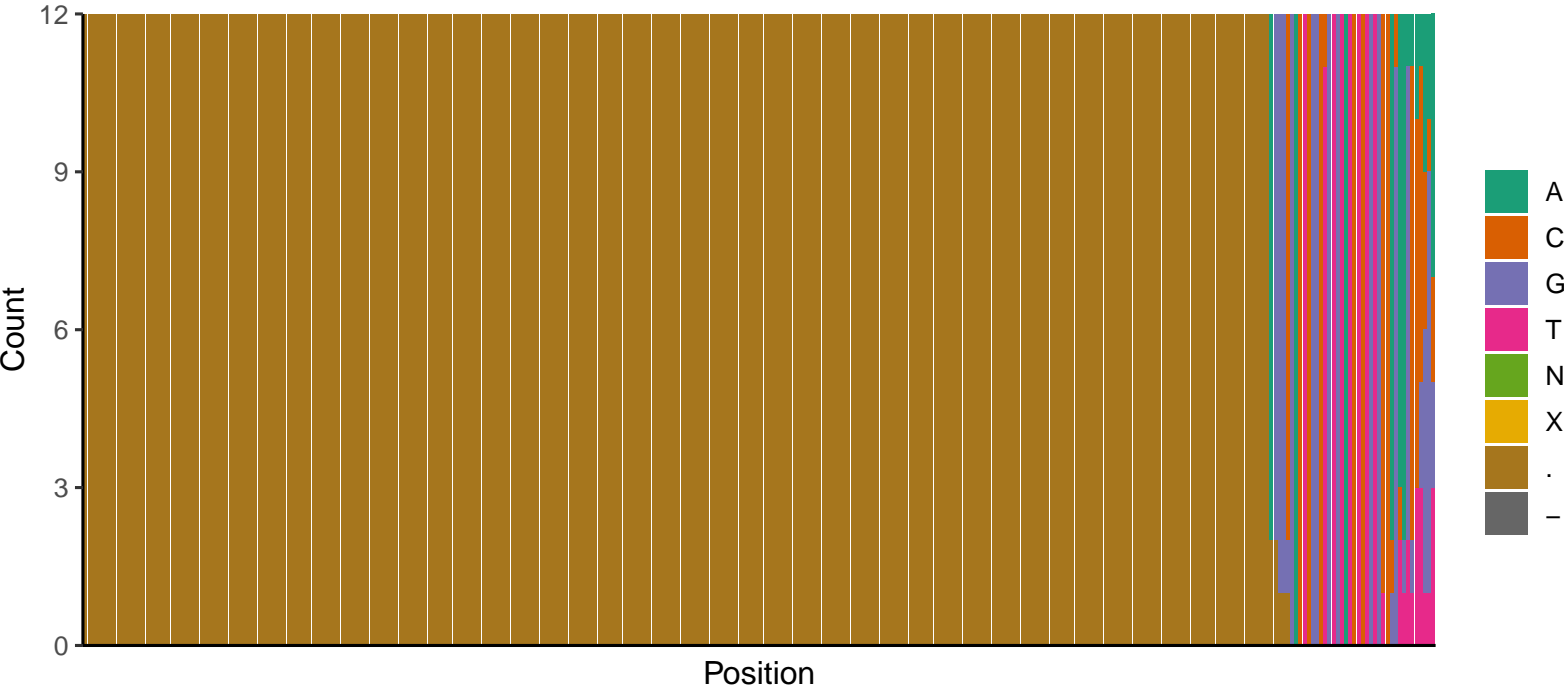
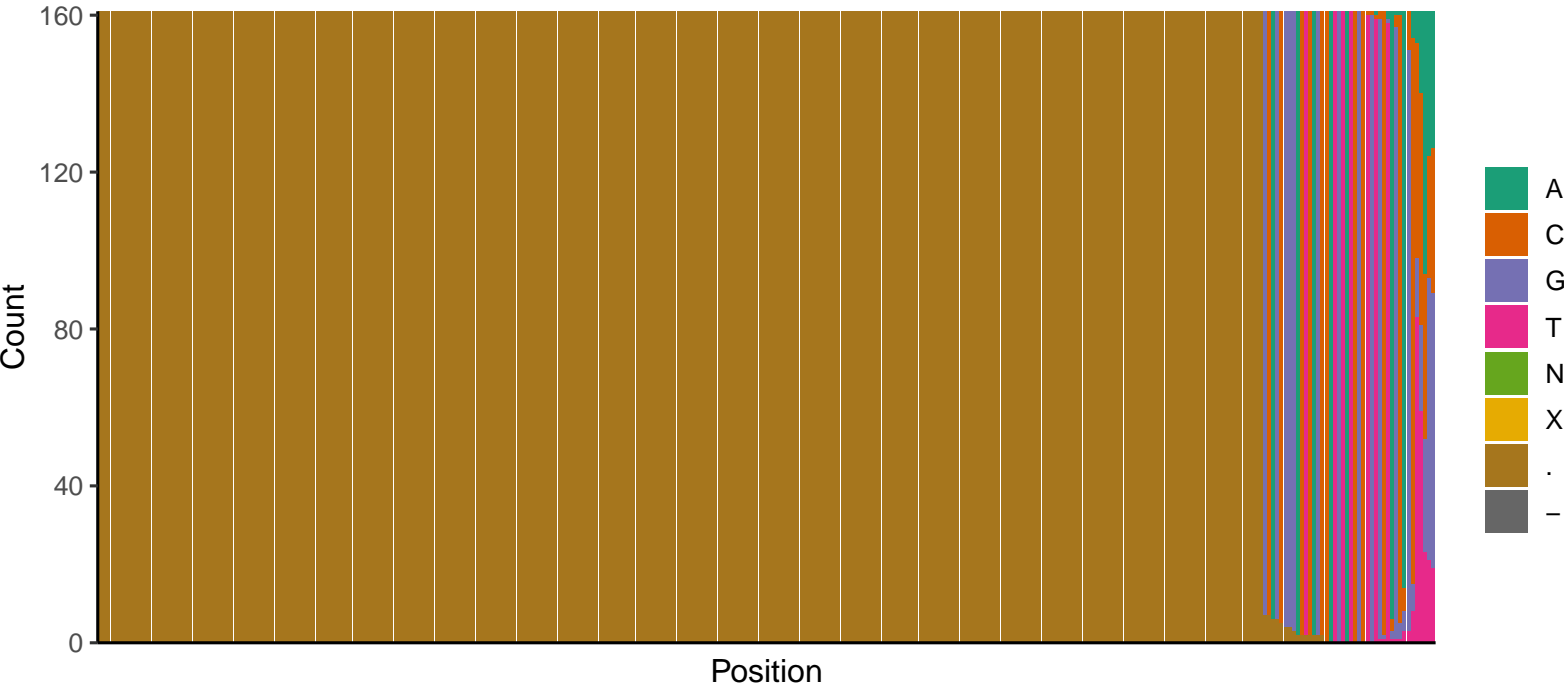




