

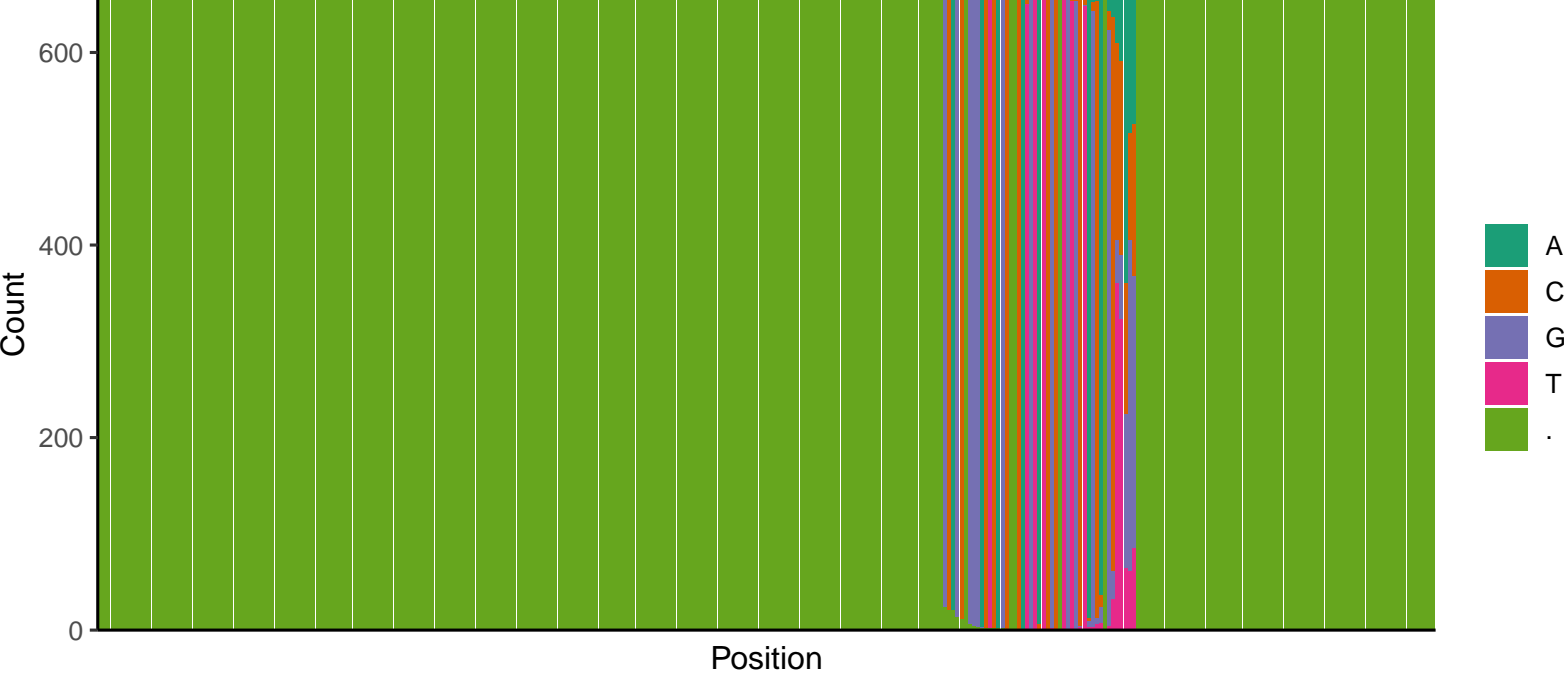
Gene TRBV23-1\*ap01\_T304C



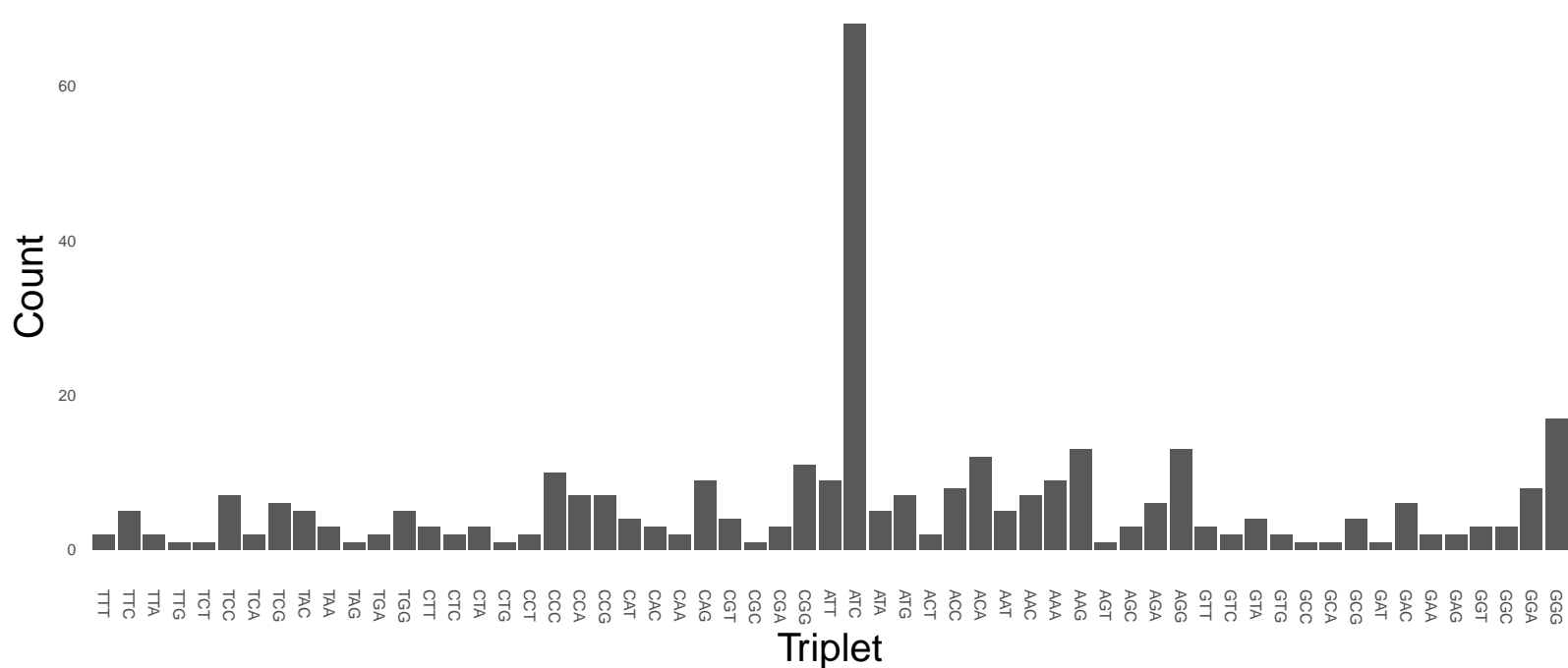
Gene TRBV7-1\*ap01\_T296C



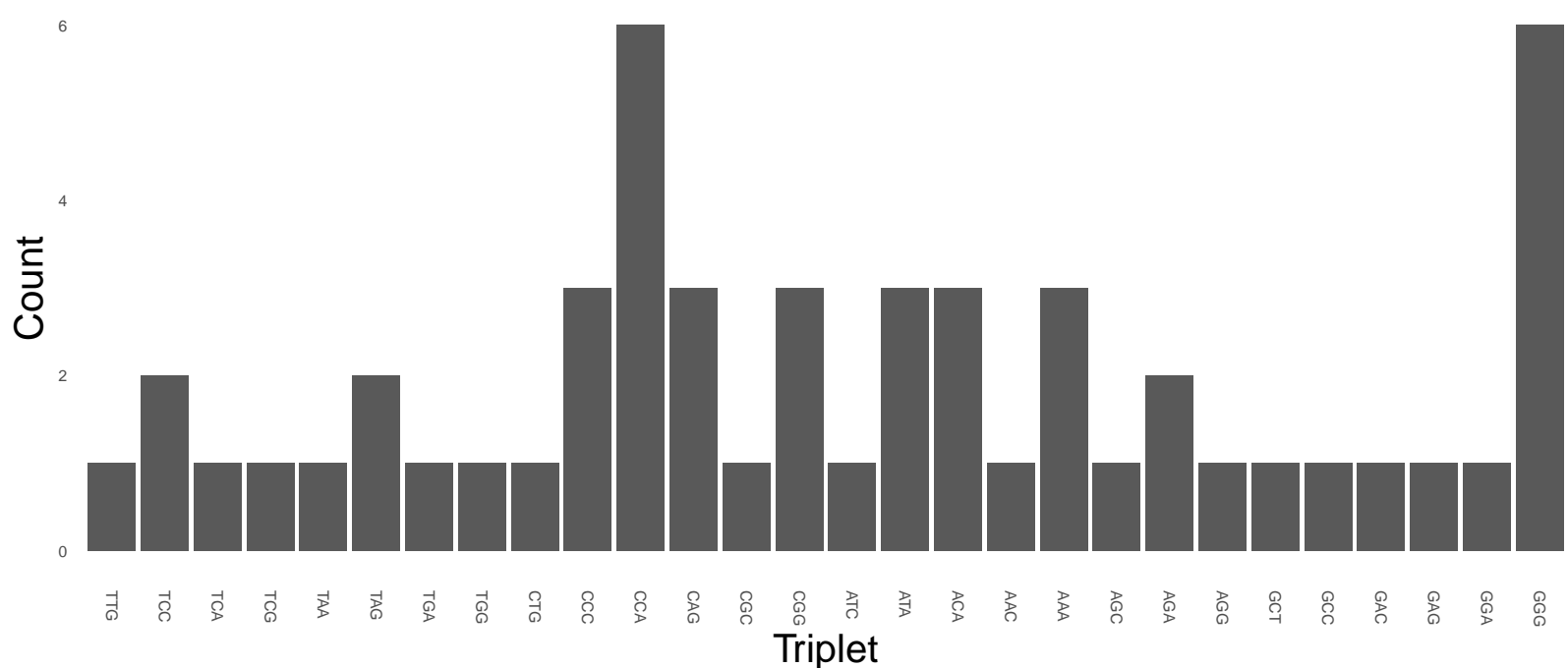
Gene TRBV7-7\*ap01\_C315T



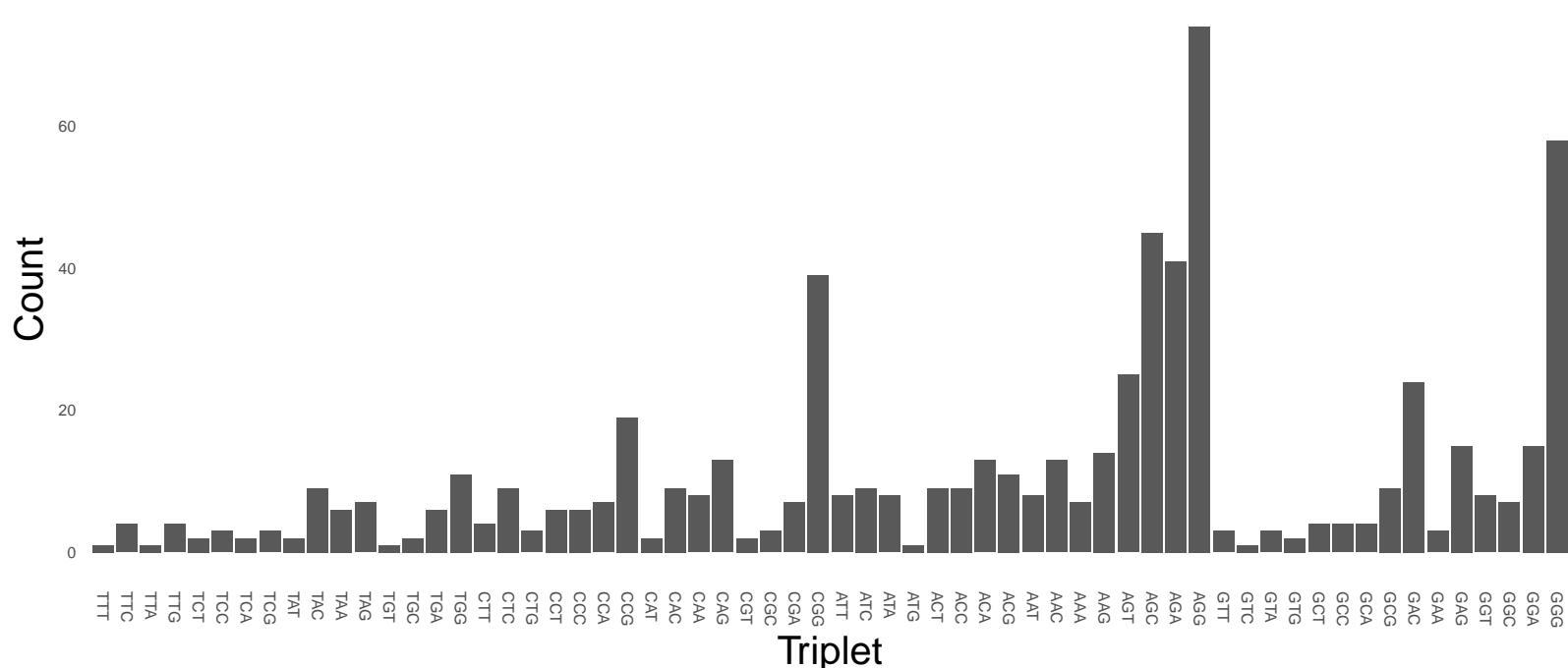
TRBV23-1\*ap01\_T304C- Final 3 nucleotides as a triplet



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

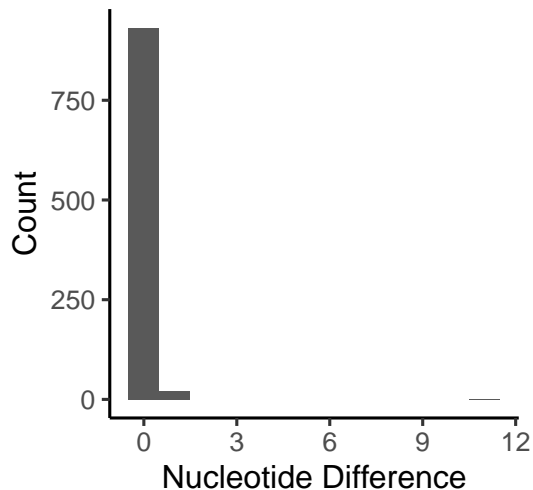


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



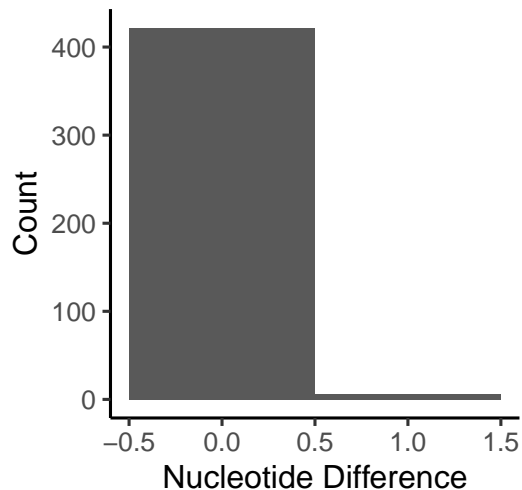
### TRBV10–1\*ap01

954 sequences assigned  
932 (97.7%) exact matches, in which:  
929 unique CDR3  
13 unique J



