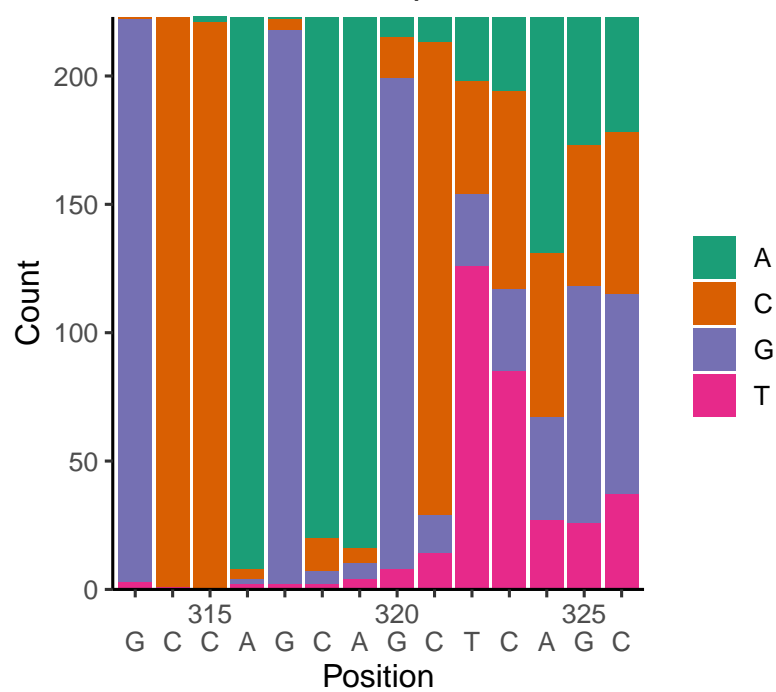
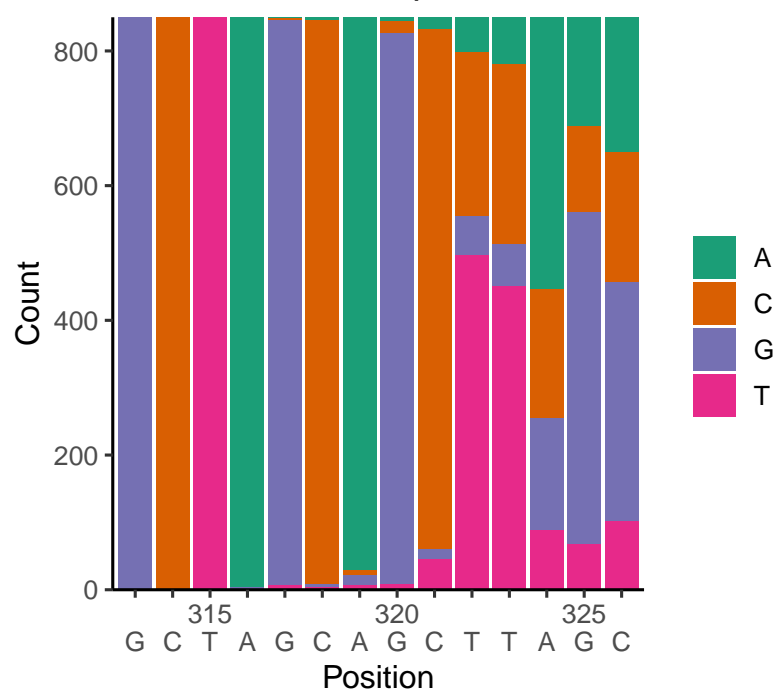


