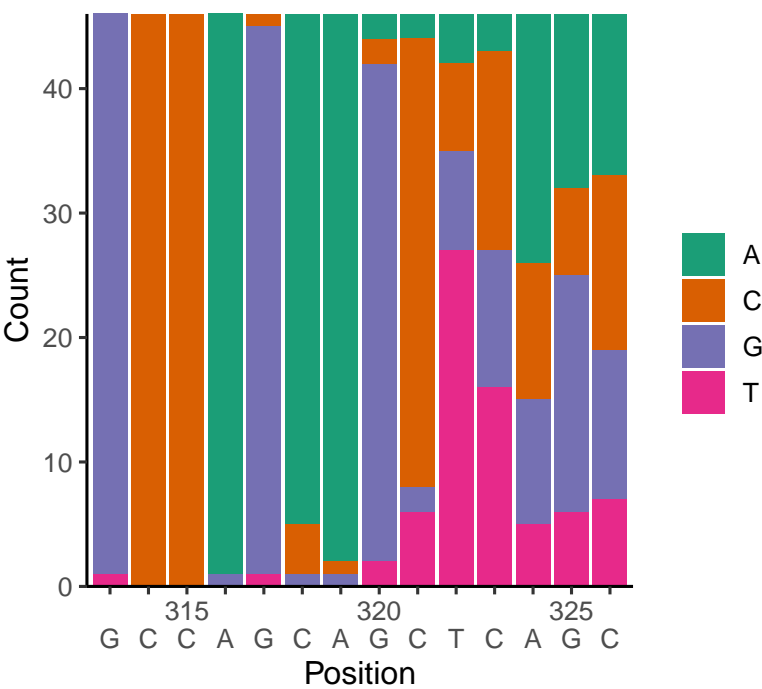
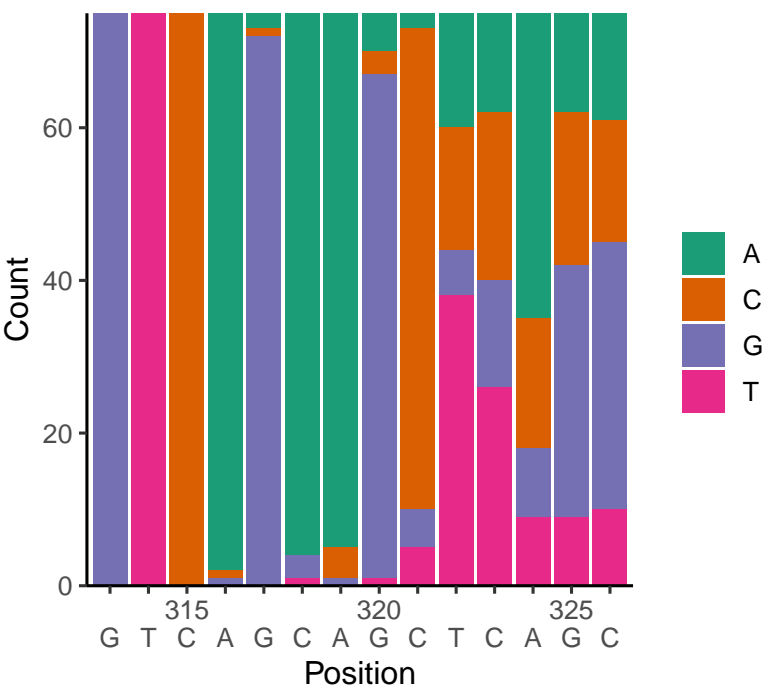


Gene TRBV7-1\*ap01\_G291C\_T296C



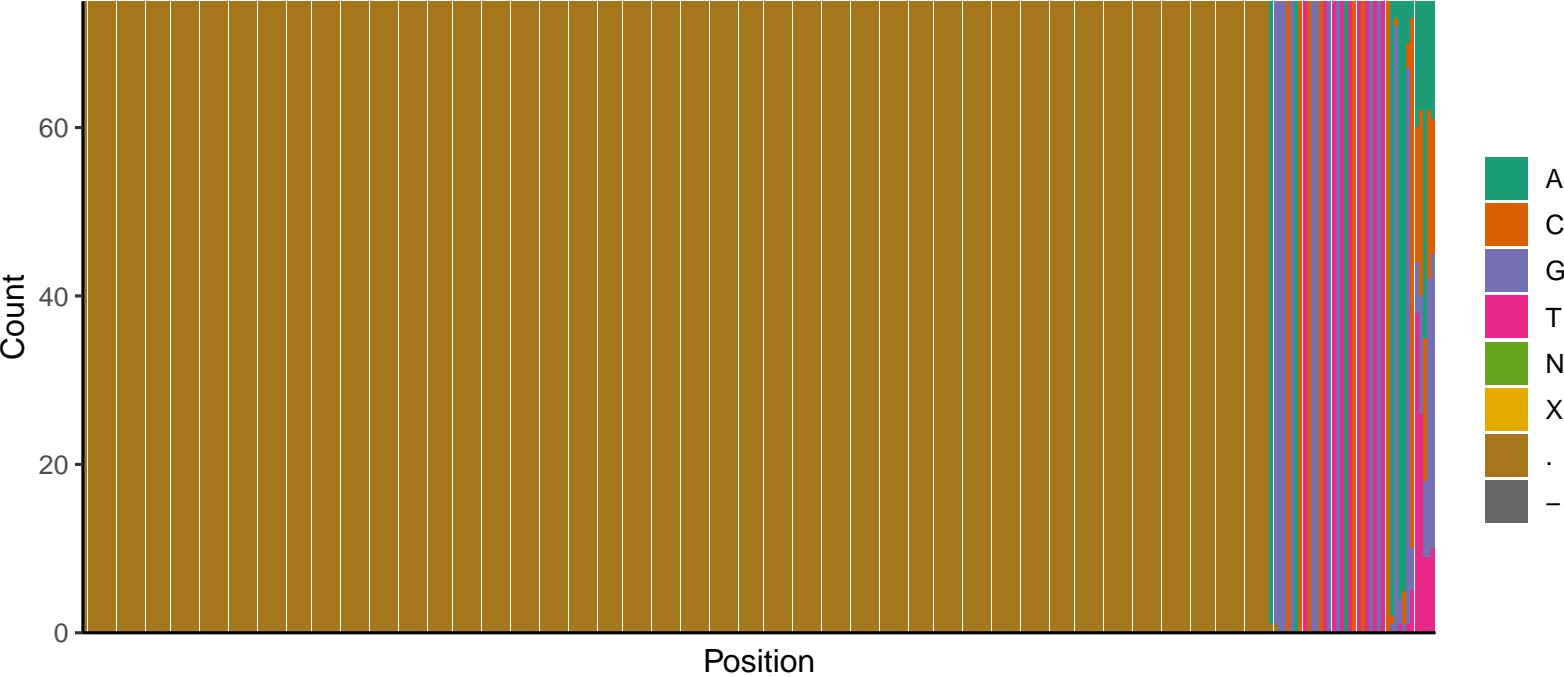
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