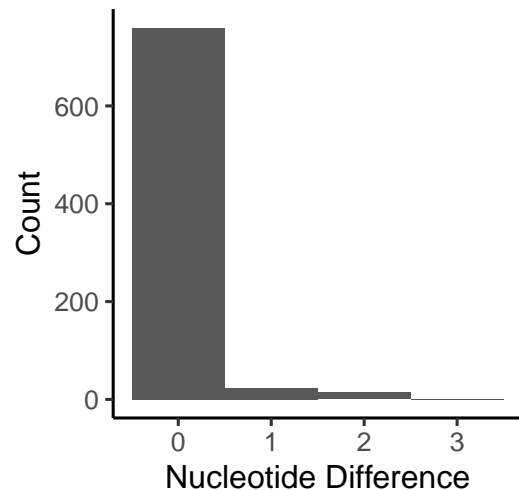
### TRBV10–2\*ap01

428 sequences assigned  
422 (98.6%) exact matches, in which:  
418 unique CDR3  
13 unique J



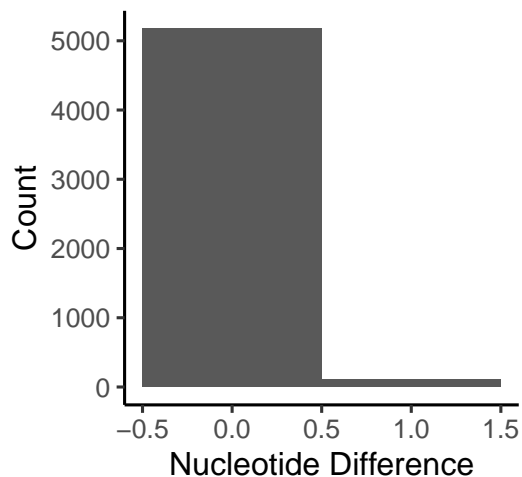
### TRBV13\*ap01

798 sequences assigned  
760 (95.2%) exact matches, in which:  
750 unique CDR3  
13 unique J



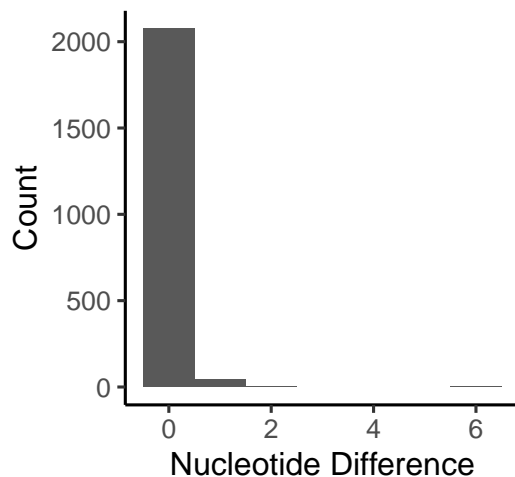
### TRBV20–1\*ap01

5280 sequences assigned  
5174 (98%) exact matches, in which:  
5121 unique CDR3  
13 unique J



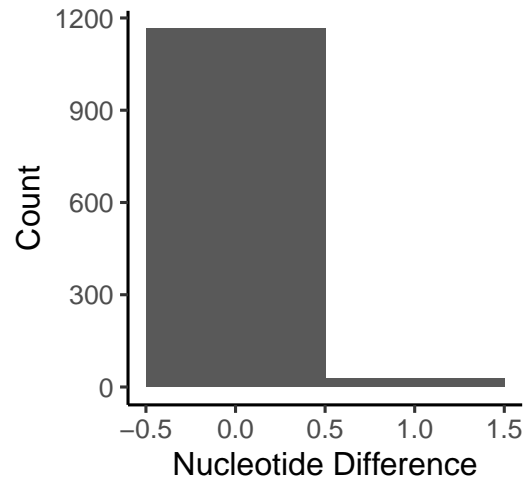
### TRBV10–3\*ap01

2123 sequences assigned  
2075 (97.7%) exact matches, in which:  
2050 unique CDR3  
13 unique J



