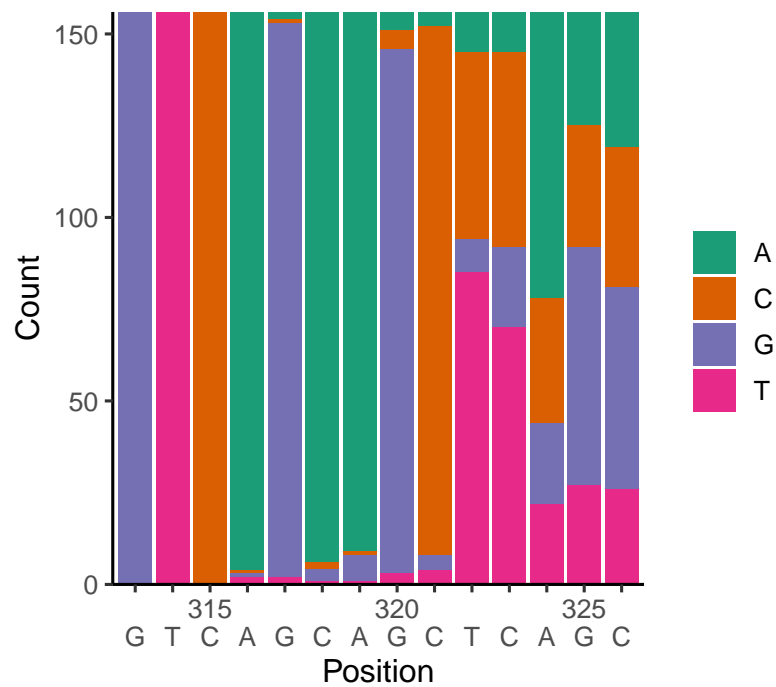
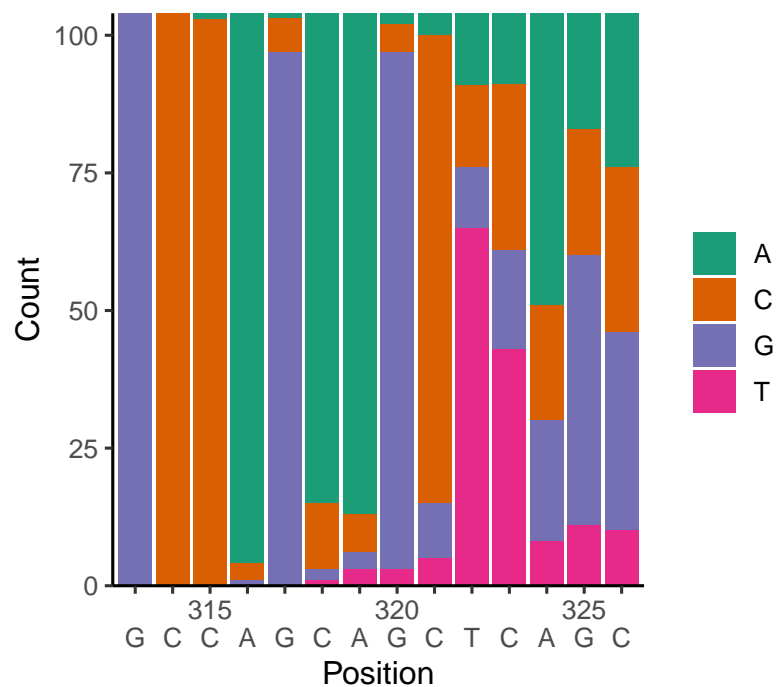


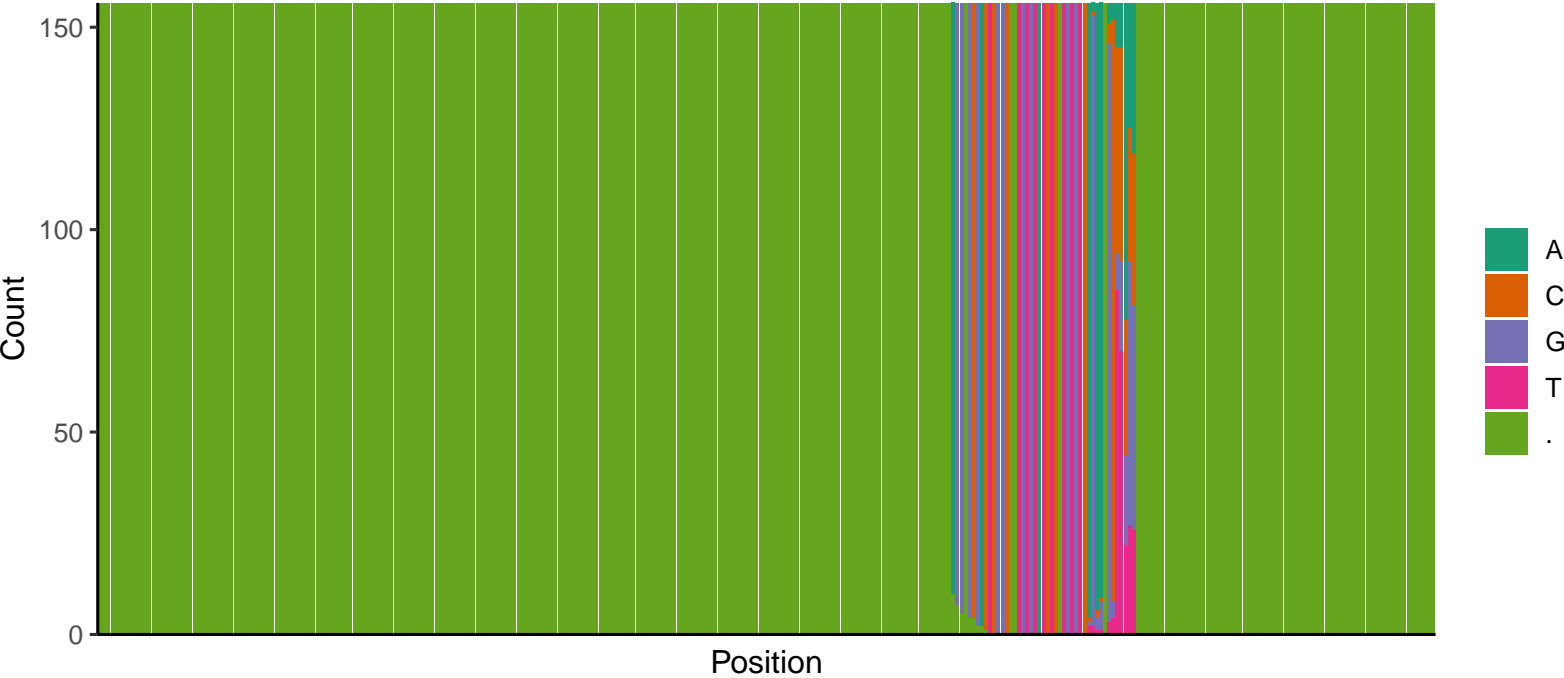
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



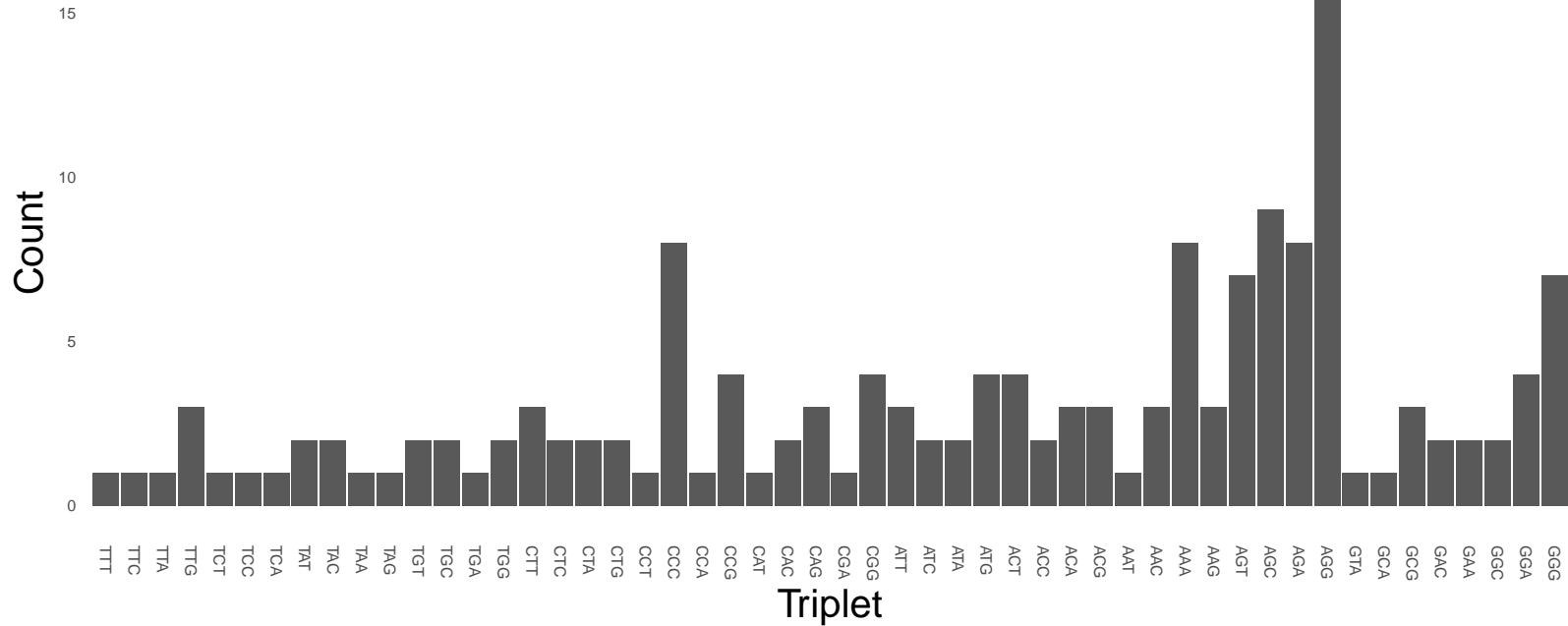
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