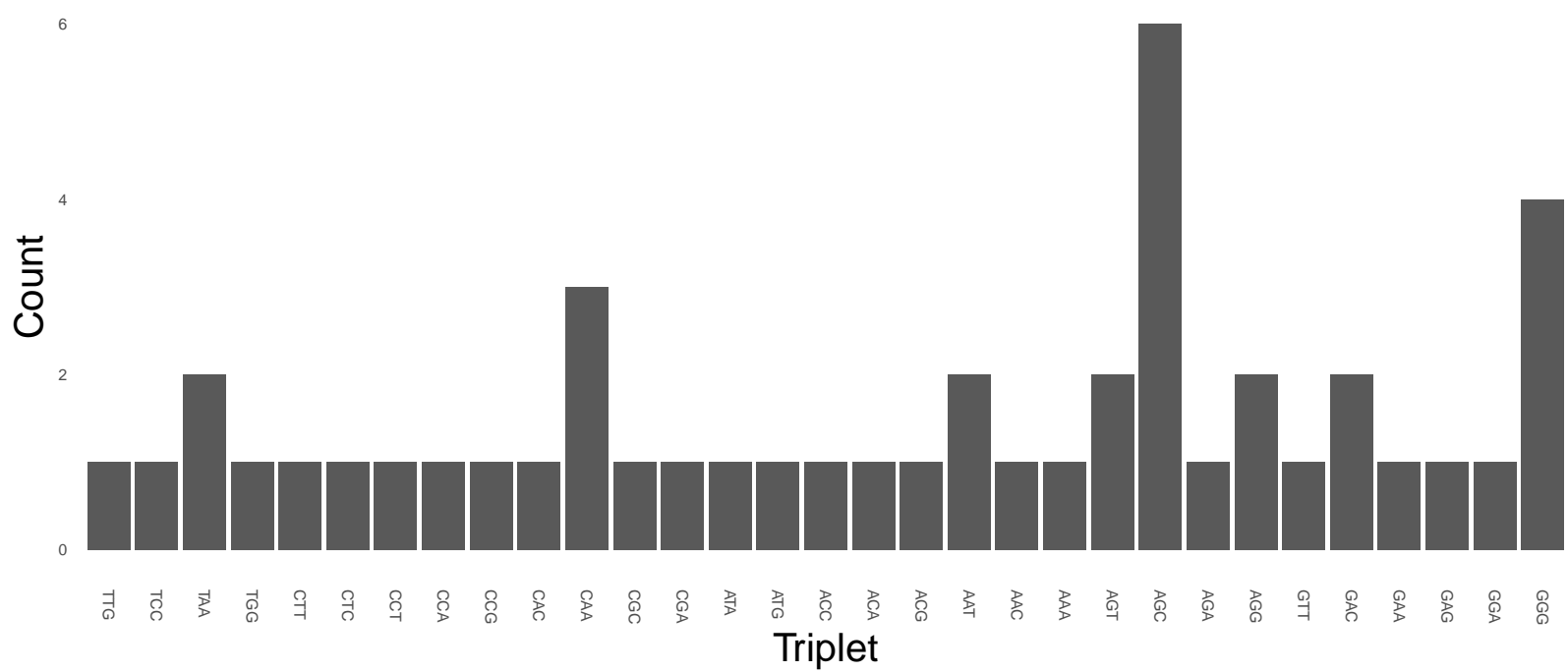
Gene TRBV7-1\*ap01\_G291C\_T296C



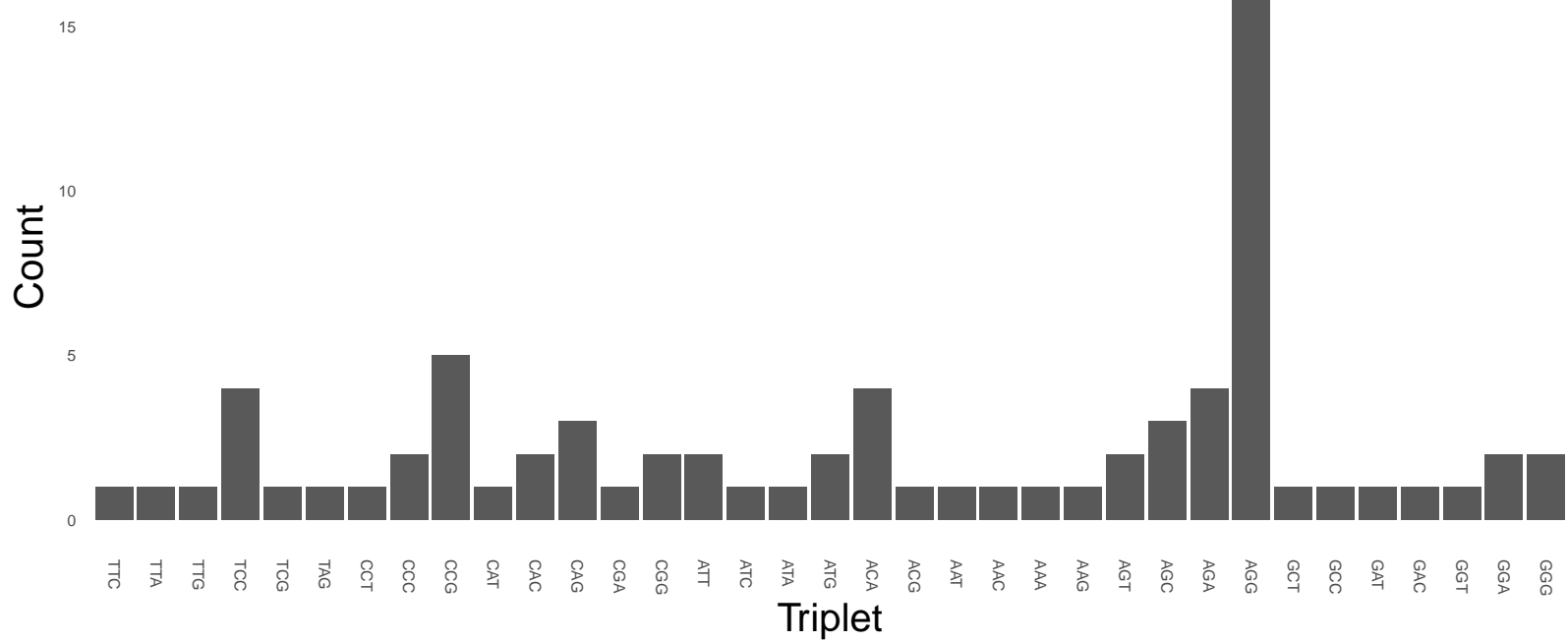
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

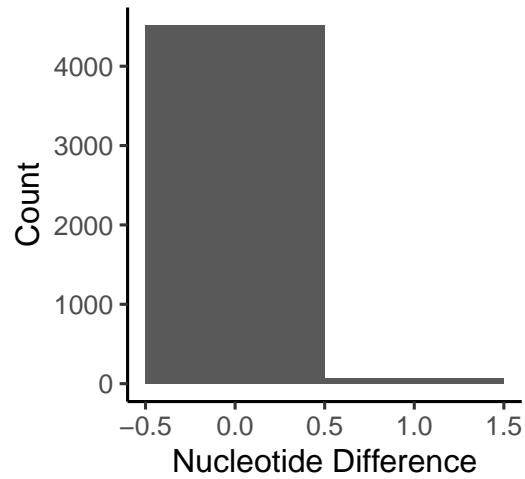


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



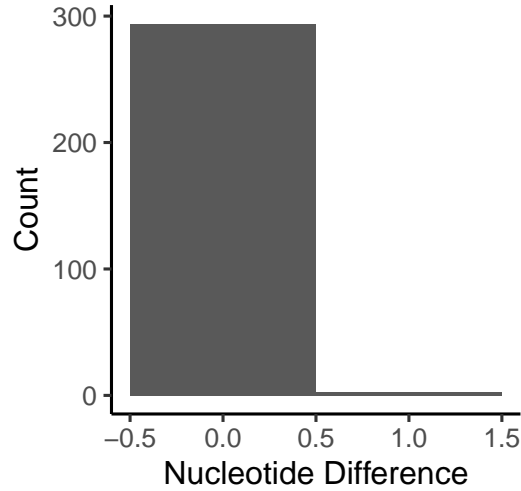
### TRBV20-1\*ap01

4579 sequences assigned  
4514 (98.6%) exact matches, in which:  
4441 unique CDR3  
13 unique J



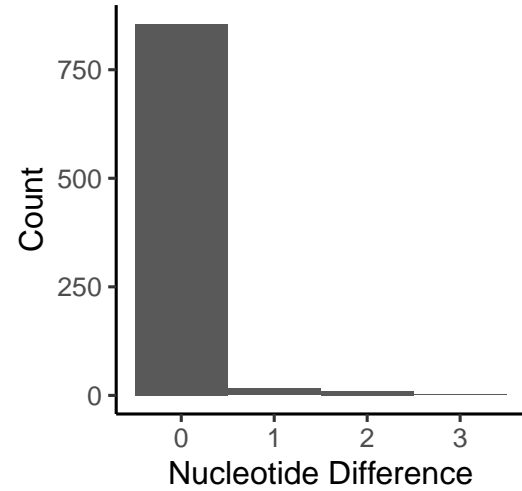
### TRBV10-2\*ap01

297 sequences assigned  
294 (99%) exact matches, in which:  
290 unique CDR3  
13 unique J



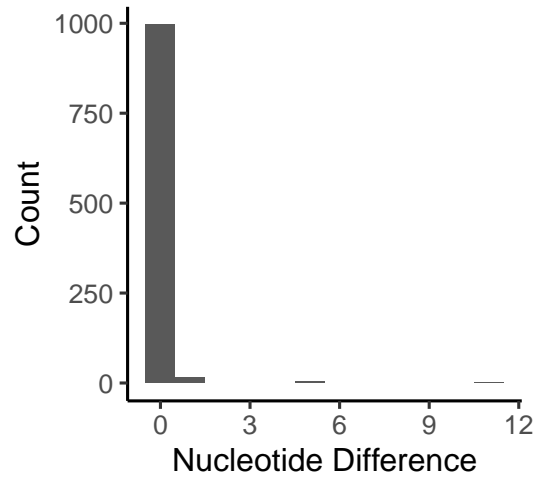
### TRBV13\*ap01

885 sequences assigned  
856 (96.7%) exact matches, in which:  
834 unique CDR3  
13 unique J



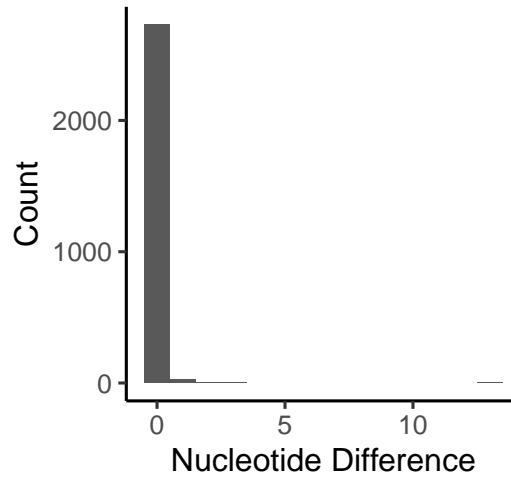
### TRBV10-1\*ap01

1015 sequences assigned  
996 (98.1%) exact matches, in which:  
979 unique CDR3  
13 unique J