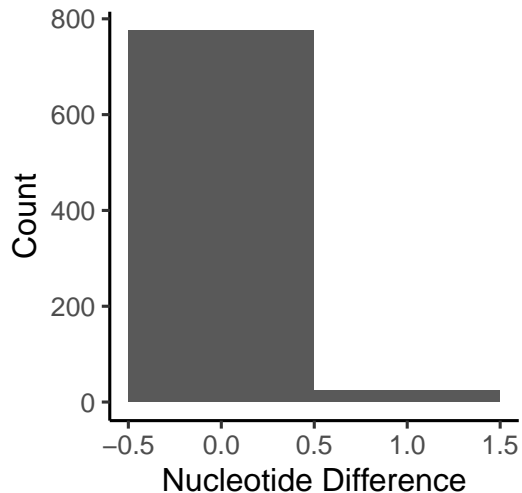
### TRBV14\*ap01

1193 sequences assigned  
1165 (97.7%) exact matches, in which:  
1158 unique CDR3  
13 unique J



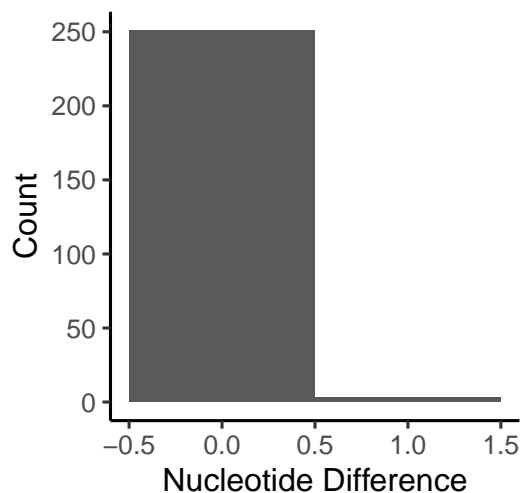
### TRBV20–1\*ap02

800 sequences assigned  
776 (97%) exact matches, in which:  
771 unique CDR3  
13 unique J



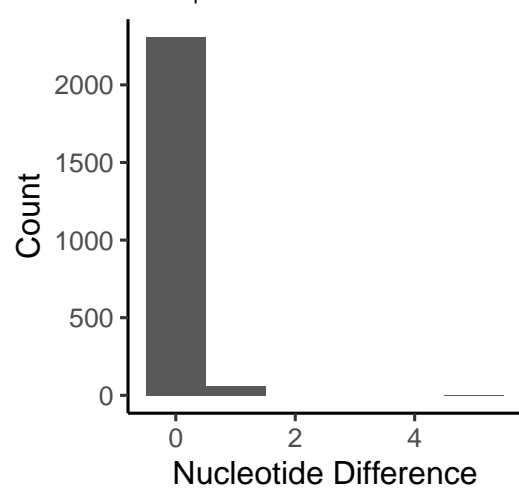
### TRBV1\*ap01

254 sequences assigned  
251 (98.8%) exact matches, in which:  
246 unique CDR3  
12 unique J



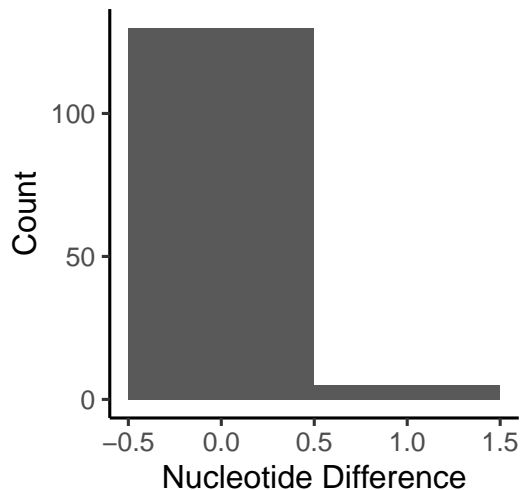
### TRBV15\*ap02

2370 sequences assigned  
2308 (97.4%) exact matches, in which:  
2277 unique CDR3  
13 unique J



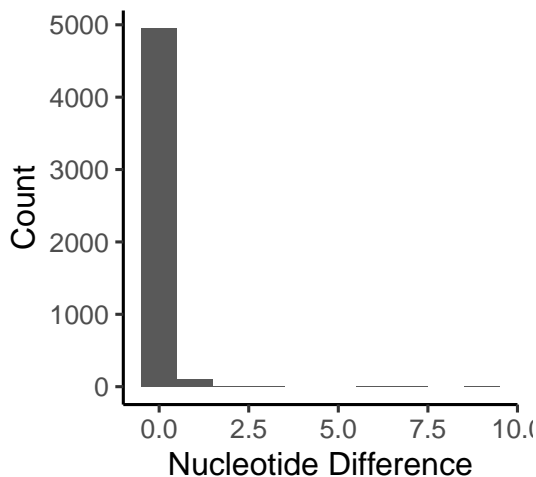
### TRBV16\*ap01

135 sequences assigned  
130 (96.3%) exact matches, in which:  
129 unique CDR3  
12 unique J



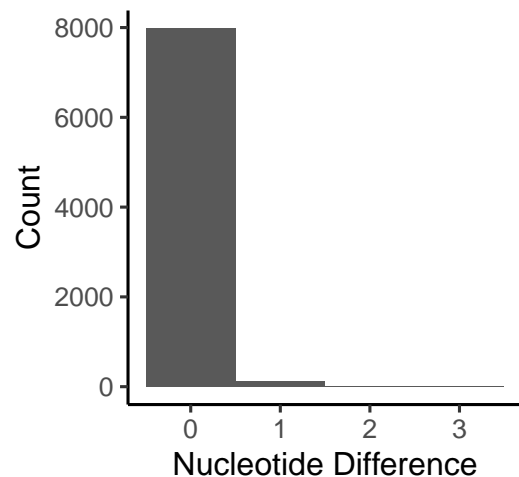
### TRBV19\*ap01

5055 sequences assigned  
4950 (97.9%) exact matches, in which:  
4910 unique CDR3  
13 unique J



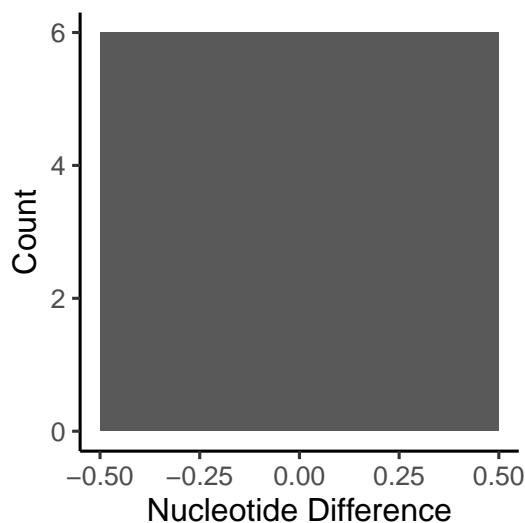
### TRBV28\*ap01

8115 sequences assigned  
7981 (98.3%) exact matches, in which:  
7915 unique CDR3  
13 unique J



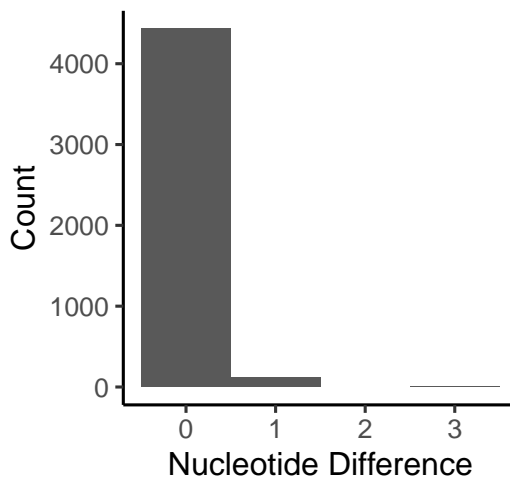
### TRBV17\*ap01

6 sequences assigned  
6 (100%) exact matches, in which:  
6 unique CDR3  
6 unique J



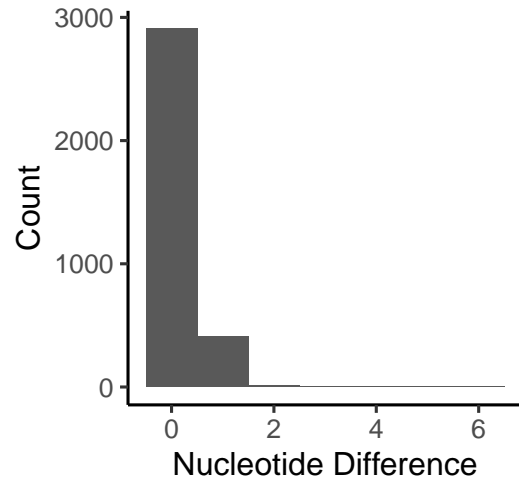
### TRBV2\*ap01

4553 sequences assigned  
4433 (97.4%) exact matches, in which:  
4398 unique CDR3  
13 unique J



