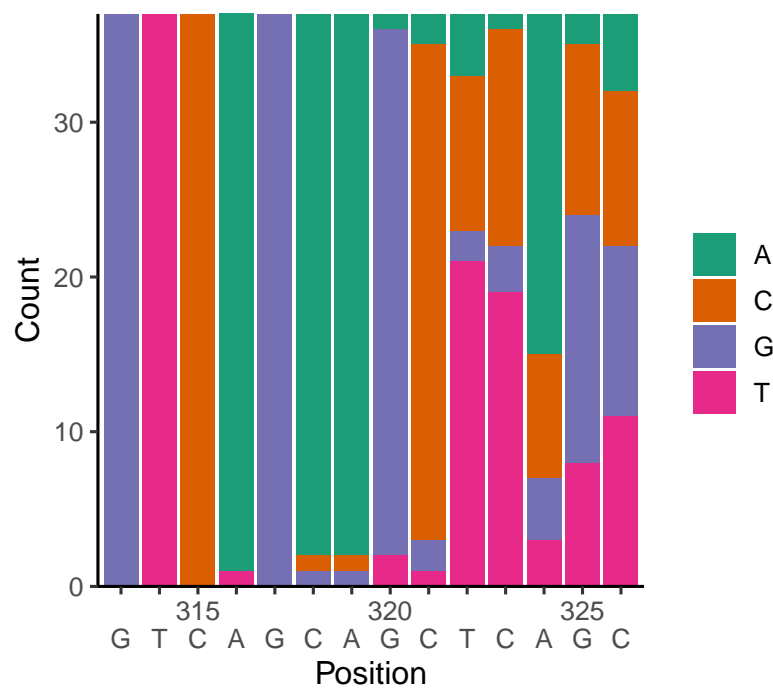
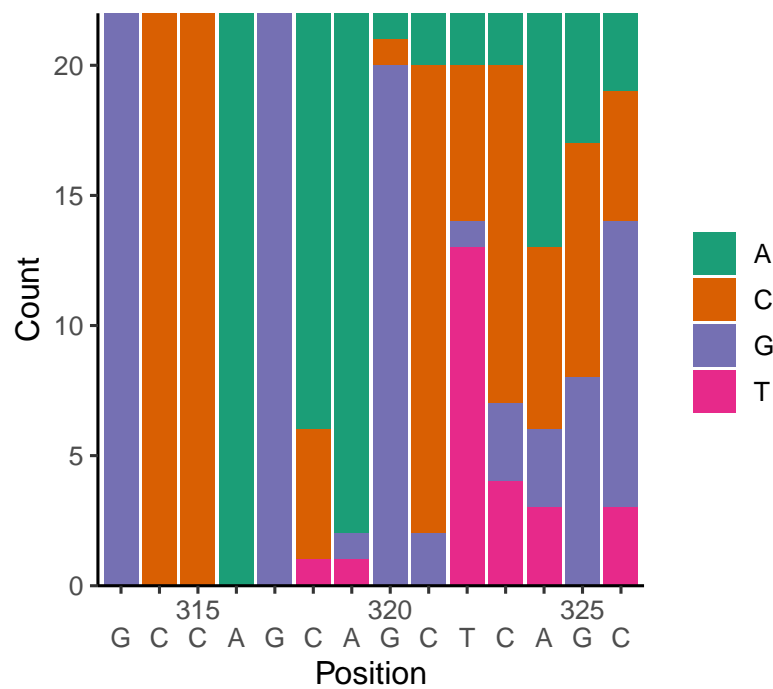


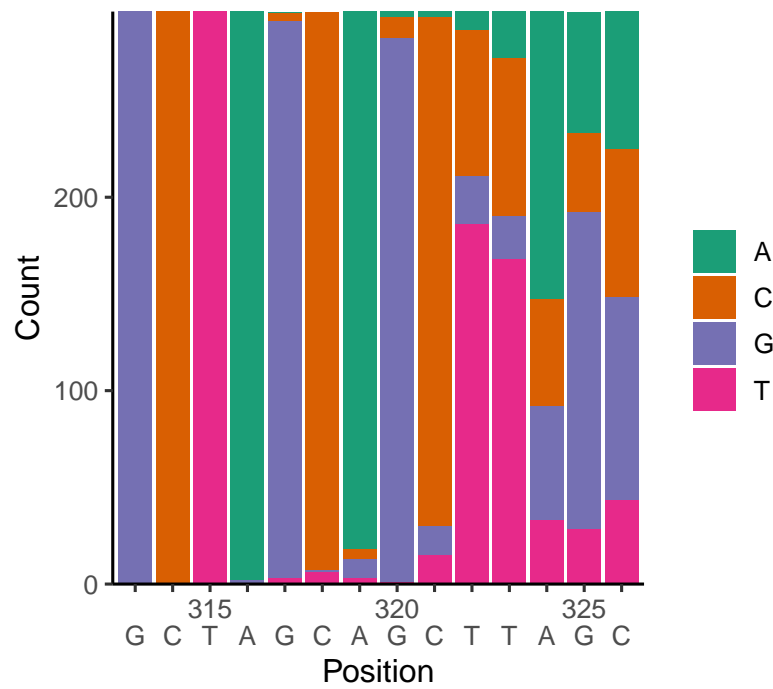
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_T296C\_C314T