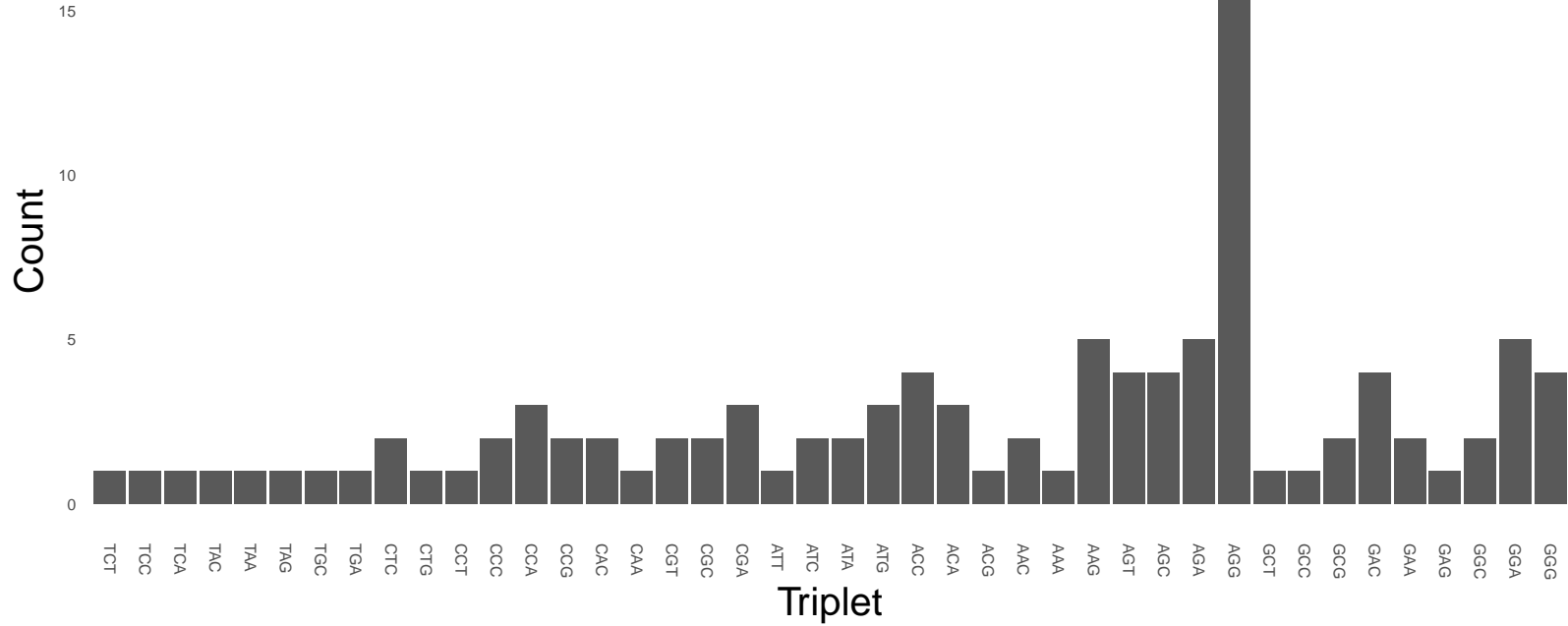
Gene TRBV7-1\*ap01\_G291C\_T296C



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

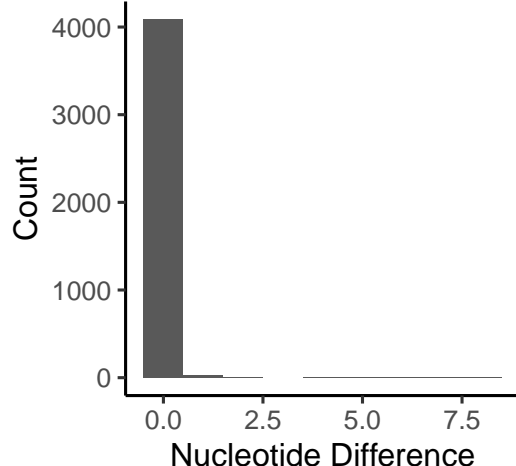


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



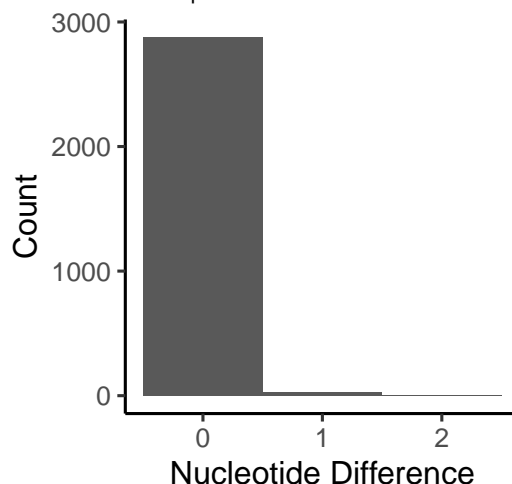
### TRBV10-1\*ap01

4127 sequences assigned  
4087 (99%) exact matches, in which:  
3994 unique CDR3  
13 unique J



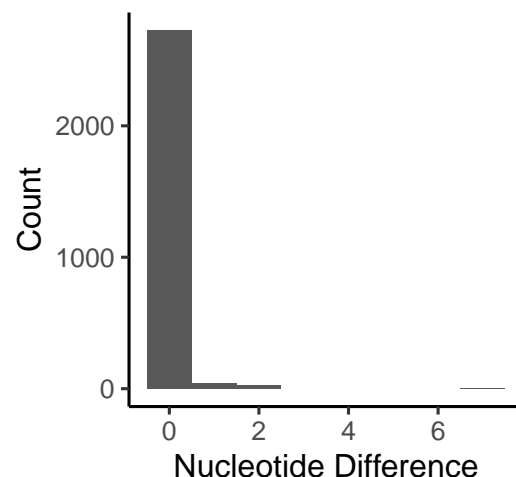
### TRBV10-2\*ap01

2909 sequences assigned  
2876 (98.9%) exact matches, in which:  
2833 unique CDR3  
13 unique J



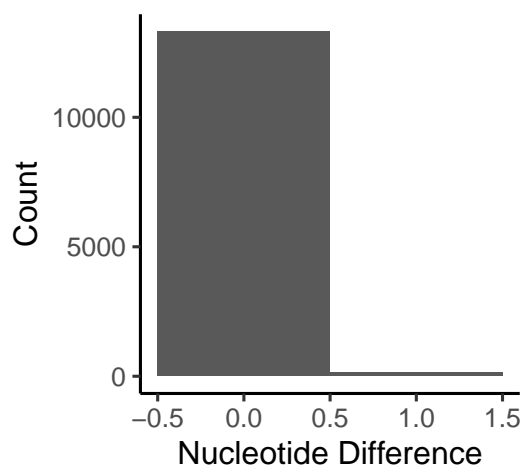
### TRBV13\*ap01

2796 sequences assigned  
2726 (97.5%) exact matches, in which:  
2654 unique CDR3  
13 unique J



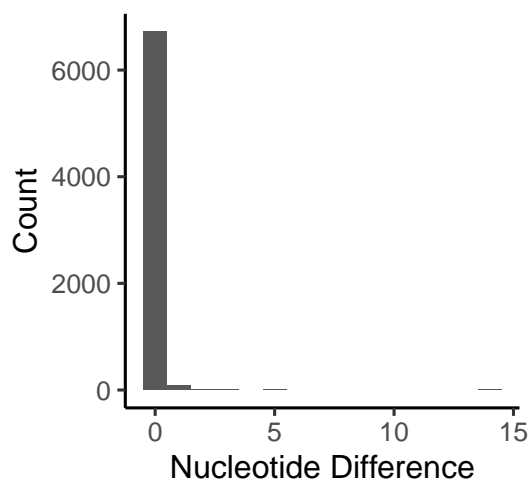
### TRBV20-1\*ap01

13467 sequences assigned  
13315 (98.9%) exact matches, in which:  
13149 unique CDR3  
13 unique J