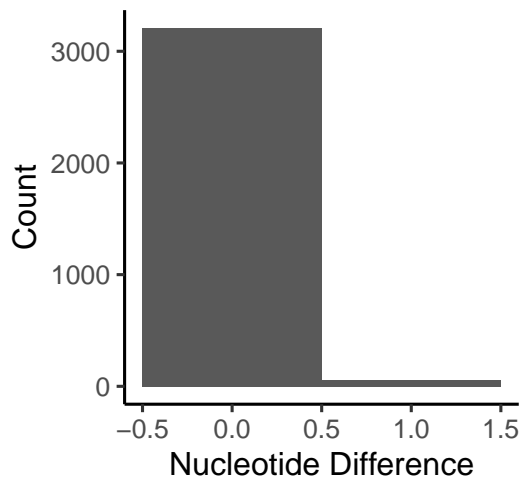
### TRBV30\*ap01

3335 sequences assigned  
2908 (87.2%) exact matches, in which:  
2868 unique CDR3  
13 unique J



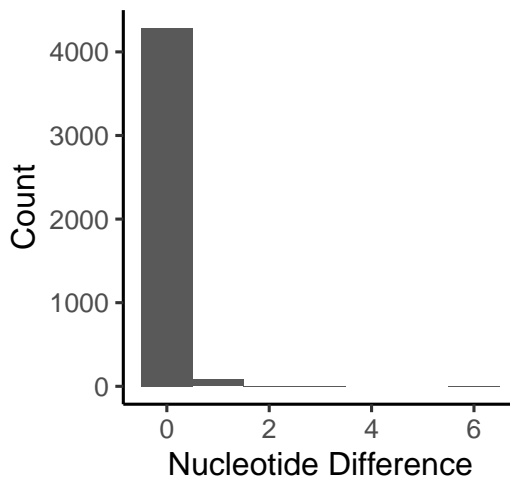
### TRBV18\*ap01

3266 sequences assigned  
3208 (98.2%) exact matches, in which:  
3186 unique CDR3  
13 unique J



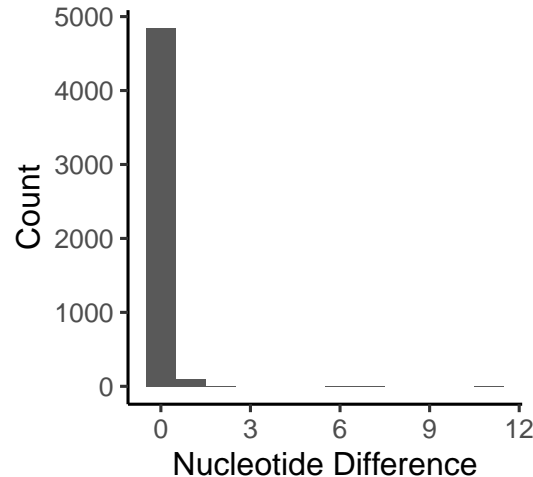
### TRBV27\*ap01

4373 sequences assigned  
4285 (98%) exact matches, in which:  
4239 unique CDR3  
13 unique J



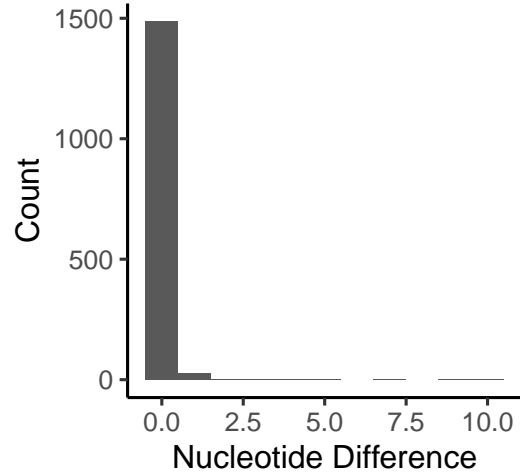
### TRBV9\*ap01

4950 sequences assigned  
4845 (97.9%) exact matches, in which:  
4801 unique CDR3  
13 unique J



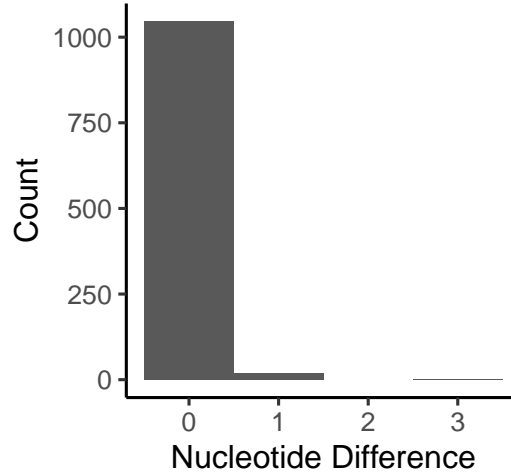
### TRBV21-1\*ap01

1521 sequences assigned  
1487 (97.8%) exact matches, in which:  
1467 unique CDR3  
13 unique J



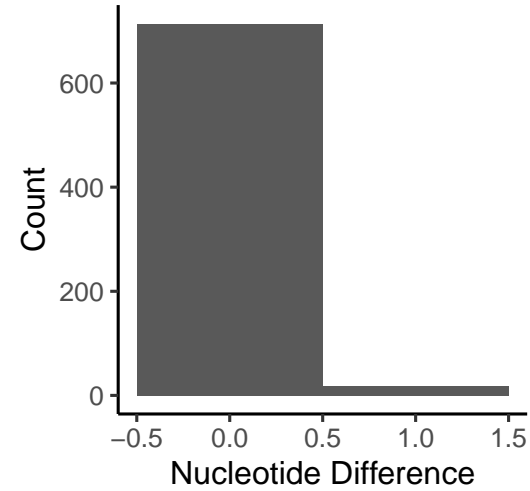
### TRBV11-3\*ap01

1066 sequences assigned  
1046 (98.1%) exact matches, in which:  
1038 unique CDR3  
13 unique J



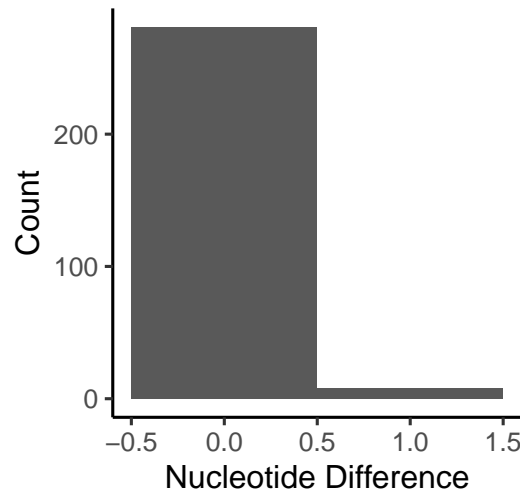
### TRBV12-5\*ap01

732 sequences assigned  
714 (97.5%) exact matches, in which:  
707 unique CDR3  
13 unique J



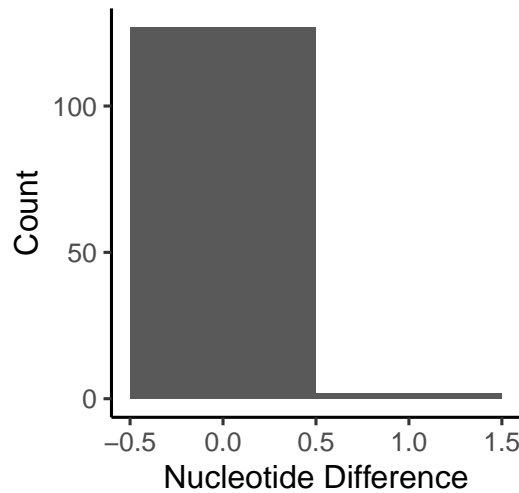
### TRBV11-1\*ap01

289 sequences assigned  
281 (97.2%) exact matches, in which:  
280 unique CDR3  
12 unique J



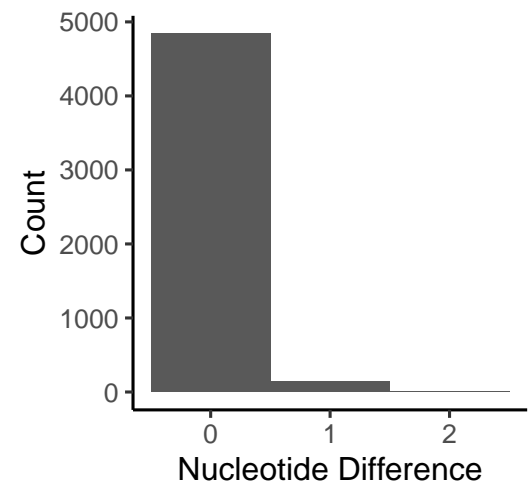
### TRBV12-1\*ap01

129 sequences assigned  
127 (98.4%) exact matches, in which:  
126 unique CDR3  
12 unique J



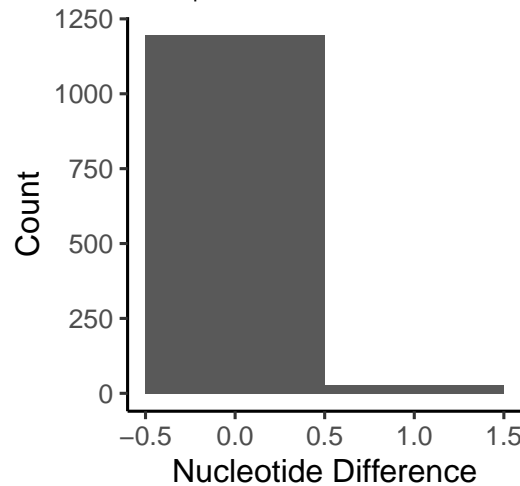
### TRBV12-34\*ap01

4980 sequences assigned  
4840 (97.2%) exact matches, in which:  
4791 unique CDR3  
13 unique J