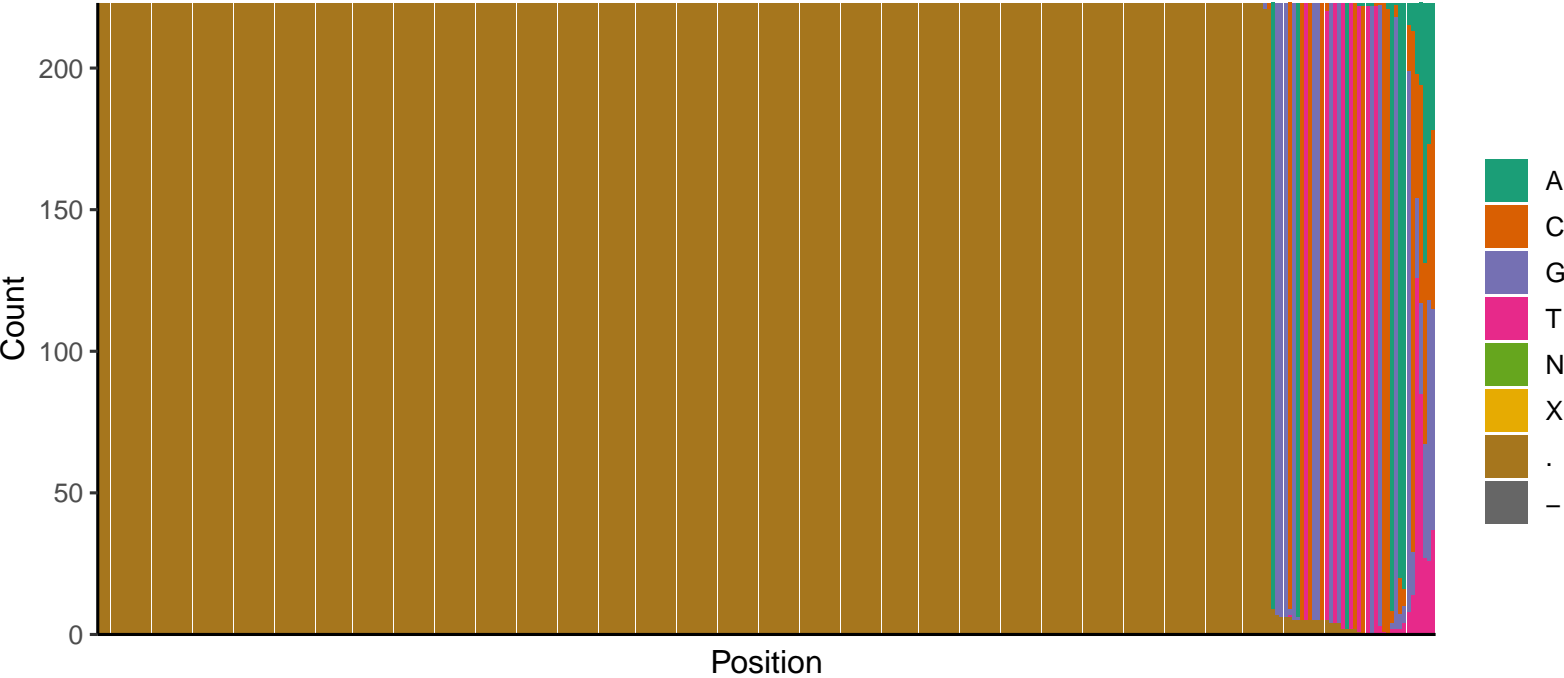
Gene TRBV7-1\*ap01\_G291C\_T296C



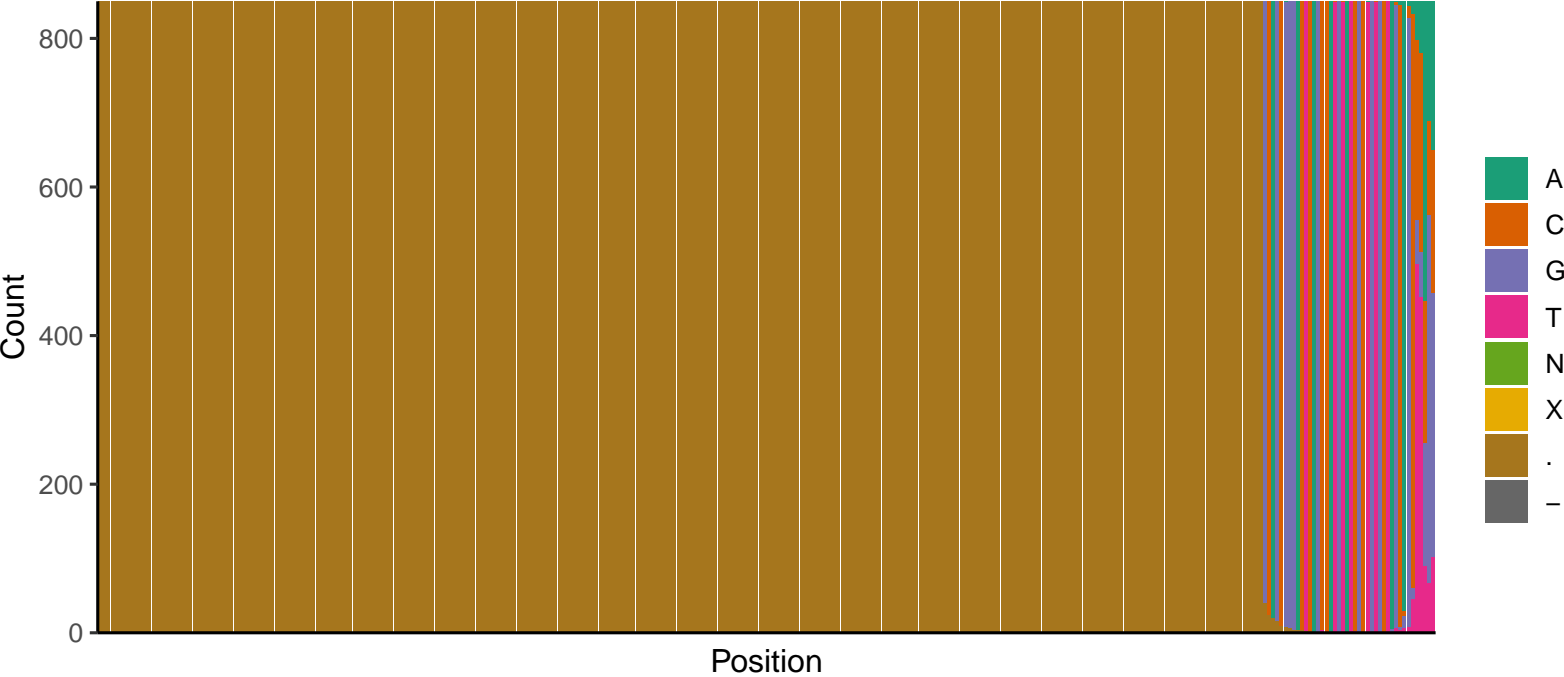
Gene TRBV7-7\*ap01\_C315T



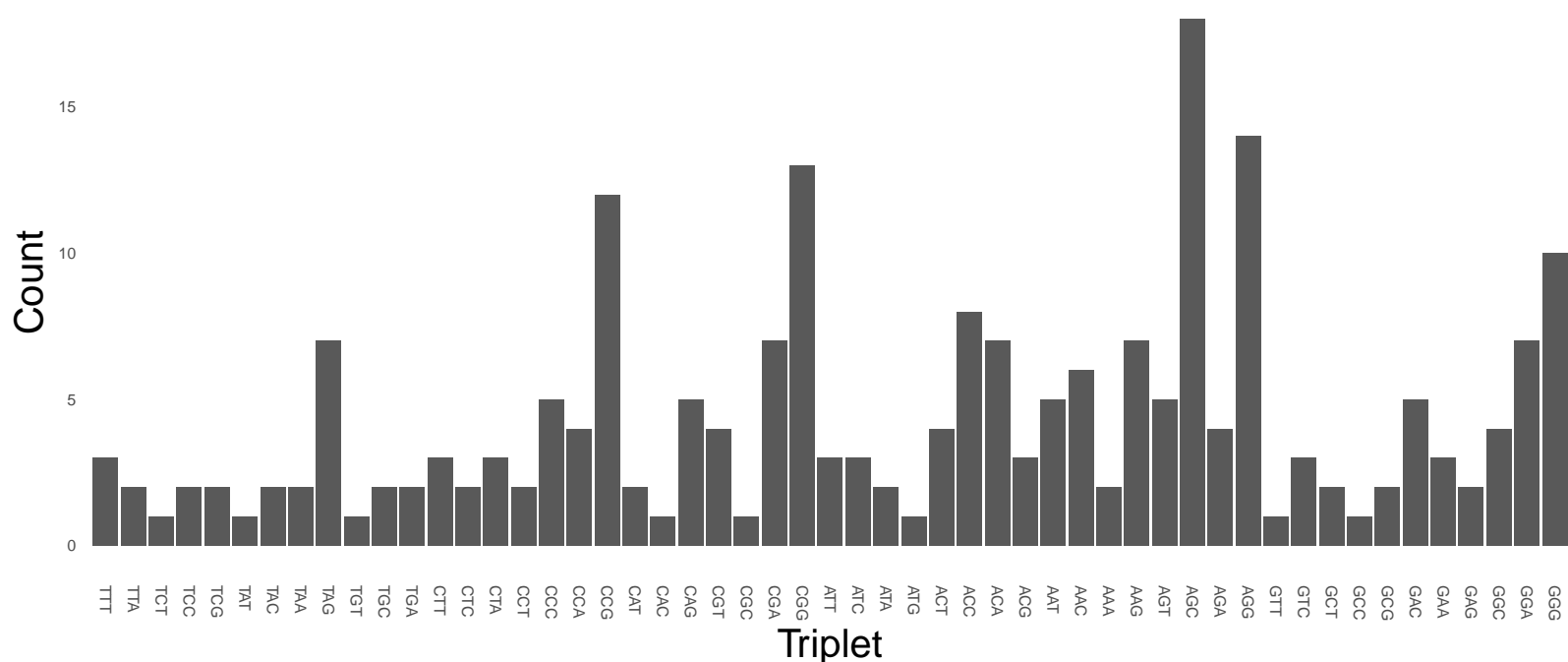
Gene TRBV7-1\*ap01\_G291C\_T296C



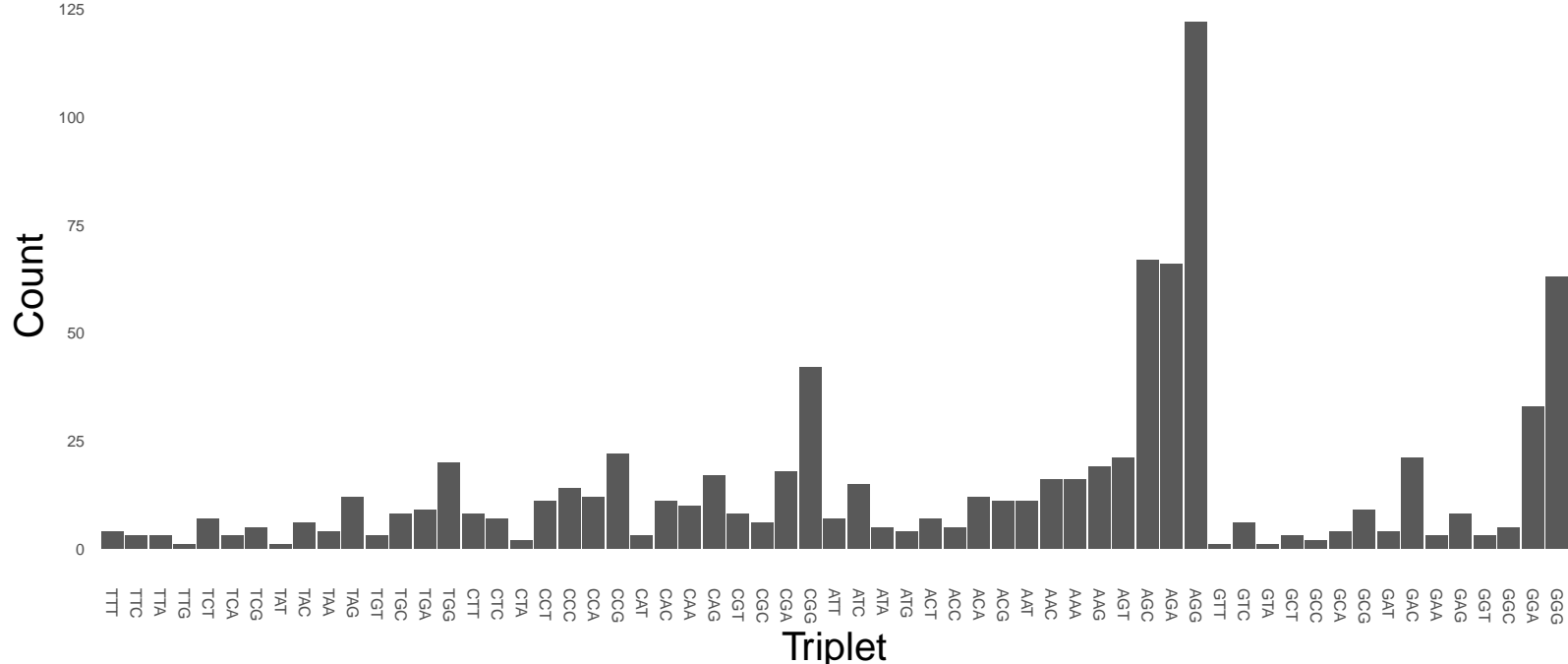
Gene TRBV7-7\*ap01\_C315T



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

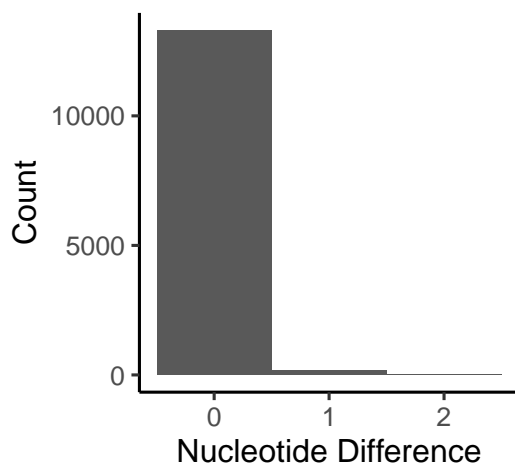


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



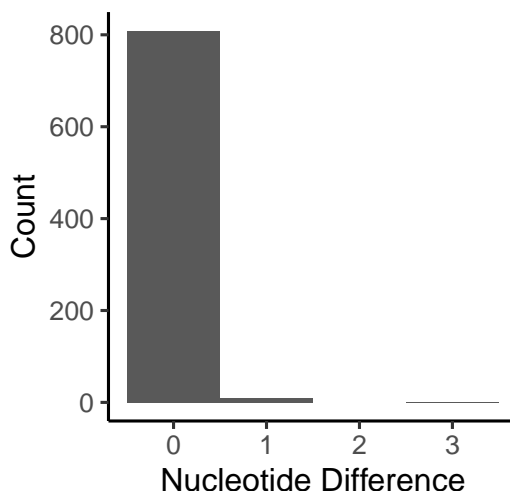
### TRBV20-1\*ap01

13487 sequences assigned  
13309 (98.7%) exact matches, in which:  
13011 unique CDR3  
14 unique J



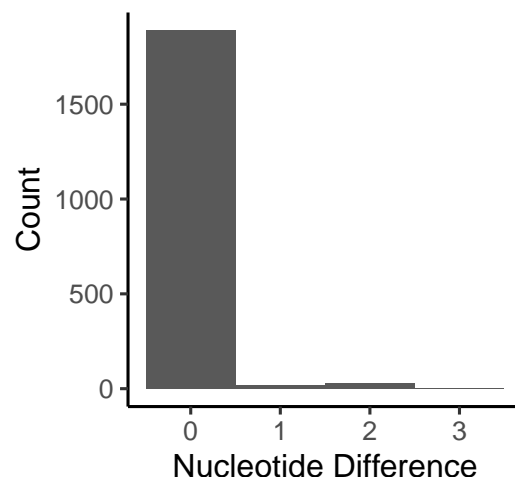
### TRBV10-2\*ap01

819 sequences assigned  
809 (98.8%) exact matches, in which:  
779 unique CDR3  
13 unique J