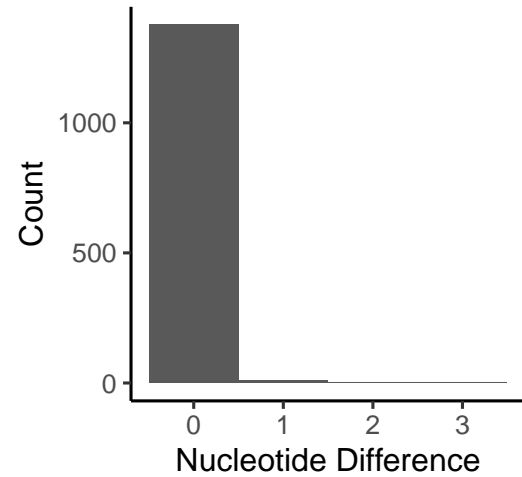
### TRBV10-3\*ap01

2760 sequences assigned  
2729 (98.9%) exact matches, in which:  
2668 unique CDR3  
13 unique J



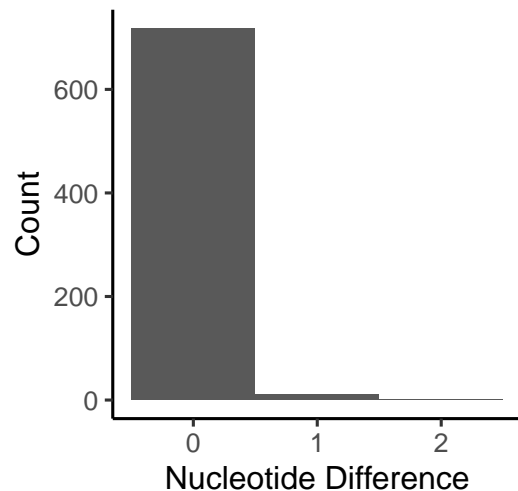
### TRBV14\*ap01

1388 sequences assigned  
1377 (99.2%) exact matches, in which:  
1352 unique CDR3  
13 unique J



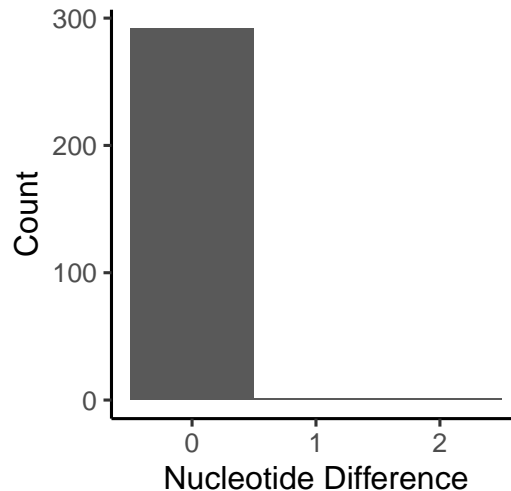
### TRBV20-1\*ap02

729 sequences assigned  
718 (98.5%) exact matches, in which:  
703 unique CDR3  
13 unique J



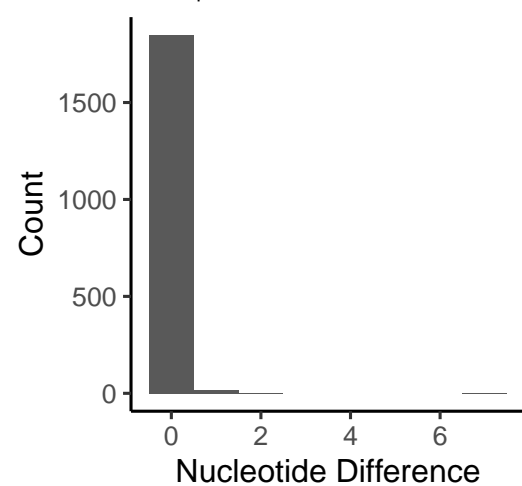
### TRBV1\*ap01

294 sequences assigned  
292 (99.3%) exact matches, in which:  
287 unique CDR3  
13 unique J



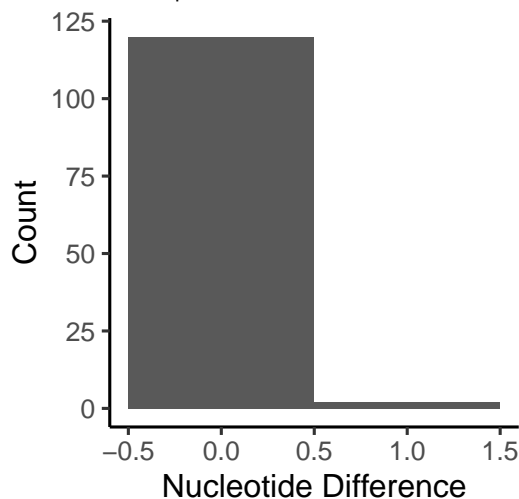
### TRBV15\*ap02

1867 sequences assigned  
1848 (99%) exact matches, in which:  
1804 unique CDR3  
13 unique J



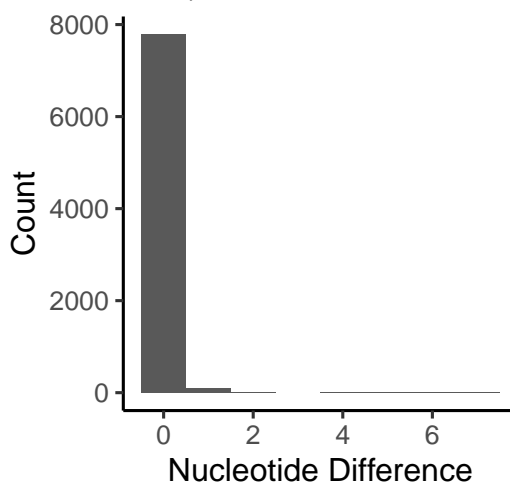
### TRBV16\*ap01

122 sequences assigned  
120 (98.4%) exact matches, in which:  
119 unique CDR3  
13 unique J



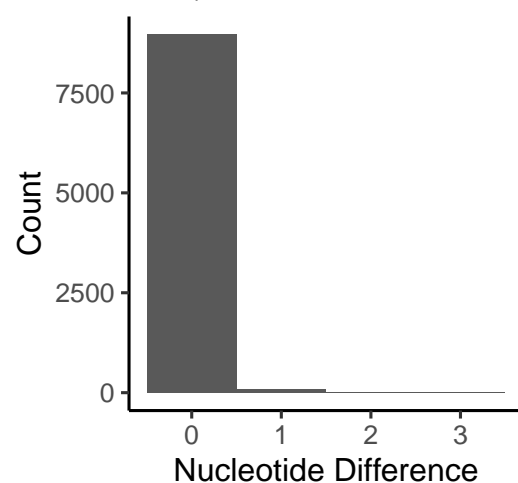
### TRBV19\*ap01

7887 sequences assigned  
7786 (98.7%) exact matches, in which:  
7667 unique CDR3  
13 unique J



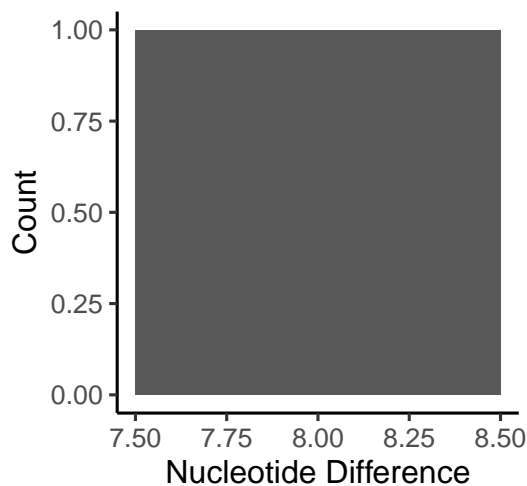
### TRBV28\*ap01

9068 sequences assigned  
8965 (98.9%) exact matches, in which:  
8794 unique CDR3  
13 unique J



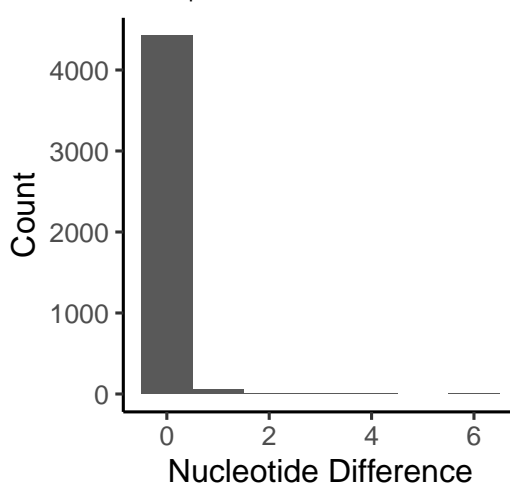
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



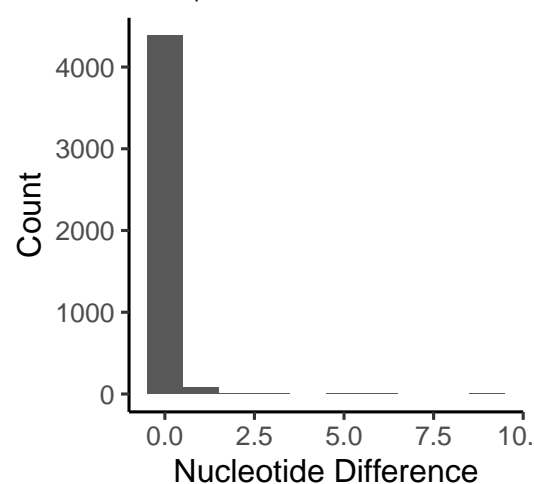
### TRBV2\*ap01

4491 sequences assigned  
4423 (98.5%) exact matches, in which:  
4368 unique CDR3  
13 unique J