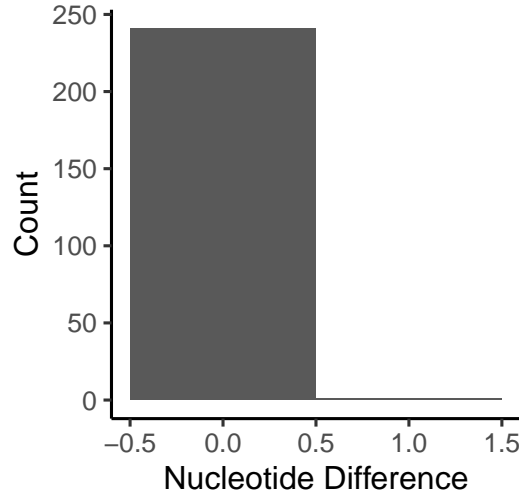
### TRBV11-2\*ap01

1223 sequences assigned  
1196 (97.8%) exact matches, in which:  
1184 unique CDR3  
13 unique J



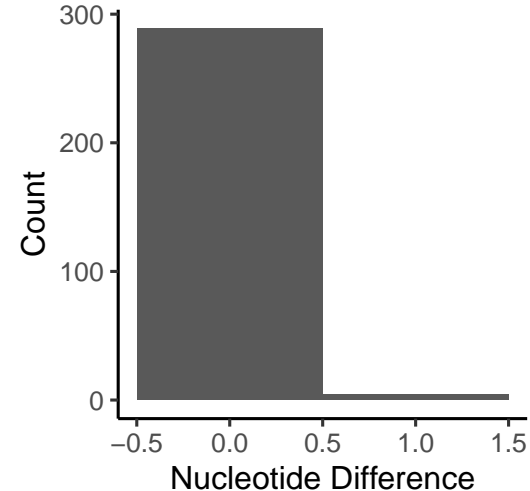
### TRBV12-2\*ap01

242 sequences assigned  
241 (99.6%) exact matches, in which:  
238 unique CDR3  
12 unique J



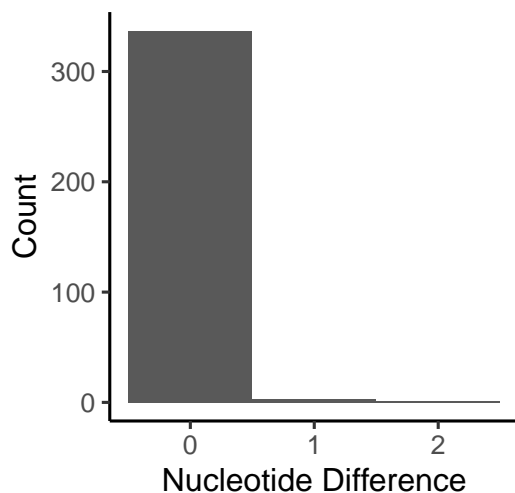
### TRBV23-1\*ap01

293 sequences assigned  
289 (98.6%) exact matches, in which:  
288 unique CDR3  
13 unique J



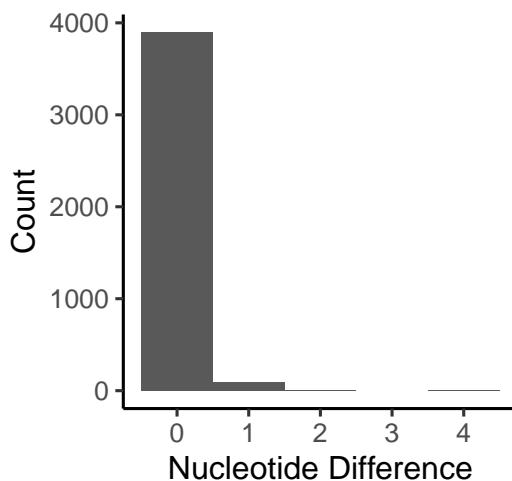
### TRBV23–1\*ap01\_T304C

341 sequences assigned  
337 (98.8%) exact matches, in which:  
335 unique CDR3  
13 unique J



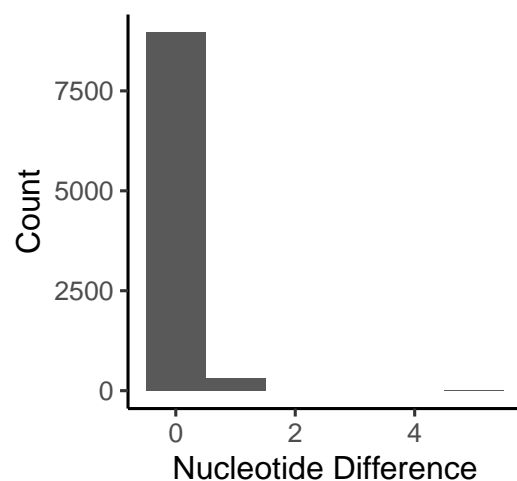
### TRBV24–1\*ap01

3990 sequences assigned  
3896 (97.6%) exact matches, in which:  
3851 unique CDR3  
13 unique J



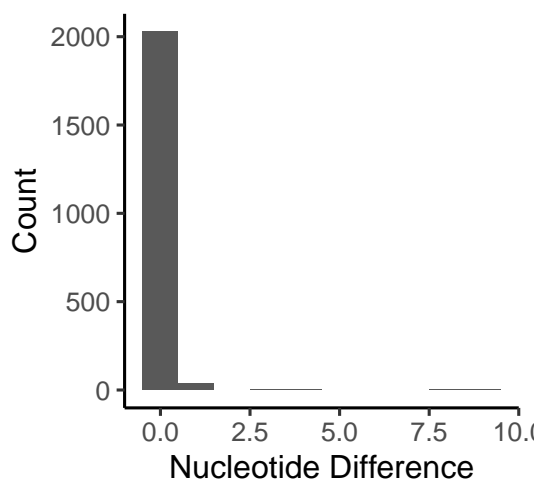
### TRBV5–1\*ap01

9265 sequences assigned  
8963 (96.7%) exact matches, in which:  
8888 unique CDR3  
13 unique J



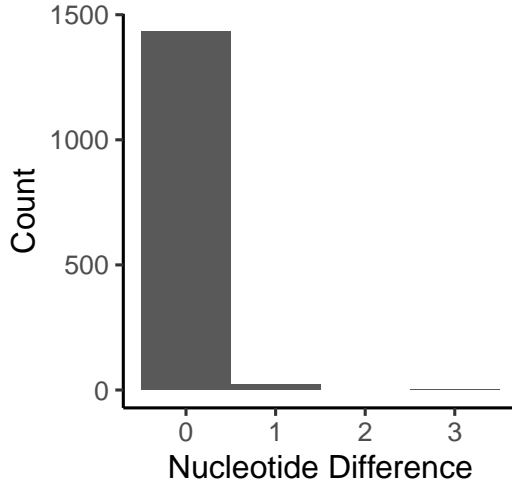
### TRBV3–12\*ap01

2070 sequences assigned  
2028 (98%) exact matches, in which:  
2015 unique CDR3  
13 unique J



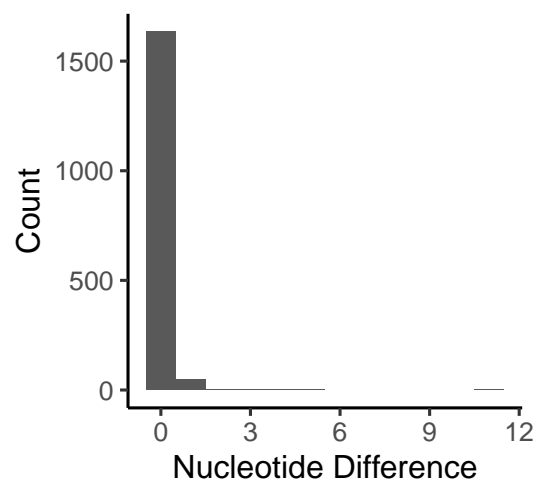
### TRBV4–2\*ap01

1457 sequences assigned  
1432 (98.3%) exact matches, in which:  
1404 unique CDR3  
13 unique J



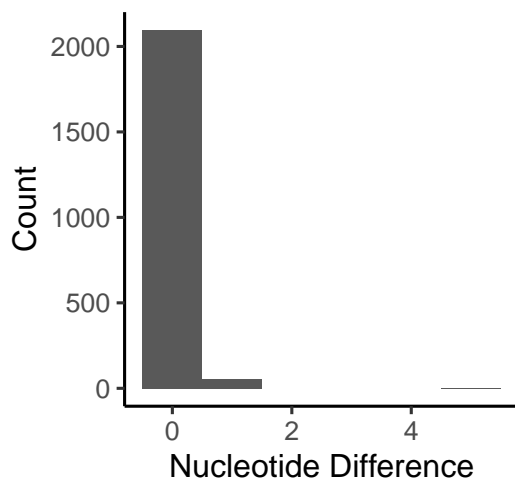
### TRBV25–1\*ap01

1688 sequences assigned  
1634 (96.8%) exact matches, in which:  
1605 unique CDR3  
13 unique J