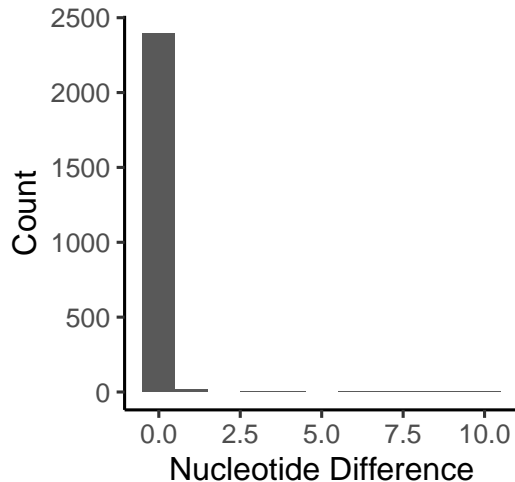
### TRBV13\*ap01

1942 sequences assigned  
1889 (97.3%) exact matches, in which:  
1840 unique CDR3  
13 unique J



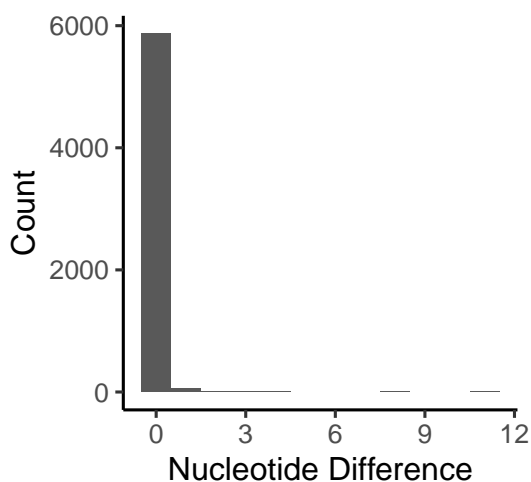
### TRBV10-1\*ap01

2416 sequences assigned  
2393 (99%) exact matches, in which:  
2317 unique CDR3  
13 unique J



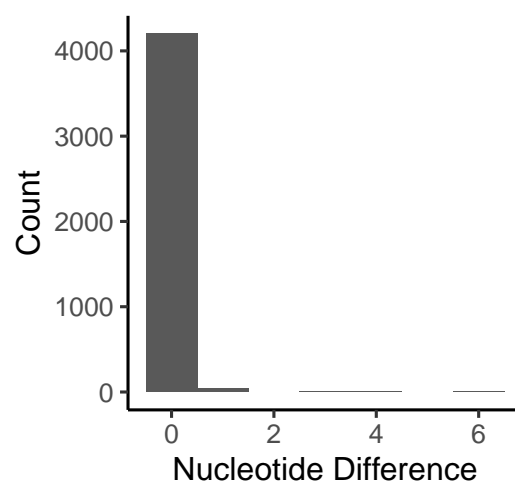
### TRBV10-3\*ap01

5935 sequences assigned  
5868 (98.9%) exact matches, in which:  
5726 unique CDR3  
13 unique J



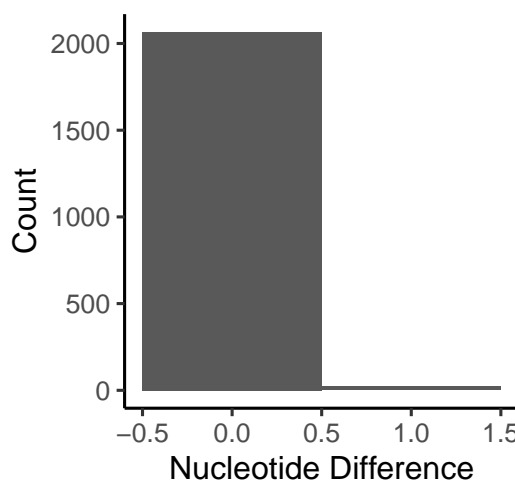
### TRBV14\*ap01

4242 sequences assigned  
4201 (99%) exact matches, in which:  
4095 unique CDR3  
13 unique J



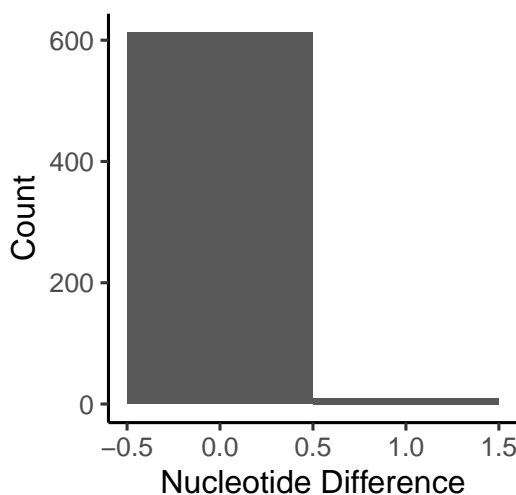
### TRBV20-1\*ap02

2087 sequences assigned  
2066 (99%) exact matches, in which:  
2024 unique CDR3  
13 unique J



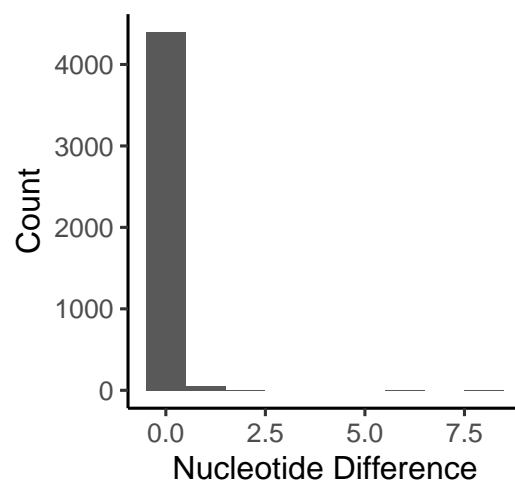
### TRBV1\*ap01

623 sequences assigned  
613 (98.4%) exact matches, in which:  
592 unique CDR3  
13 unique J



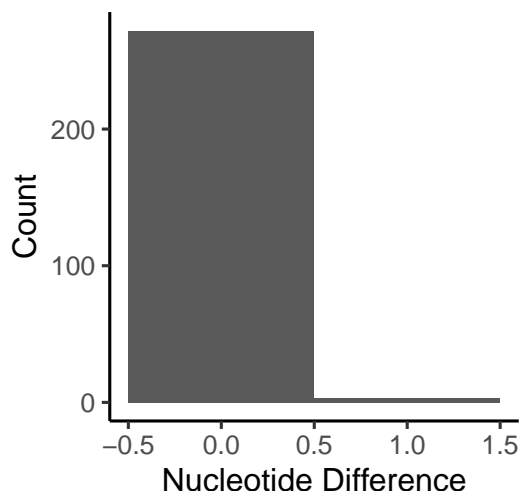
### TRBV15\*ap02

4453 sequences assigned  
4398 (98.8%) exact matches, in which:  
4255 unique CDR3  
13 unique J



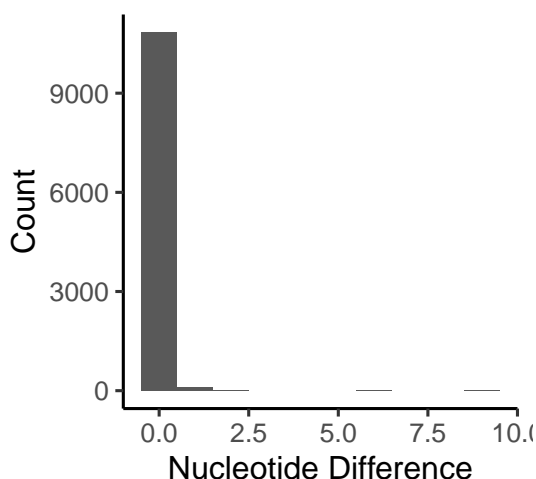
### TRBV16\*ap01

275 sequences assigned  
272 (98.9%) exact matches, in which:  
265 unique CDR3  
13 unique J



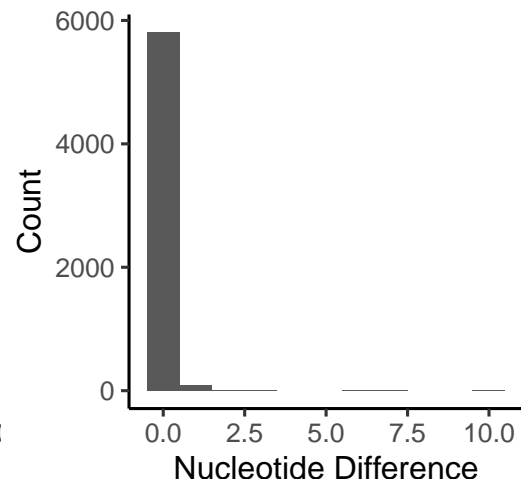
### TRBV2\*ap01

10950 sequences assigned  
10839 (99%) exact matches, in which:  
10591 unique CDR3  
13 unique J



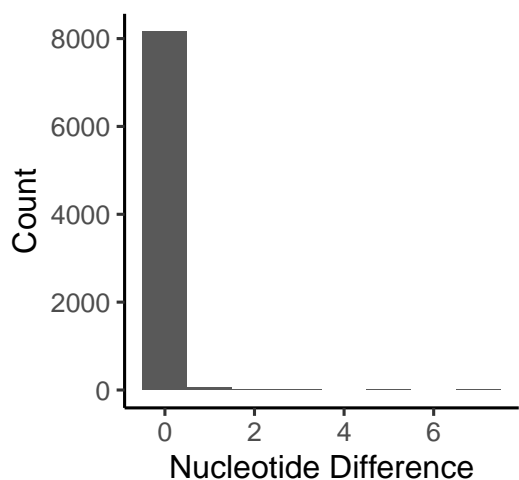
### TRBV30\*ap01

5898 sequences assigned  
5806 (98.4%) exact matches, in which:  
5686 unique CDR3  
13 unique J