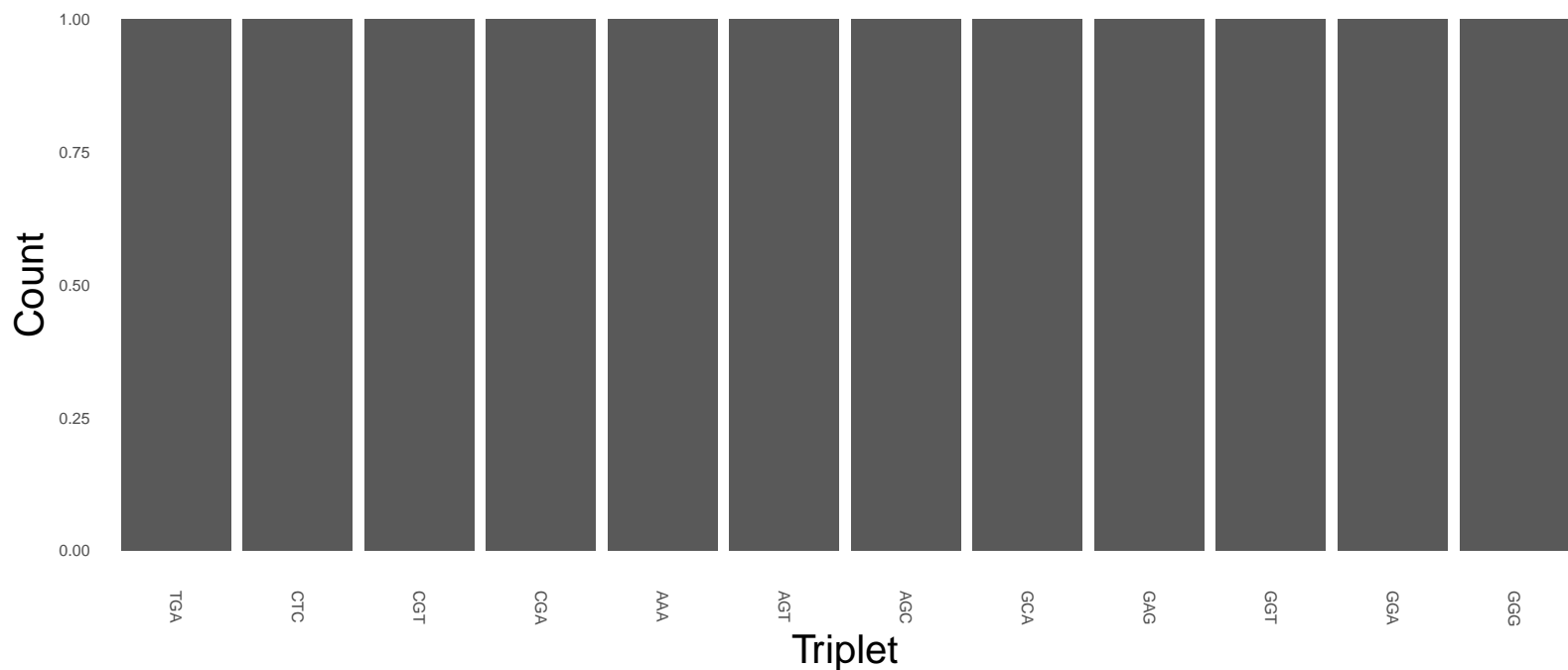
Gene TRBV7-1\*ap01\_T296C



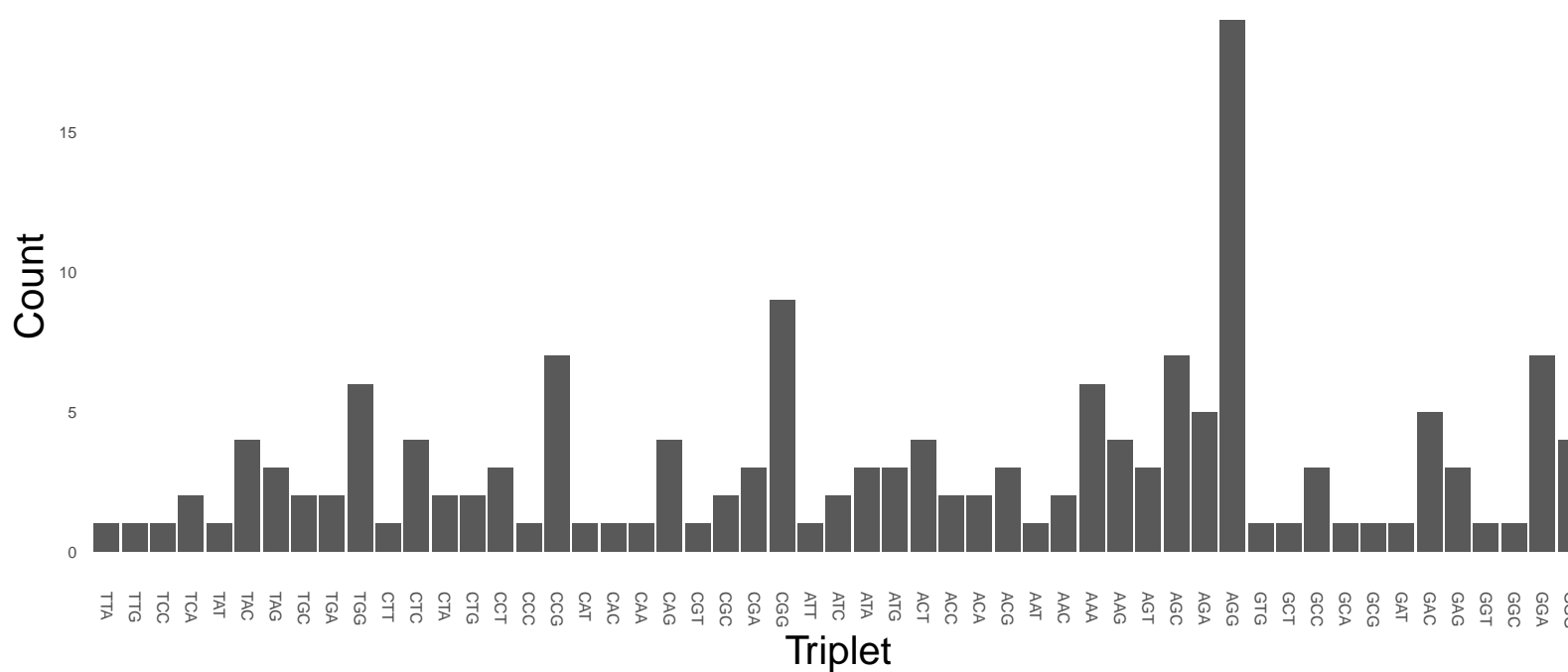
Gene TRBV7-7\*ap01\_C315T



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

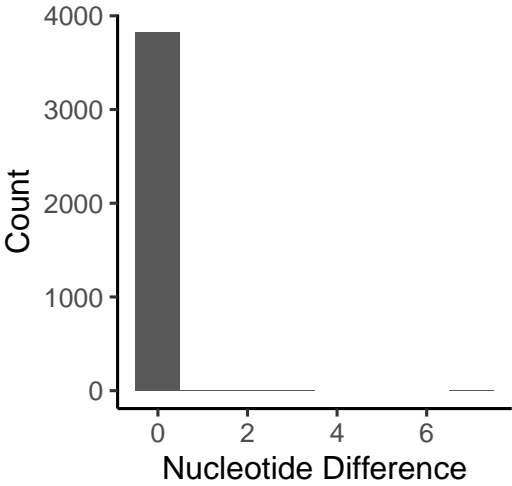


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



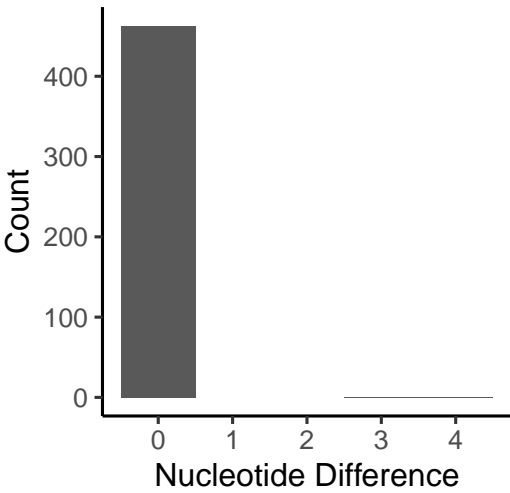
TRBV20-1\*ap01

3832 sequences assigned  
3823 (99.8%) exact matches, in which:  
3823 unique CDR3  
13 unique J



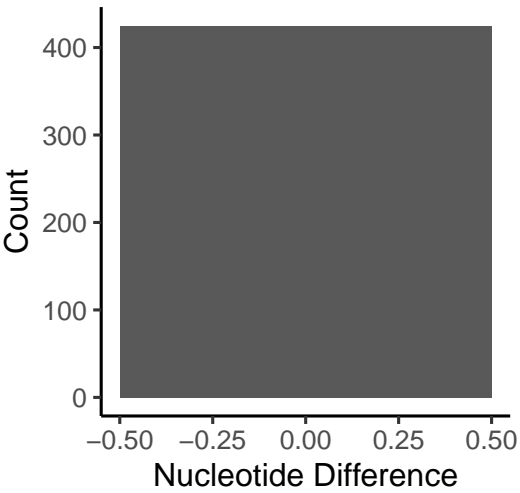
TRBV10-3\*ap01

465 sequences assigned  
463 (99.6%) exact matches, in which:  
463 unique CDR3  
12 unique J



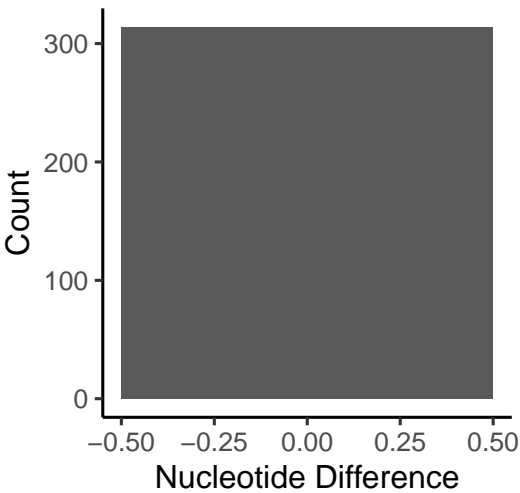
TRBV14\*ap01

425 sequences assigned  
425 (100%) exact matches, in which:  
425 unique CDR3  
12 unique J



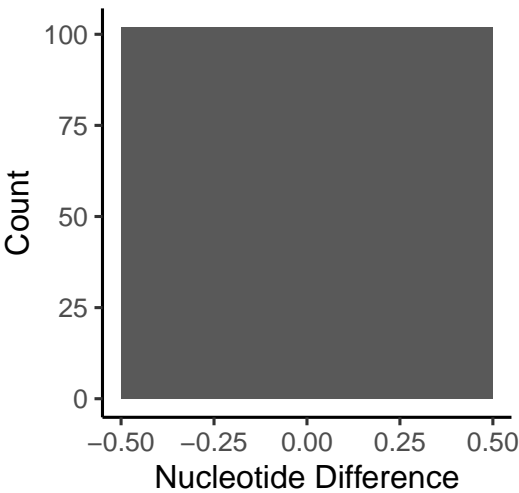
TRBV10-1\*ap01

314 sequences assigned  
314 (100%) exact matches, in which:  
314 unique CDR3  
12 unique J