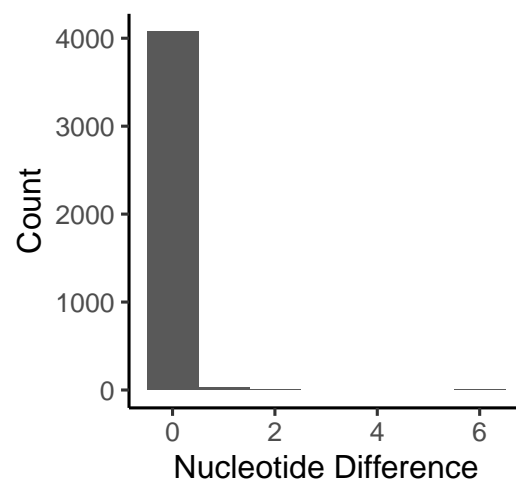
### TRBV10-3\*ap01

6817 sequences assigned  
6719 (98.6%) exact matches, in which:  
6582 unique CDR3  
13 unique J



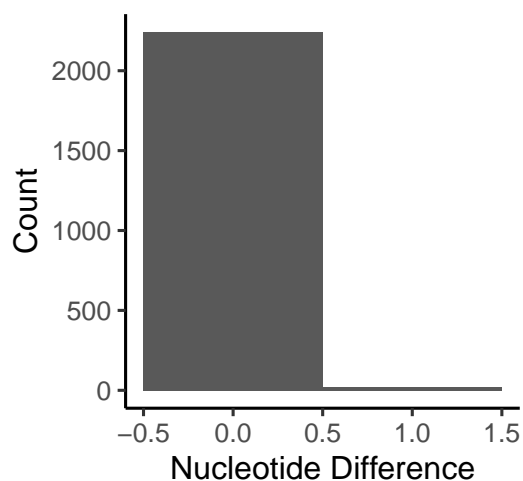
### TRBV14\*ap01

4103 sequences assigned  
4074 (99.3%) exact matches, in which:  
4023 unique CDR3  
13 unique J



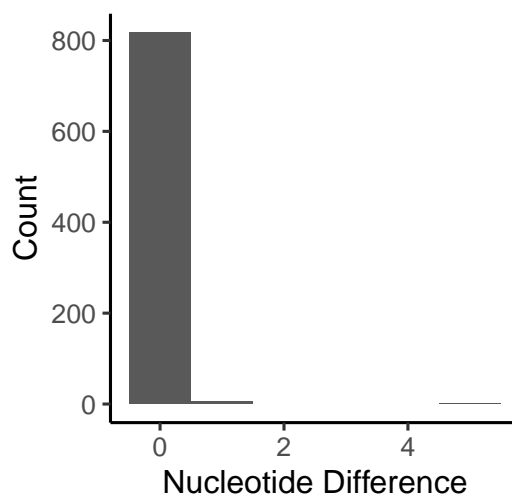
### TRBV20-1\*ap02

2262 sequences assigned  
2242 (99.1%) exact matches, in which:  
2218 unique CDR3  
13 unique J



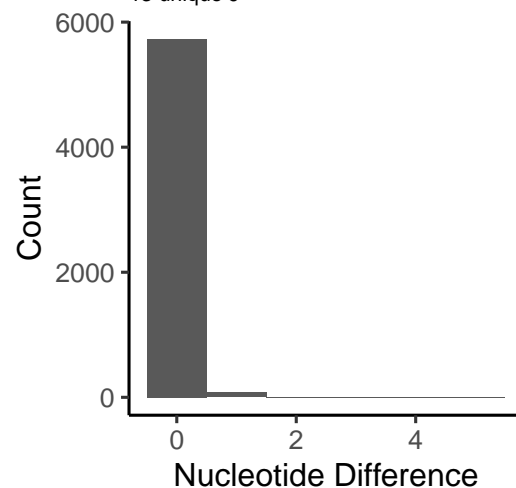
### TRBV1\*ap01

824 sequences assigned  
818 (99.3%) exact matches, in which:  
804 unique CDR3  
13 unique J



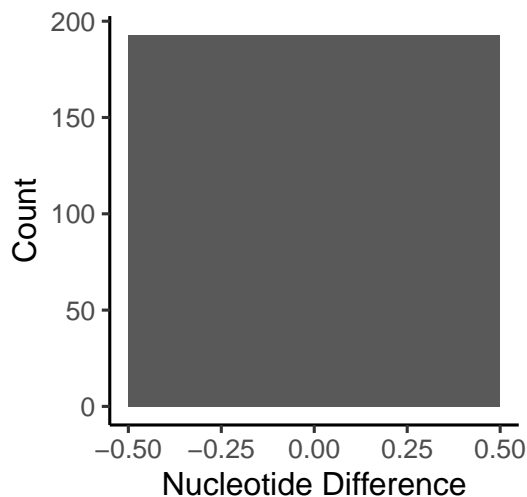
### TRBV15\*ap02

5810 sequences assigned  
5729 (98.6%) exact matches, in which:  
5629 unique CDR3  
13 unique J



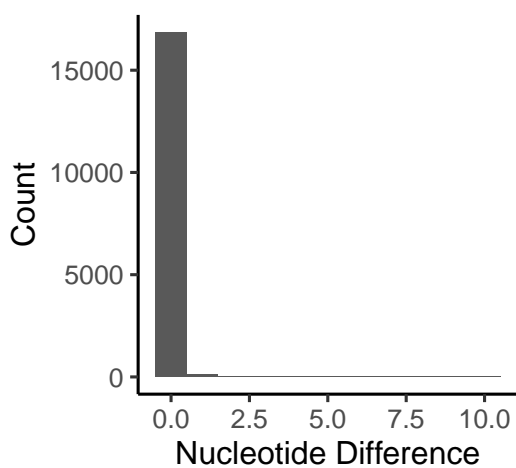
### TRBV16\*ap01

193 sequences assigned  
193 (100%) exact matches, in which:  
192 unique CDR3  
13 unique J



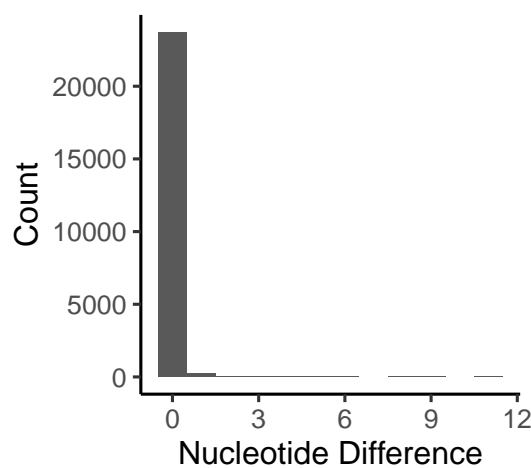
### TRBV19\*ap01

17010 sequences assigned  
16862 (99.1%) exact matches, in which:  
16716 unique CDR3  
13 unique J



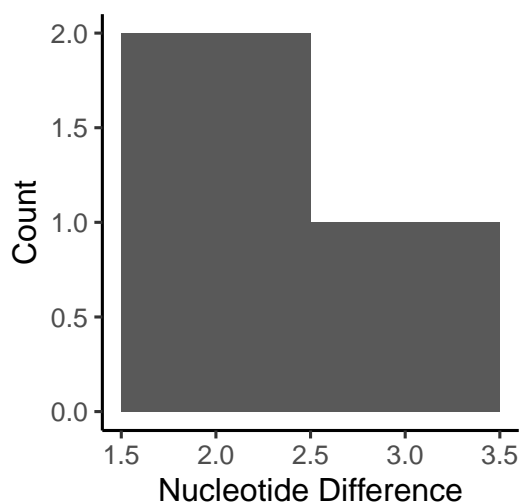
### TRBV27\*ap01

24016 sequences assigned  
23722 (98.8%) exact matches, in which:  
23211 unique CDR3  
13 unique J



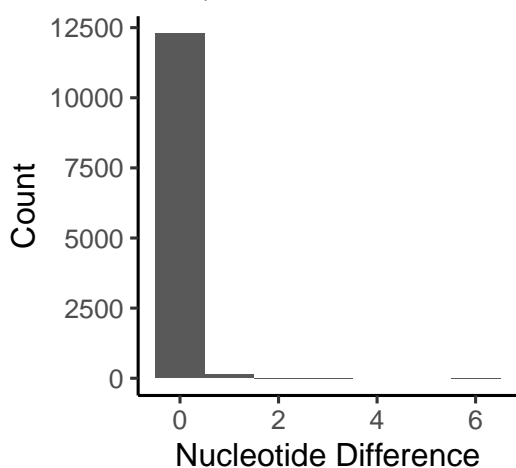
### TRBV17\*ap01

3 sequences assigned  
No exact matches.