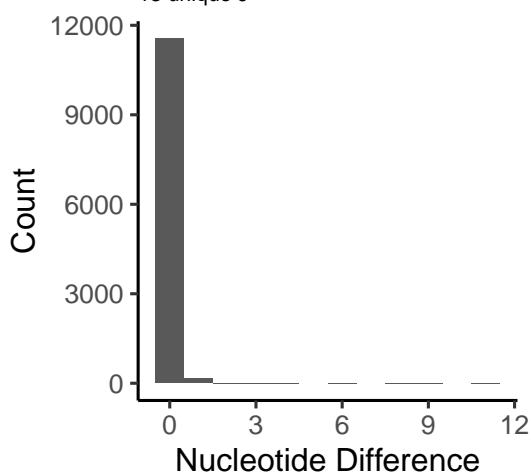
### TRBV18\*ap01

8215 sequences assigned  
8156 (99.3%) exact matches, in which:  
7989 unique CDR3  
13 unique J



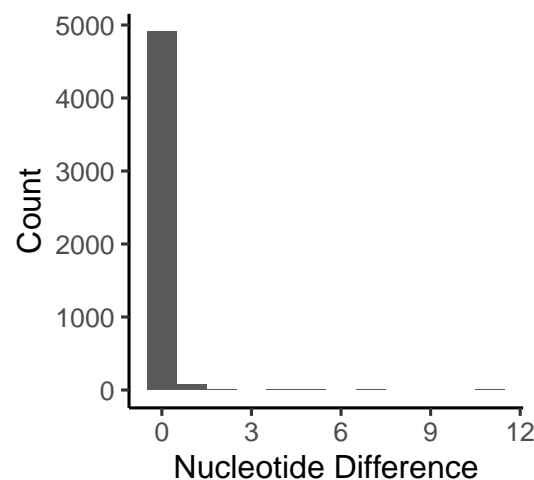
### TRBV27\*ap01

11731 sequences assigned  
11559 (98.5%) exact matches, in which:  
11196 unique CDR3  
13 unique J



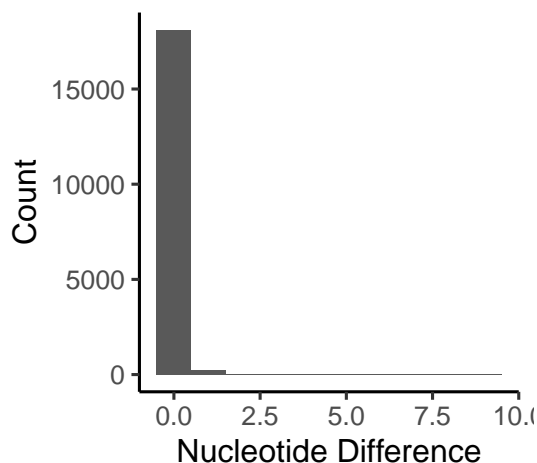
### TRBV30\*ap02

4996 sequences assigned  
4908 (98.2%) exact matches, in which:  
4782 unique CDR3  
13 unique J



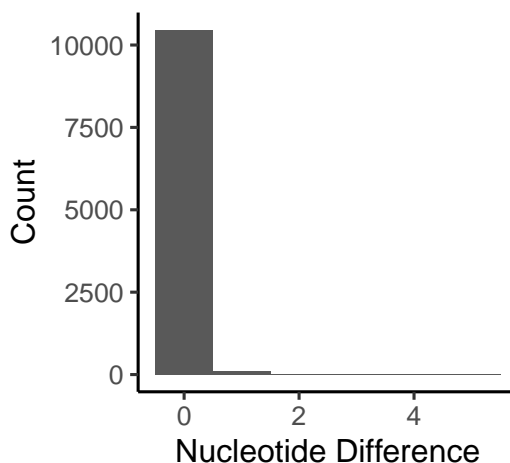
### TRBV19\*ap01

18357 sequences assigned  
18112 (98.7%) exact matches, in which:  
17783 unique CDR3  
13 unique J



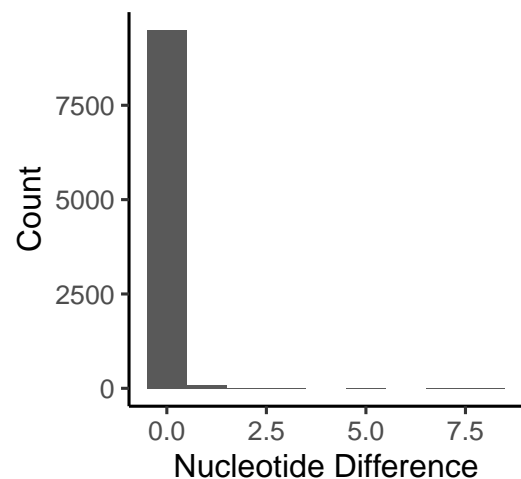
### TRBV28\*ap01

10581 sequences assigned  
10462 (98.9%) exact matches, in which:  
10268 unique CDR3  
13 unique J



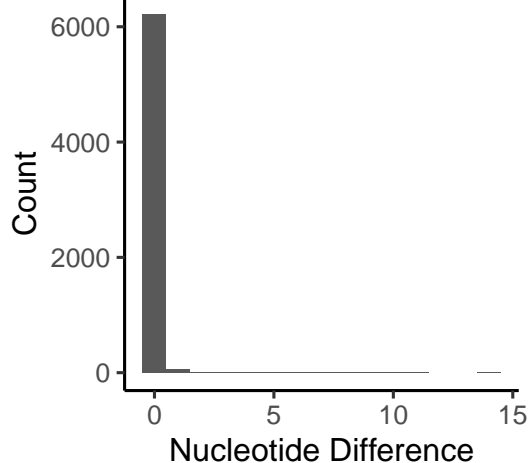
### TRBV9\*ap01

9597 sequences assigned  
9493 (98.9%) exact matches, in which:  
9286 unique CDR3  
13 unique J



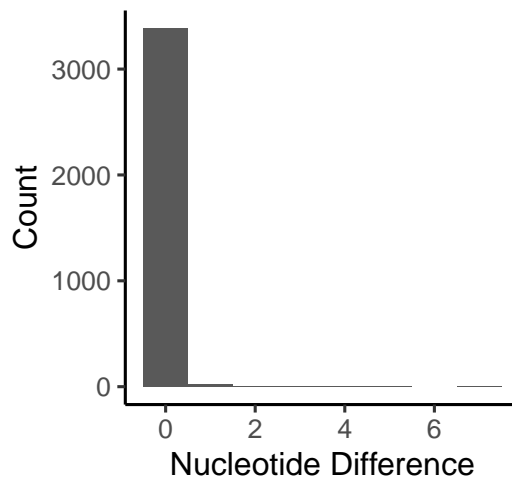
### TRBV21-1\*ap01

6316 sequences assigned  
6214 (98.4%) exact matches, in which:  
6087 unique CDR3  
13 unique J



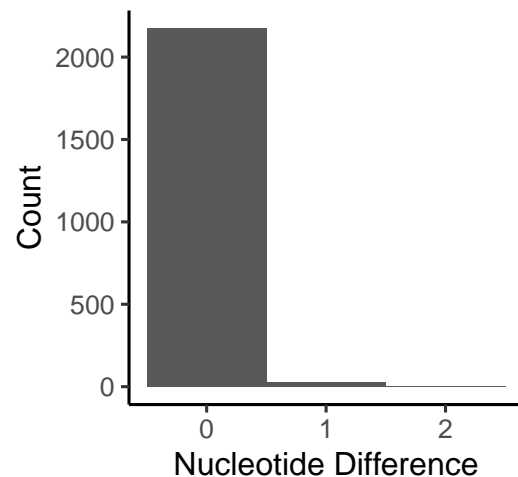
### TRBV11-3\*ap01

3418 sequences assigned  
3384 (99%) exact matches, in which:  
3330 unique CDR3  
13 unique J



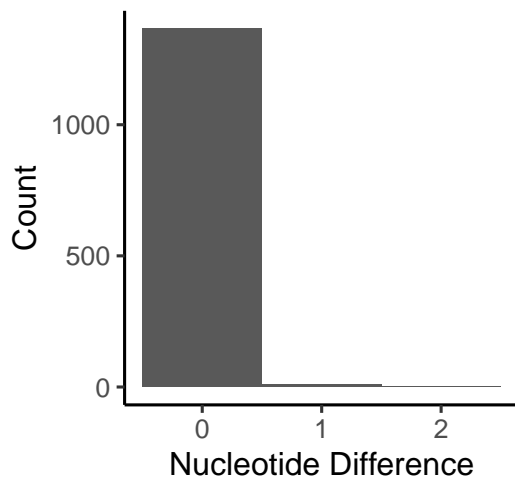
### TRBV12-5\*ap01

2203 sequences assigned  
2174 (98.7%) exact matches, in which:  
2116 unique CDR3  
13 unique J



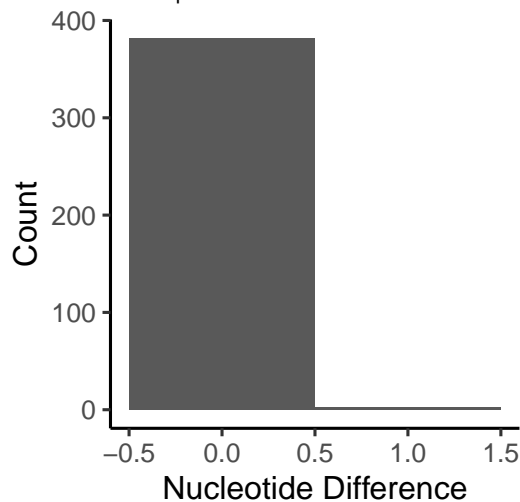
### TRBV11-1\*ap01

1376 sequences assigned  
1366 (99.3%) exact matches, in which:  
1346 unique CDR3  
13 unique J