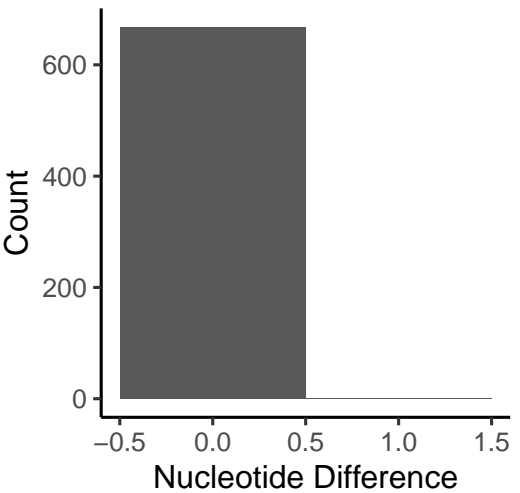
TRBV1\*ap01

102 sequences assigned  
102 (100%) exact matches, in which:  
102 unique CDR3  
12 unique J



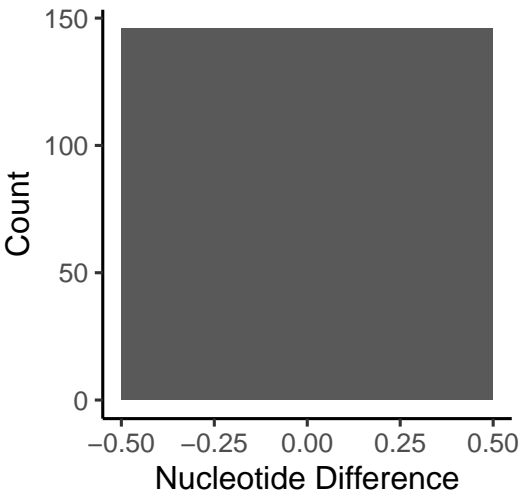
TRBV15\*ap02

669 sequences assigned  
668 (99.9%) exact matches, in which:  
667 unique CDR3  
12 unique J



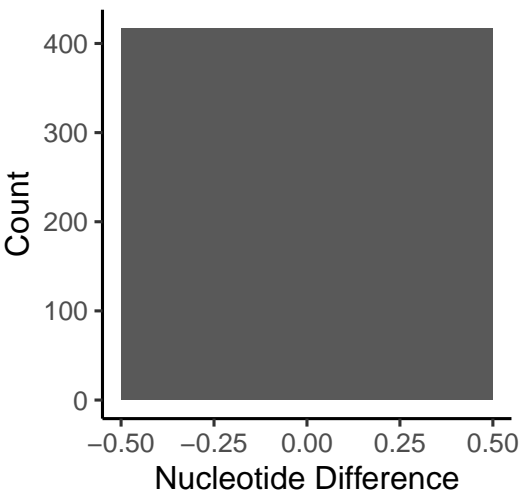
TRBV10-2\*ap01

146 sequences assigned  
146 (100%) exact matches, in which:  
146 unique CDR3  
12 unique J



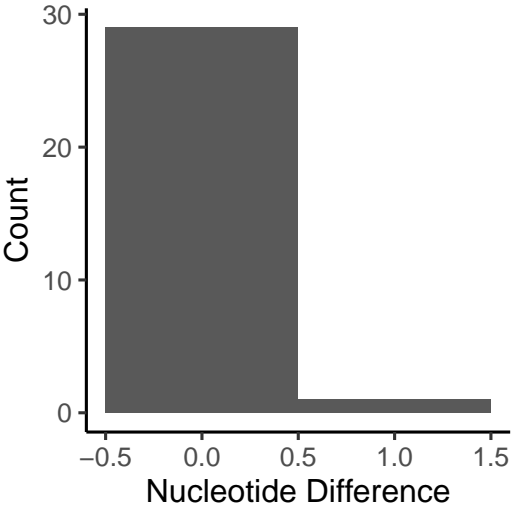
TRBV13\*ap01

417 sequences assigned  
417 (100%) exact matches, in which:  
416 unique CDR3  
12 unique J



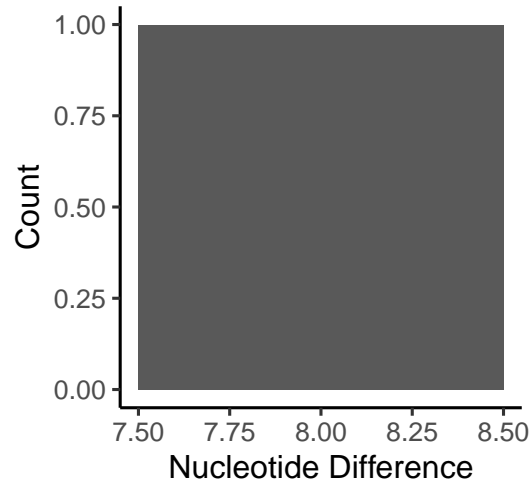
TRBV16\*ap01

30 sequences assigned  
29 (96.7%) exact matches, in which:  
29 unique CDR3  
10 unique J



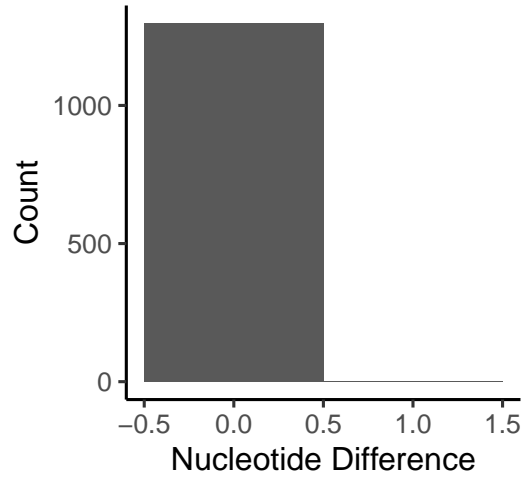
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



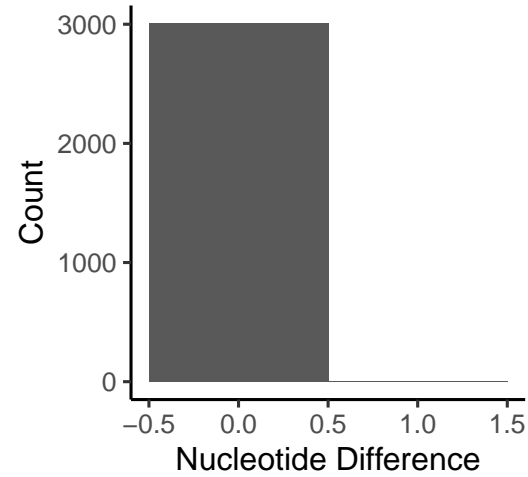
### TRBV2\*ap01

1298 sequences assigned  
1297 (99.9%) exact matches, in which:  
1295 unique CDR3  
13 unique J



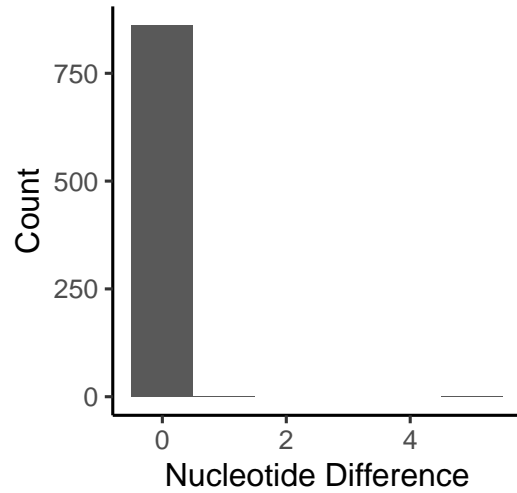
### TRBV28\*ap01

3008 sequences assigned  
3007 (100%) exact matches, in which:  
3007 unique CDR3  
13 unique J



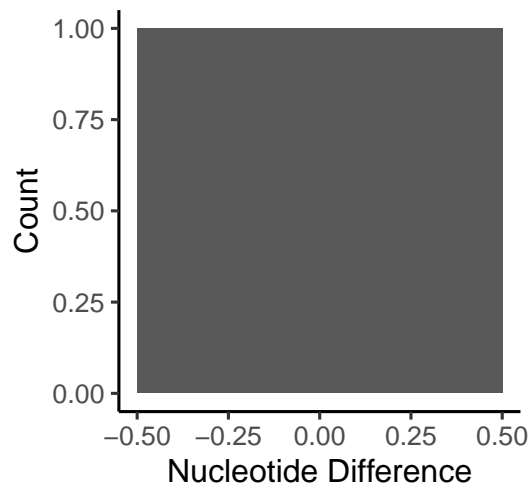
### TRBV18\*ap01

864 sequences assigned  
862 (99.8%) exact matches, in which:  
862 unique CDR3  
12 unique J