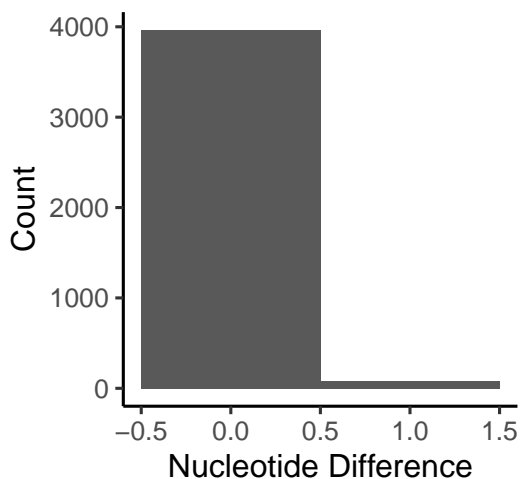
### TRBV4–1\*ap01

2151 sequences assigned  
2096 (97.4%) exact matches, in which:  
2063 unique CDR3  
13 unique J



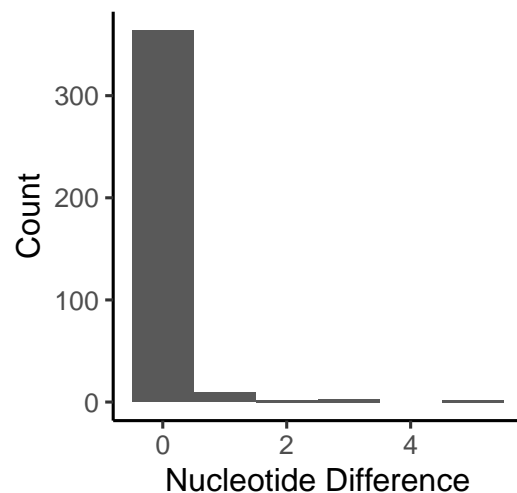
### TRBV4–3\*ap01

4044 sequences assigned  
3964 (98%) exact matches, in which:  
3917 unique CDR3  
13 unique J



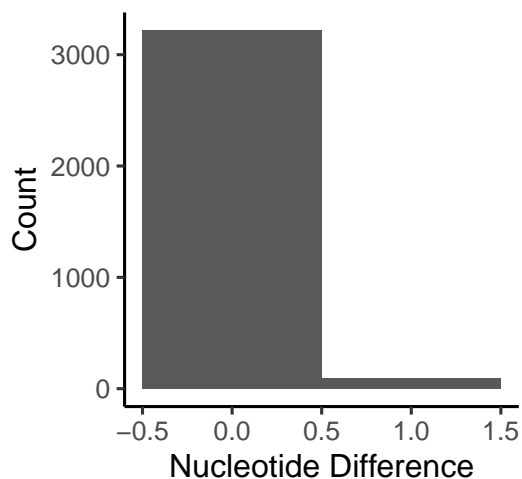
### TRBV5–3\*ap01

380 sequences assigned  
364 (95.8%) exact matches, in which:  
362 unique CDR3  
13 unique J



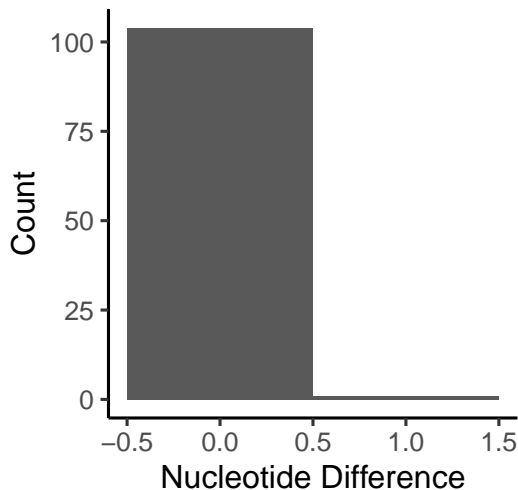
### TRBV5-4\*ap01

3309 sequences assigned  
3218 (97.2%) exact matches, in which:  
3176 unique CDR3  
13 unique J



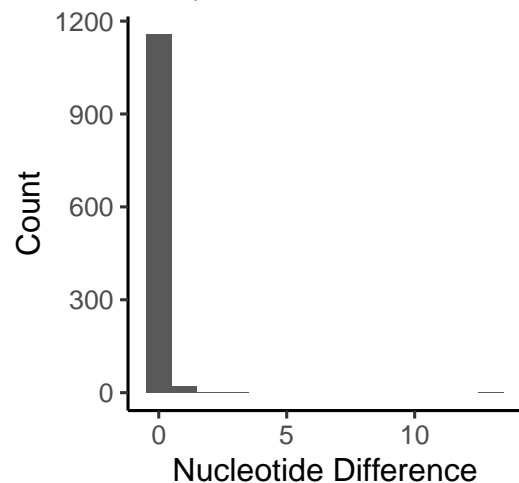
### TRBV5-7\*ap01

105 sequences assigned  
104 (99%) exact matches, in which:  
102 unique CDR3  
11 unique J



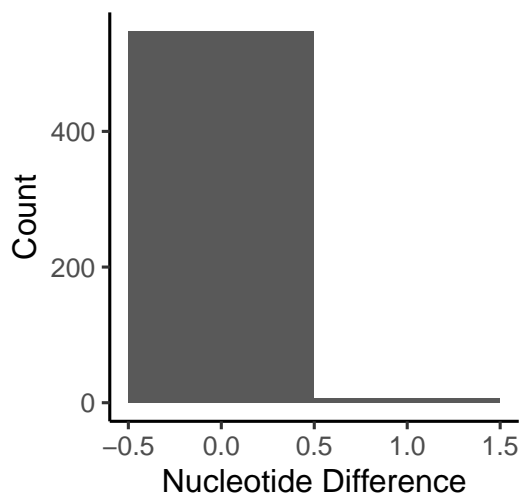
### TRBV6-4\*ap01

1182 sequences assigned  
1157 (97.9%) exact matches, in which:  
1146 unique CDR3  
12 unique J



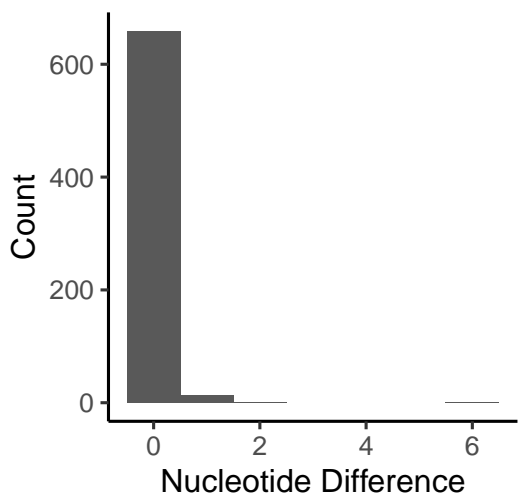
### TRBV5-5\*ap01

555 sequences assigned  
548 (98.7%) exact matches, in which:  
543 unique CDR3  
13 unique J



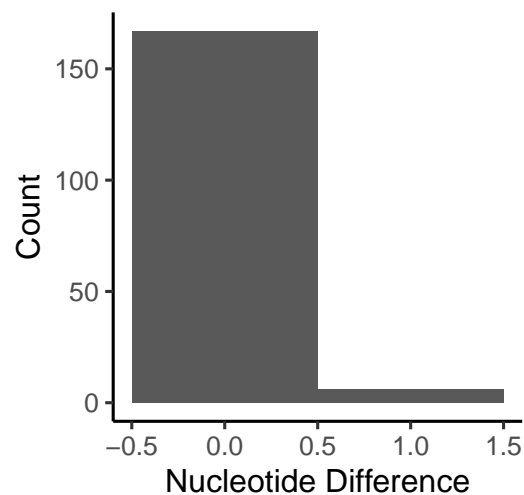
### TRBV5-8\*ap01

674 sequences assigned  
659 (97.8%) exact matches, in which:  
656 unique CDR3  
13 unique J



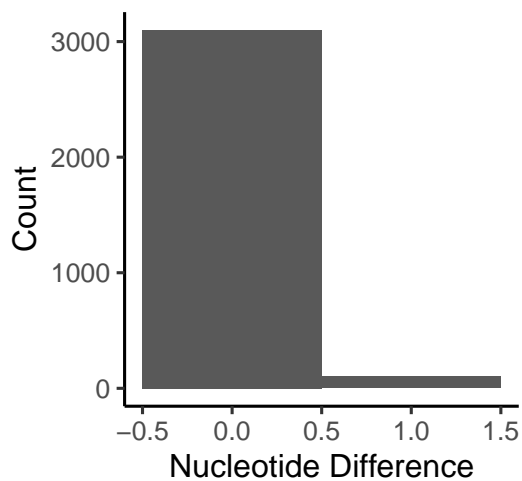
### TRBV6-7\*ap01

173 sequences assigned  
167 (96.5%) exact matches, in which:  
167 unique CDR3  
13 unique J



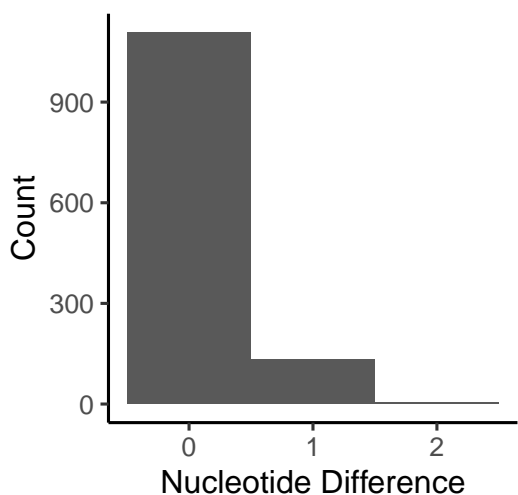
### TRBV5-6\*ap01

3201 sequences assigned  
3100 (96.8%) exact matches, in which:  
3044 unique CDR3  
13 unique J