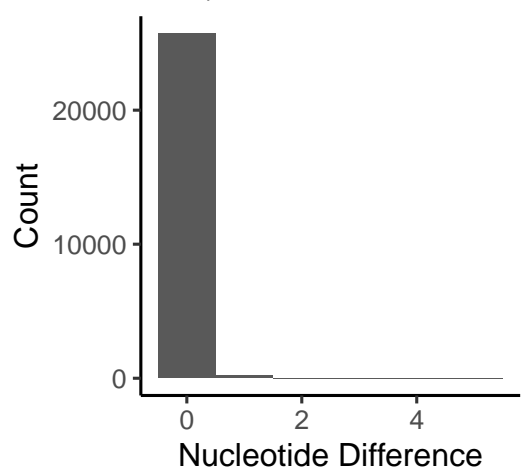
### TRBV2\*ap01

12441 sequences assigned  
12292 (98.8%) exact matches, in which:  
11997 unique CDR3  
13 unique J



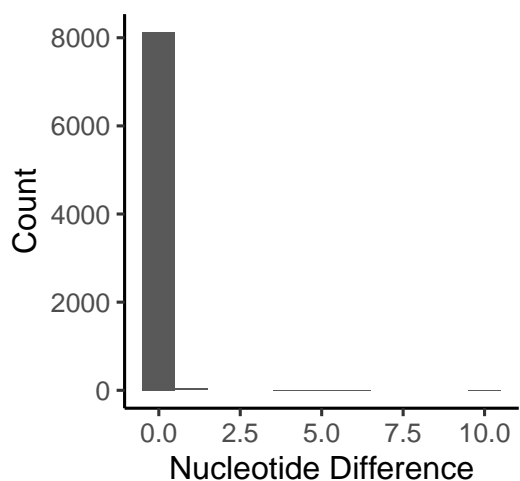
### TRBV28\*ap01

25922 sequences assigned  
25721 (99.2%) exact matches, in which:  
25351 unique CDR3  
13 unique J



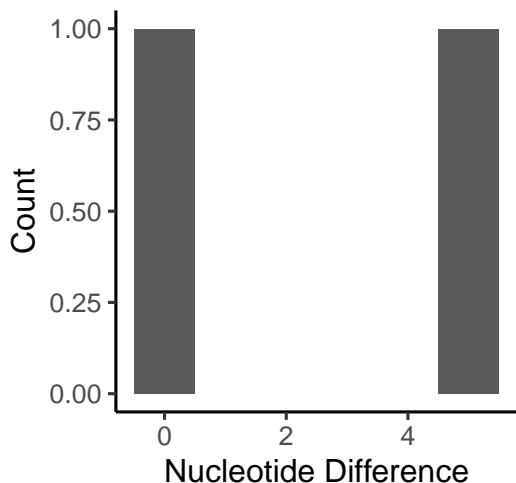
### TRBV18\*ap01

8173 sequences assigned  
8129 (99.5%) exact matches, in which:  
8065 unique CDR3  
13 unique J



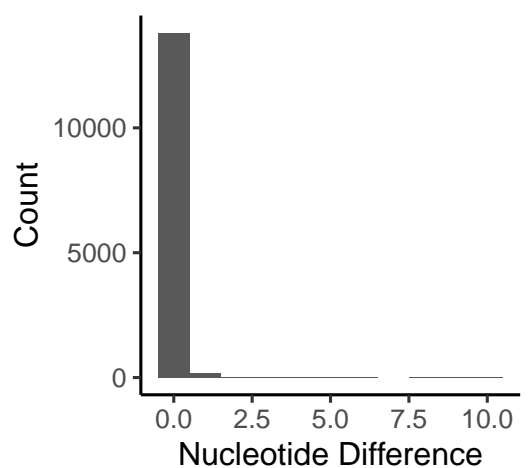
### TRBV26\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



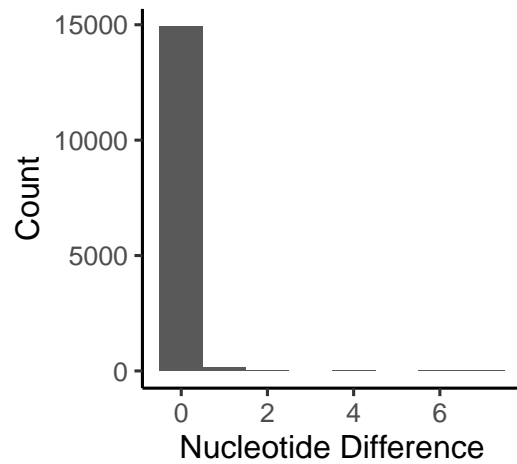
### TRBV30\*ap01

14031 sequences assigned  
13807 (98.4%) exact matches, in which:  
13554 unique CDR3  
13 unique J



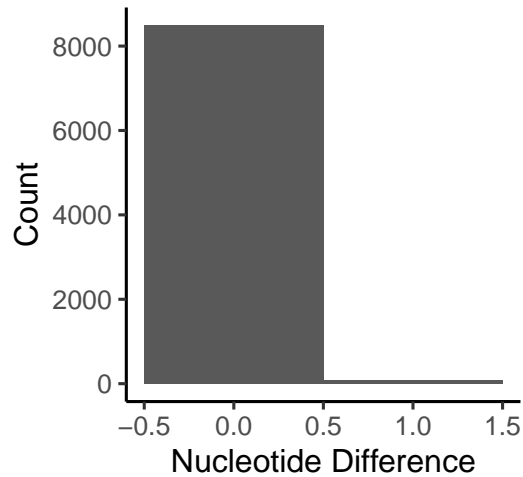
### TRBV9\*ap01

15082 sequences assigned  
14939 (99.1%) exact matches, in which:  
14697 unique CDR3  
13 unique J



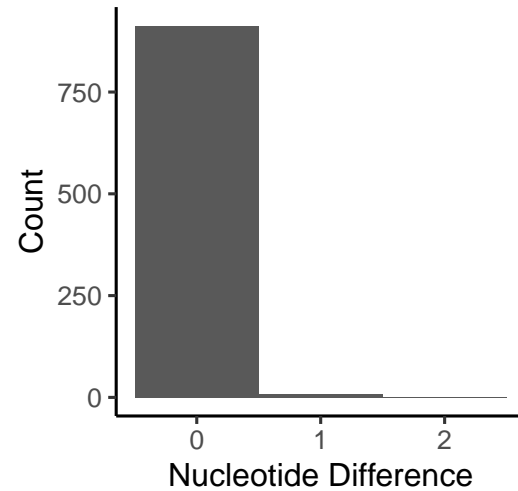
### TRBV11-2\*ap01

8577 sequences assigned  
8490 (99%) exact matches, in which:  
8319 unique CDR3  
13 unique J



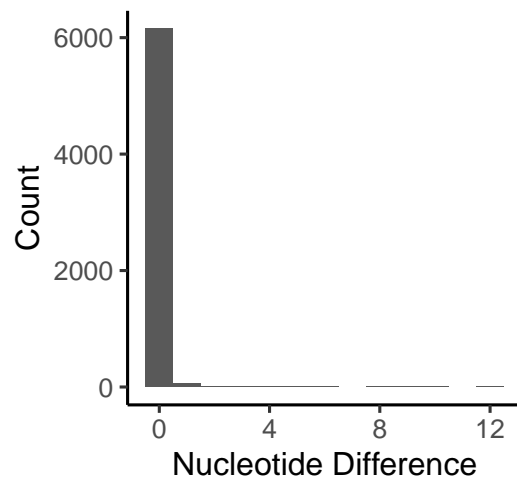
### TRBV12-2\*ap01

922 sequences assigned  
913 (99%) exact matches, in which:  
898 unique CDR3  
13 unique J



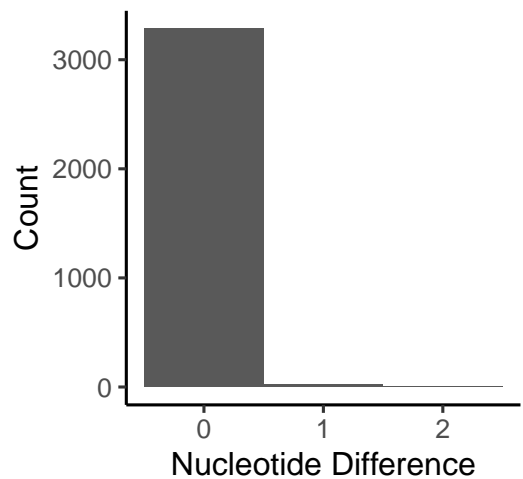
### TRBV21-1\*ap01

6249 sequences assigned  
6153 (98.5%) exact matches, in which:  
6082 unique CDR3  
13 unique J



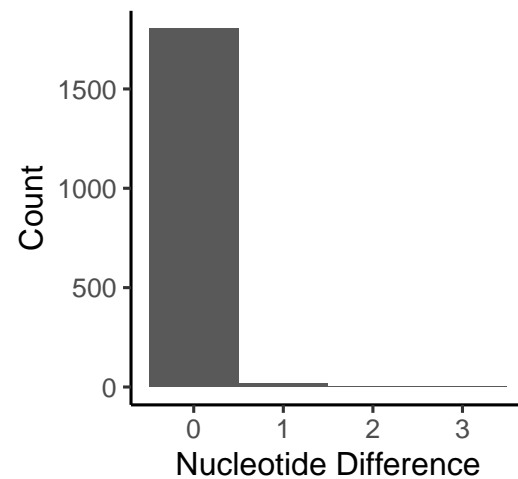
### TRBV11-3\*ap01

3310 sequences assigned  
3284 (99.2%) exact matches, in which:  
3228 unique CDR3  
13 unique J