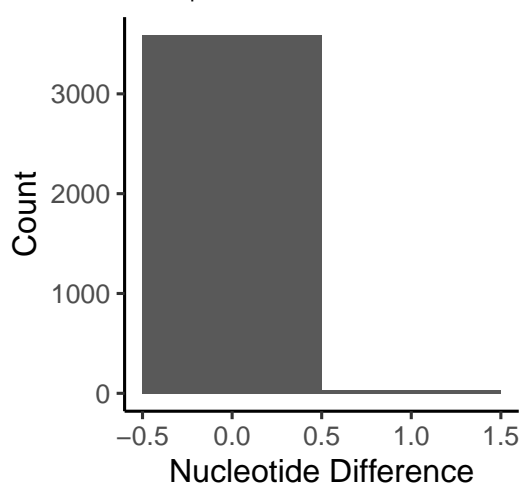
### TRBV30\*ap01

4469 sequences assigned  
4383 (98.1%) exact matches, in which:  
4344 unique CDR3  
13 unique J



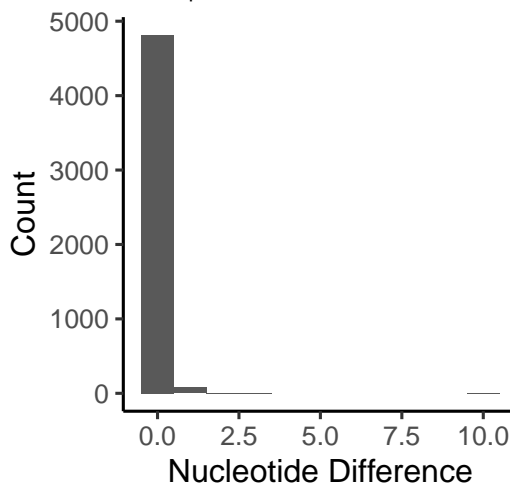
### TRBV18\*ap01

3620 sequences assigned  
3589 (99.1%) exact matches, in which:  
3531 unique CDR3  
13 unique J



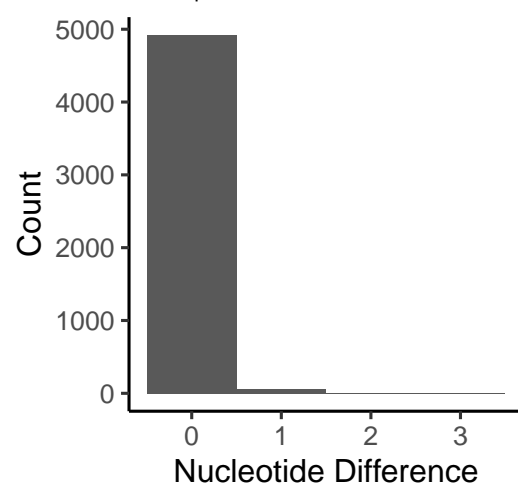
### TRBV27\*ap01

4897 sequences assigned  
4814 (98.3%) exact matches, in which:  
4718 unique CDR3  
13 unique J



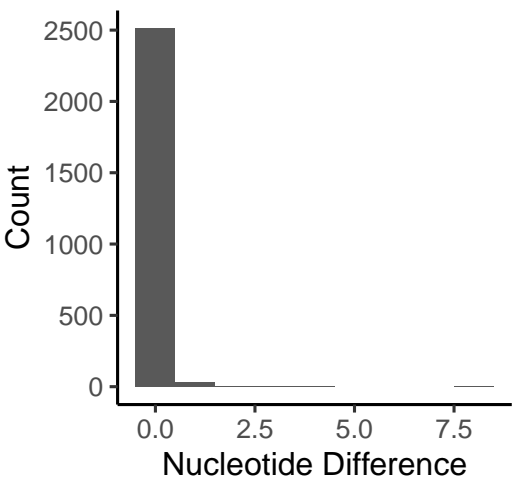
### TRBV9\*ap01

4990 sequences assigned  
4920 (98.6%) exact matches, in which:  
4825 unique CDR3  
13 unique J



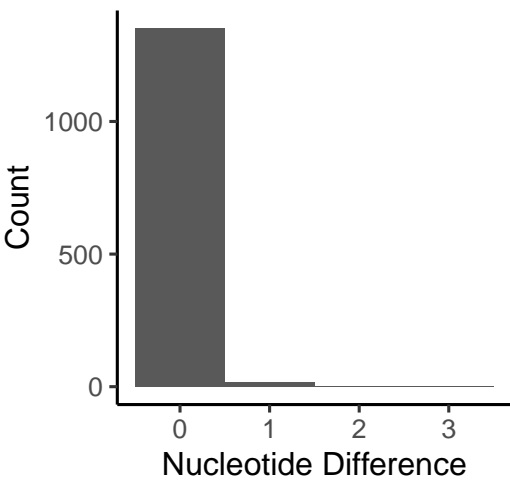
TRBV21-1\*ap01

2551 sequences assigned  
2512 (98.5%) exact matches, in which:  
2471 unique CDR3  
13 unique J



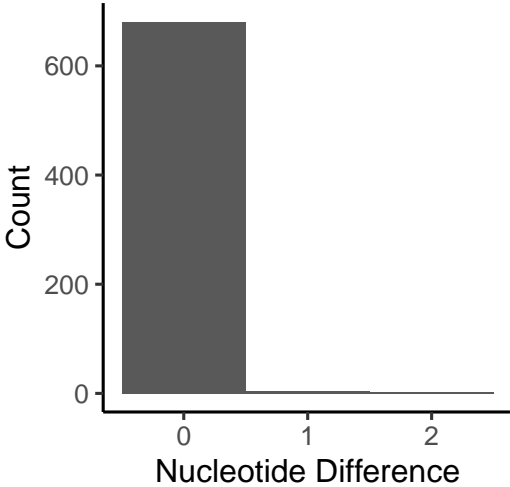
TRBV11-3\*ap01

1371 sequences assigned  
1351 (98.5%) exact matches, in which:  
1334 unique CDR3  
13 unique J



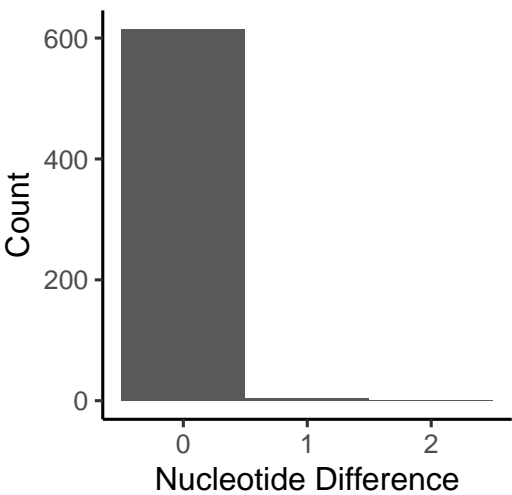
TRBV12-5\*ap01

688 sequences assigned  
681 (99%) exact matches, in which:  
673 unique CDR3  
13 unique J



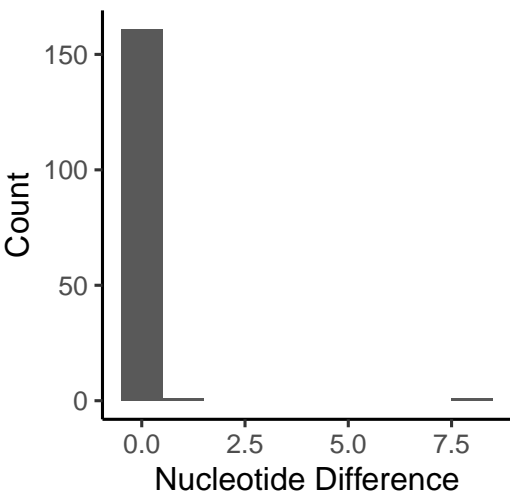
TRBV11-1\*ap01

620 sequences assigned  
615 (99.2%) exact matches, in which:  
604 unique CDR3  
13 unique J



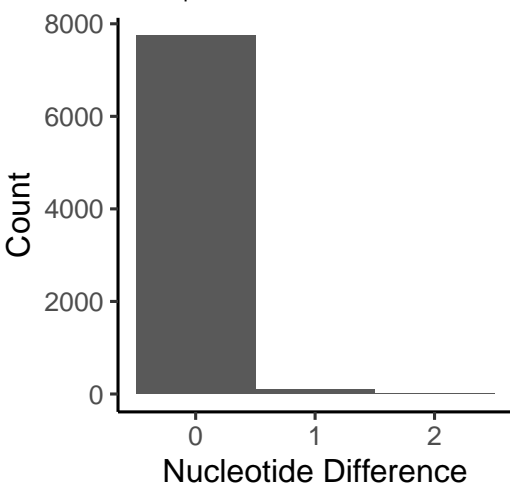
TRBV12-1\*ap01

163 sequences assigned  
161 (98.8%) exact matches, in which:  
157 unique CDR3  
13 unique J



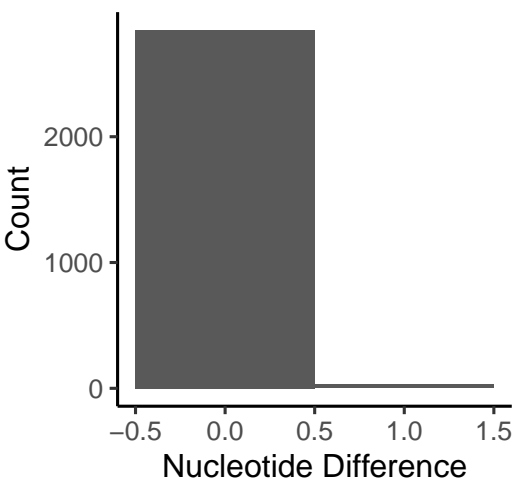
TRBV12-34\*ap01

7843 sequences assigned  
7742 (98.7%) exact matches, in which:  
7578 unique CDR3  
13 unique J