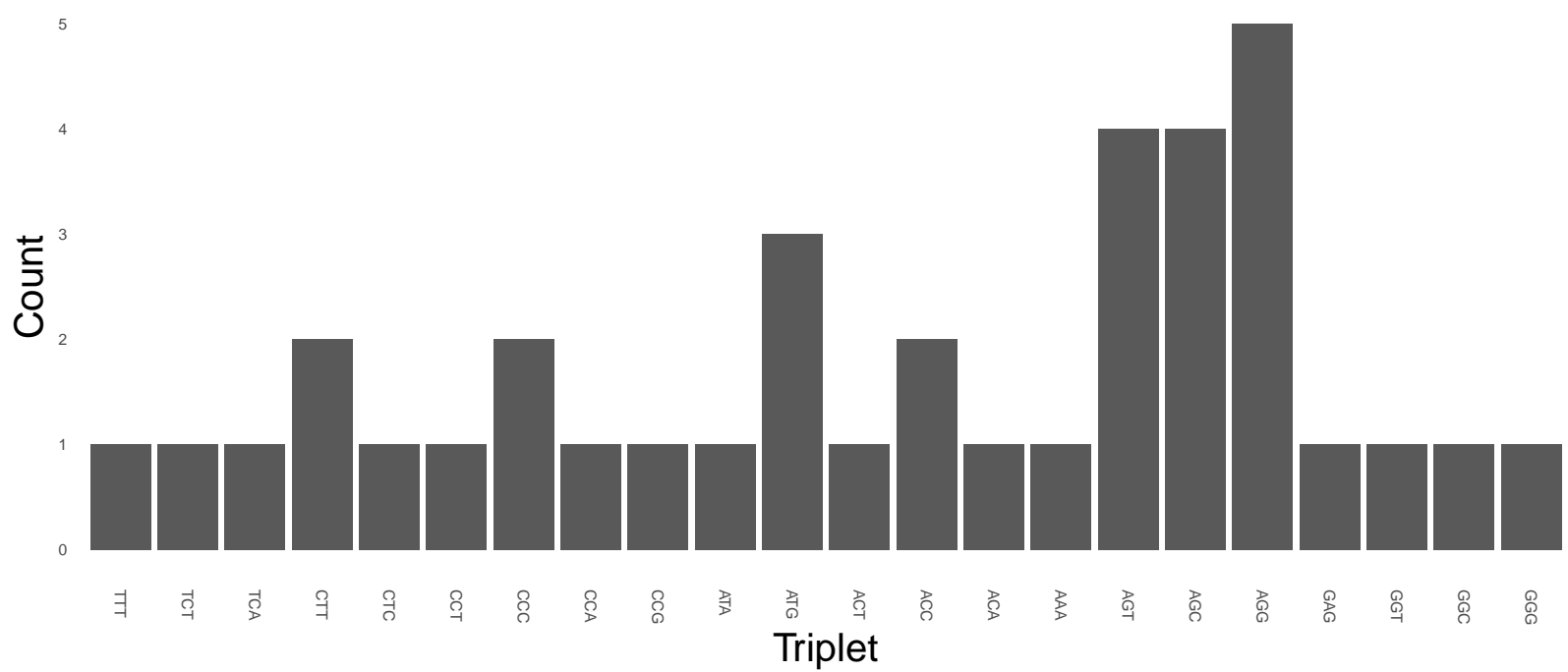
Gene TRBV7-1\*ap01\_T296C



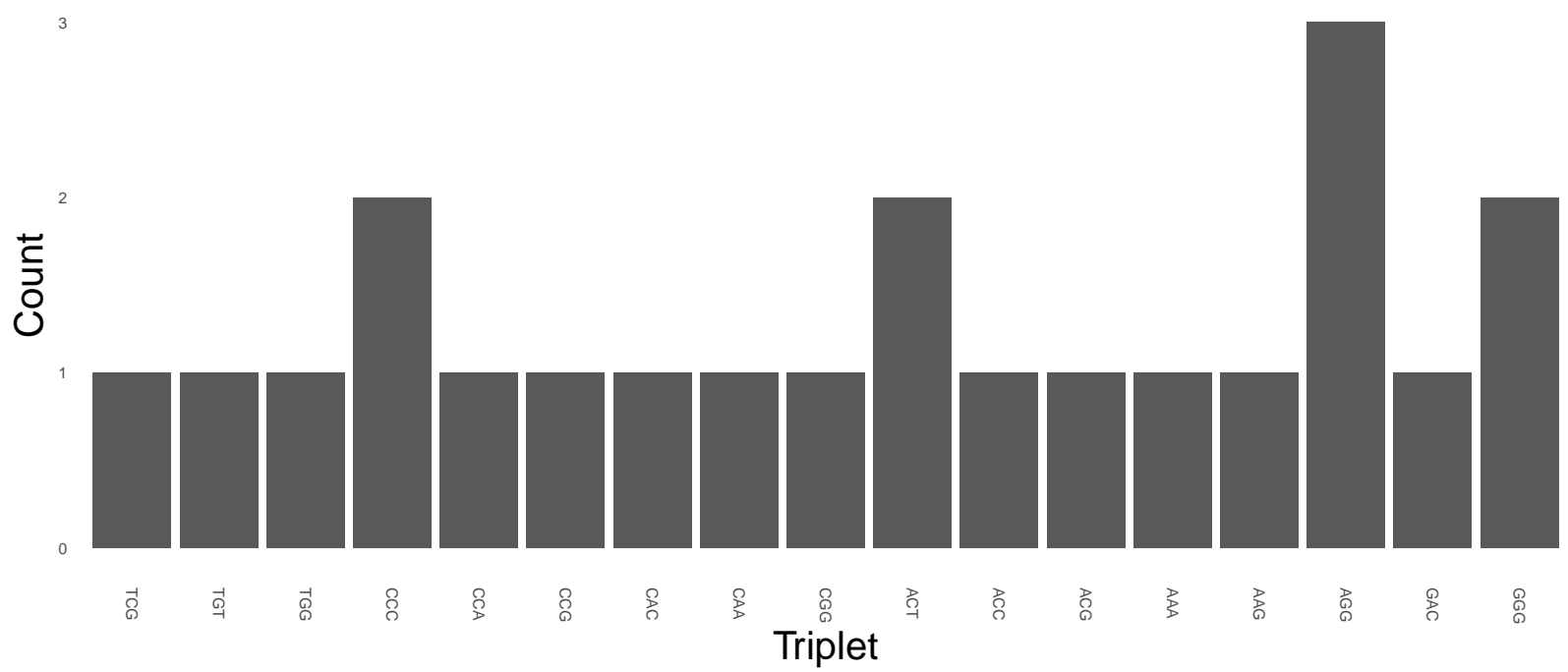
Gene TRBV7-7\*ap01\_C315T



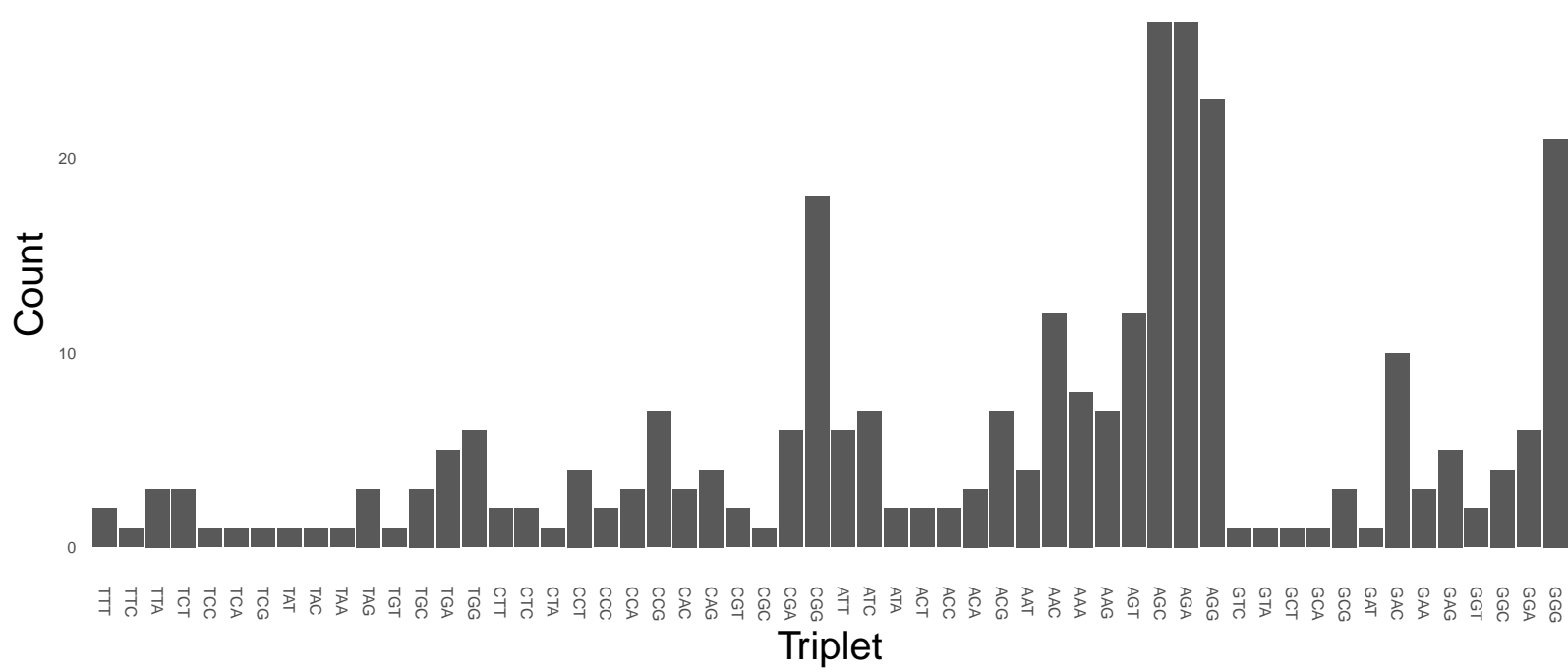
TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



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

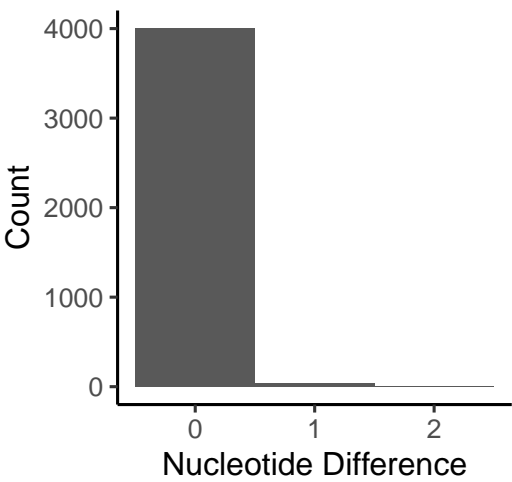


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



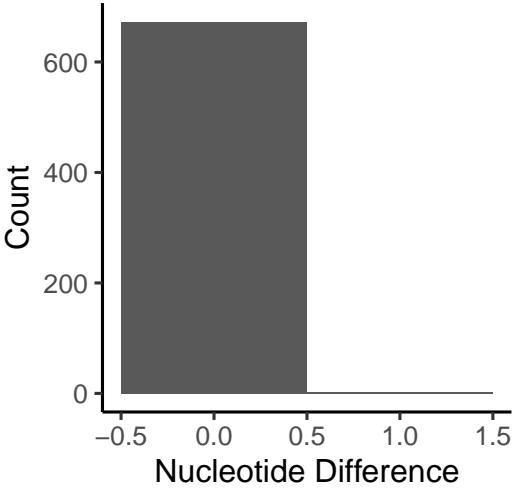
TRBV20-1\*ap01

4039 sequences assigned  
4002 (99.1%) exact matches, in which:  
3973 unique CDR3  
13 unique J



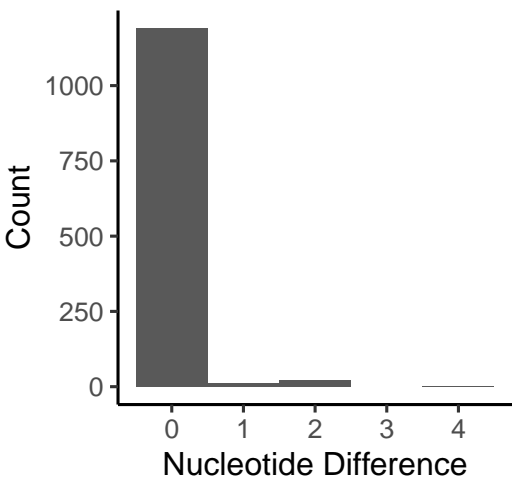
TRBV10-2\*ap01

675 sequences assigned  
673 (99.7%) exact matches, in which:  
669 unique CDR3  
13 unique J



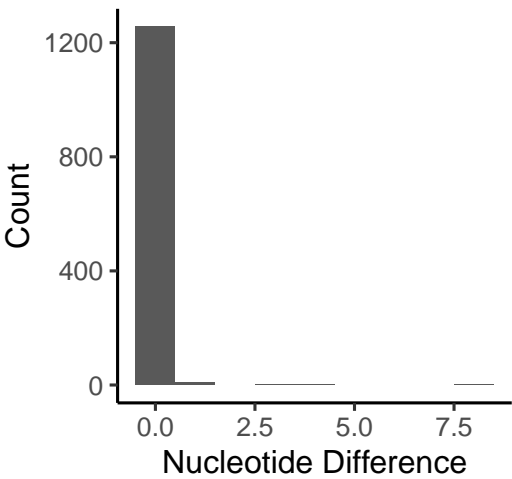
TRBV13\*ap01

1222 sequences assigned  
1190 (97.4%) exact matches, in which:  
1175 unique CDR3  
13 unique J