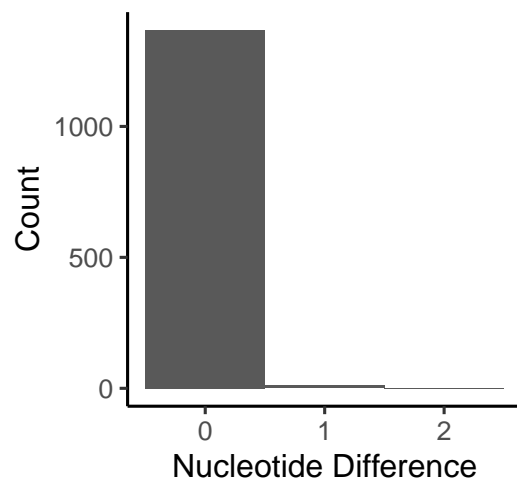
### TRBV12-5\*ap01

1823 sequences assigned  
1803 (98.9%) exact matches, in which:  
1777 unique CDR3  
13 unique J



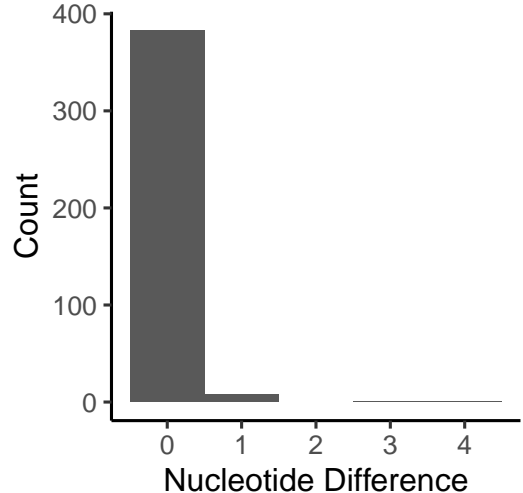
### TRBV11-1\*ap01

1380 sequences assigned  
1368 (99.1%) exact matches, in which:  
1341 unique CDR3  
13 unique J



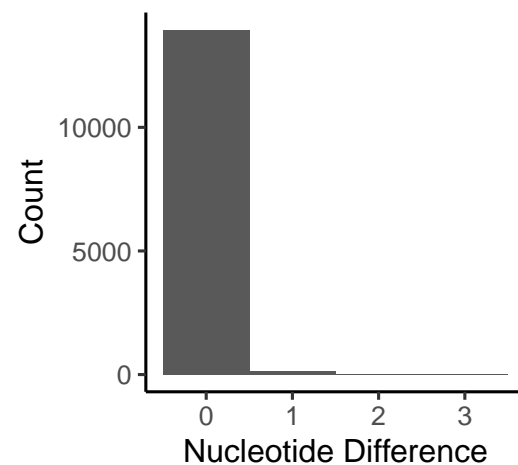
### TRBV12-1\*ap01

393 sequences assigned  
383 (97.5%) exact matches, in which:  
374 unique CDR3  
13 unique J



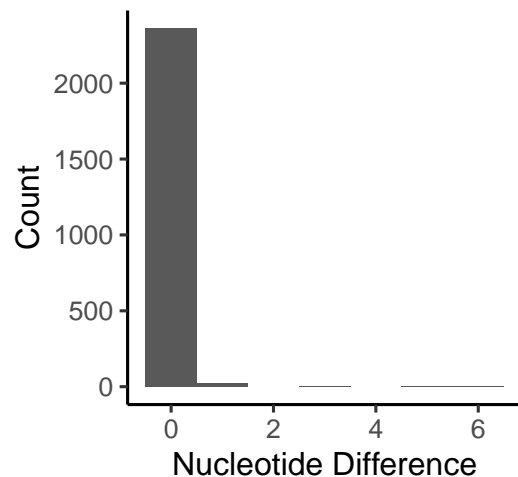
### TRBV12-34\*ap01

14081 sequences assigned  
13946 (99%) exact matches, in which:  
13695 unique CDR3  
13 unique J



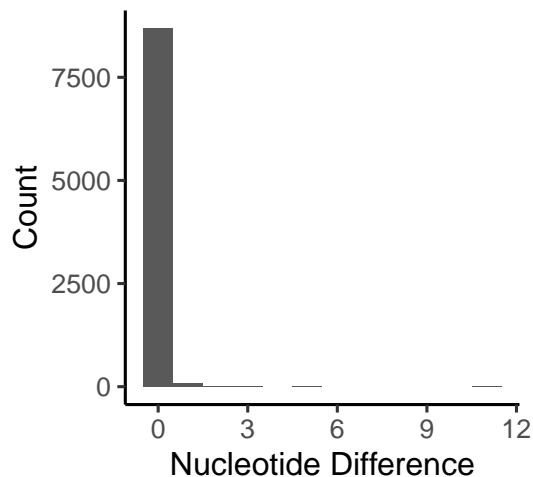
### TRBV23-1\*ap01

2390 sequences assigned  
2361 (98.8%) exact matches, in which:  
2330 unique CDR3  
13 unique J



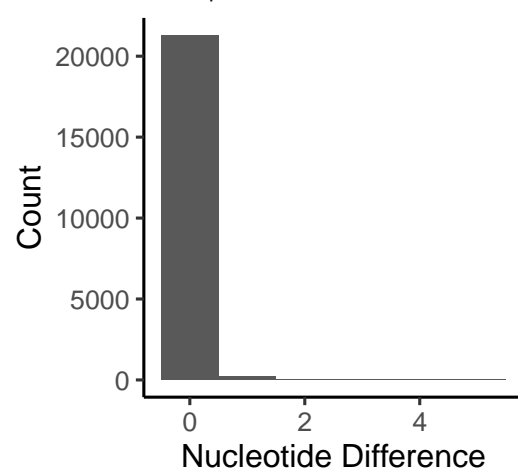
### TRBV4-1\*ap01

8766 sequences assigned  
8686 (99.1%) exact matches, in which:  
8476 unique CDR3  
13 unique J



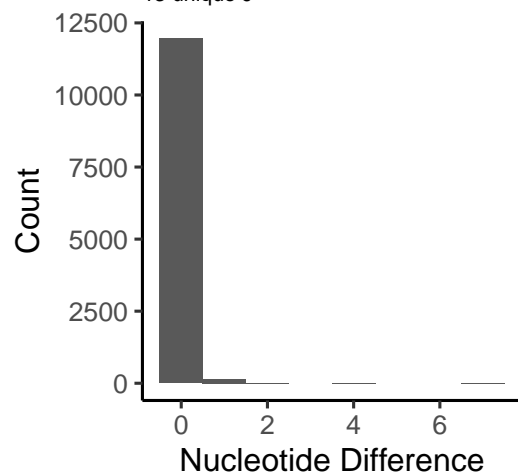
### TRBV5-1\*ap01

21545 sequences assigned  
21301 (98.9%) exact matches, in which:  
20797 unique CDR3  
13 unique J



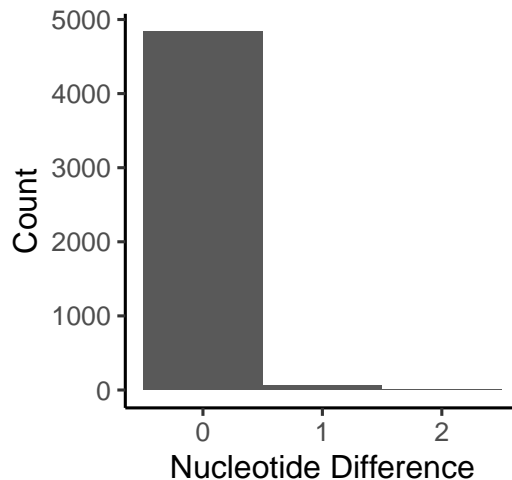
### TRBV3-12\*ap01

12116 sequences assigned  
11960 (98.7%) exact matches, in which:  
11713 unique CDR3  
13 unique J



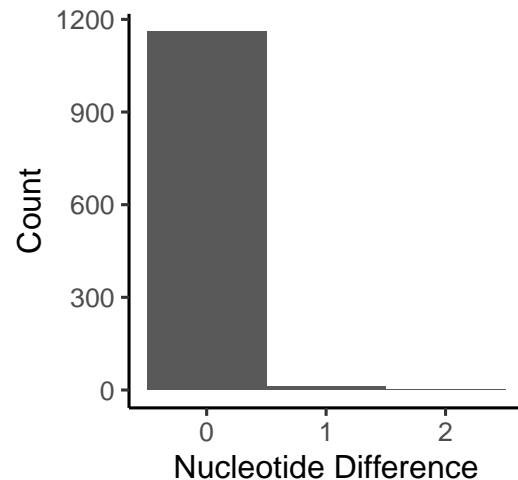
### TRBV4-2\*ap01

4900 sequences assigned  
4835 (98.7%) exact matches, in which:  
4735 unique CDR3  
13 unique J



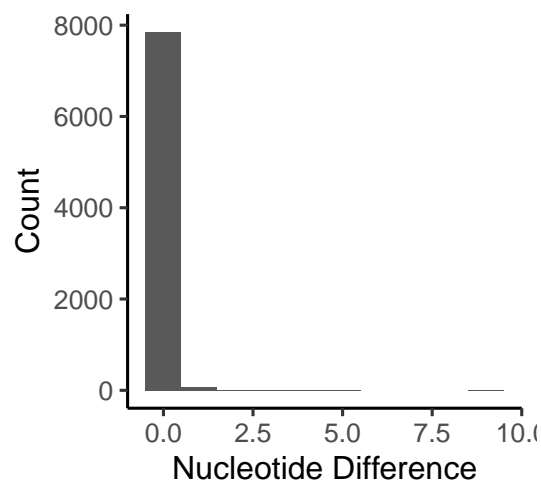
### TRBV5-3\*ap01

1172 sequences assigned  
1160 (99%) exact matches, in which:  
1143 unique CDR3  
13 unique J