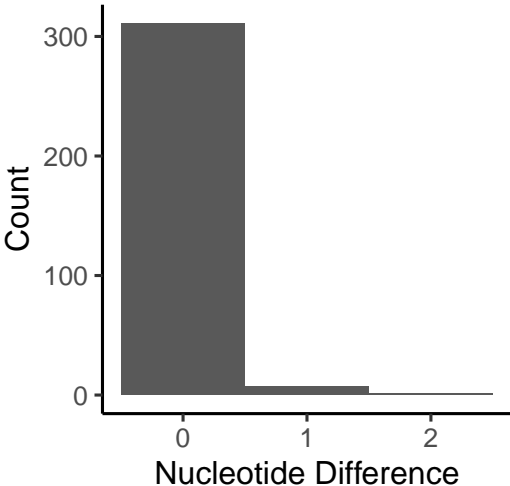
TRBV11-2\*ap01

2878 sequences assigned  
2848 (99%) exact matches, in which:  
2794 unique CDR3  
13 unique J



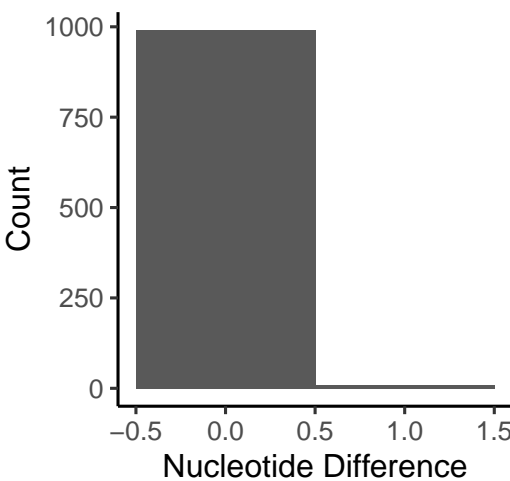
TRBV12-2\*ap01

319 sequences assigned  
311 (97.5%) exact matches, in which:  
305 unique CDR3  
13 unique J



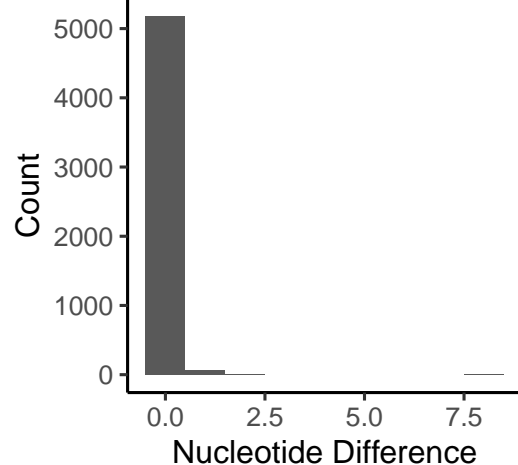
TRBV23-1\*ap01

1001 sequences assigned  
991 (99%) exact matches, in which:  
975 unique CDR3  
13 unique J



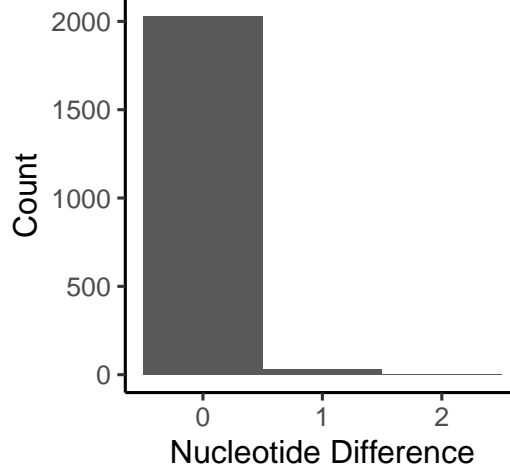
### TRBV3-12\*ap01

5252 sequences assigned  
5176 (98.6%) exact matches, in which:  
5082 unique CDR3  
13 unique J



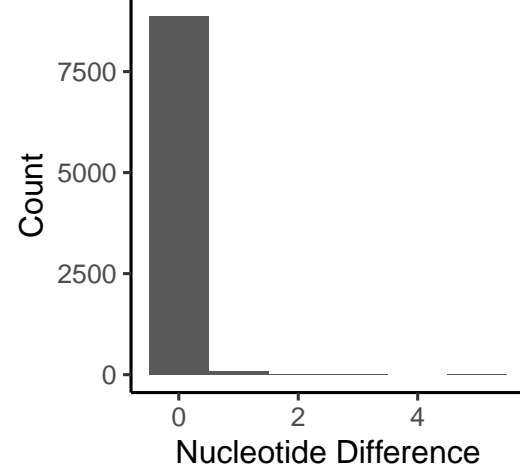
### TRBV4-2\*ap01

2065 sequences assigned  
2028 (98.2%) exact matches, in which:  
1997 unique CDR3  
13 unique J



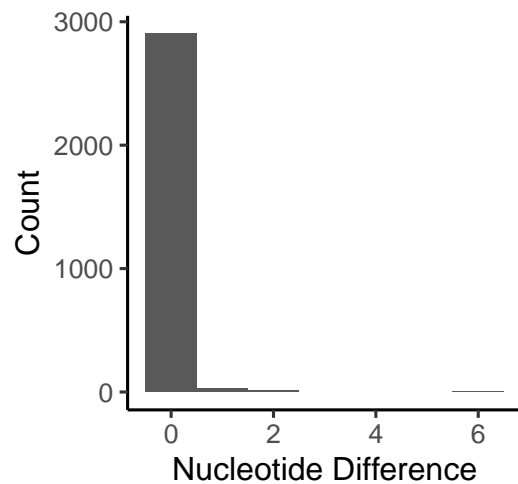
### TRBV5-1\*ap01

8958 sequences assigned  
8865 (99%) exact matches, in which:  
8626 unique CDR3  
13 unique J



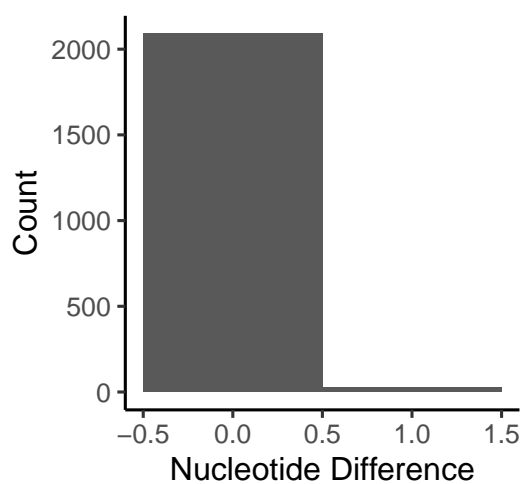
### TRBV4-1\*ap01

2941 sequences assigned  
2903 (98.7%) exact matches, in which:  
2855 unique CDR3  
13 unique J



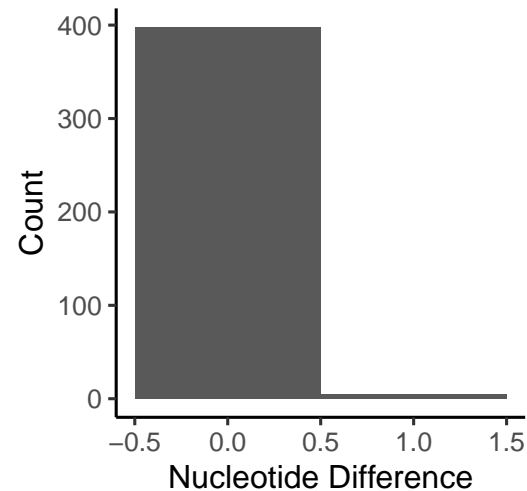
### TRBV4-3\*ap01

2115 sequences assigned  
2090 (98.8%) exact matches, in which:  
2062 unique CDR3  
13 unique J



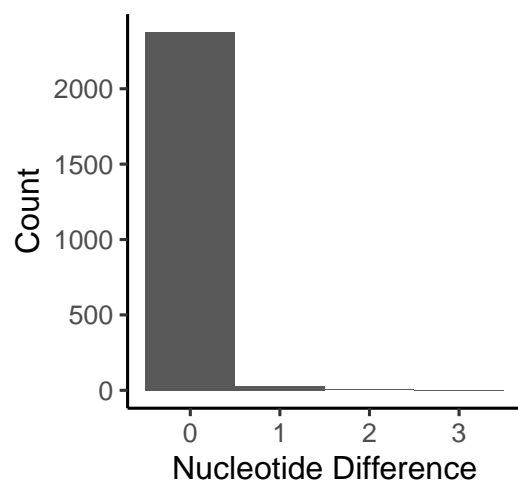
### TRBV5-3\*ap01

403 sequences assigned  
398 (98.8%) exact matches, in which:  
392 unique CDR3  
13 unique J