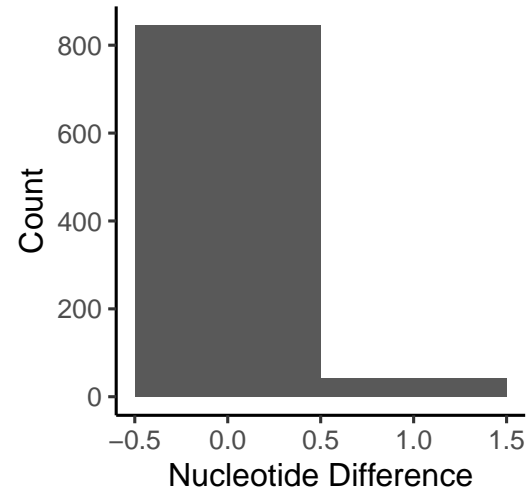
### TRBV26\*ap01

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



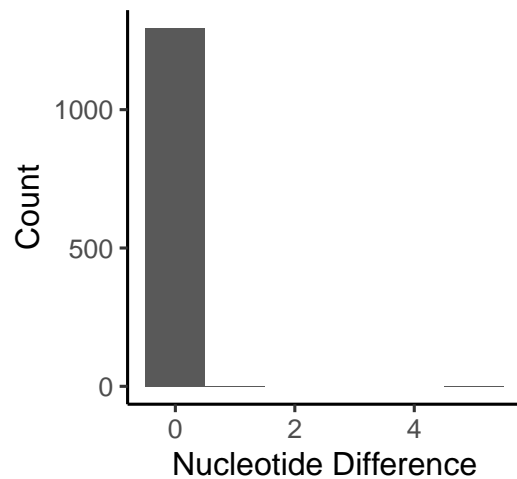
### TRBV30\*ap01

889 sequences assigned  
846 (95.2%) exact matches, in which:  
843 unique CDR3  
12 unique J



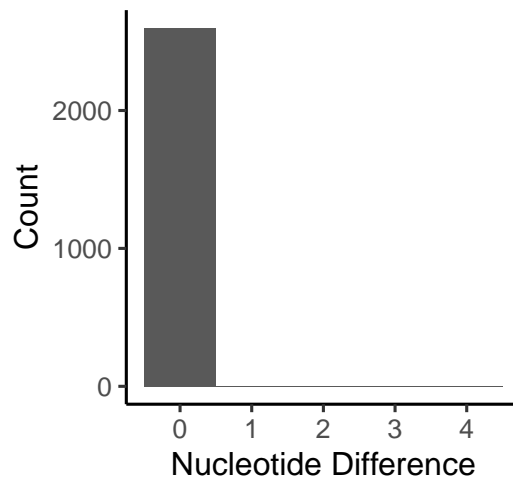
### TRBV19\*ap01

1297 sequences assigned  
1295 (99.8%) exact matches, in which:  
1295 unique CDR3  
13 unique J



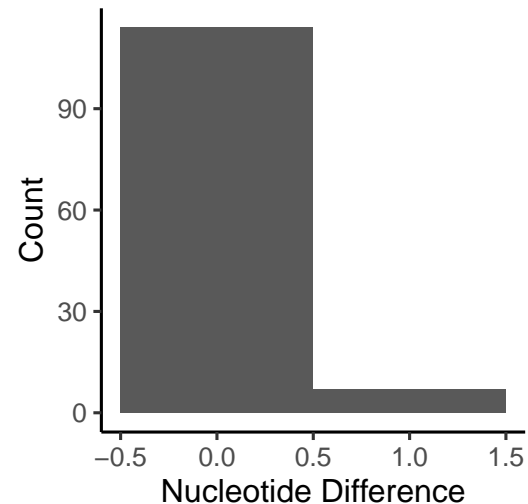
### TRBV27\*ap01

2604 sequences assigned  
2598 (99.8%) exact matches, in which:  
2592 unique CDR3  
13 unique J



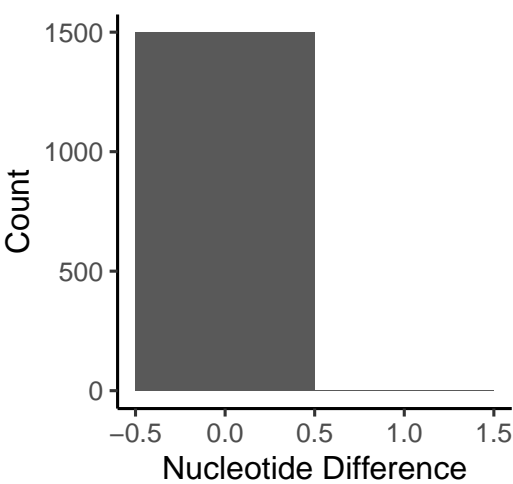
### TRBV30\*ap03

121 sequences assigned  
114 (94.2%) exact matches, in which:  
114 unique CDR3  
11 unique J



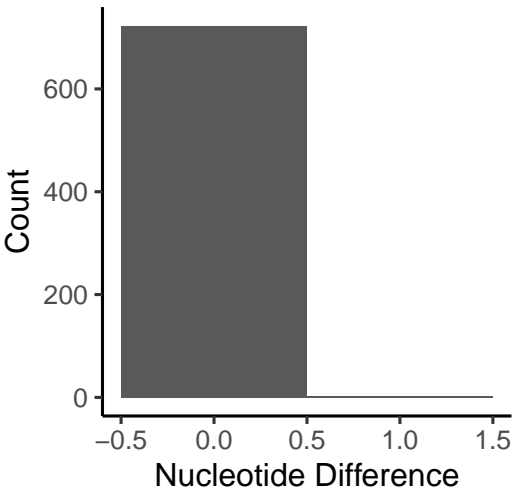
TRBV9\*ap01

1500 sequences assigned  
1499 (99.9%) exact matches, in which:  
1499 unique CDR3  
12 unique J



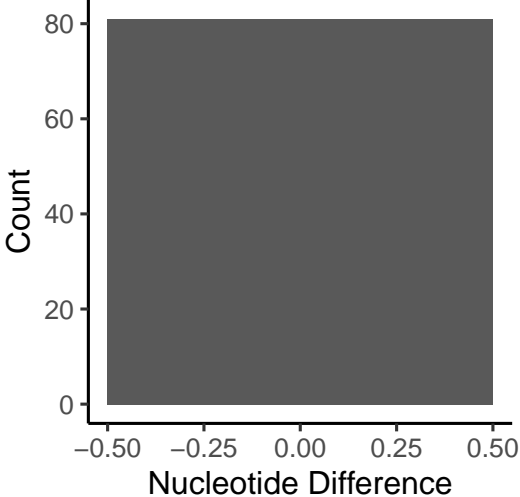
TRBV11-2\*ap01

725 sequences assigned  
723 (99.7%) exact matches, in which:  
723 unique CDR3  
12 unique J



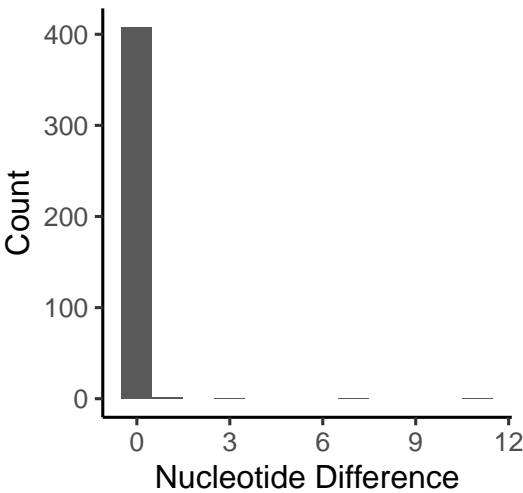
TRBV12-2\*ap01

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



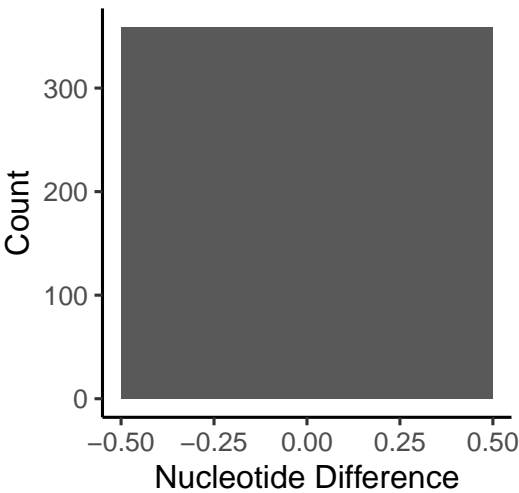
TRBV21-1\*ap01

413 sequences assigned  
408 (98.8%) exact matches, in which:  
408 unique CDR3  
13 unique J



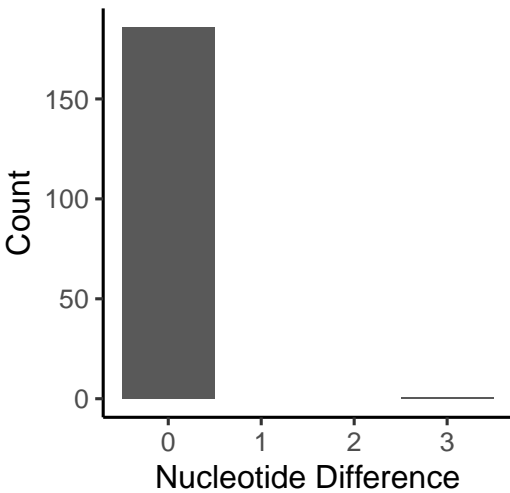
TRBV11-3\*ap01

359 sequences assigned  
359 (100%) exact matches, in which:  
359 unique CDR3  
12 unique J