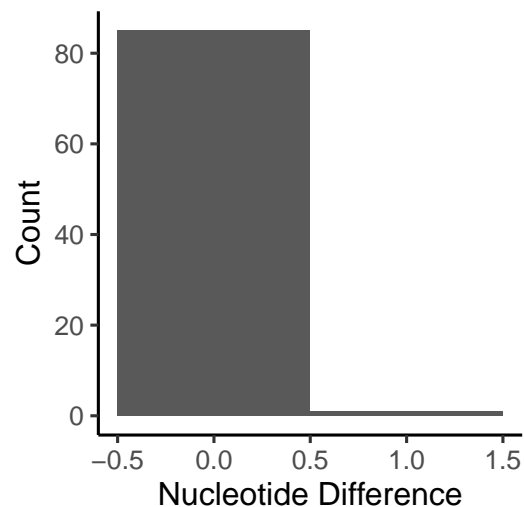
### TRBV6-1\*ap01

1248 sequences assigned  
1108 (88.8%) exact matches, in which:  
1093 unique CDR3  
13 unique J



### TRBV6-8\*ap01

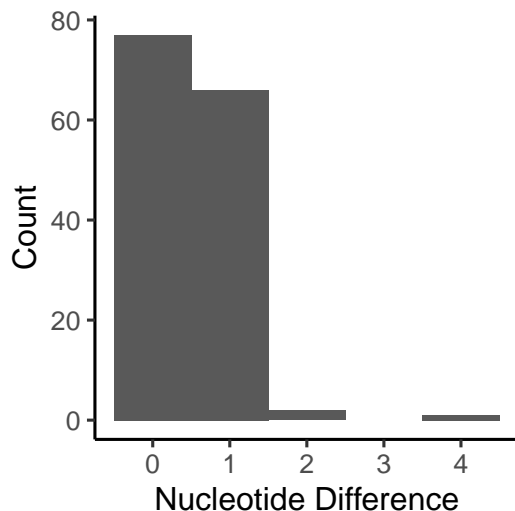
86 sequences assigned  
85 (98.8%) exact matches, in which:  
83 unique CDR3  
12 unique J





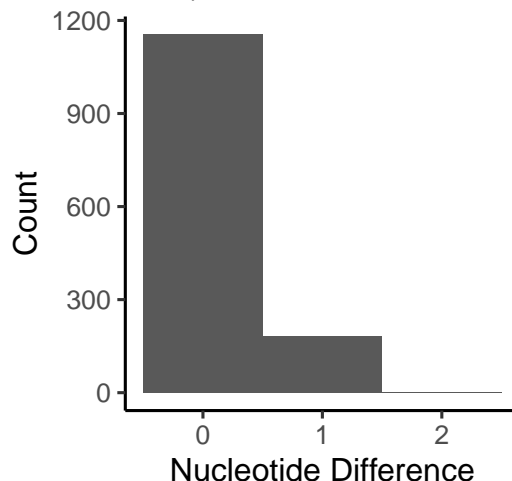
### TRBV6-9\*ap01

146 sequences assigned  
77 (52.7%) exact matches, in which:  
75 unique CDR3  
12 unique J



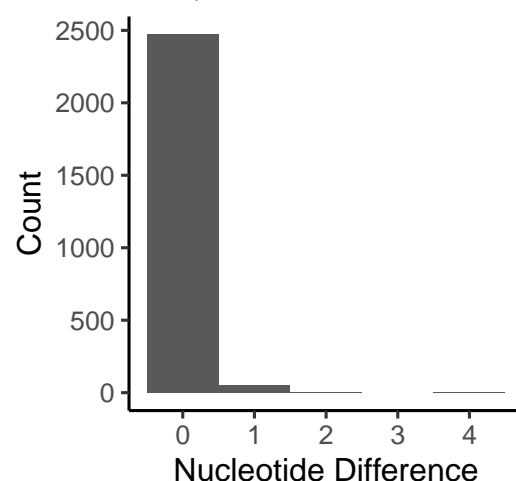
### TRBV6-56\*ap02

1339 sequences assigned  
1155 (86.3%) exact matches, in which:  
1139 unique CDR3  
13 unique J



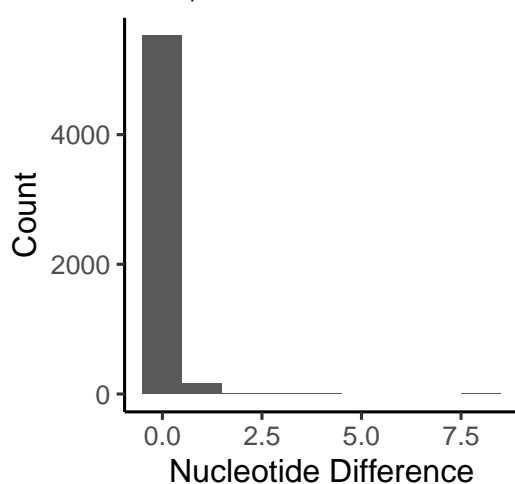
### TRBV7-3\*ap01

2524 sequences assigned  
2472 (97.9%) exact matches, in which:  
2450 unique CDR3  
13 unique J



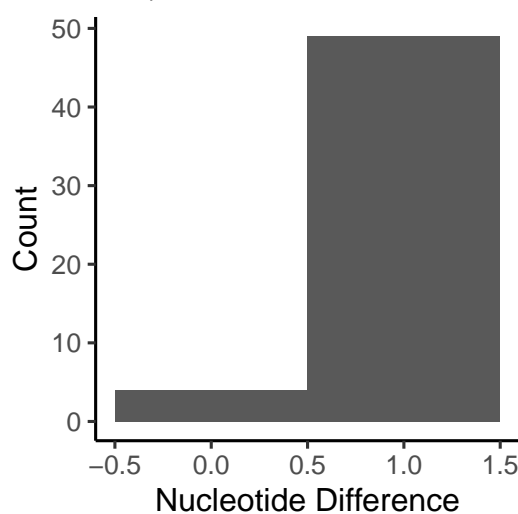
### TRBV6-23\*ap01

5695 sequences assigned  
5526 (97%) exact matches, in which:  
5461 unique CDR3  
13 unique J



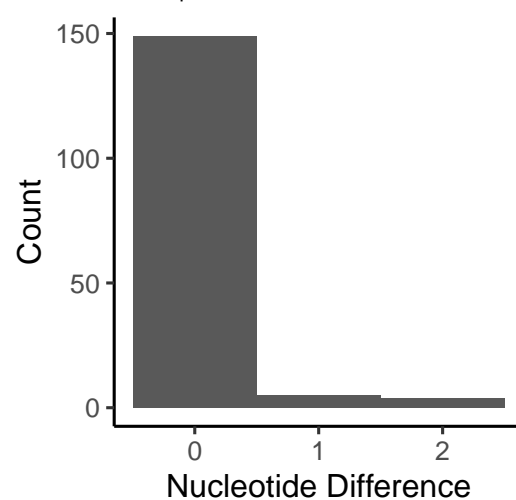
### TRBV7-1\*ap01\_T296C

53 sequences assigned  
4 (7.5%) exact matches, in which:  
4 unique CDR3  
4 unique J



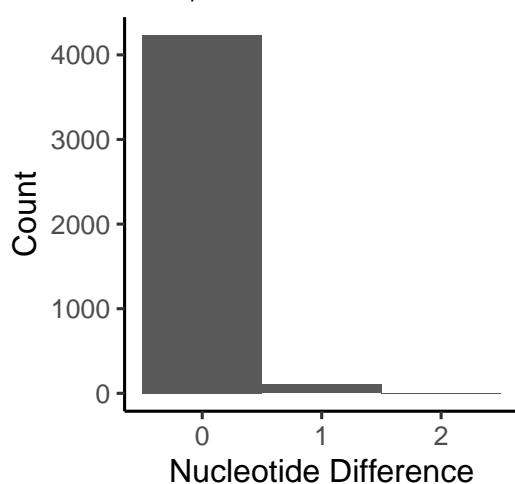
### TRBV7-4\*ap01

158 sequences assigned  
149 (94.3%) exact matches, in which:  
149 unique CDR3  
13 unique J



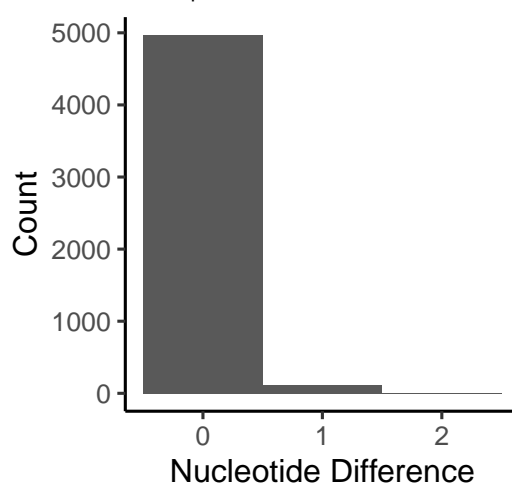
### TRBV6-56\*ap01

4341 sequences assigned  
4234 (97.5%) exact matches, in which:  
4179 unique CDR3  
13 unique J