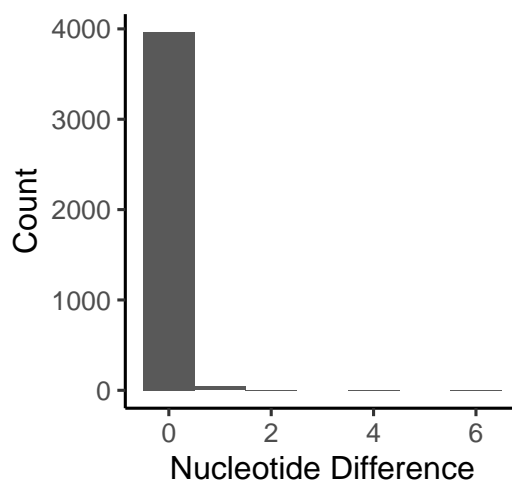
### TRBV24-1\*ap01

7936 sequences assigned  
7849 (98.9%) exact matches, in which:  
7684 unique CDR3  
13 unique J



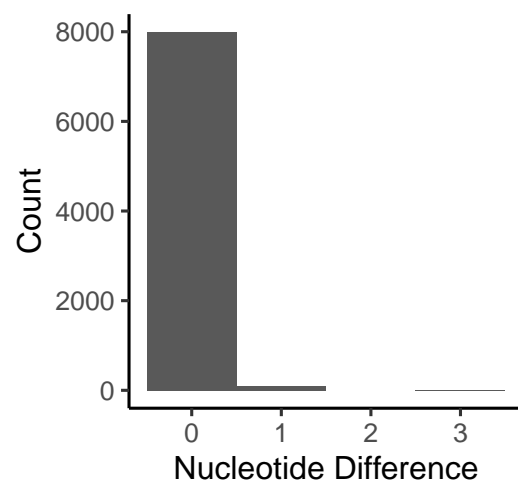
### TRBV25-1\*ap01

4013 sequences assigned  
3965 (98.8%) exact matches, in which:  
3878 unique CDR3  
13 unique J



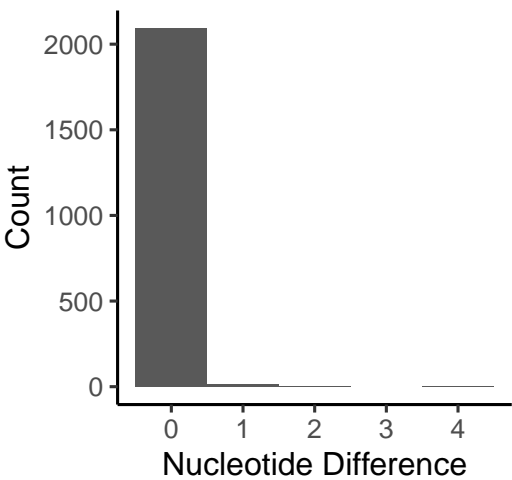
### TRBV5-4\*ap01

8092 sequences assigned  
7993 (98.8%) exact matches, in which:  
7819 unique CDR3  
13 unique J



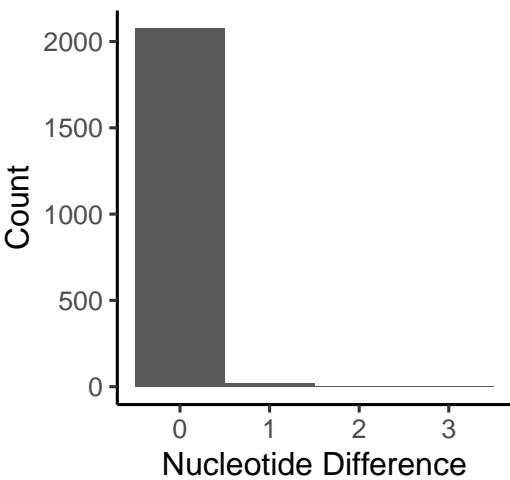
TRBV5-5\*ap01

2110 sequences assigned  
2092 (99.1%) exact matches, in which:  
2080 unique CDR3  
13 unique J



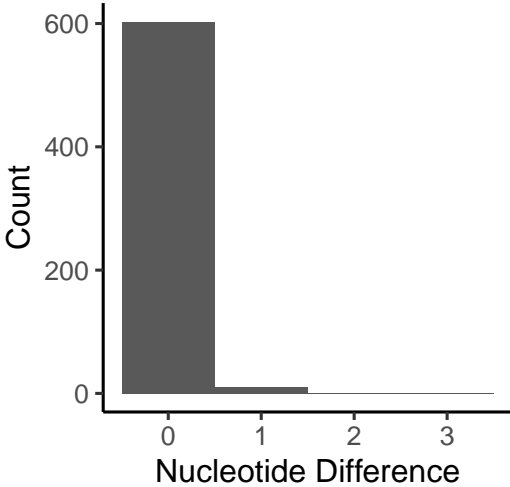
TRBV5-8\*ap01

2100 sequences assigned  
2076 (98.9%) exact matches, in which:  
2052 unique CDR3  
13 unique J



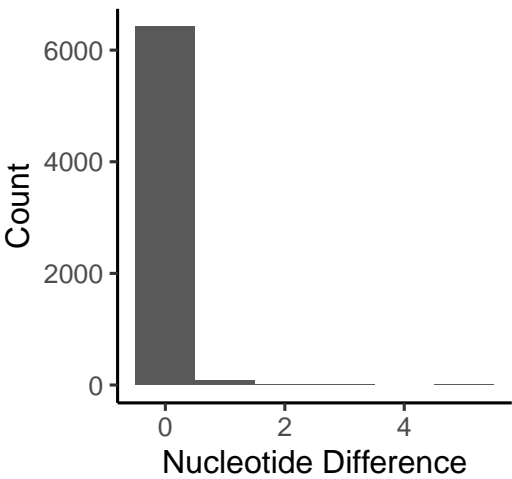
TRBV6-7\*ap01

616 sequences assigned  
603 (97.9%) exact matches, in which:  
588 unique CDR3  
13 unique J



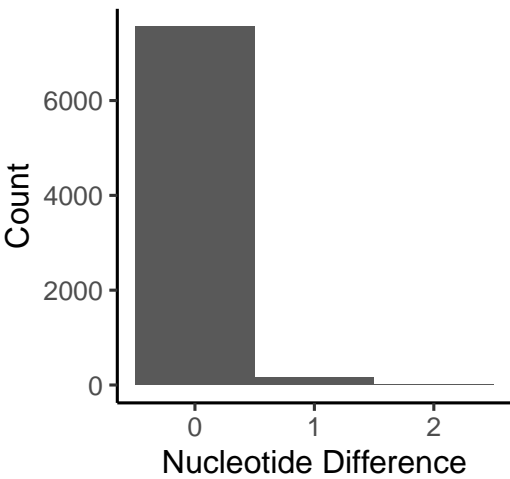
TRBV5-6\*ap01

6500 sequences assigned  
6419 (98.8%) exact matches, in which:  
6224 unique CDR3  
13 unique J



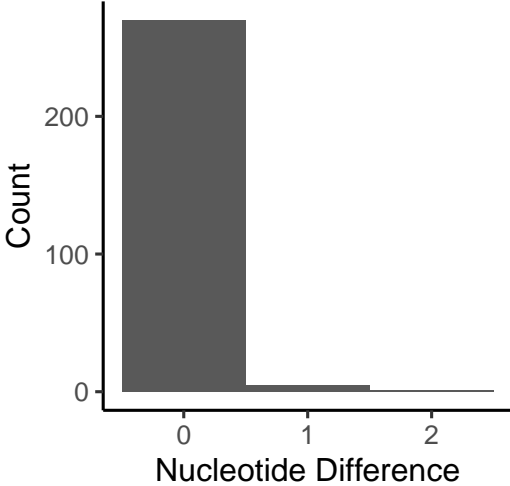
TRBV6-1\*ap01

7725 sequences assigned  
7557 (97.8%) exact matches, in which:  
7402 unique CDR3  
13 unique J



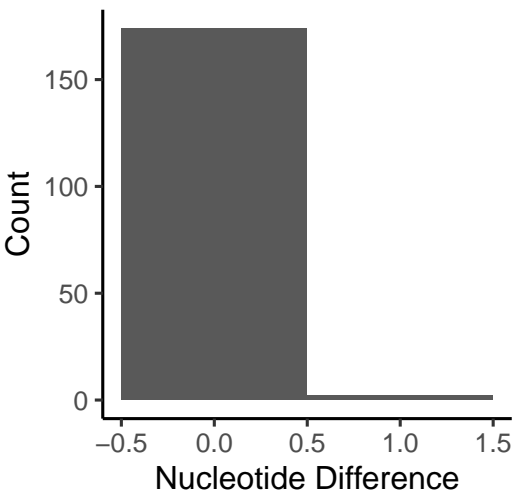
TRBV6-8\*ap01

276 sequences assigned  
270 (97.8%) exact matches, in which:  
263 unique CDR3  
13 unique J