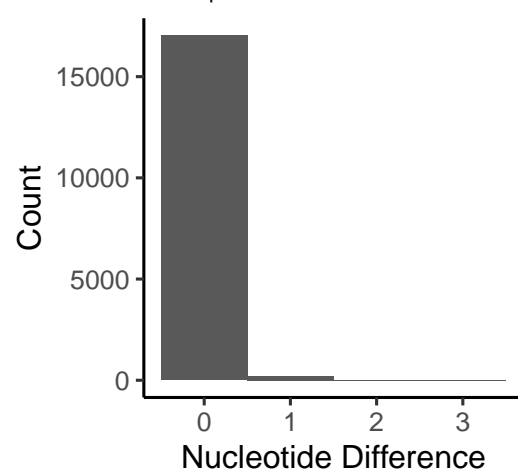
### TRBV12-1\*ap01

385 sequences assigned  
382 (99.2%) exact matches, in which:  
375 unique CDR3  
13 unique J



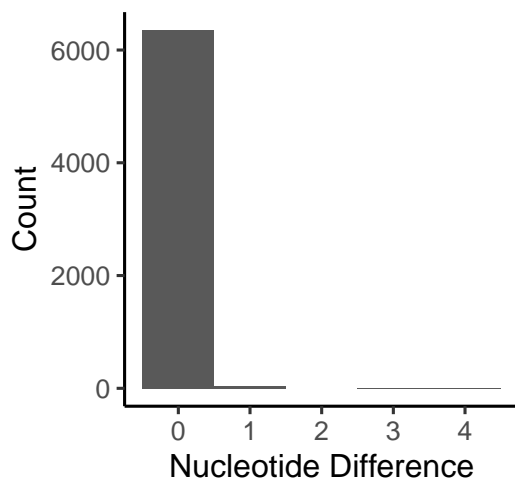
### TRBV12-34\*ap01

17254 sequences assigned  
17035 (98.7%) exact matches, in which:  
16623 unique CDR3  
13 unique J



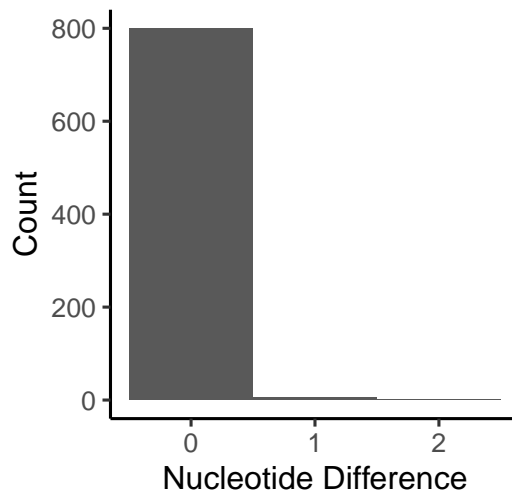
### TRBV11-2\*ap01

6396 sequences assigned  
6354 (99.3%) exact matches, in which:  
6287 unique CDR3  
13 unique J



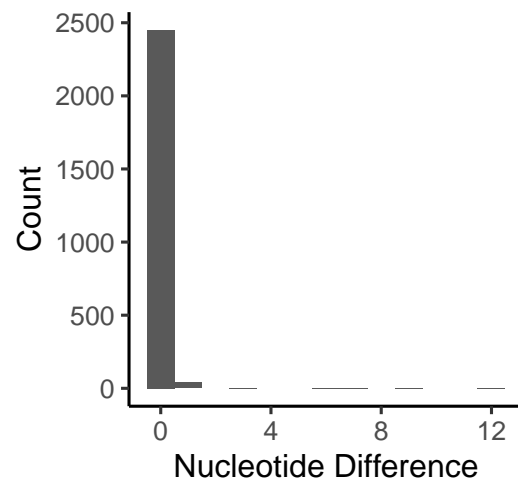
### TRBV12-2\*ap01

807 sequences assigned  
800 (99.1%) exact matches, in which:  
776 unique CDR3  
13 unique J



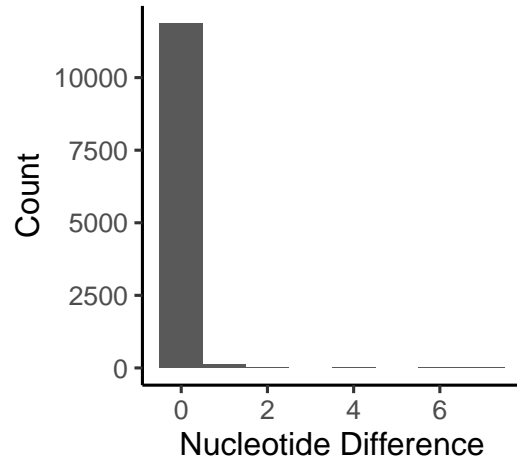
### TRBV23-1\*ap01

2497 sequences assigned  
2450 (98.1%) exact matches, in which:  
2381 unique CDR3  
13 unique J



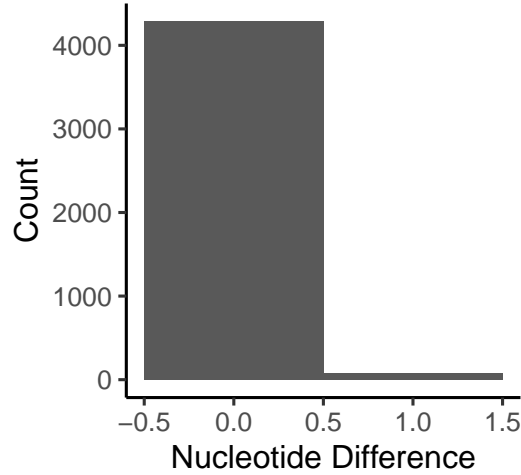
### TRBV3-12\*ap01

12006 sequences assigned  
11876 (98.9%) exact matches, in which:  
11652 unique CDR3  
13 unique J



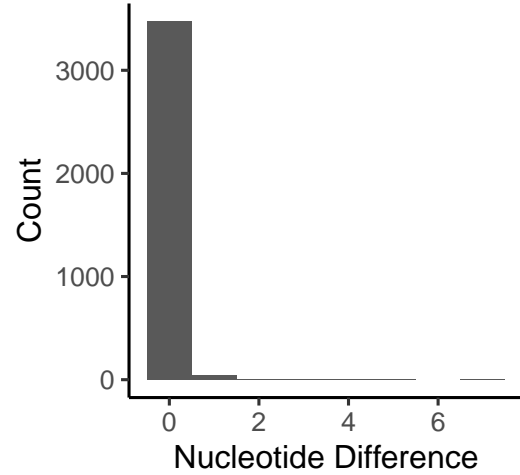
### TRBV4-2\*ap01

4362 sequences assigned  
4286 (98.3%) exact matches, in which:  
4161 unique CDR3  
13 unique J



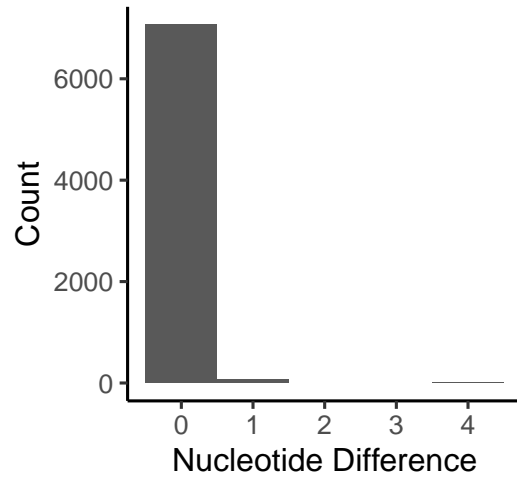
### TRBV25-1\*ap01

3529 sequences assigned  
3474 (98.4%) exact matches, in which:  
3363 unique CDR3  
13 unique J



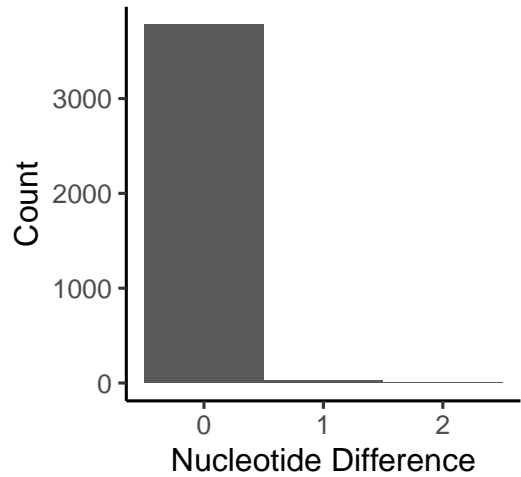
### TRBV4-1\*ap01

7135 sequences assigned  
7066 (99%) exact matches, in which:  
6856 unique CDR3  
13 unique J



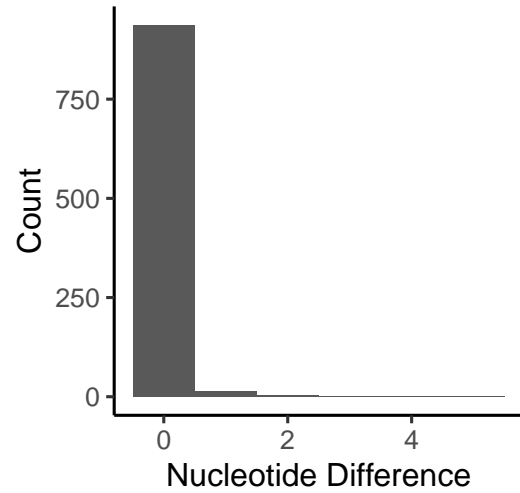
### TRBV4-3\*ap01

3811 sequences assigned  
3779 (99.2%) exact matches, in which:  
3657 unique CDR3  
13 unique J