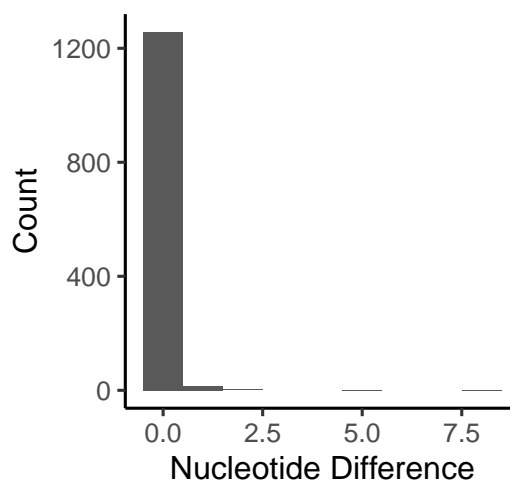
### TRBV24-1\*ap01

2409 sequences assigned  
2376 (98.6%) exact matches, in which:  
2339 unique CDR3  
13 unique J



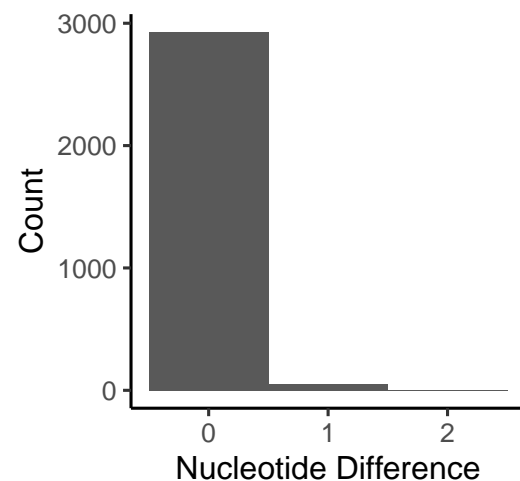
### TRBV25-1\*ap01

1278 sequences assigned  
1257 (98.4%) exact matches, in which:  
1237 unique CDR3  
13 unique J



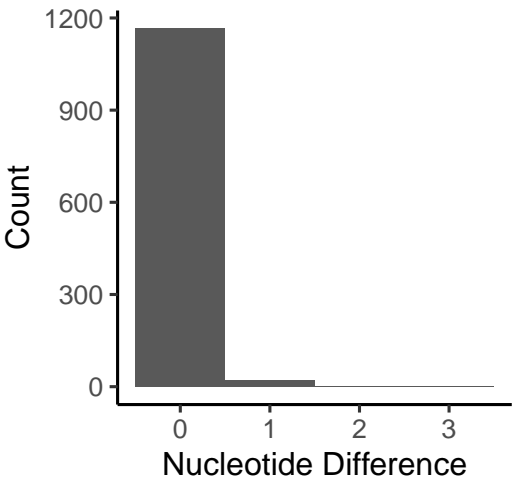
### TRBV5-4\*ap01

2983 sequences assigned  
2928 (98.2%) exact matches, in which:  
2867 unique CDR3  
13 unique J



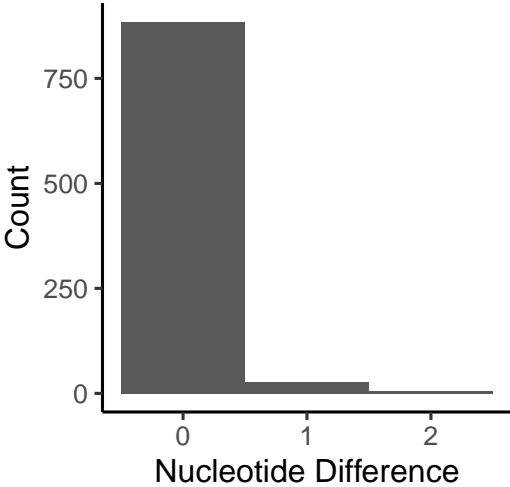
TRBV5-5\*ap01

1192 sequences assigned  
1166 (97.8%) exact matches, in which:  
1149 unique CDR3  
13 unique J



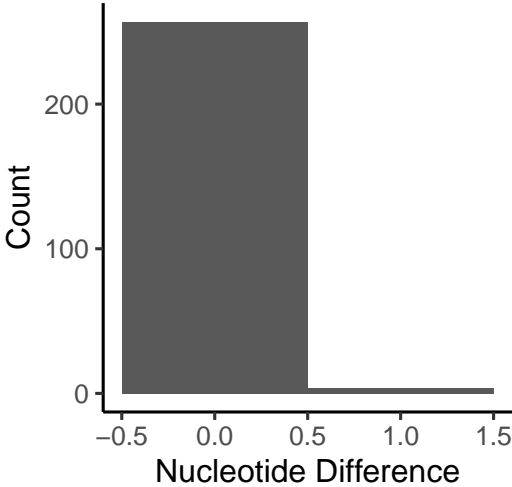
TRBV5-8\*ap01

918 sequences assigned  
885 (96.4%) exact matches, in which:  
869 unique CDR3  
13 unique J



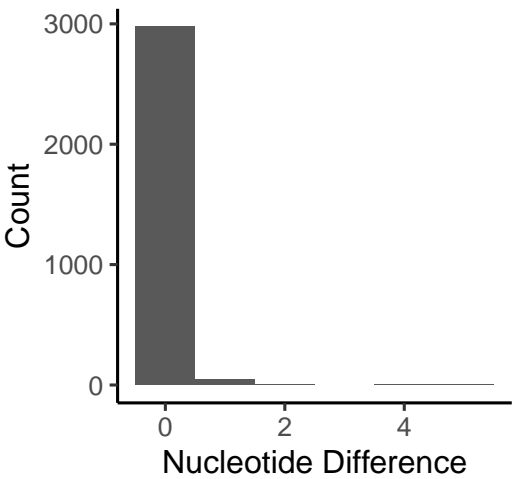
TRBV6-7\*ap01

261 sequences assigned  
257 (98.5%) exact matches, in which:  
254 unique CDR3  
13 unique J



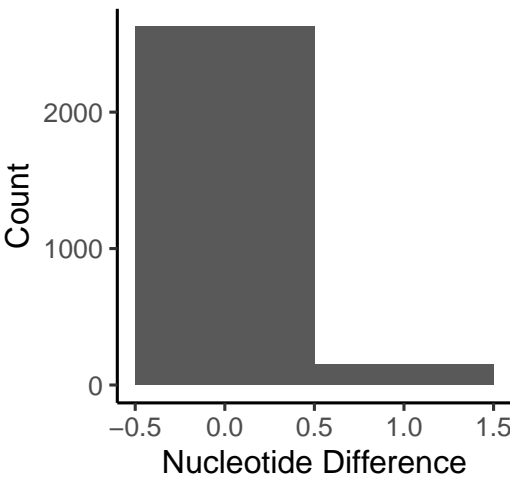
TRBV5-6\*ap01

3023 sequences assigned  
2976 (98.4%) exact matches, in which:  
2922 unique CDR3  
13 unique J



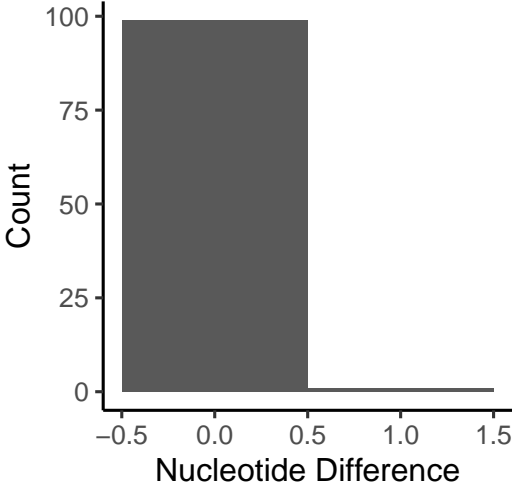
TRBV6-1\*ap01

2776 sequences assigned  
2626 (94.6%) exact matches, in which:  
2573 unique CDR3  
13 unique J



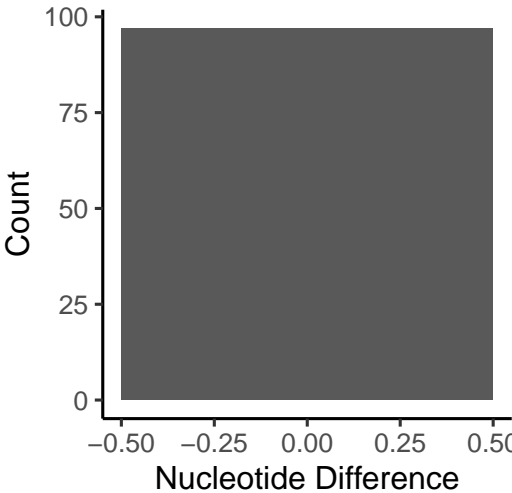
TRBV6-8\*ap01

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



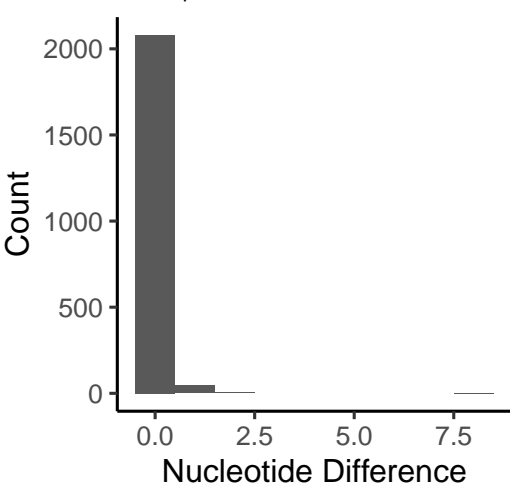
TRBV5-7\*ap01

97 sequences assigned  
97 (100%) exact matches, in which:  
97 unique CDR3  
13 unique J