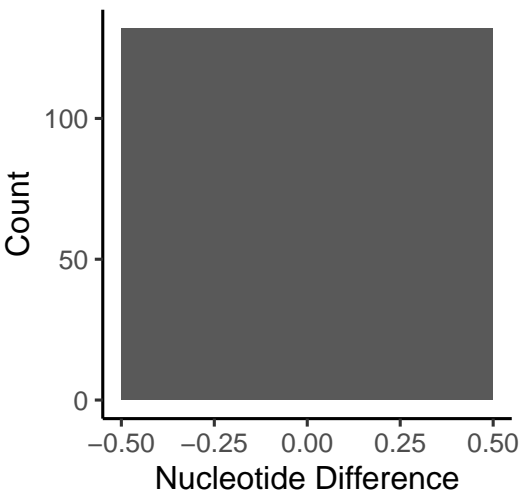
TRBV12-5\*ap01

187 sequences assigned  
186 (99.5%) exact matches, in which:  
182 unique CDR3  
11 unique J



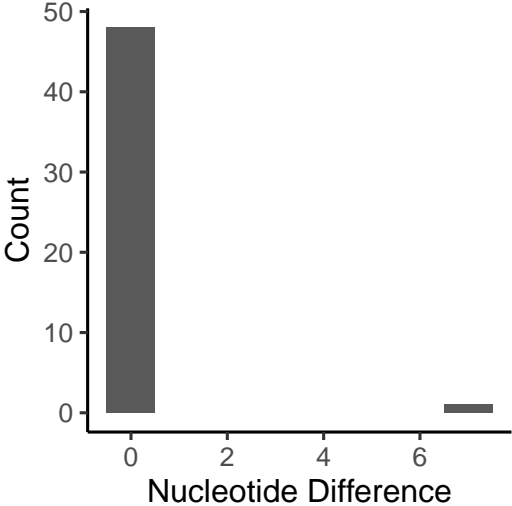
TRBV11-1\*ap01

132 sequences assigned  
132 (100%) exact matches, in which:  
132 unique CDR3  
13 unique J



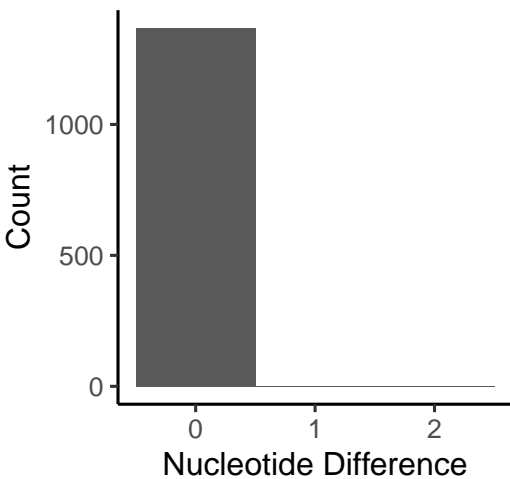
TRBV12-1\*ap01

49 sequences assigned  
48 (98%) exact matches, in which:  
48 unique CDR3  
9 unique J



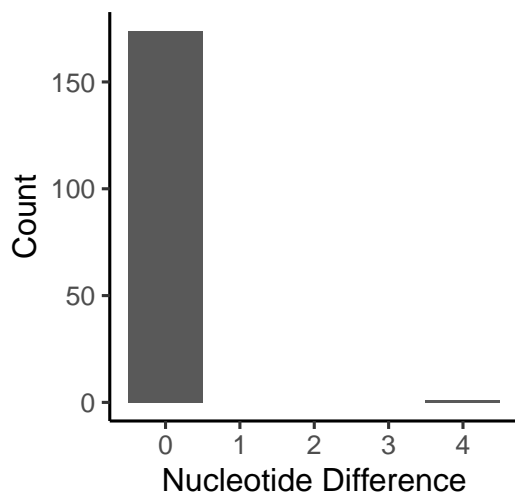
TRBV12-34\*ap01

1371 sequences assigned  
1368 (99.8%) exact matches, in which:  
1365 unique CDR3  
12 unique J



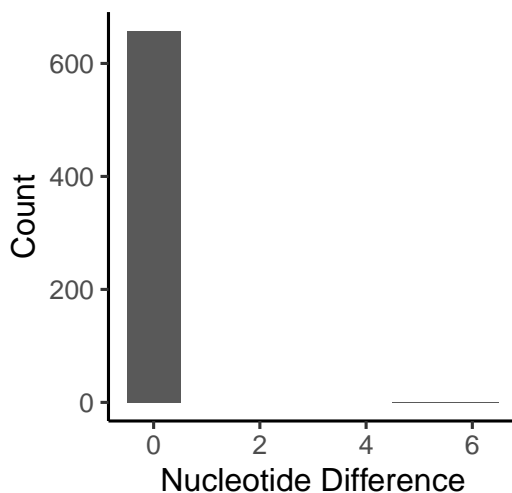
### TRBV23–1\*ap01

175 sequences assigned  
174 (99.4%) exact matches, in which:  
174 unique CDR3  
12 unique J



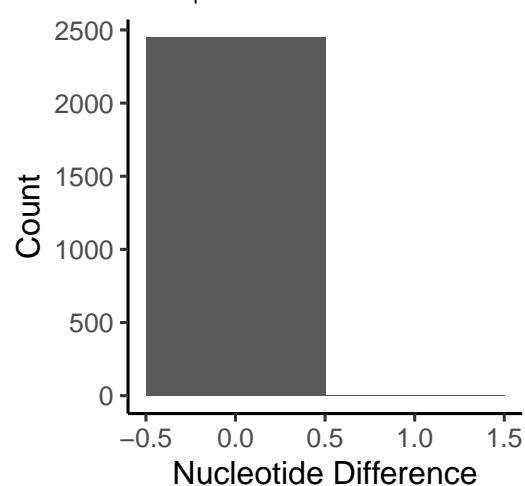
### TRBV4–1\*ap01

660 sequences assigned  
658 (99.7%) exact matches, in which:  
658 unique CDR3  
12 unique J



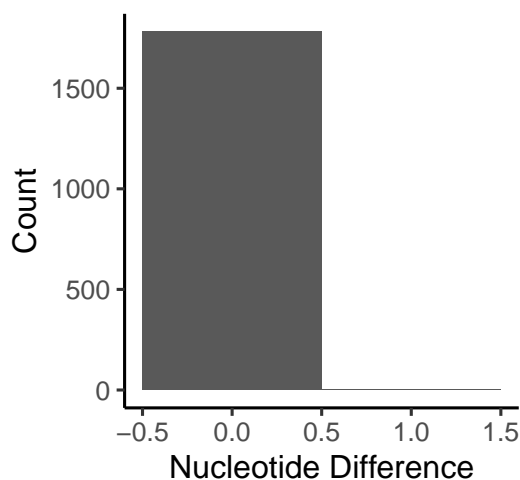
### TRBV5–1\*ap01

2450 sequences assigned  
2449 (100%) exact matches, in which:  
2449 unique CDR3  
13 unique J



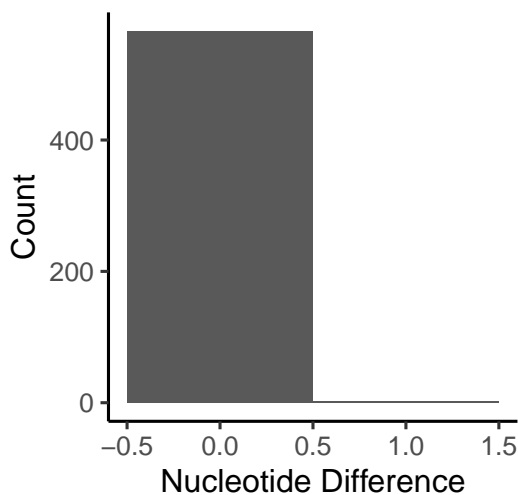
### TRBV3–12\*ap01

1783 sequences assigned  
1781 (99.9%) exact matches, in which:  
1779 unique CDR3  
13 unique J



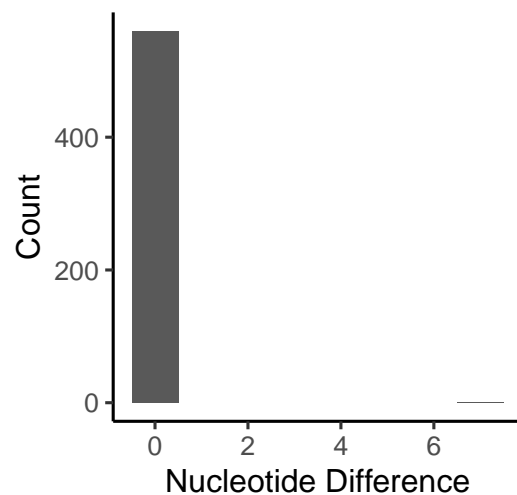
### TRBV4–2\*ap01

569 sequences assigned  
566 (99.5%) exact matches, in which:  
566 unique CDR3  
12 unique J



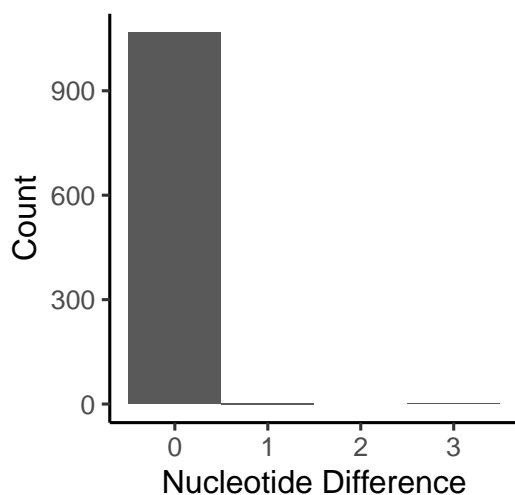
### TRBV25–1\*ap01

561 sequences assigned  
560 (99.8%) exact matches, in which:  
560 unique CDR3  
12 unique J