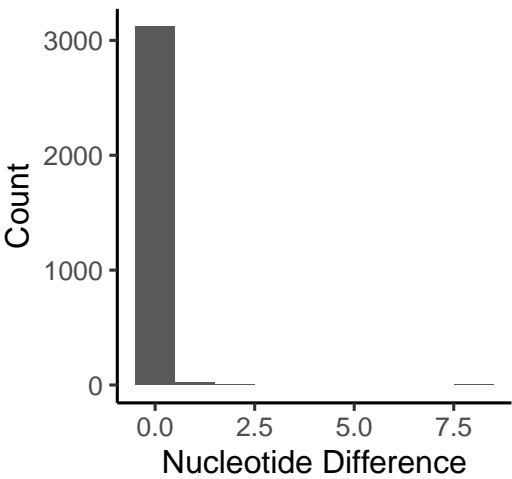
TRBV10-1\*ap01

1267 sequences assigned  
1256 (99.1%) exact matches, in which:  
1247 unique CDR3  
13 unique J



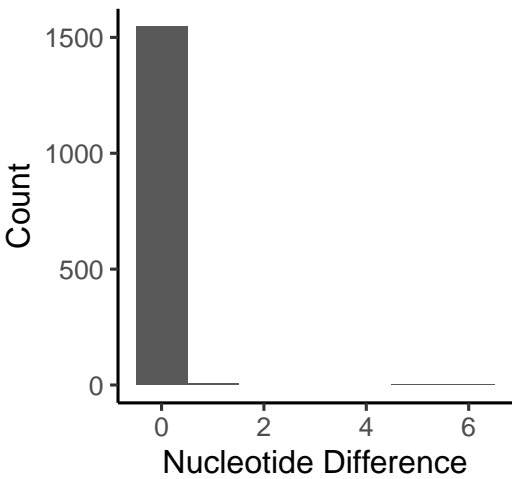
TRBV10-3\*ap01

3143 sequences assigned  
3119 (99.2%) exact matches, in which:  
3086 unique CDR3  
13 unique J



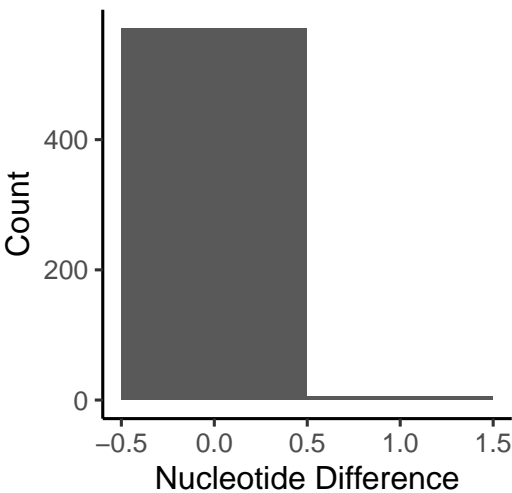
TRBV14\*ap01

1555 sequences assigned  
1546 (99.4%) exact matches, in which:  
1539 unique CDR3  
13 unique J



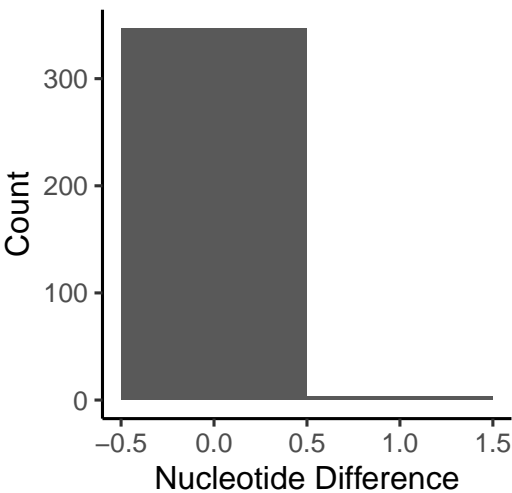
TRBV20-1\*ap02

576 sequences assigned  
571 (99.1%) exact matches, in which:  
568 unique CDR3  
13 unique J



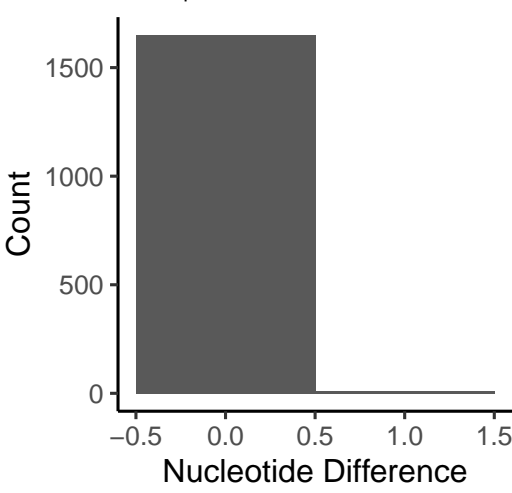
TRBV1\*ap01

350 sequences assigned  
347 (99.1%) exact matches, in which:  
344 unique CDR3  
13 unique J



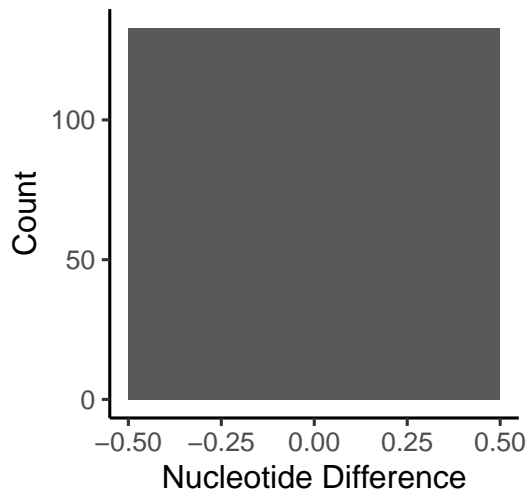
TRBV15\*ap02

1660 sequences assigned  
1650 (99.4%) exact matches, in which:  
1636 unique CDR3  
13 unique J



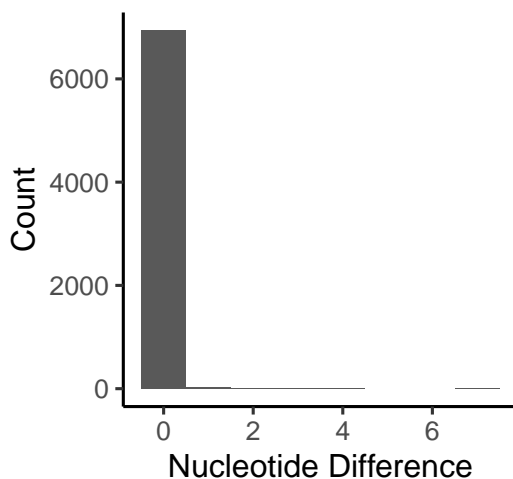
### TRBV16\*ap01

133 sequences assigned  
133 (100%) exact matches, in which:  
133 unique CDR3  
11 unique J



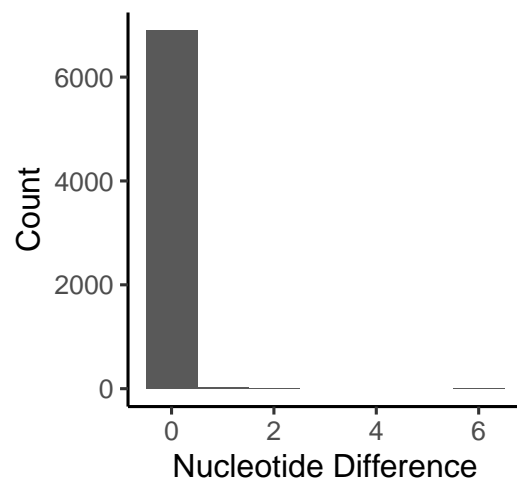
### TRBV19\*ap01

6984 sequences assigned  
6939 (99.4%) exact matches, in which:  
6912 unique CDR3  
13 unique J



### TRBV28\*ap01

6929 sequences assigned  
6899 (99.6%) exact matches, in which:  
6857 unique CDR3  
13 unique J



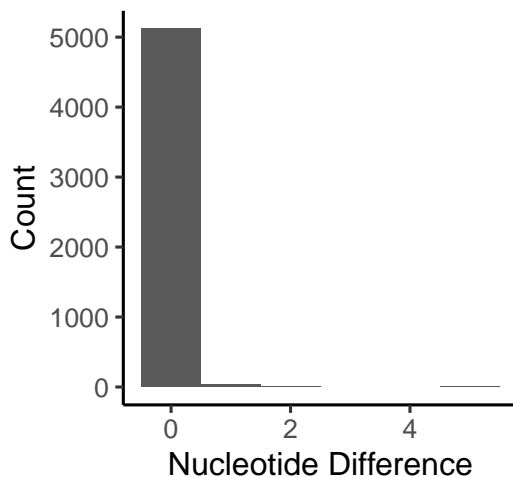
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



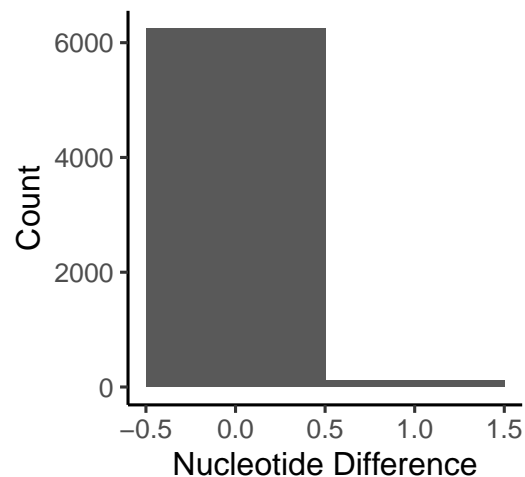
### TRBV2\*ap01

5162 sequences assigned  
5120 (99.2%) exact matches, in which:  
5093 unique CDR3  
13 unique J