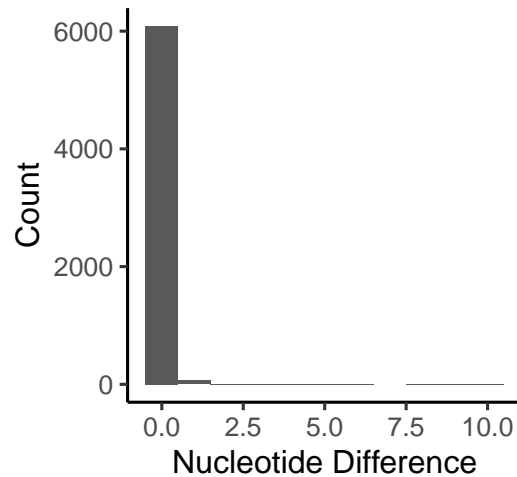
### TRBV5-3\*ap01

956 sequences assigned  
937 (98%) exact matches, in which:  
913 unique CDR3  
13 unique J



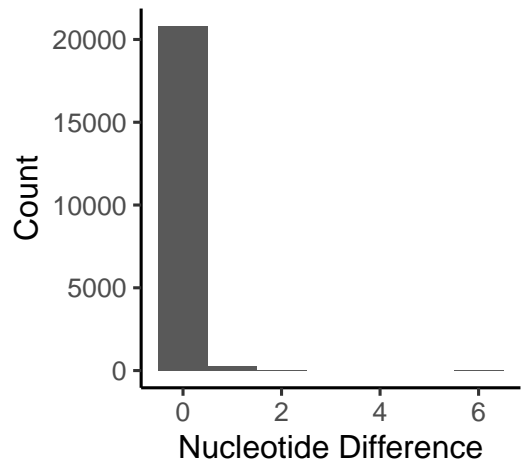
### TRBV24-1\*ap01

6169 sequences assigned  
6087 (98.7%) exact matches, in which:  
5922 unique CDR3  
13 unique J



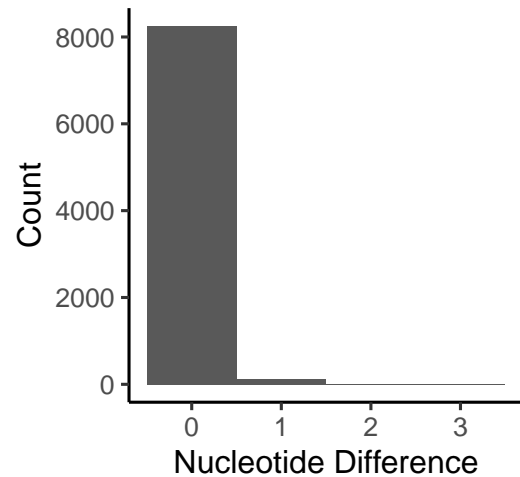
### TRBV5-1\*ap01

21088 sequences assigned  
20827 (98.8%) exact matches, in which:  
20232 unique CDR3  
13 unique J



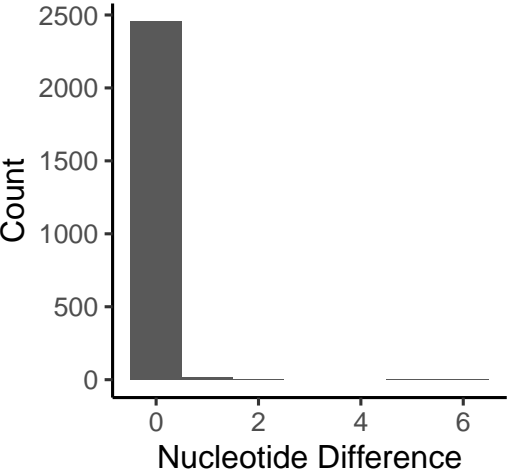
### TRBV5-4\*ap01

8378 sequences assigned  
8252 (98.5%) exact matches, in which:  
8023 unique CDR3  
13 unique J



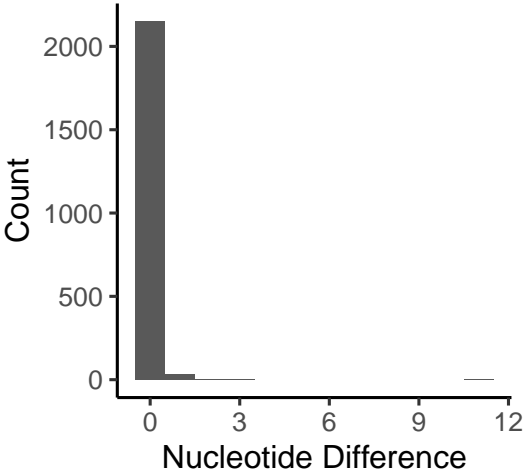
TRBV5-5\*ap01

2479 sequences assigned  
2456 (99.1%) exact matches, in which:  
2430 unique CDR3  
13 unique J



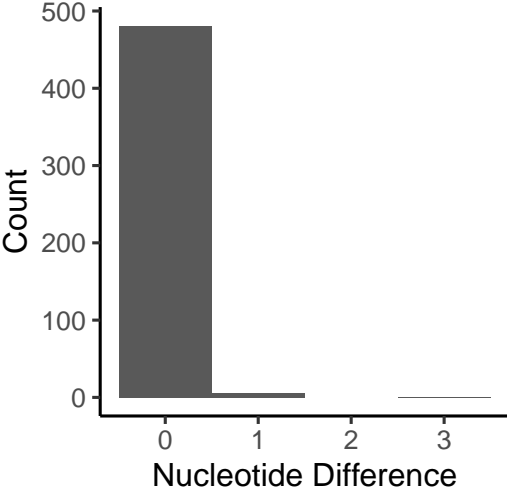
TRBV5-8\*ap01

2193 sequences assigned  
2150 (98%) exact matches, in which:  
2104 unique CDR3  
13 unique J



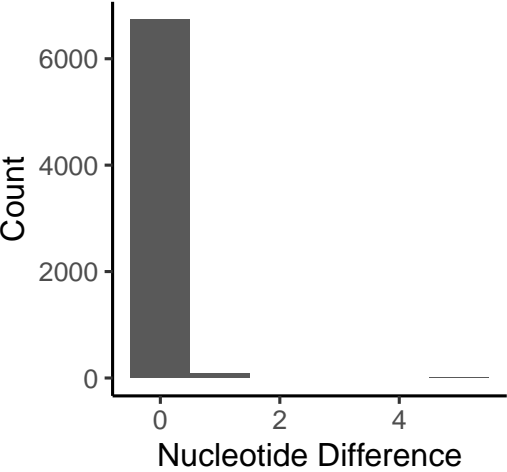
TRBV6-7\*ap01

488 sequences assigned  
481 (98.6%) exact matches, in which:  
463 unique CDR3  
13 unique J



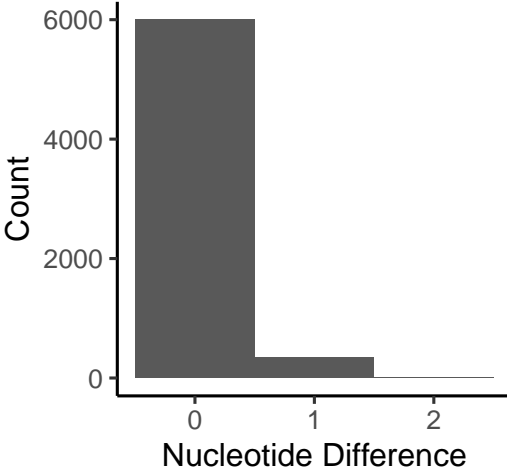
TRBV5-6\*ap01

6817 sequences assigned  
6733 (98.8%) exact matches, in which:  
6502 unique CDR3  
13 unique J



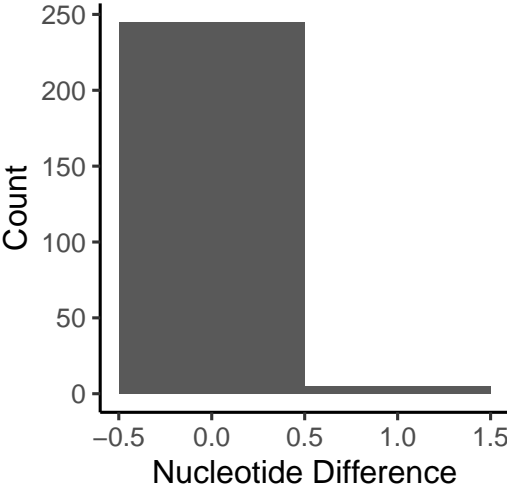
TRBV6-1\*ap01

6345 sequences assigned  
5999 (94.5%) exact matches, in which:  
5827 unique CDR3  
13 unique J



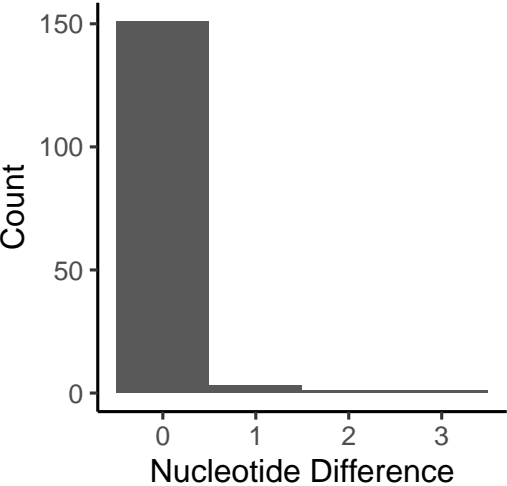
TRBV6-8\*ap01

250 sequences assigned  
245 (98%) exact matches, in which:  
238 unique CDR3  
13 unique J