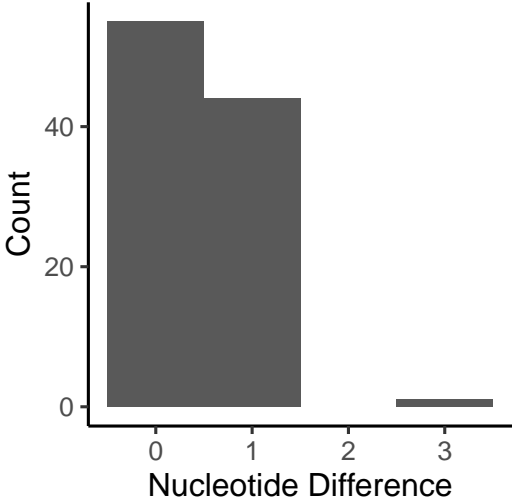
TRBV6-4\*ap01

2131 sequences assigned  
2080 (97.6%) exact matches, in which:  
2038 unique CDR3  
13 unique J



TRBV6-9\*ap01

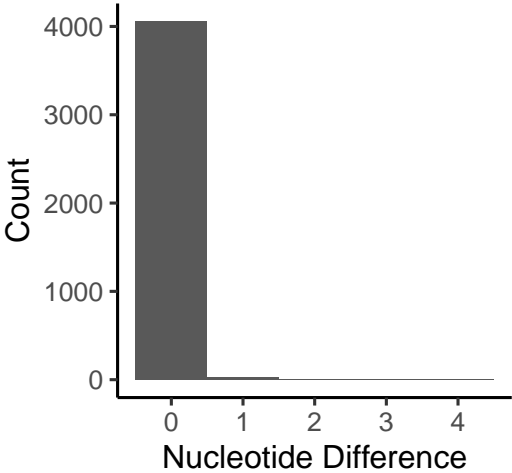
100 sequences assigned  
55 (55%) exact matches, in which:  
53 unique CDR3  
11 unique J





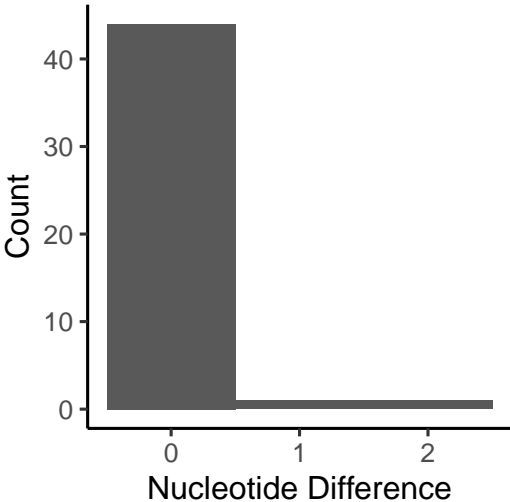
TRBV6-23\*ap01

4093 sequences assigned  
4057 (99.1%) exact matches, in which:  
3989 unique CDR3  
13 unique J



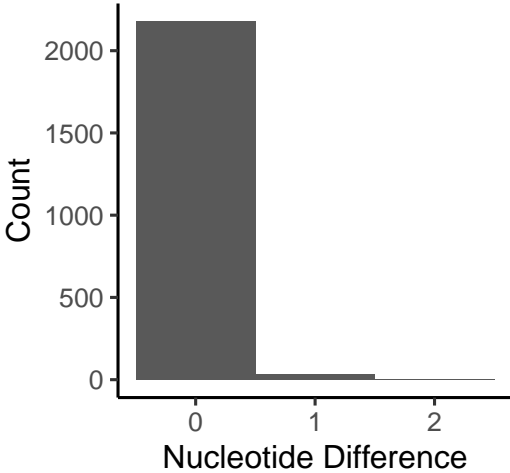
TRBV7-1\*ap01\_G291C\_T

46 sequences assigned  
44 (95.7%) exact matches, in which:  
44 unique CDR3  
11 unique J



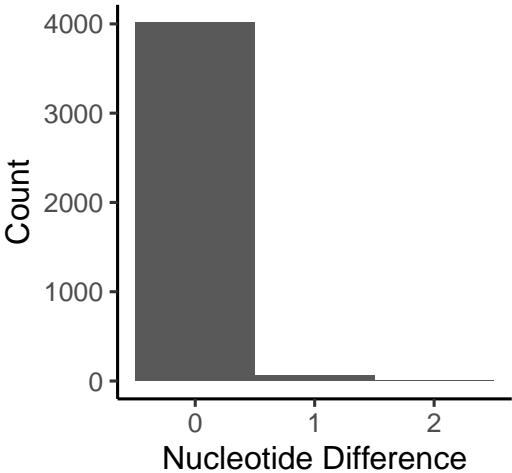
TRBV7-3\*ap01

2212 sequences assigned  
2178 (98.5%) exact matches, in which:  
2136 unique CDR3  
13 unique J



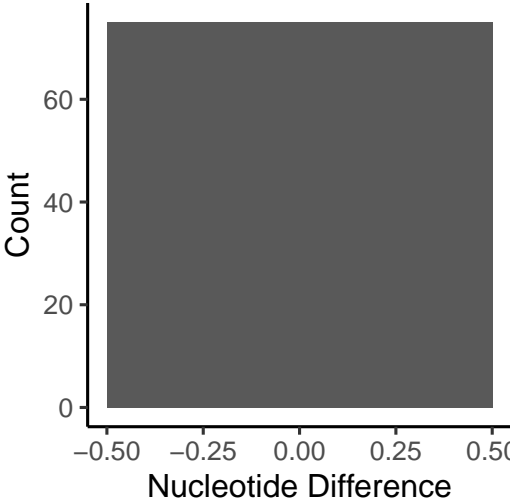
TRBV6-56\*ap01

4078 sequences assigned  
4013 (98.4%) exact matches, in which:  
3948 unique CDR3  
13 unique J



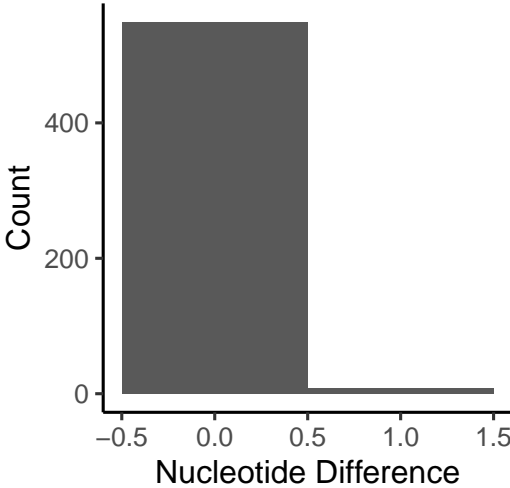
TRBV7-1\*ap01\_G291C\_T

75 sequences assigned  
75 (100%) exact matches, in which:  
75 unique CDR3  
13 unique J



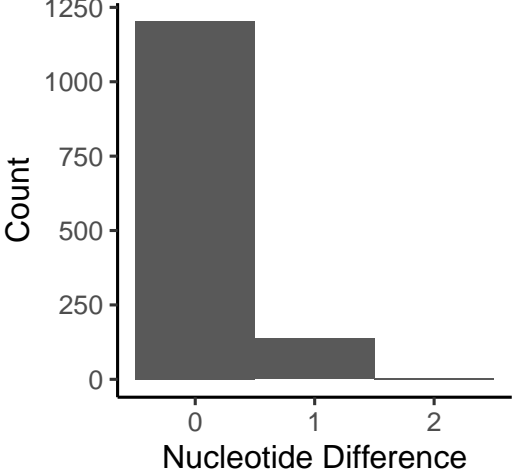
TRBV7-3\*ap03

557 sequences assigned  
549 (98.6%) exact matches, in which:  
544 unique CDR3  
13 unique J



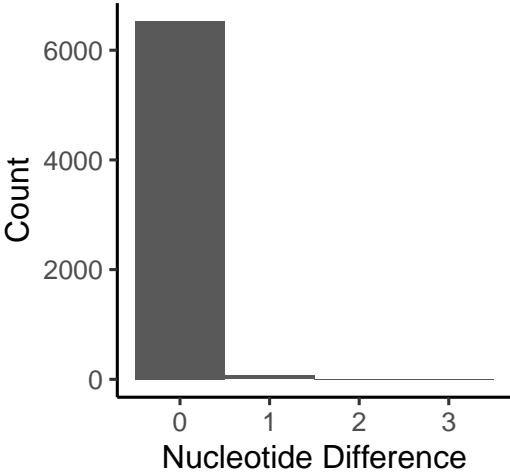
TRBV6-56\*ap02

1346 sequences assigned  
1204 (89.5%) exact matches, in which:  
1185 unique CDR3  
13 unique J