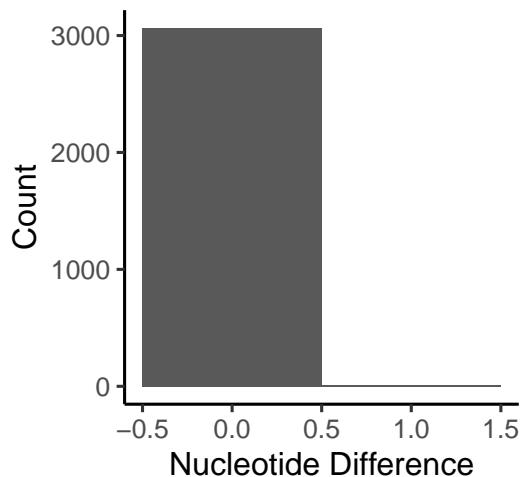
### TRBV30\*ap01

6348 sequences assigned  
6243 (98.3%) exact matches, in which:  
6101 unique CDR3  
13 unique J



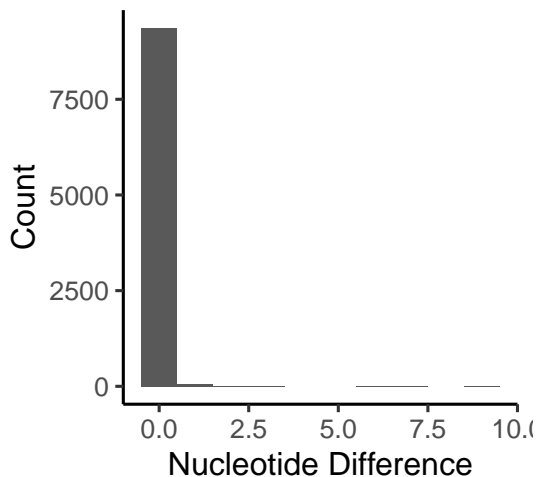
### TRBV18\*ap01

3073 sequences assigned  
3064 (99.7%) exact matches, in which:  
3055 unique CDR3  
13 unique J



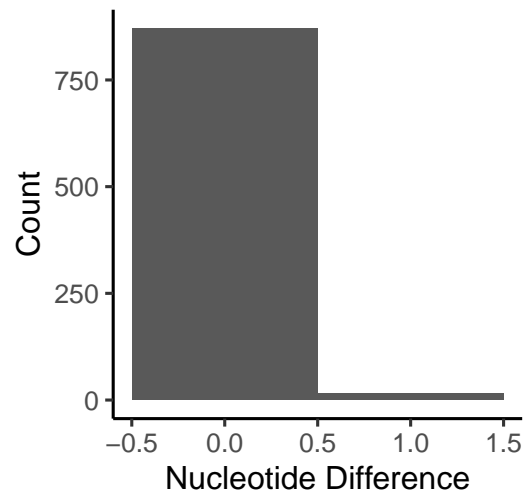
### TRBV27\*ap01

9437 sequences assigned  
9362 (99.2%) exact matches, in which:  
9283 unique CDR3  
13 unique J



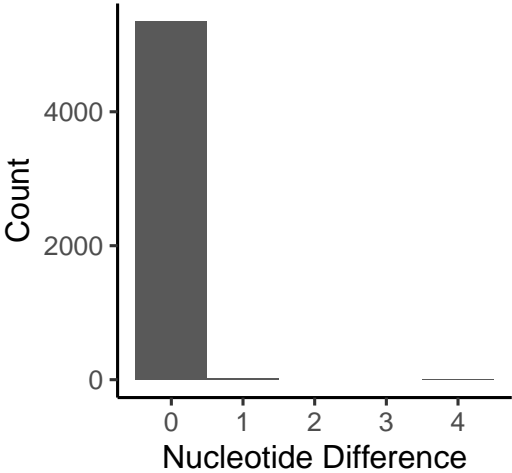
### TRBV30\*ap03

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



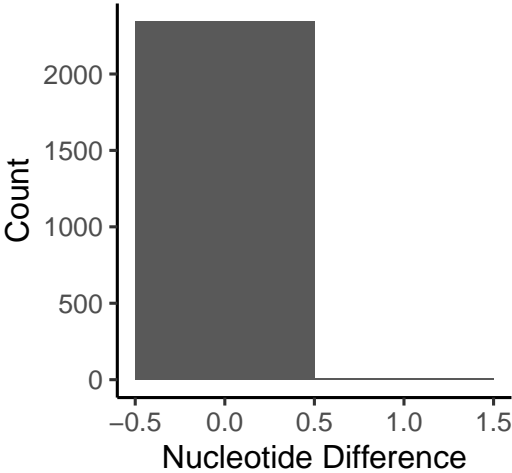
TRBV9\*ap01

5381 sequences assigned  
5349 (99.4%) exact matches, in which:  
5314 unique CDR3  
13 unique J



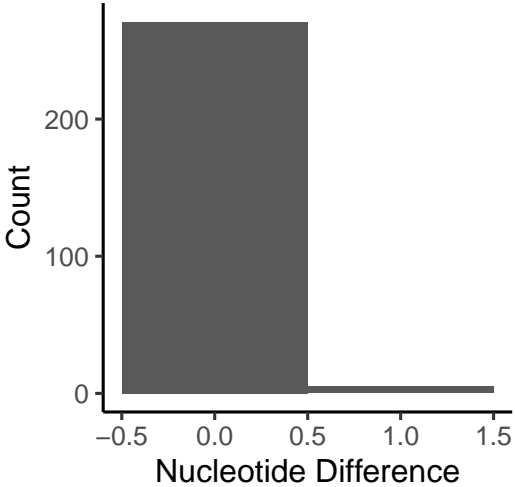
TRBV11-2\*ap01

2352 sequences assigned  
2344 (99.7%) exact matches, in which:  
2332 unique CDR3  
13 unique J



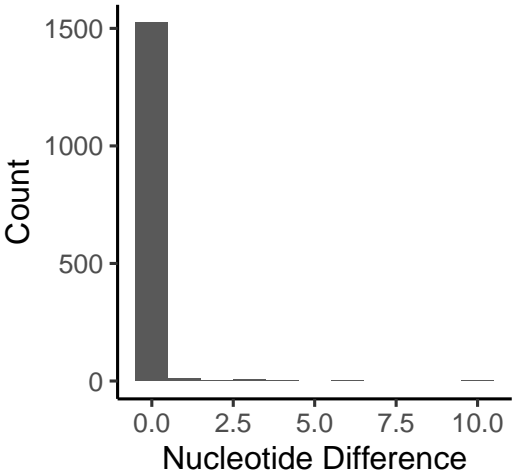
TRBV12-2\*ap01

276 sequences assigned  
271 (98.2%) exact matches, in which:  
270 unique CDR3  
13 unique J



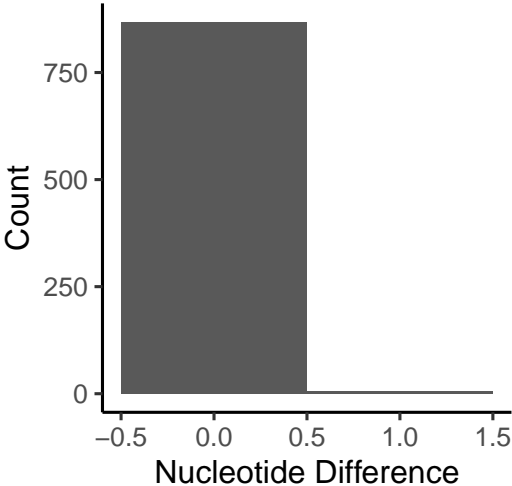
TRBV21-1\*ap01

1548 sequences assigned  
1524 (98.4%) exact matches, in which:  
1519 unique CDR3  
13 unique J



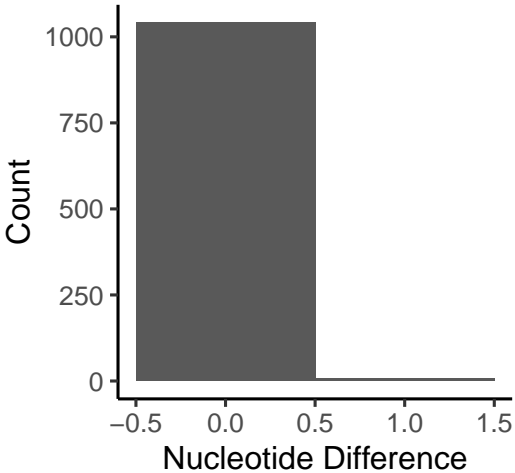
TRBV11-3\*ap01

874 sequences assigned  
868 (99.3%) exact matches, in which:  
866 unique CDR3  
13 unique J



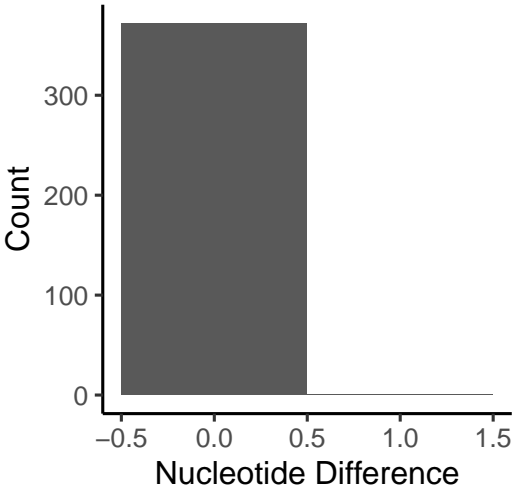
TRBV12-5\*ap01

1048 sequences assigned  
1041 (99.3%) exact matches, in which:  
1035 unique CDR3  
13 unique J