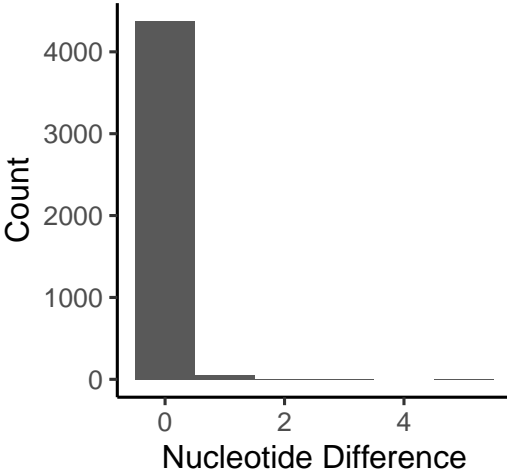
TRBV5-7\*ap01

156 sequences assigned  
151 (96.8%) exact matches, in which:  
148 unique CDR3  
12 unique J



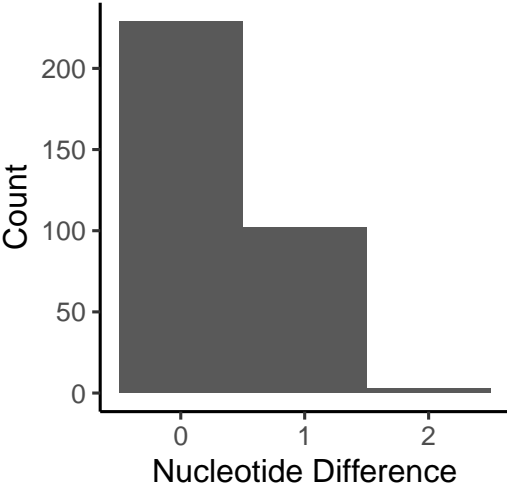
TRBV6-4\*ap01

4444 sequences assigned  
4376 (98.5%) exact matches, in which:  
4289 unique CDR3  
13 unique J



TRBV6-9\*ap01

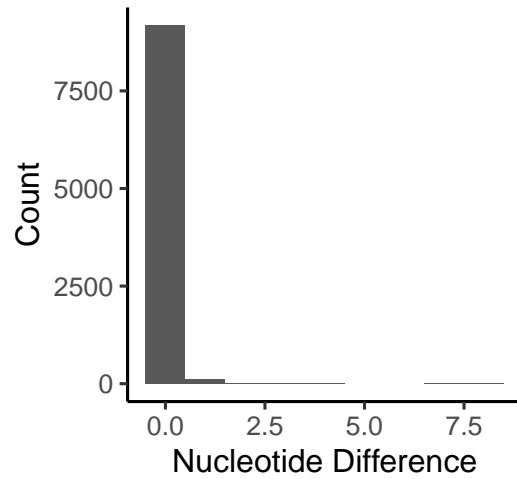
334 sequences assigned  
229 (68.6%) exact matches, in which:  
220 unique CDR3  
13 unique J





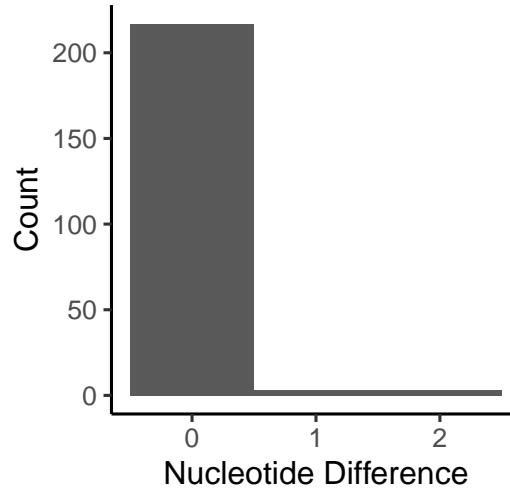
### TRBV6-23\*ap01

9294 sequences assigned  
9178 (98.8%) exact matches, in which:  
8876 unique CDR3  
13 unique J



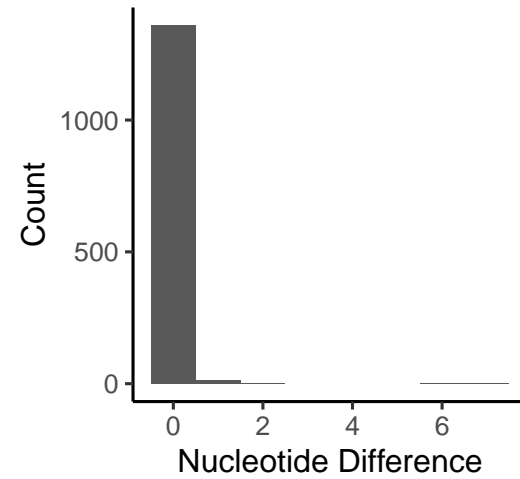
### TRBV7-1\*ap01\_G291C\_

223 sequences assigned  
217 (97.3%) exact matches, in which:  
206 unique CDR3  
13 unique J



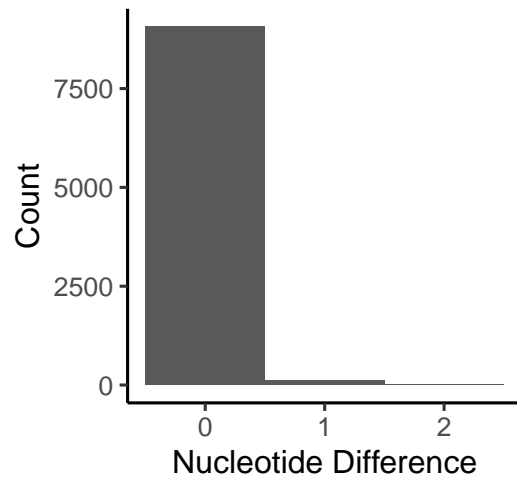
### TRBV7-3\*ap03

1376 sequences assigned  
1359 (98.8%) exact matches, in which:  
1330 unique CDR3  
13 unique J



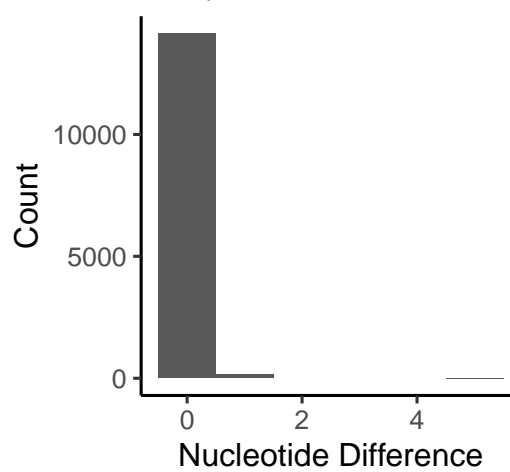
### TRBV6-56\*ap01

9190 sequences assigned  
9065 (98.6%) exact matches, in which:  
8755 unique CDR3  
13 unique J



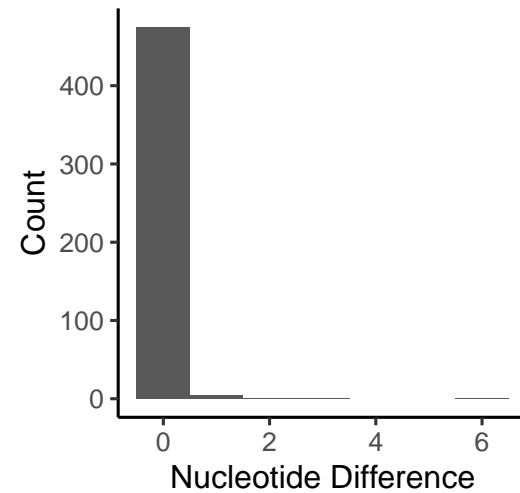
### TRBV7-2\*ap01

14291 sequences assigned  
14141 (99%) exact matches, in which:  
13807 unique CDR3  
13 unique J



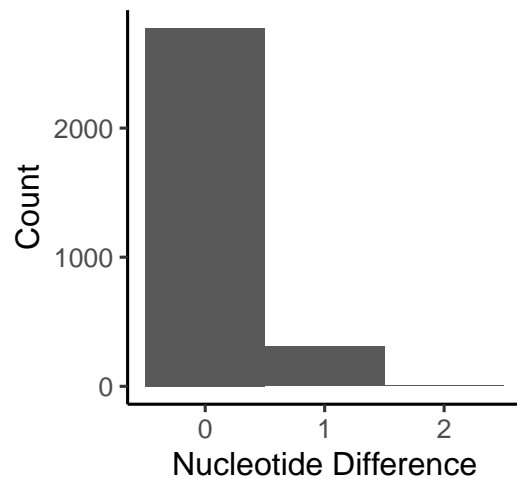
### TRBV7-4\*ap01

483 sequences assigned  
475 (98.3%) exact matches, in which:  
460 unique CDR3  
13 unique J



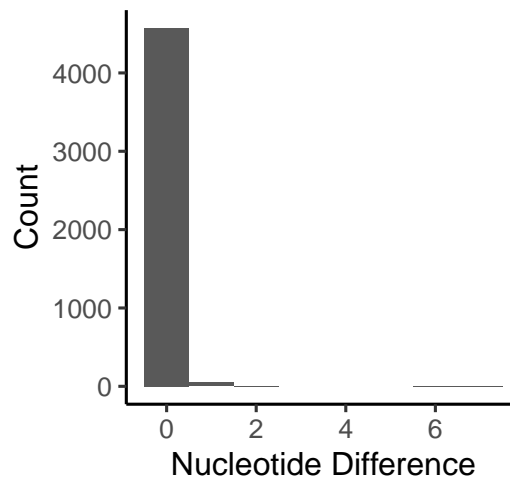
### TRBV6-56\*ap02

3089 sequences assigned  
2775 (89.8%) exact matches, in which:  
2686 unique CDR3  
13 unique J