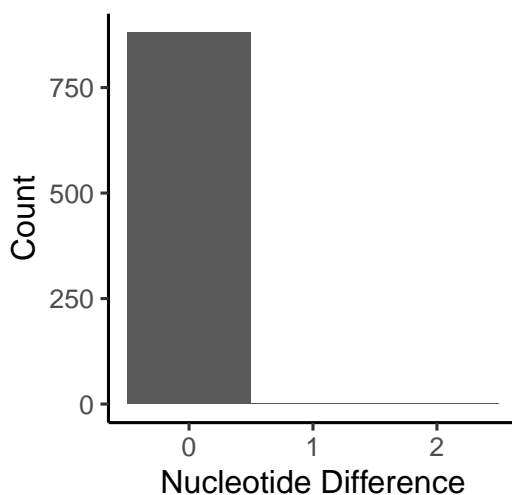
### TRBV24–1\*ap01

1072 sequences assigned  
1068 (99.6%) exact matches, in which:  
1064 unique CDR3  
12 unique J



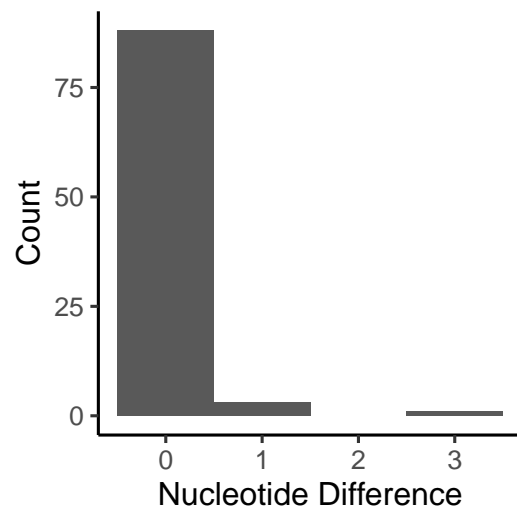
### TRBV4–3\*ap01

883 sequences assigned  
881 (99.8%) exact matches, in which:  
881 unique CDR3  
12 unique J



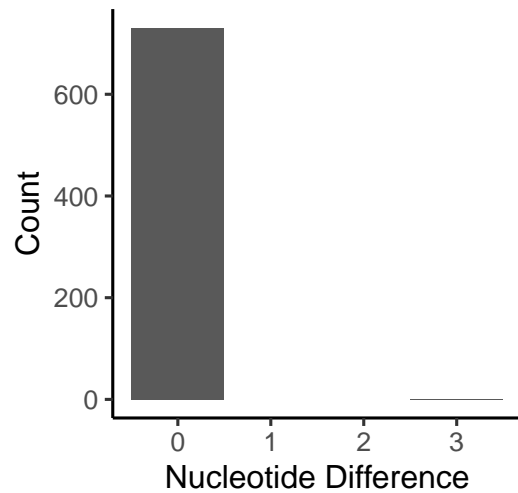
### TRBV5–3\*ap01

92 sequences assigned  
88 (95.7%) exact matches, in which:  
88 unique CDR3  
11 unique J



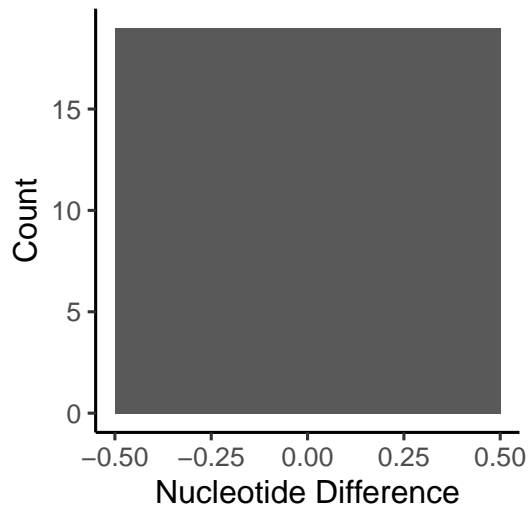
### TRBV5-4\*ap01

732 sequences assigned  
731 (99.9%) exact matches, in which:  
731 unique CDR3  
12 unique J



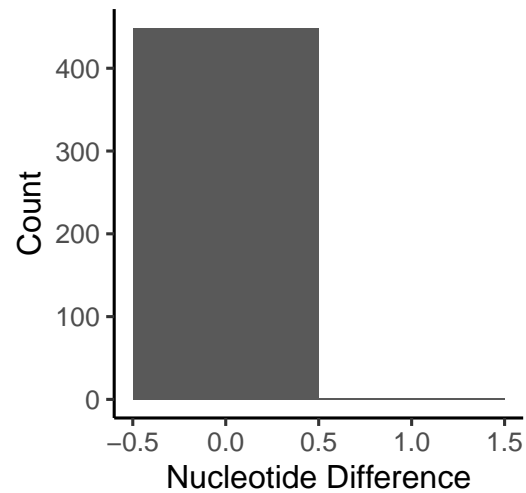
### TRBV5-7\*ap01

19 sequences assigned  
19 (100%) exact matches, in which:  
19 unique CDR3  
10 unique J



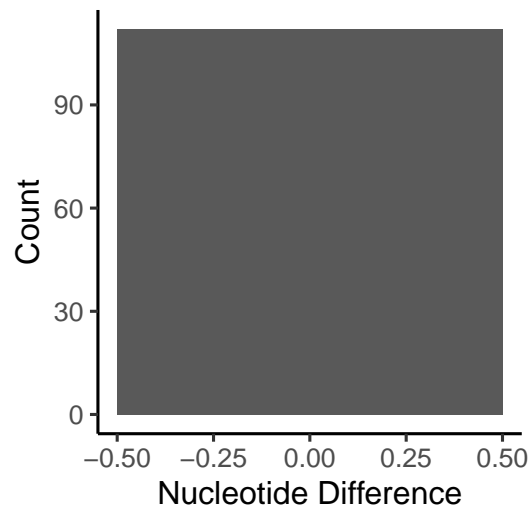
### TRBV6-4\*ap01

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



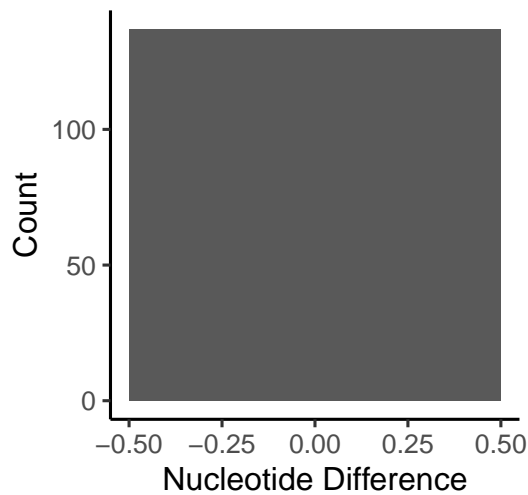
### TRBV5-5\*ap01

112 sequences assigned  
112 (100%) exact matches, in which:  
112 unique CDR3  
12 unique J



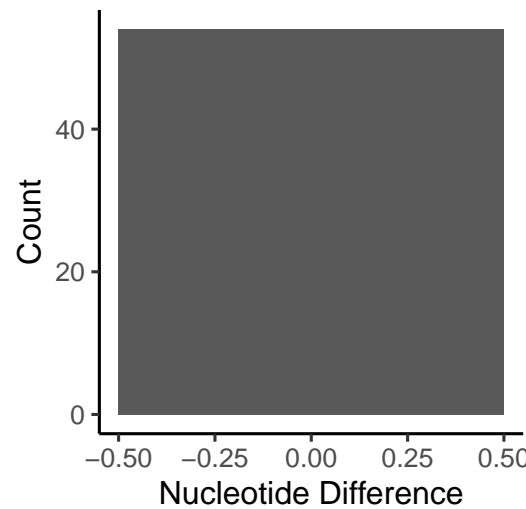
### TRBV5-8\*ap01

137 sequences assigned  
137 (100%) exact matches, in which:  
137 unique CDR3  
12 unique J



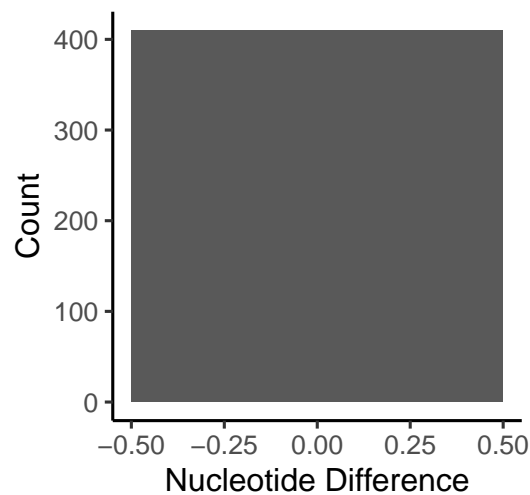
### TRBV6-7\*ap01

54 sequences assigned  
54 (100%) exact matches, in which:  
54 unique CDR3  
11 unique J