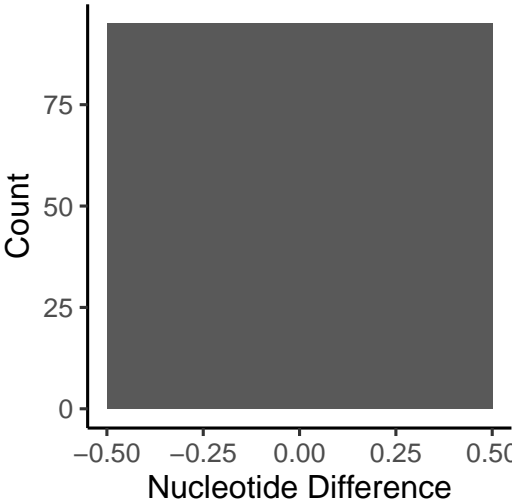
TRBV11-1\*ap01

373 sequences assigned  
372 (99.7%) exact matches, in which:  
372 unique CDR3  
13 unique J



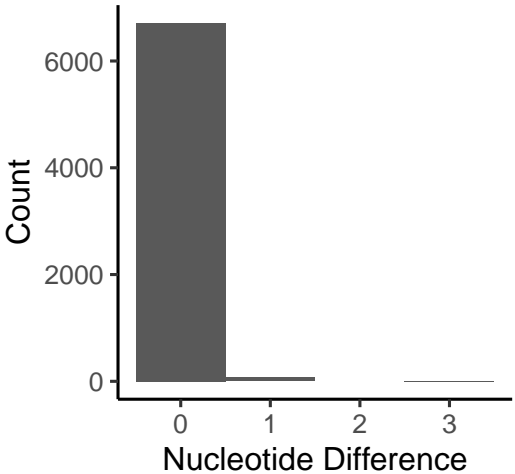
TRBV12-1\*ap01

95 sequences assigned  
95 (100%) exact matches, in which:  
95 unique CDR3  
13 unique J



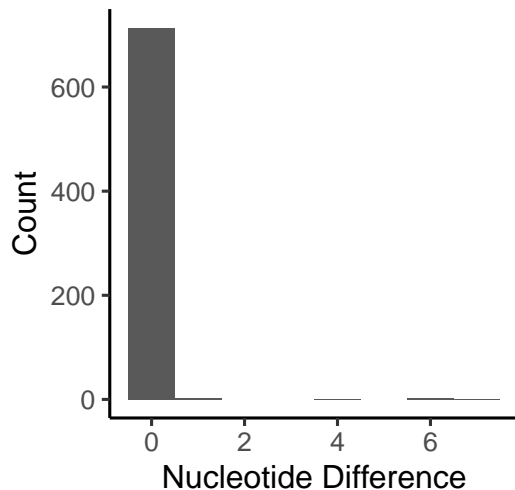
TRBV12-34\*ap01

6782 sequences assigned  
6711 (99%) exact matches, in which:  
6650 unique CDR3  
13 unique J



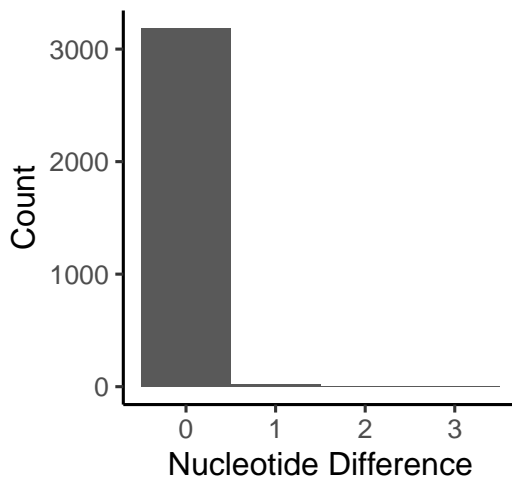
### TRBV23–1\*ap01

720 sequences assigned  
714 (99.2%) exact matches, in which:  
712 unique CDR3  
13 unique J



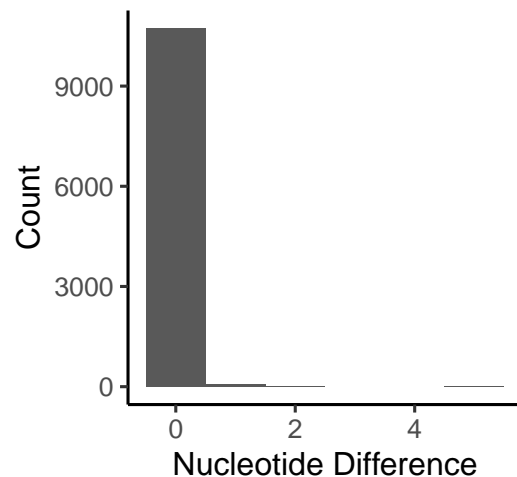
### TRBV24–1\*ap01

3208 sequences assigned  
3184 (99.3%) exact matches, in which:  
3149 unique CDR3  
13 unique J



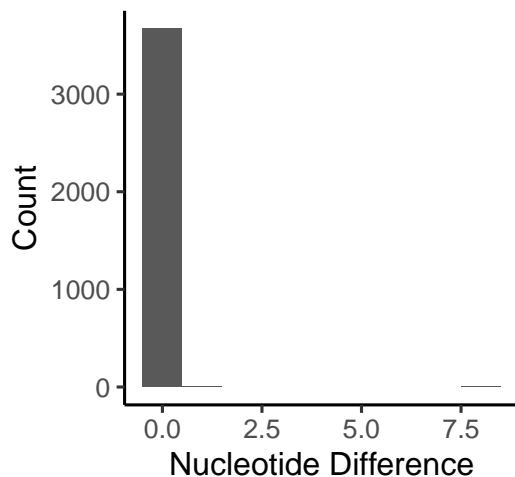
### TRBV5–1\*ap01

10793 sequences assigned  
10727 (99.4%) exact matches, in which:  
10599 unique CDR3  
13 unique J



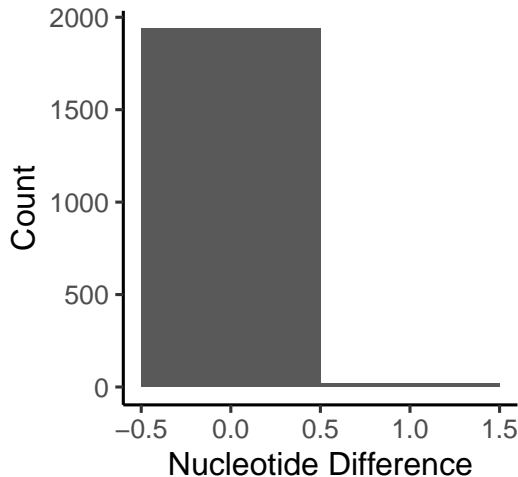
### TRBV3–12\*ap01

3680 sequences assigned  
3670 (99.7%) exact matches, in which:  
3658 unique CDR3  
13 unique J



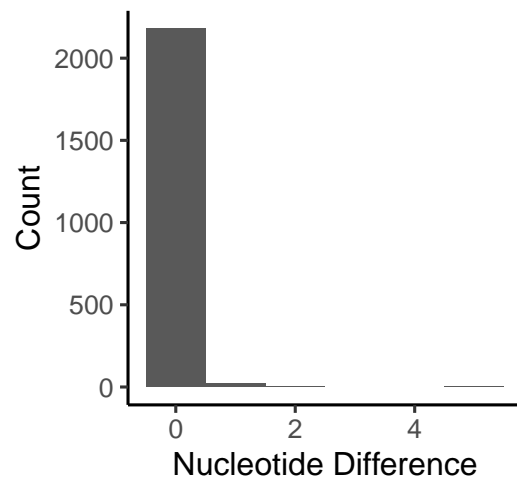
### TRBV4–2\*ap01

1957 sequences assigned  
1938 (99%) exact matches, in which:  
1914 unique CDR3  
13 unique J



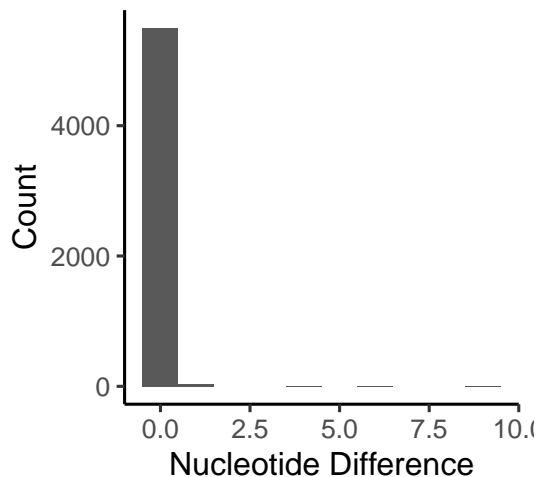
### TRBV25–1\*ap01

2205 sequences assigned  
2179 (98.8%) exact matches, in which:  
2142 unique CDR3  
13 unique J



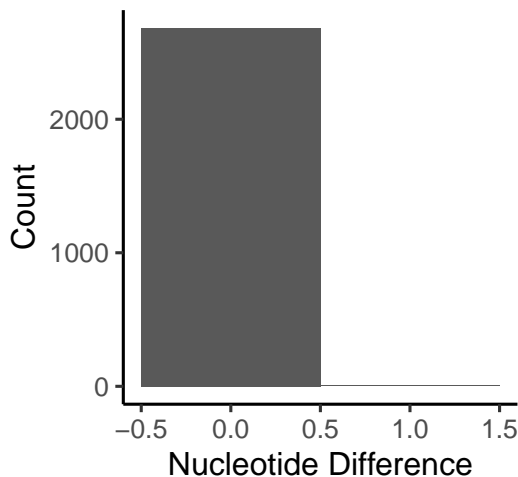
### TRBV4–1\*ap01

5537 sequences assigned  
5499 (99.3%) exact matches, in which:  
5428 unique CDR3  
13 unique J