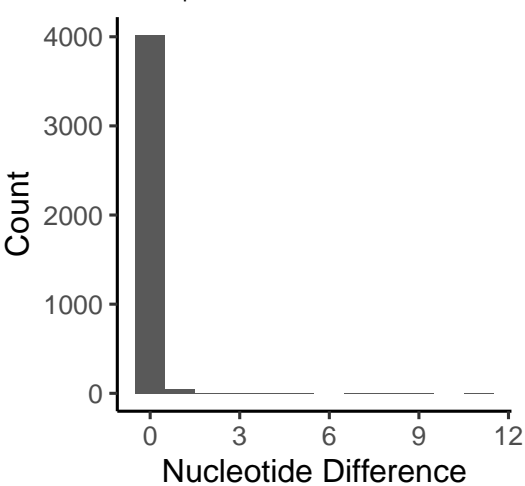
TRBV5-7\*ap01

176 sequences assigned  
174 (98.9%) exact matches, in which:  
170 unique CDR3  
13 unique J



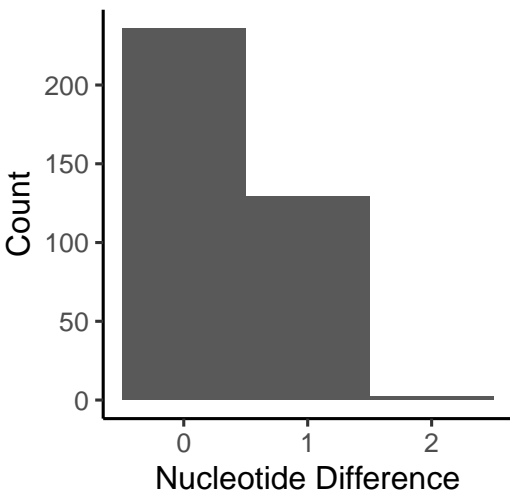
TRBV6-4\*ap01

4082 sequences assigned  
4019 (98.5%) exact matches, in which:  
3959 unique CDR3  
13 unique J



TRBV6-9\*ap01

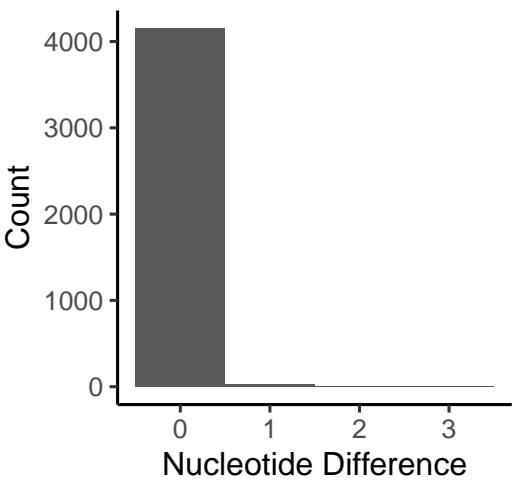
367 sequences assigned  
236 (64.3%) exact matches, in which:  
228 unique CDR3  
13 unique J





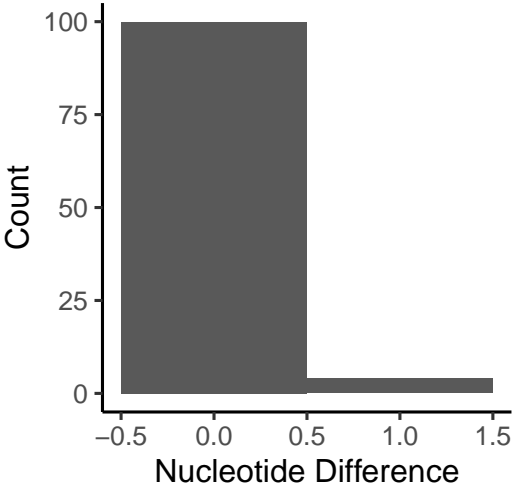
TRBV6-23\*ap01

4192 sequences assigned  
4152 (99%) exact matches, in which:  
4021 unique CDR3  
13 unique J



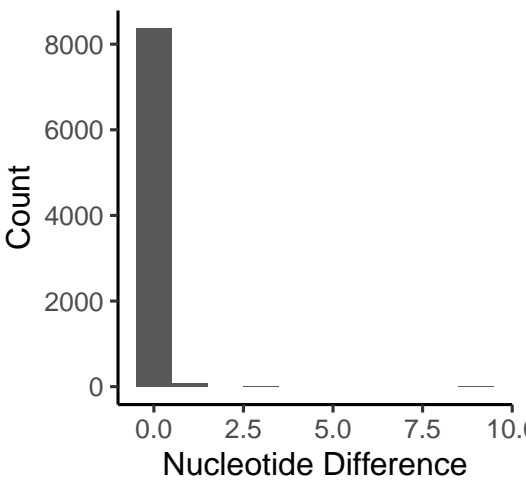
TRBV7-1\*ap01\_G291C\_

104 sequences assigned  
100 (96.2%) exact matches, in which:  
99 unique CDR3  
11 unique J



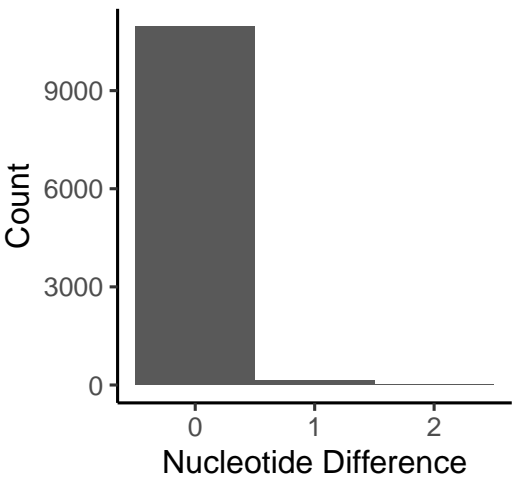
TRBV7-3\*ap01

8446 sequences assigned  
8368 (99.1%) exact matches, in which:  
8272 unique CDR3  
13 unique J



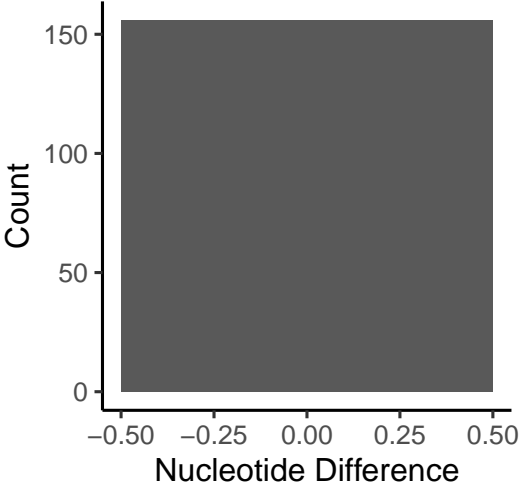
TRBV6-56\*ap01

11091 sequences assigned  
10953 (98.8%) exact matches, in which:  
10659 unique CDR3  
13 unique J



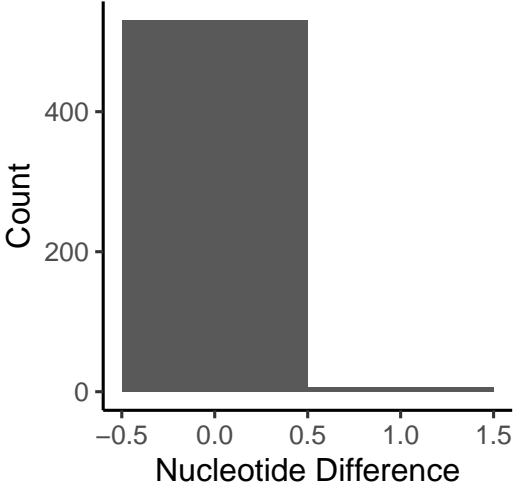
TRBV7-1\*ap01\_G291C\_

156 sequences assigned  
156 (100%) exact matches, in which:  
155 unique CDR3  
13 unique J



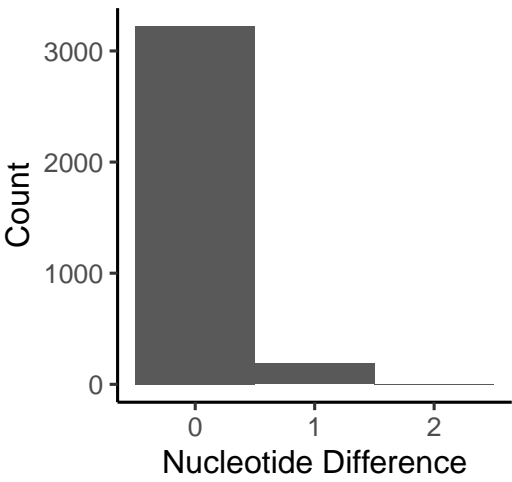
TRBV7-4\*ap01

537 sequences assigned  
531 (98.9%) exact matches, in which:  
526 unique CDR3  
13 unique J