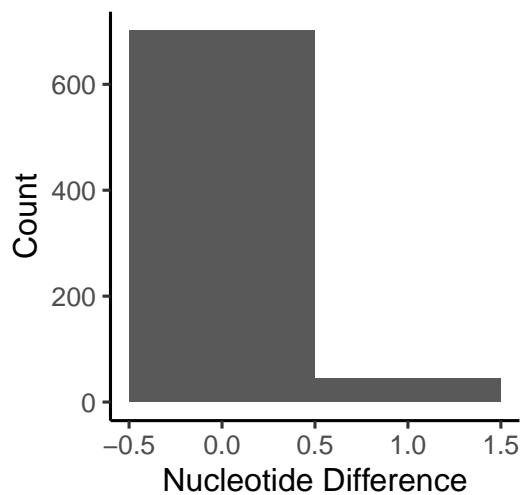
### TRBV5-6\*ap01

410 sequences assigned  
410 (100%) exact matches, in which:  
410 unique CDR3  
12 unique J



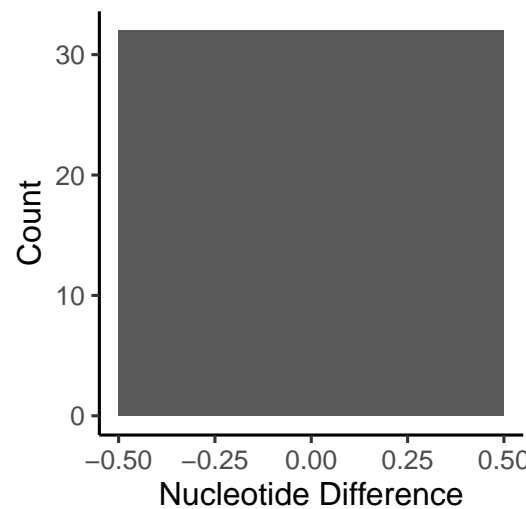
### TRBV6-1\*ap01

746 sequences assigned  
702 (94.1%) exact matches, in which:  
702 unique CDR3  
12 unique J



### TRBV6-8\*ap01

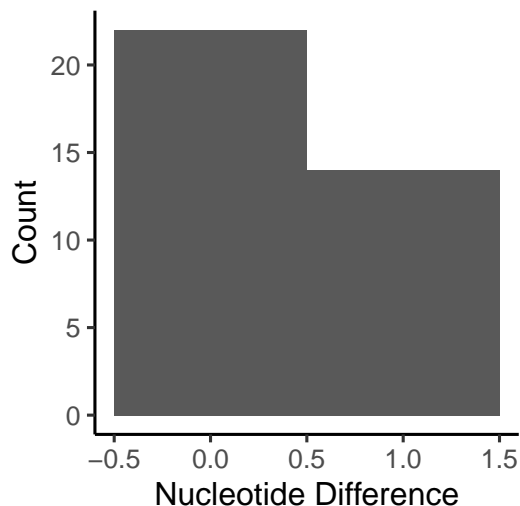
32 sequences assigned  
32 (100%) exact matches, in which:  
32 unique CDR3  
10 unique J





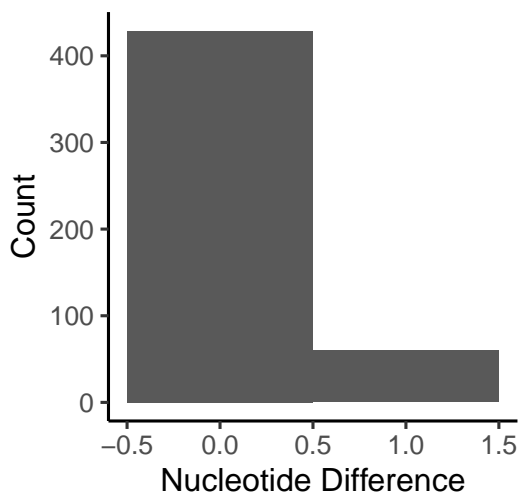
### TRBV6–9\*ap01

36 sequences assigned  
22 (61.1%) exact matches, in which:  
22 unique CDR3  
10 unique J



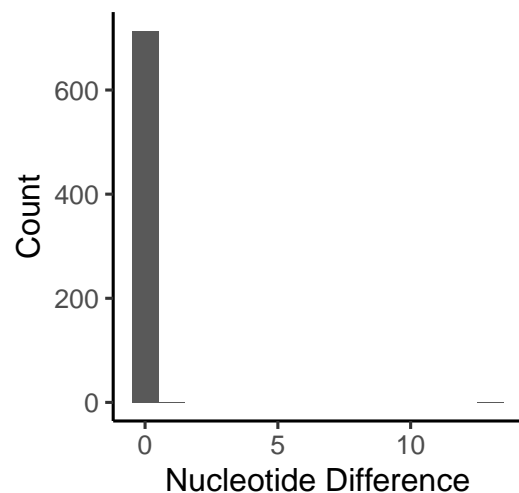
### TRBV6–56\*ap02

489 sequences assigned  
429 (87.7%) exact matches, in which:  
429 unique CDR3  
12 unique J



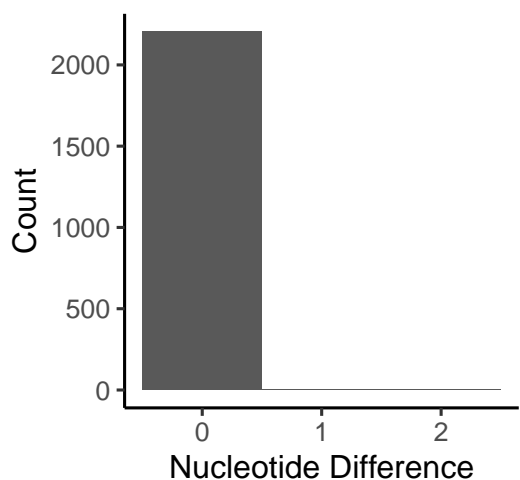
### TRBV7–3\*ap01

716 sequences assigned  
714 (99.7%) exact matches, in which:  
714 unique CDR3  
12 unique J



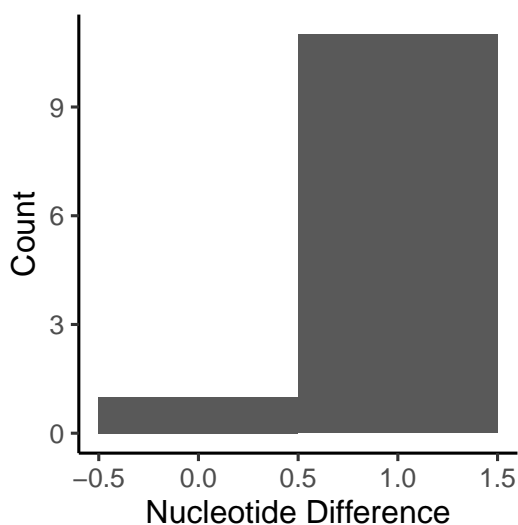
### TRBV6–23\*ap01

2207 sequences assigned  
2204 (99.9%) exact matches, in which:  
2203 unique CDR3  
13 unique J



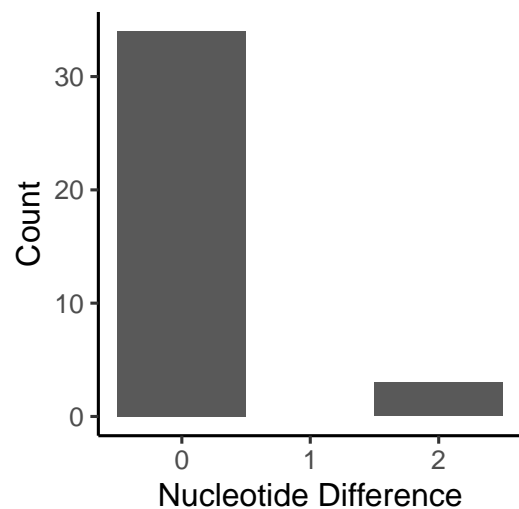
### TRBV7–1\*ap01\_T296C

12 sequences assigned  
1 (8.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



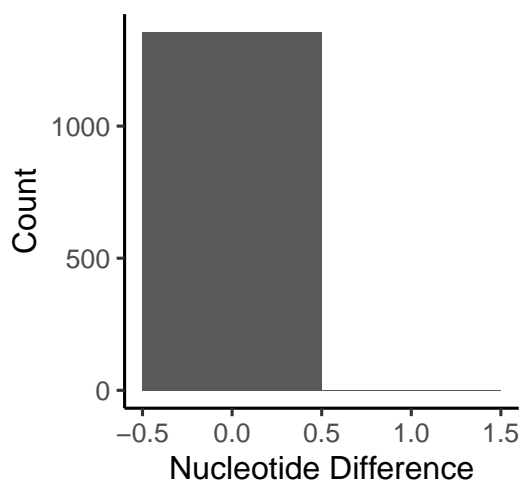
### TRBV7–4\*ap01

37 sequences assigned  
34 (91.9%) exact matches, in which:  
34 unique CDR3  
10 unique J