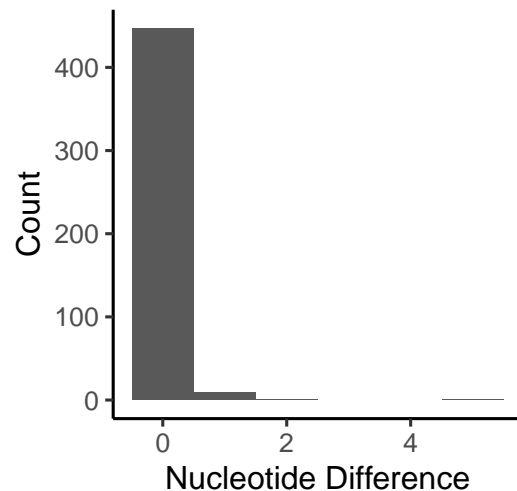
### TRBV4–3\*ap01

2690 sequences assigned  
2683 (99.7%) exact matches, in which:  
2657 unique CDR3  
13 unique J



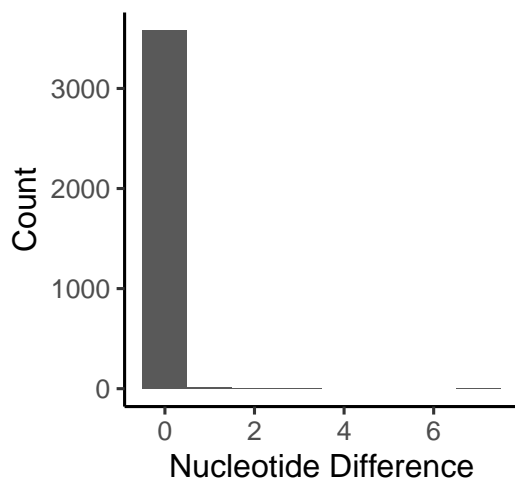
### TRBV5–3\*ap01

458 sequences assigned  
447 (97.6%) exact matches, in which:  
445 unique CDR3  
13 unique J



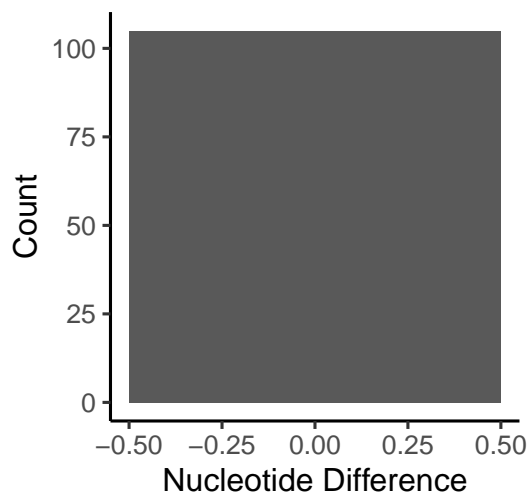
### TRBV5-4\*ap01

3602 sequences assigned  
3580 (99.4%) exact matches, in which:  
3522 unique CDR3  
13 unique J



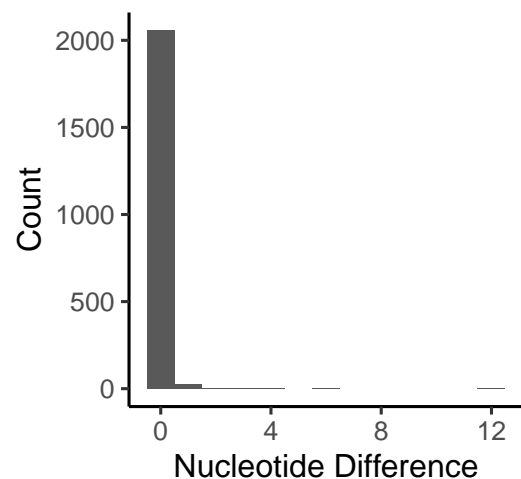
### TRBV5-7\*ap01

105 sequences assigned  
105 (100%) exact matches, in which:  
104 unique CDR3  
12 unique J



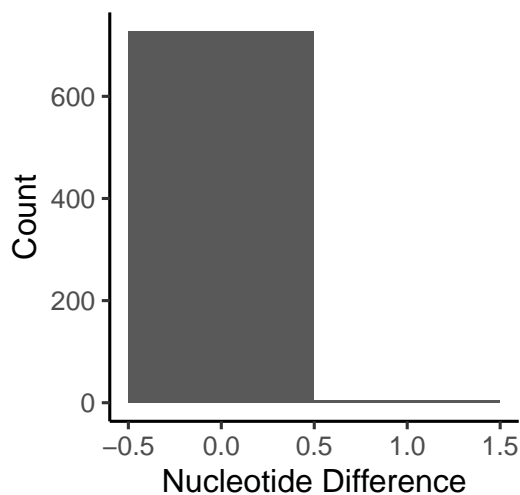
### TRBV6-4\*ap01

2096 sequences assigned  
2057 (98.1%) exact matches, in which:  
2043 unique CDR3  
13 unique J



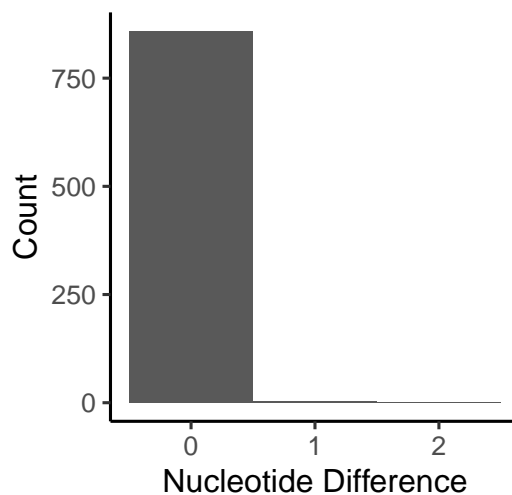
### TRBV5-5\*ap01

733 sequences assigned  
728 (99.3%) exact matches, in which:  
725 unique CDR3  
13 unique J



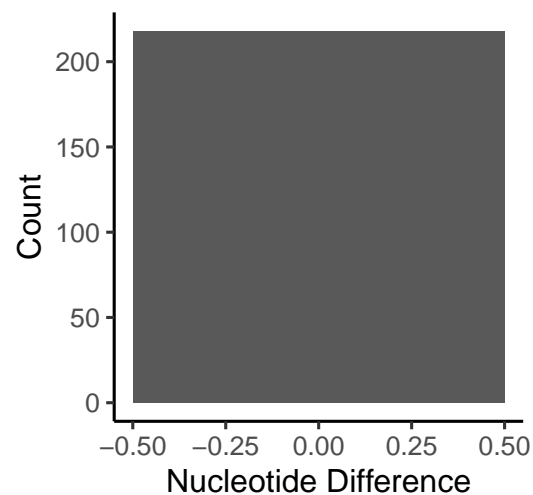
### TRBV5-8\*ap01

864 sequences assigned  
859 (99.4%) exact matches, in which:  
856 unique CDR3  
13 unique J



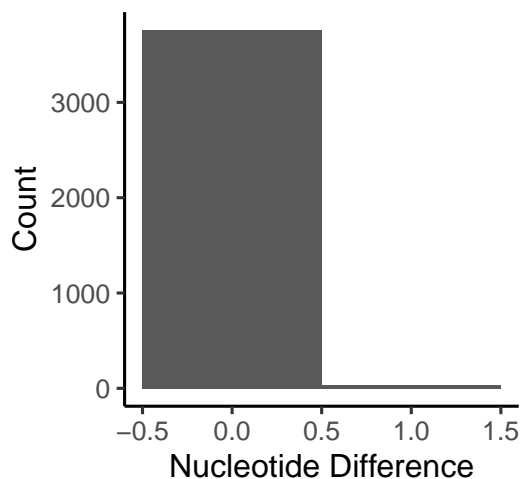
### TRBV6-7\*ap01

218 sequences assigned  
218 (100%) exact matches, in which:  
214 unique CDR3  
13 unique J



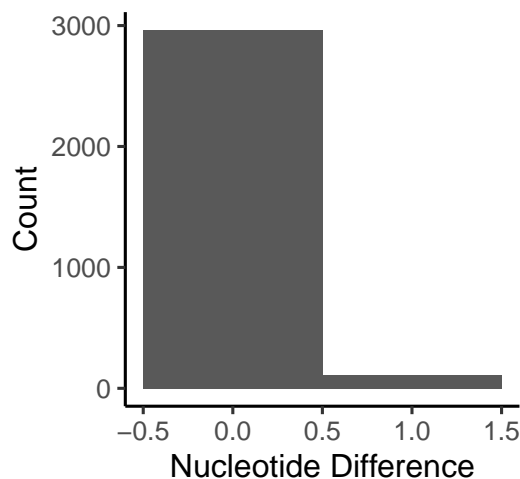
### TRBV5-6\*ap01

3792 sequences assigned  
3759 (99.1%) exact matches, in which:  
3688 unique CDR3  
13 unique J