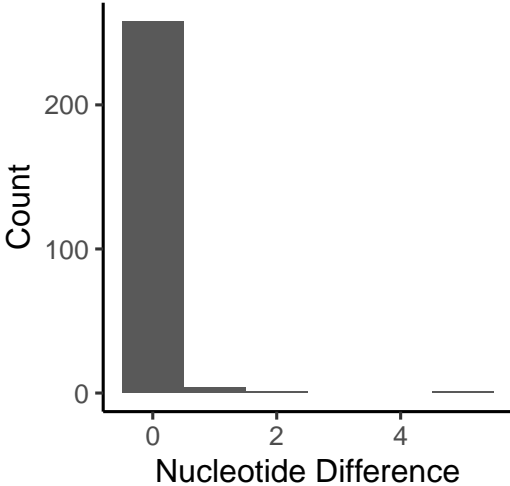
TRBV7-2\*ap01

6608 sequences assigned  
6532 (98.8%) exact matches, in which:  
6419 unique CDR3  
13 unique J



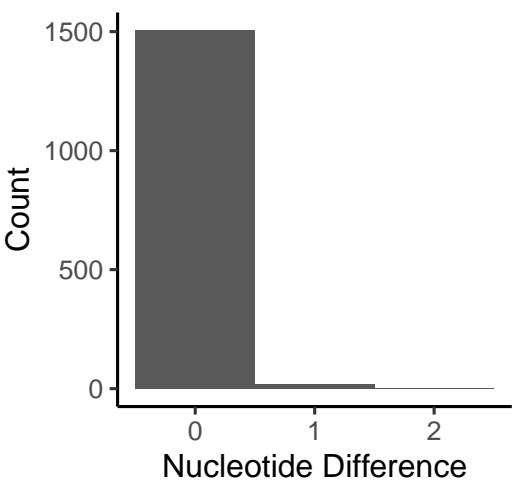
TRBV7-4\*ap01

264 sequences assigned  
258 (97.7%) exact matches, in which:  
251 unique CDR3  
13 unique J



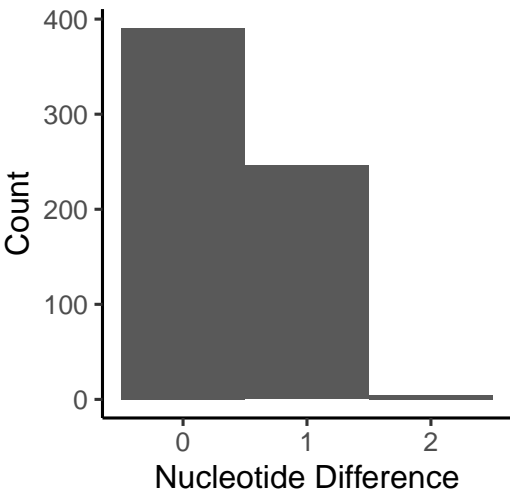
TRBV7-6\*ap01

1529 sequences assigned  
1505 (98.4%) exact matches, in which:  
1470 unique CDR3  
13 unique J



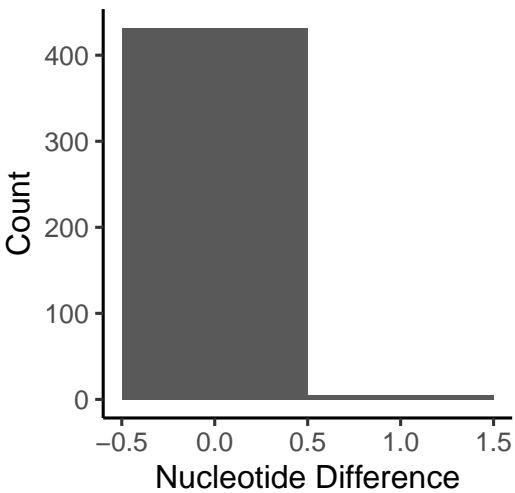
TRBV7-8\*ap03

642 sequences assigned  
391 (60.9%) exact matches, in which:  
383 unique CDR3  
13 unique J



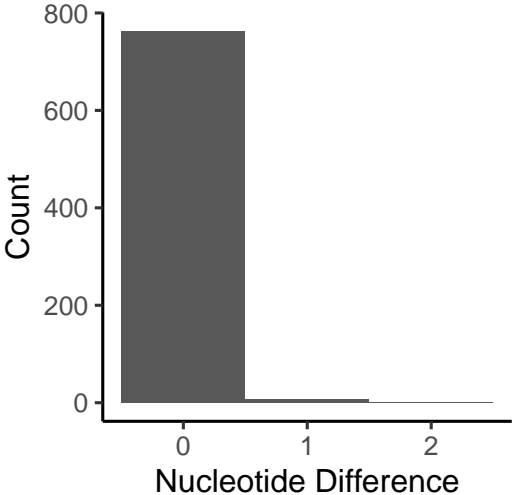
TRBV29-1\*ap02

437 sequences assigned  
432 (98.9%) exact matches, in which:  
427 unique CDR3  
13 unique J



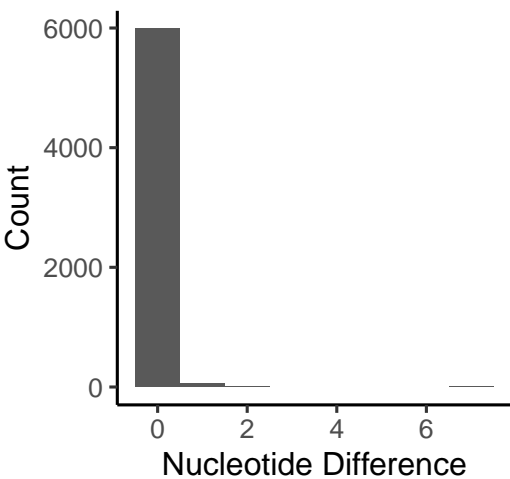
TRBV7-7\*ap01

772 sequences assigned  
763 (98.8%) exact matches, in which:  
746 unique CDR3  
13 unique J



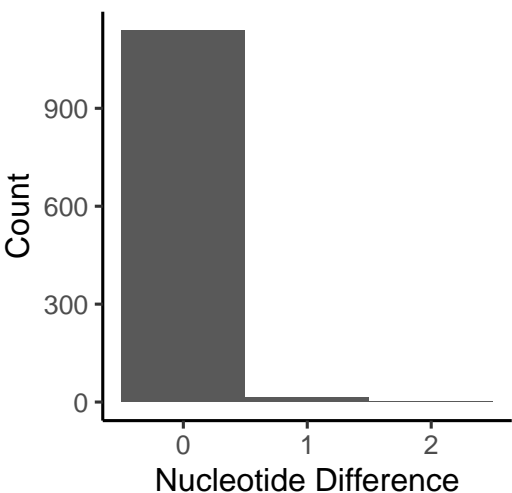
TRBV7-9\*ap01

6058 sequences assigned  
5988 (98.8%) exact matches, in which:  
5899 unique CDR3  
13 unique J



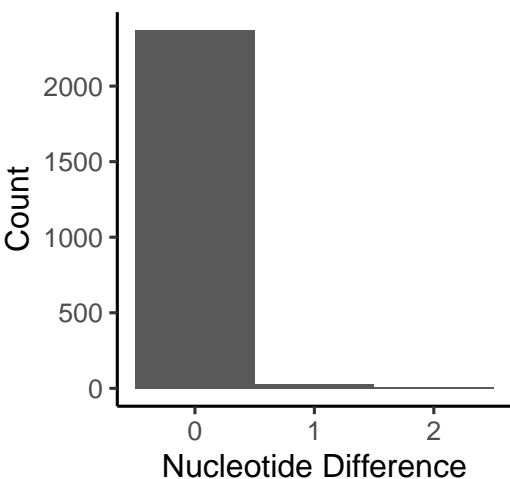
TRBV7-8\*ap01

1154 sequences assigned  
1139 (98.7%) exact matches, in which:  
1109 unique CDR3  
13 unique J

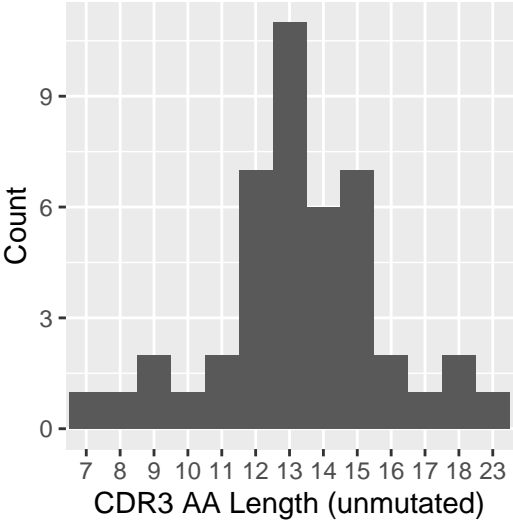


TRBV29-1\*ap01

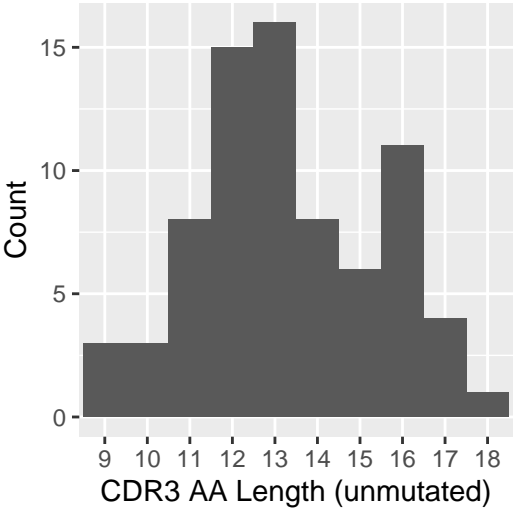
2406 sequences assigned  
2371 (98.5%) exact matches, in which:  
2331 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



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





[illegible]