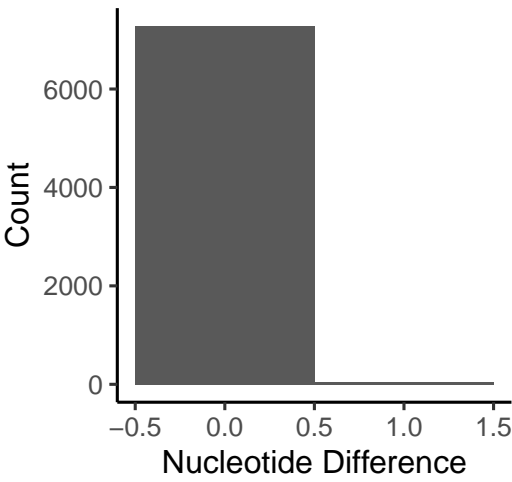
TRBV6-56\*ap02

3413 sequences assigned  
3224 (94.5%) exact matches, in which:  
3158 unique CDR3  
13 unique J



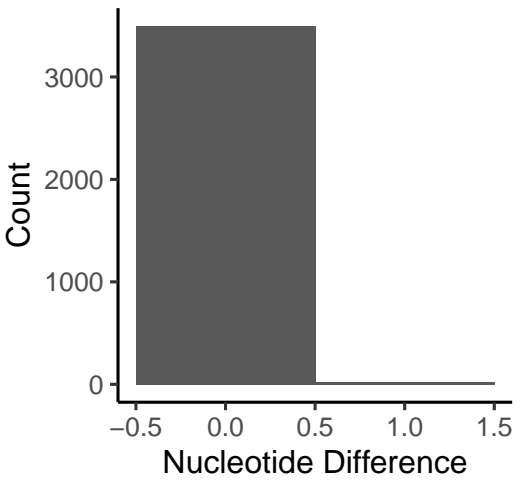
TRBV7-2\*ap01

7327 sequences assigned  
7279 (99.3%) exact matches, in which:  
7157 unique CDR3  
13 unique J



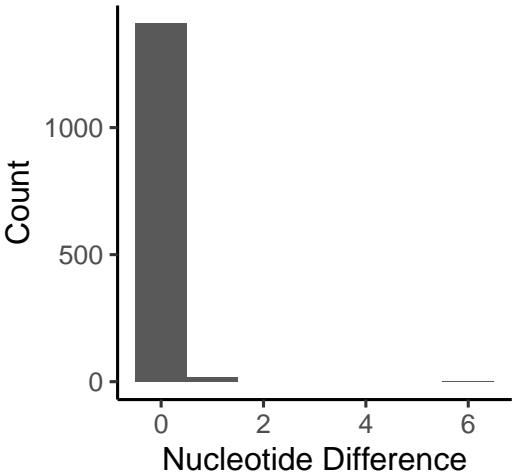
TRBV7-6\*ap01

3519 sequences assigned  
3497 (99.4%) exact matches, in which:  
3422 unique CDR3  
13 unique J



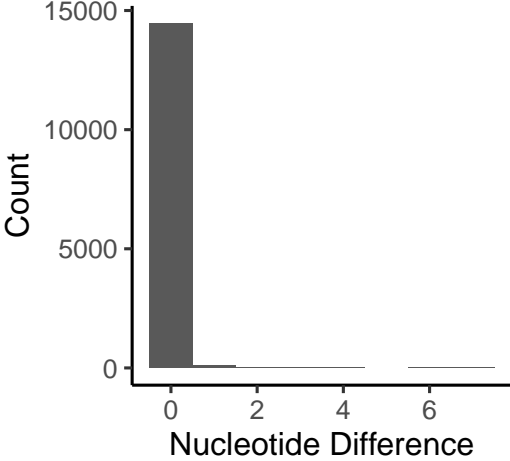
TRBV7-7\*ap01

1428 sequences assigned  
1410 (98.7%) exact matches, in which:  
1393 unique CDR3  
13 unique J



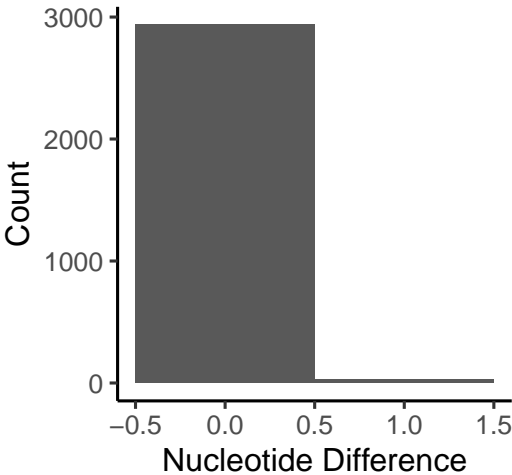
TRBV7-9\*ap01

14574 sequences assigned  
14470 (99.3%) exact matches, in which:  
14275 unique CDR3  
14 unique J



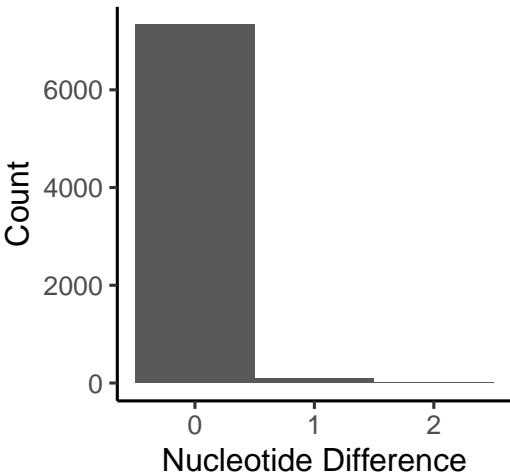
TRBV7-8\*ap01

2963 sequences assigned  
2937 (99.1%) exact matches, in which:  
2870 unique CDR3  
13 unique J



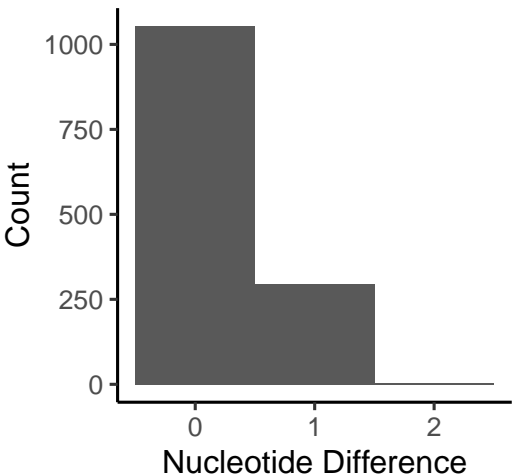
TRBV29-1\*ap01

7433 sequences assigned  
7332 (98.6%) exact matches, in which:  
7170 unique CDR3  
13 unique J



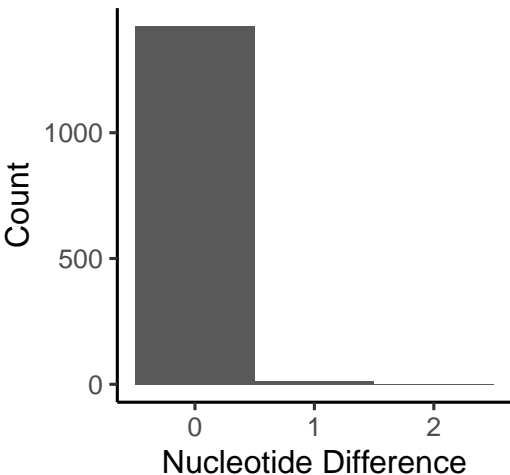
TRBV7-8\*ap03

1353 sequences assigned  
1054 (77.9%) exact matches, in which:  
1031 unique CDR3  
13 unique J

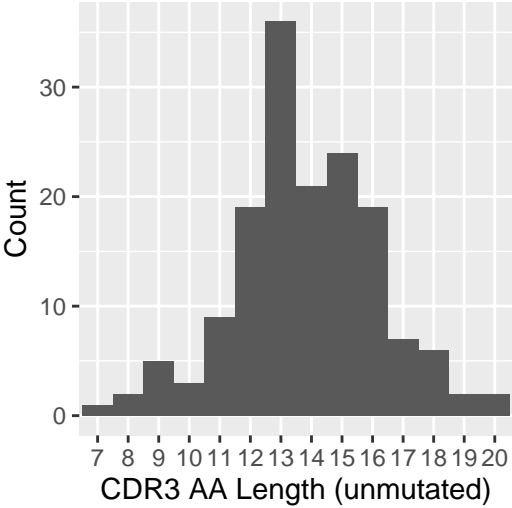


TRBV29-1\*ap02

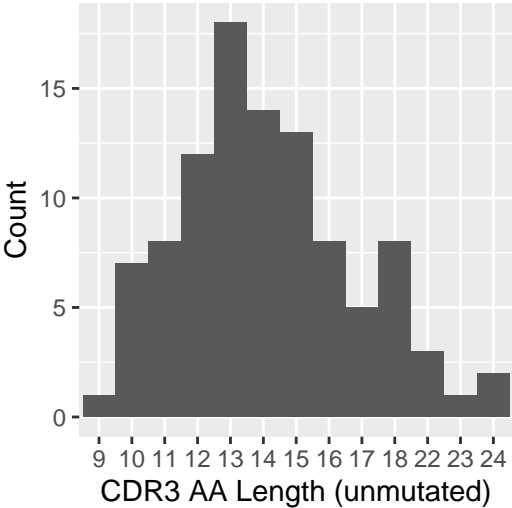
1439 sequences assigned  
1424 (99%) exact matches, in which:  
1393 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C





[illegible]