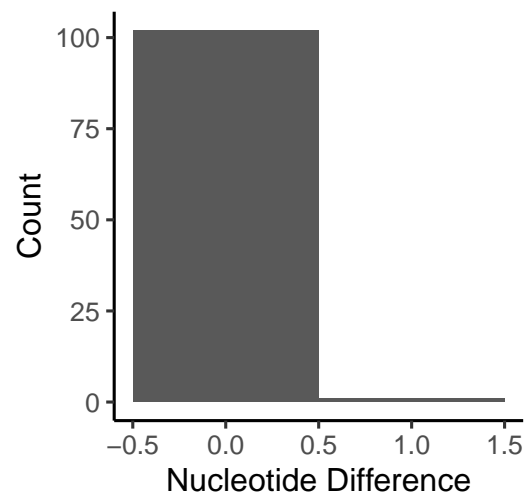
### TRBV6-1\*ap01

3074 sequences assigned  
2963 (96.4%) exact matches, in which:  
2935 unique CDR3  
13 unique J



### TRBV6-8\*ap01

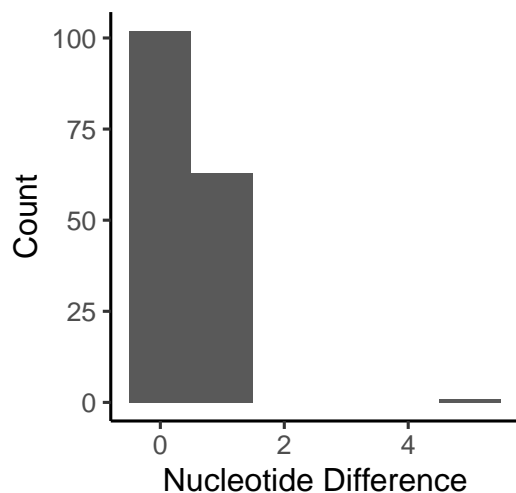
103 sequences assigned  
102 (99%) exact matches, in which:  
99 unique CDR3  
13 unique J





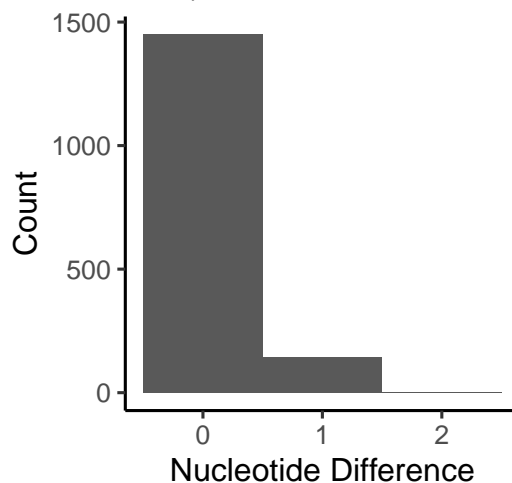
### TRBV6-9\*ap01

166 sequences assigned  
102 (61.4%) exact matches, in which:  
101 unique CDR3  
13 unique J



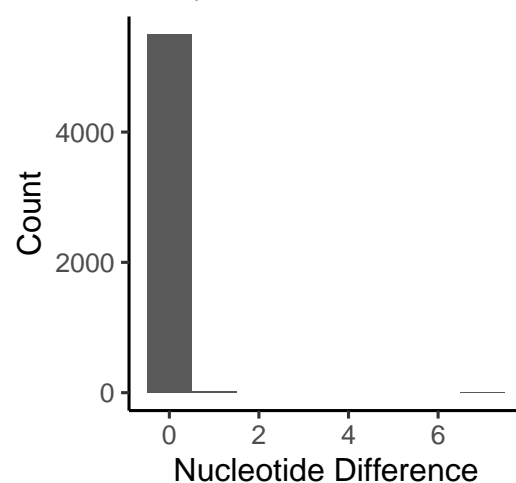
### TRBV6-56\*ap02

1593 sequences assigned  
1450 (91%) exact matches, in which:  
1427 unique CDR3  
13 unique J



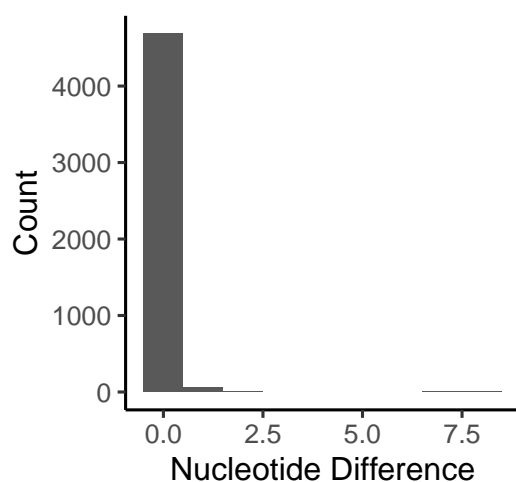
### TRBV7-2\*ap01

5521 sequences assigned  
5499 (99.6%) exact matches, in which:  
5455 unique CDR3  
13 unique J



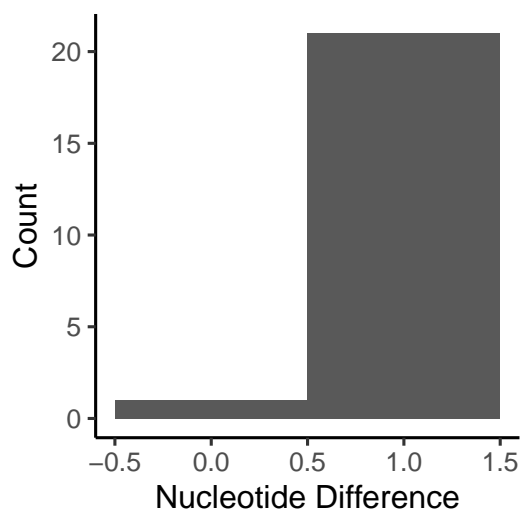
### TRBV6-23\*ap01

4741 sequences assigned  
4684 (98.8%) exact matches, in which:  
4612 unique CDR3  
13 unique J



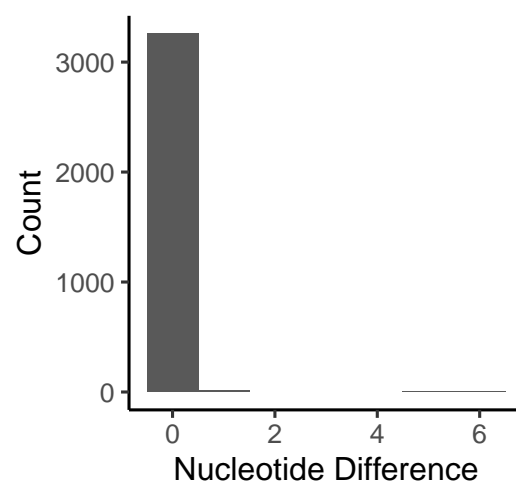
### TRBV7-1\*ap01\_T296C

22 sequences assigned  
1 (4.5%) exact matches, in which:  
1 unique CDR3  
1 unique J



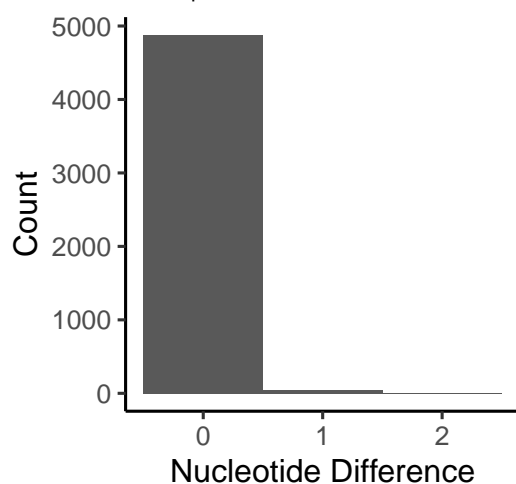
### TRBV7-3\*ap01

3273 sequences assigned  
3258 (99.5%) exact matches, in which:  
3239 unique CDR3  
14 unique J



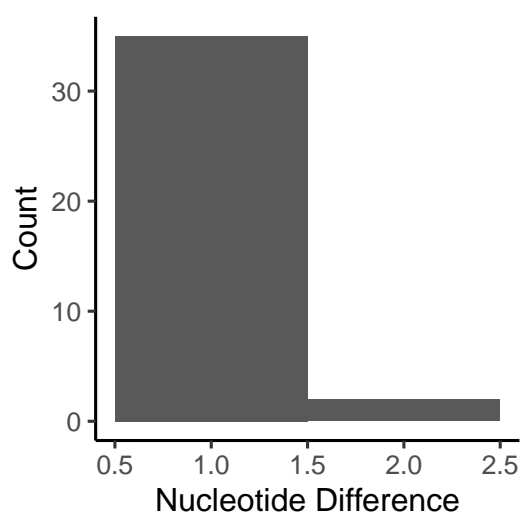
### TRBV6-56\*ap01

4925 sequences assigned  
4877 (99%) exact matches, in which:  
4825 unique CDR3  
13 unique J



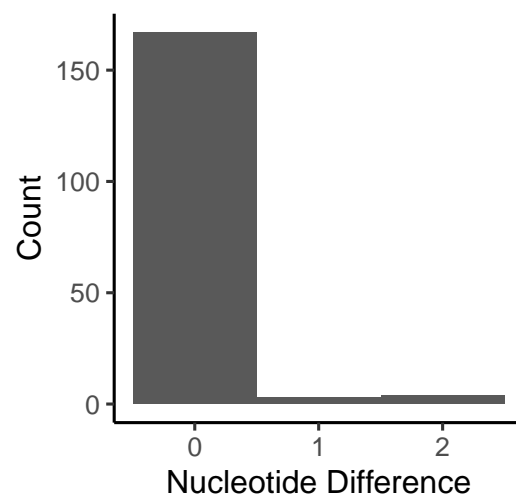
### TRBV7-1\*ap01\_T296C\_C

37 sequences assigned  
No exact matches.