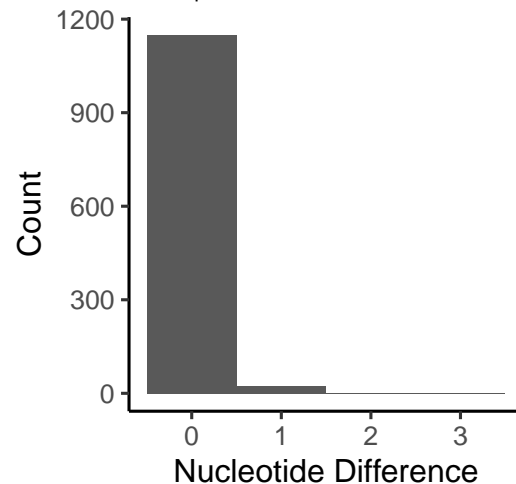
### TRBV7-2\*ap01

5088 sequences assigned  
4969 (97.7%) exact matches, in which:  
4931 unique CDR3  
13 unique J



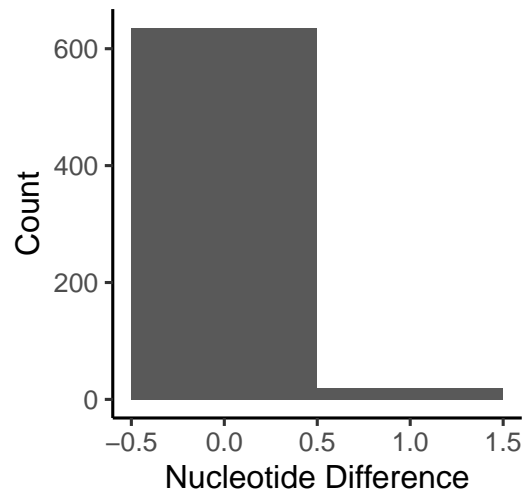
### TRBV7-6\*ap01

1175 sequences assigned  
1149 (97.8%) exact matches, in which:  
1139 unique CDR3  
13 unique J



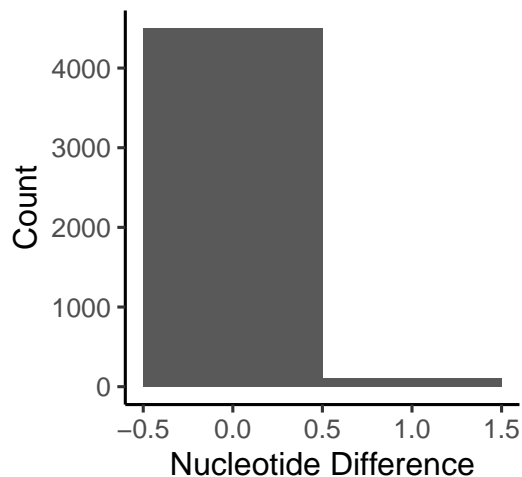
### TRBV7-7\*ap01\_C315T

656 sequences assigned  
636 (97%) exact matches, in which:  
631 unique CDR3  
13 unique J



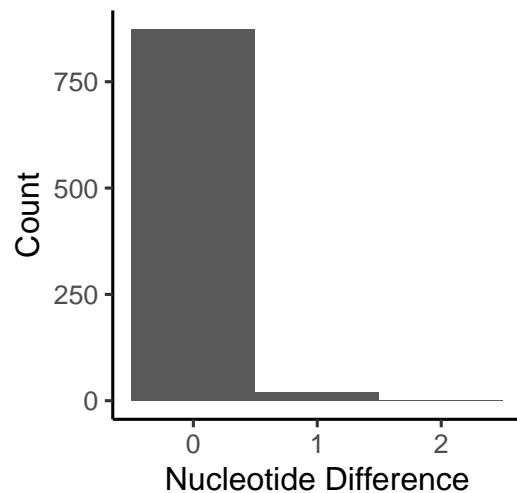
### TRBV7-9\*ap01

4600 sequences assigned  
4498 (97.8%) exact matches, in which:  
4460 unique CDR3  
13 unique J



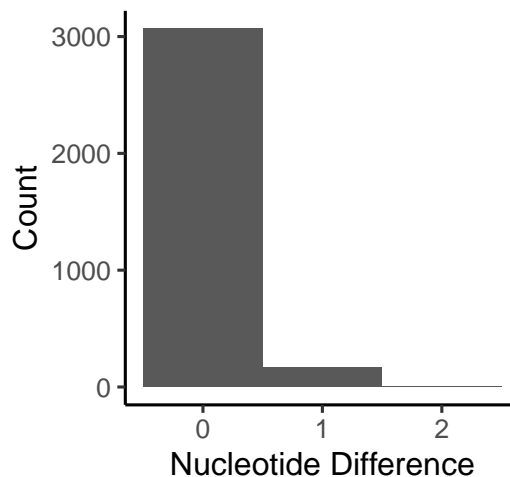
### TRBV7-8\*ap01

896 sequences assigned  
874 (97.5%) exact matches, in which:  
869 unique CDR3  
13 unique J



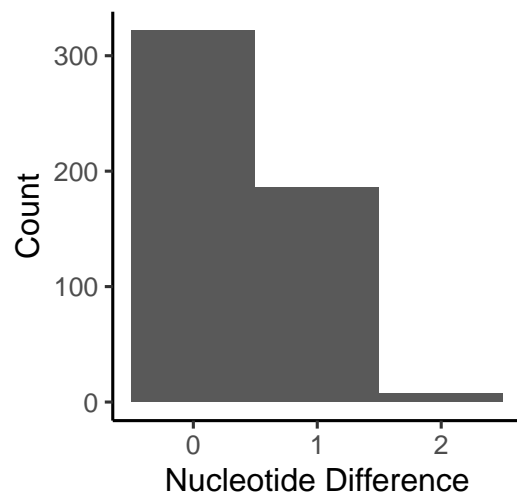
### TRBV29-1\*ap01

3232 sequences assigned  
3067 (94.9%) exact matches, in which:  
3026 unique CDR3  
13 unique J



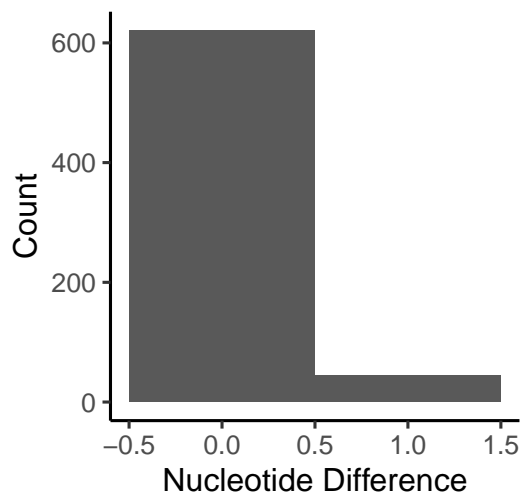
### TRBV7-8\*ap03

515 sequences assigned  
322 (62.5%) exact matches, in which:  
318 unique CDR3  
12 unique J

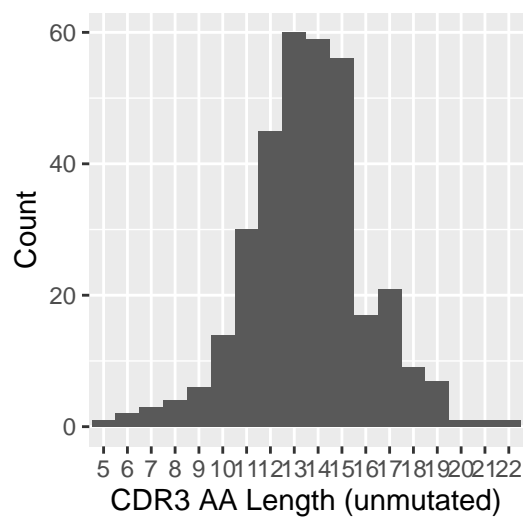


### TRBV29-1\*ap02

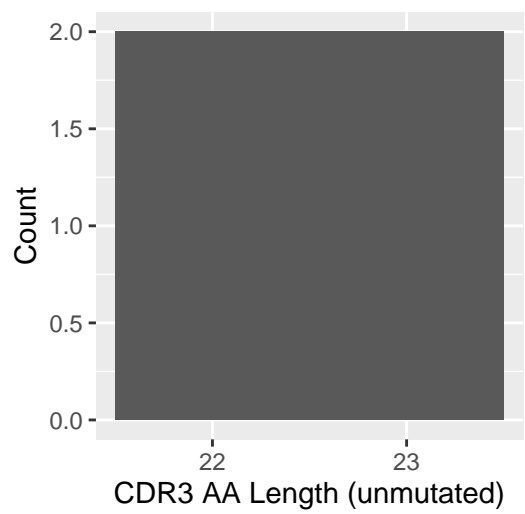
666 sequences assigned  
621 (93.2%) exact matches, in which:  
614 unique CDR3  
13 unique J



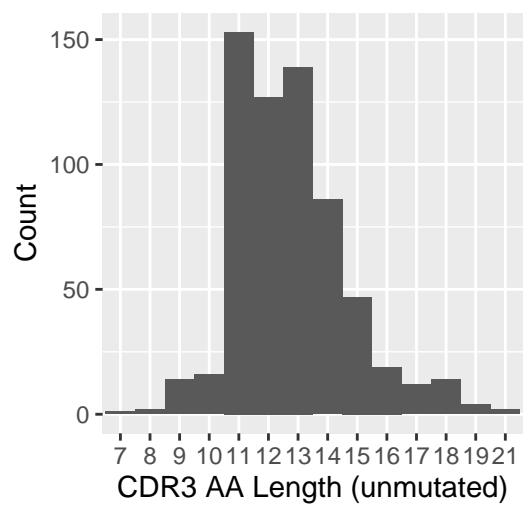
TRBV23-1\*ap01\_T304C



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.