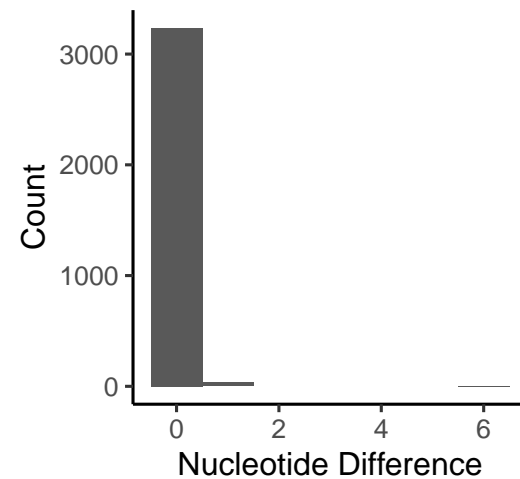
### TRBV7-3\*ap01

4625 sequences assigned  
4573 (98.9%) exact matches, in which:  
4489 unique CDR3  
13 unique J



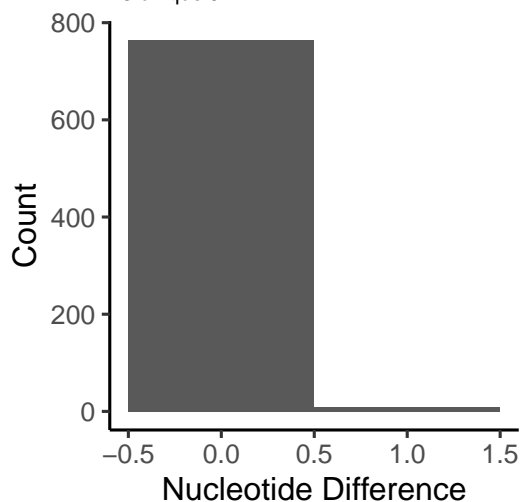
### TRBV7-6\*ap01

3269 sequences assigned  
3235 (99%) exact matches, in which:  
3151 unique CDR3  
13 unique J



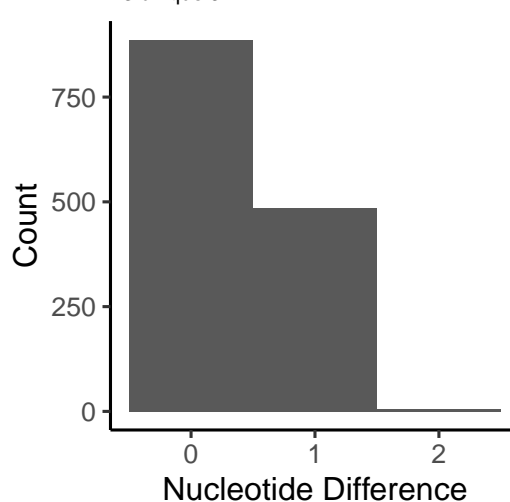
### TRBV7-7\*ap01

774 sequences assigned  
765 (98.8%) exact matches, in which:  
748 unique CDR3  
13 unique J



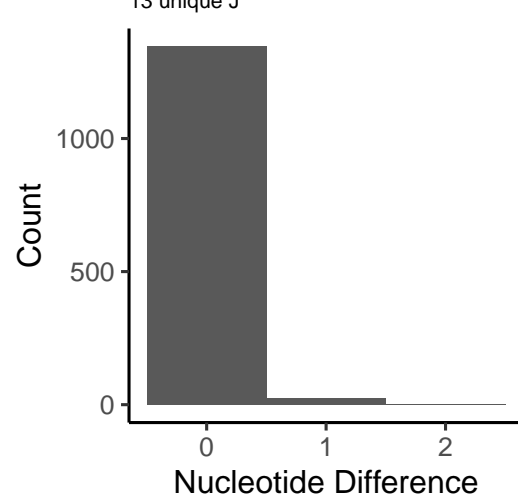
### TRBV7-8\*ap03

1379 sequences assigned  
887 (64.3%) exact matches, in which:  
873 unique CDR3  
13 unique J



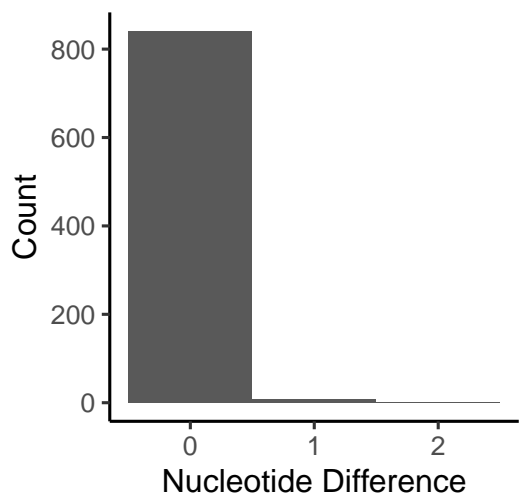
### TRBV29-1\*ap02

1372 sequences assigned  
1346 (98.1%) exact matches, in which:  
1308 unique CDR3  
13 unique J



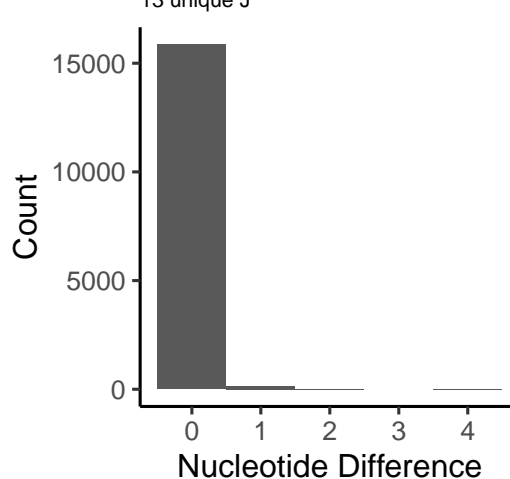
### TRBV7-7\*ap01\_C315T

850 sequences assigned  
841 (98.9%) exact matches, in which:  
817 unique CDR3  
13 unique J



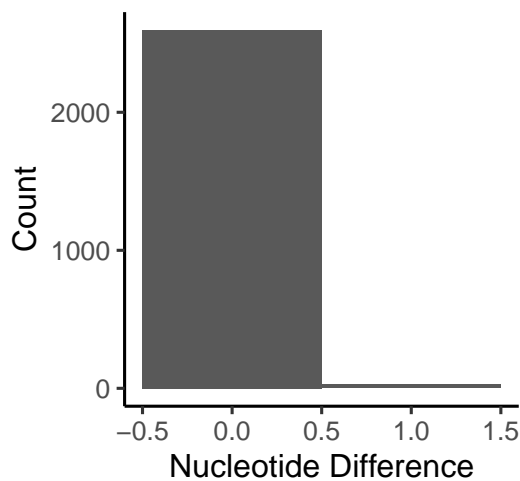
### TRBV7-9\*ap01

16023 sequences assigned  
15863 (99%) exact matches, in which:  
15535 unique CDR3  
13 unique J



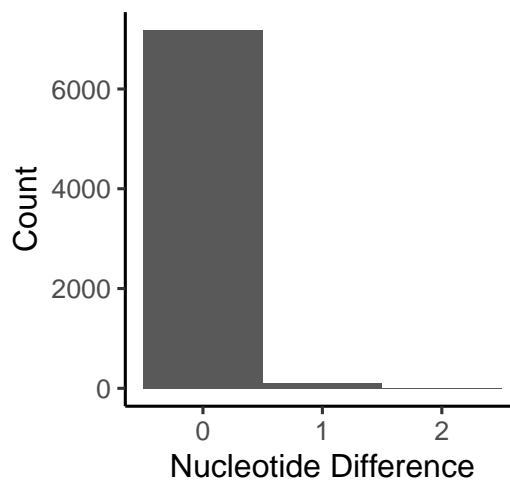
### TRBV7-8\*ap01

2624 sequences assigned  
2596 (98.9%) exact matches, in which:  
2531 unique CDR3  
13 unique J

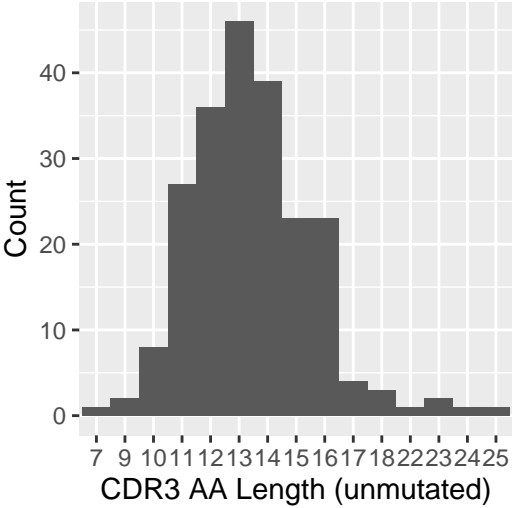


### TRBV29-1\*ap01

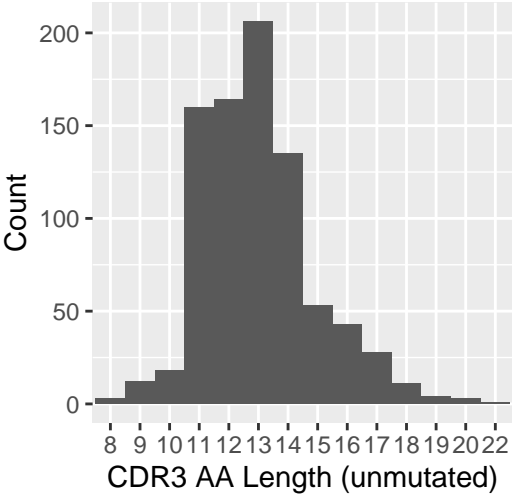
7294 sequences assigned  
7181 (98.5%) exact matches, in which:  
6974 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]