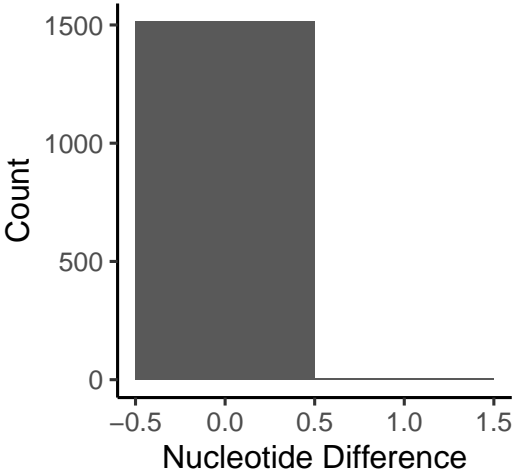
### TRBV7-4\*ap01

174 sequences assigned  
167 (96%) exact matches, in which:  
167 unique CDR3  
13 unique J



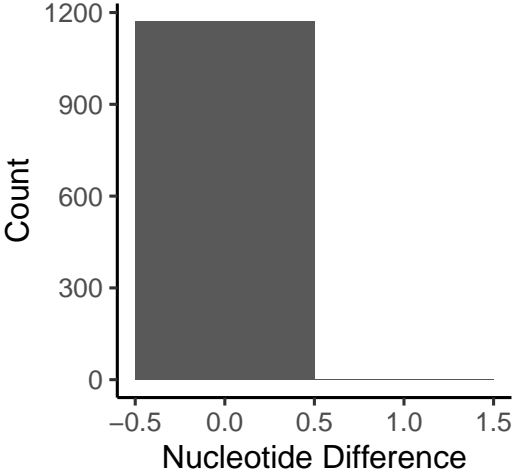
TRBV7-6\*ap01

1520 sequences assigned  
1515 (99.7%) exact matches, in which:  
1504 unique CDR3  
13 unique J



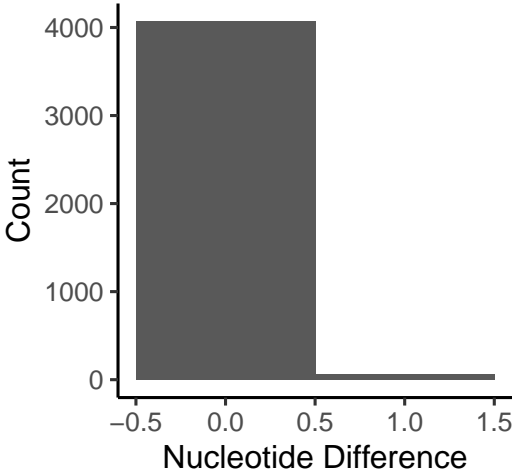
TRBV7-8\*ap01

1174 sequences assigned  
1171 (99.7%) exact matches, in which:  
1164 unique CDR3  
13 unique J



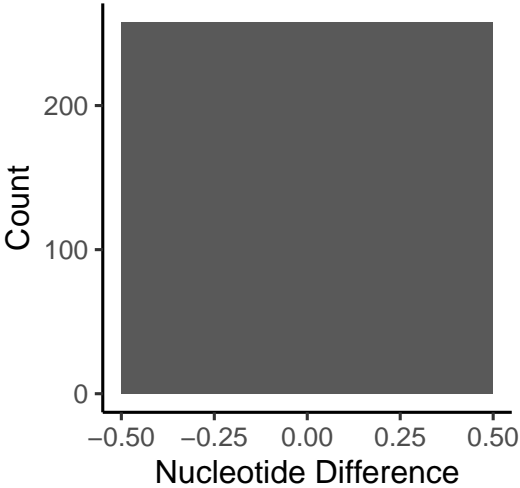
TRBV29-1\*ap01

4132 sequences assigned  
4069 (98.5%) exact matches, in which:  
3999 unique CDR3  
13 unique J



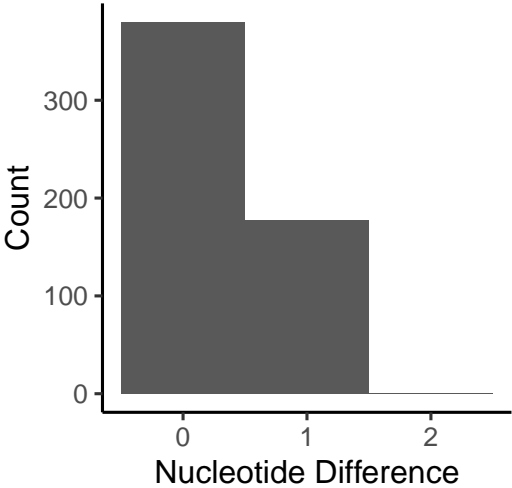
TRBV7-7\*ap01

258 sequences assigned  
258 (100%) exact matches, in which:  
255 unique CDR3  
13 unique J



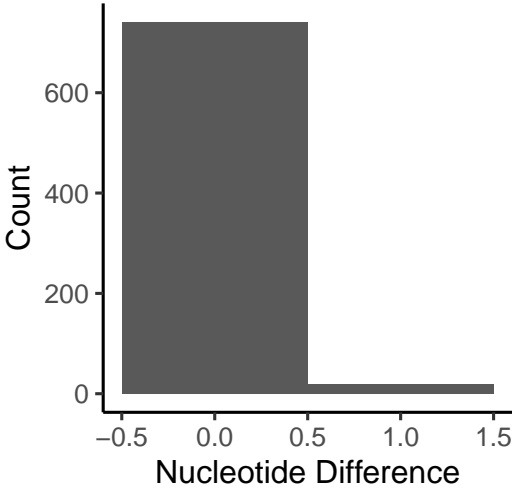
TRBV7-8\*ap03

558 sequences assigned  
380 (68.1%) exact matches, in which:  
376 unique CDR3  
13 unique J



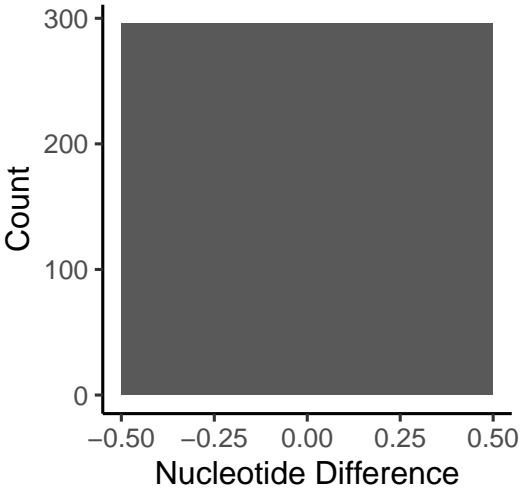
TRBV29-1\*ap02

759 sequences assigned  
741 (97.6%) exact matches, in which:  
725 unique CDR3  
13 unique J



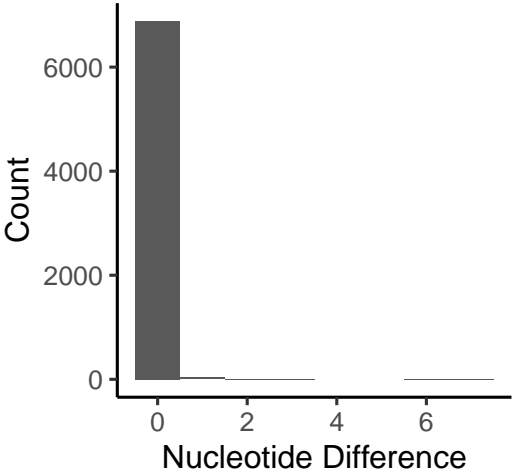
TRBV7-7\*ap01\_C315T

296 sequences assigned  
296 (100%) exact matches, in which:  
296 unique CDR3  
12 unique J

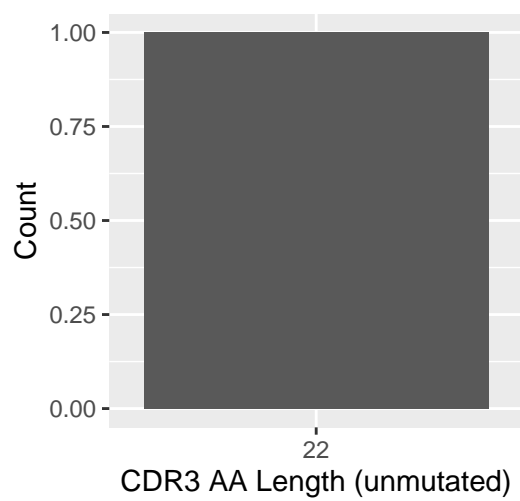


TRBV7-9\*ap01

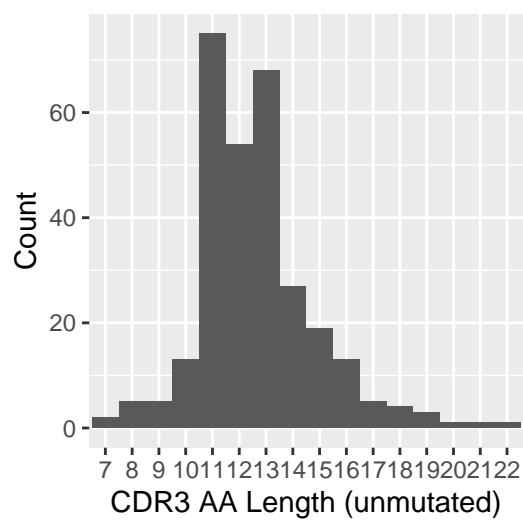
6927 sequences assigned  
6885 (99.4%) exact matches, in which:  
6836 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.