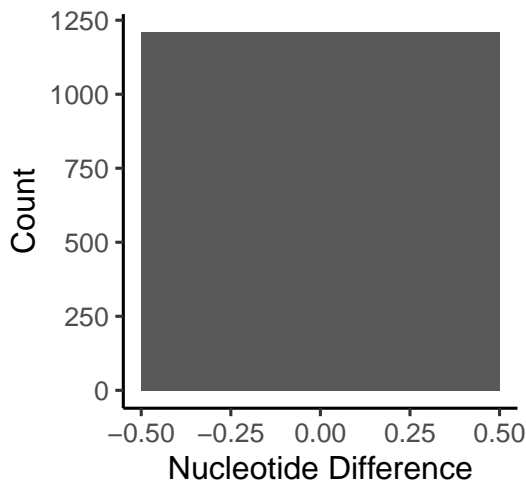
### TRBV6–56\*ap01

1357 sequences assigned  
1356 (99.9%) exact matches, in which:  
1356 unique CDR3  
12 unique J



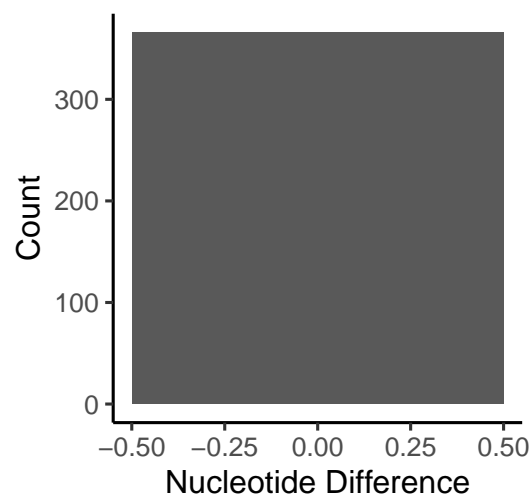
### TRBV7–2\*ap01

1210 sequences assigned  
1210 (100%) exact matches, in which:  
1210 unique CDR3  
13 unique J



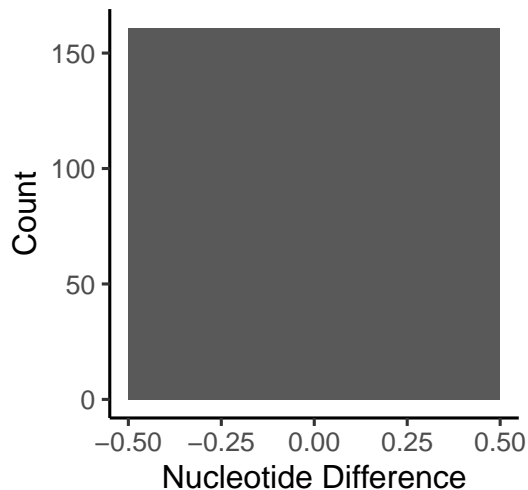
### TRBV7–6\*ap01

366 sequences assigned  
366 (100%) exact matches, in which:  
366 unique CDR3  
12 unique J



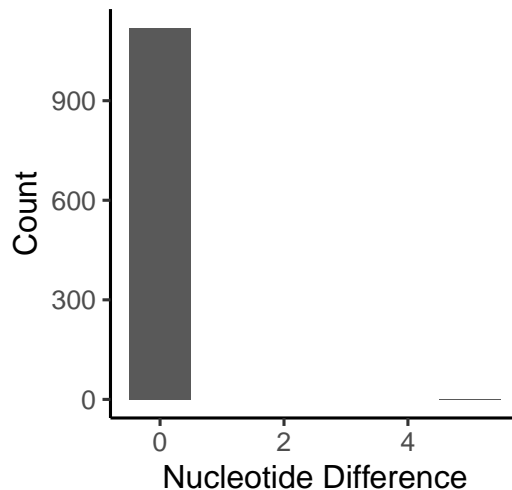
### TRBV7-7\*ap01\_C315T

161 sequences assigned  
161 (100%) exact matches, in which:  
161 unique CDR3  
12 unique J



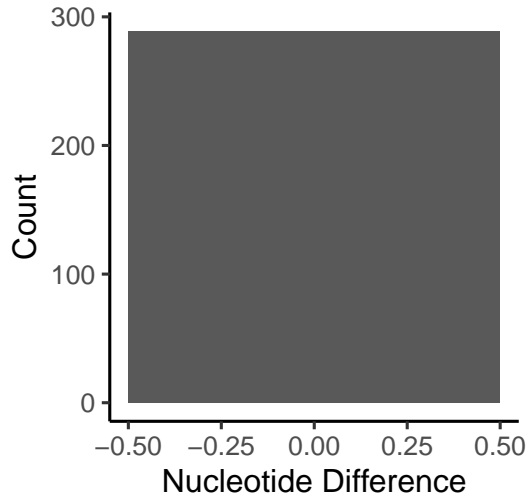
### TRBV7-9\*ap01

1121 sequences assigned  
1120 (99.9%) exact matches, in which:  
1120 unique CDR3  
13 unique J



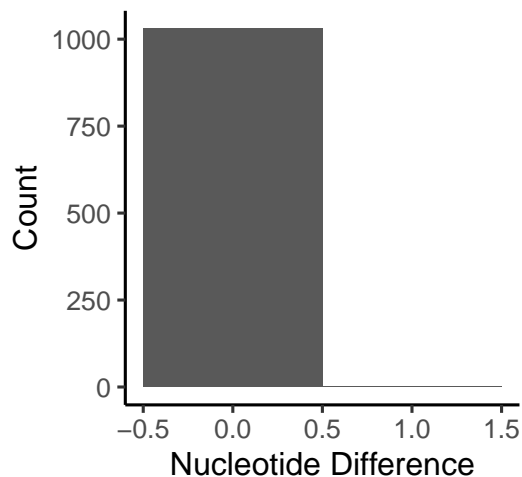
### TRBV7-8\*ap01

289 sequences assigned  
289 (100%) exact matches, in which:  
289 unique CDR3  
12 unique J



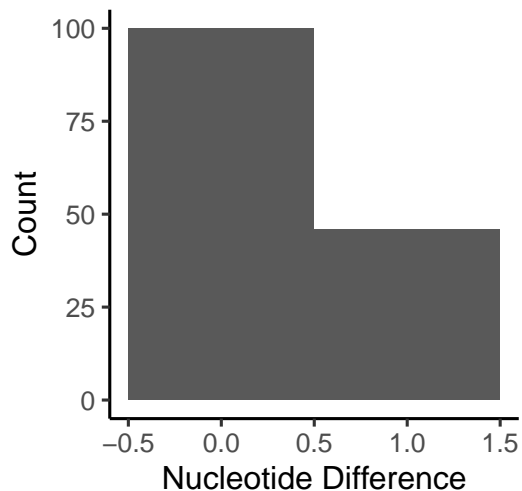
### TRBV29-1\*ap01

1031 sequences assigned  
1030 (99.9%) exact matches, in which:  
1024 unique CDR3  
13 unique J



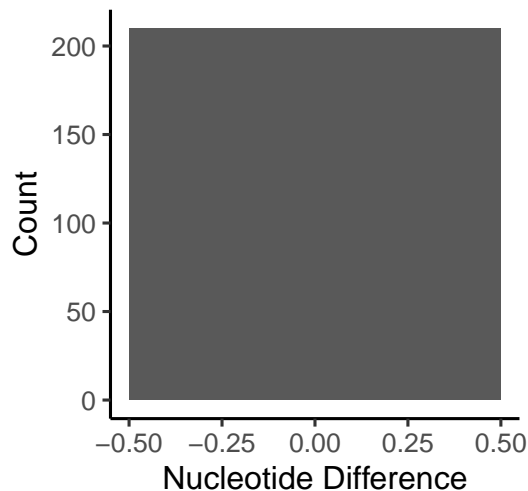
### TRBV7-8\*ap03

146 sequences assigned  
100 (68.5%) exact matches, in which:  
100 unique CDR3  
12 unique J

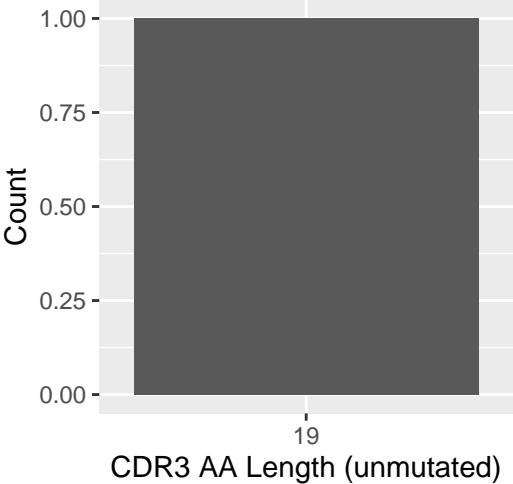


### TRBV29-1\*ap02

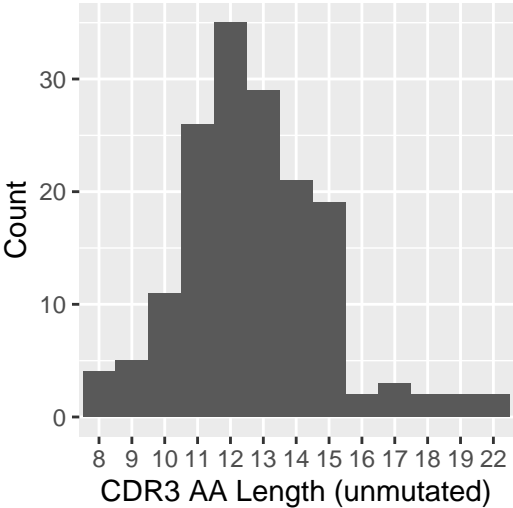
210 sequences assigned  
210 (100%) exact matches, in which:  
208 unique CDR3  
12 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





[illegible]