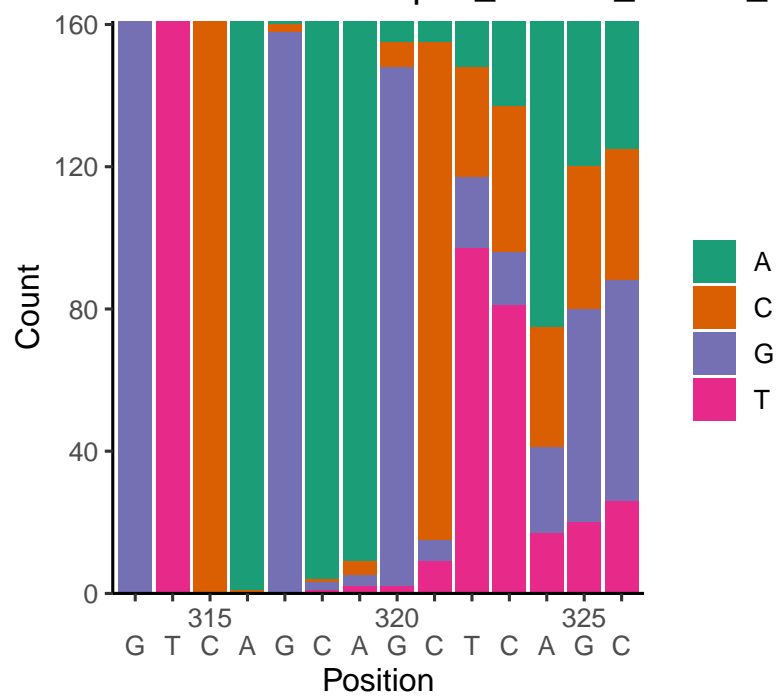
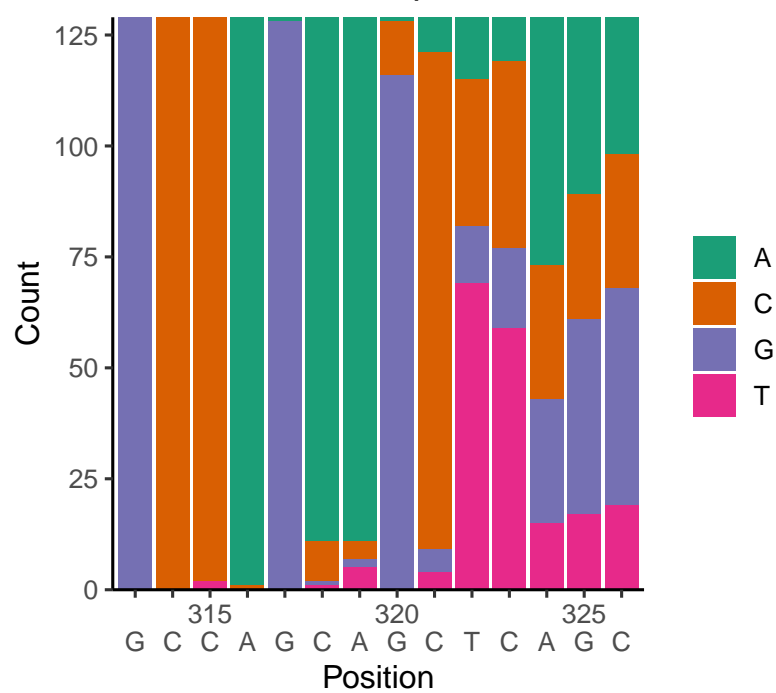


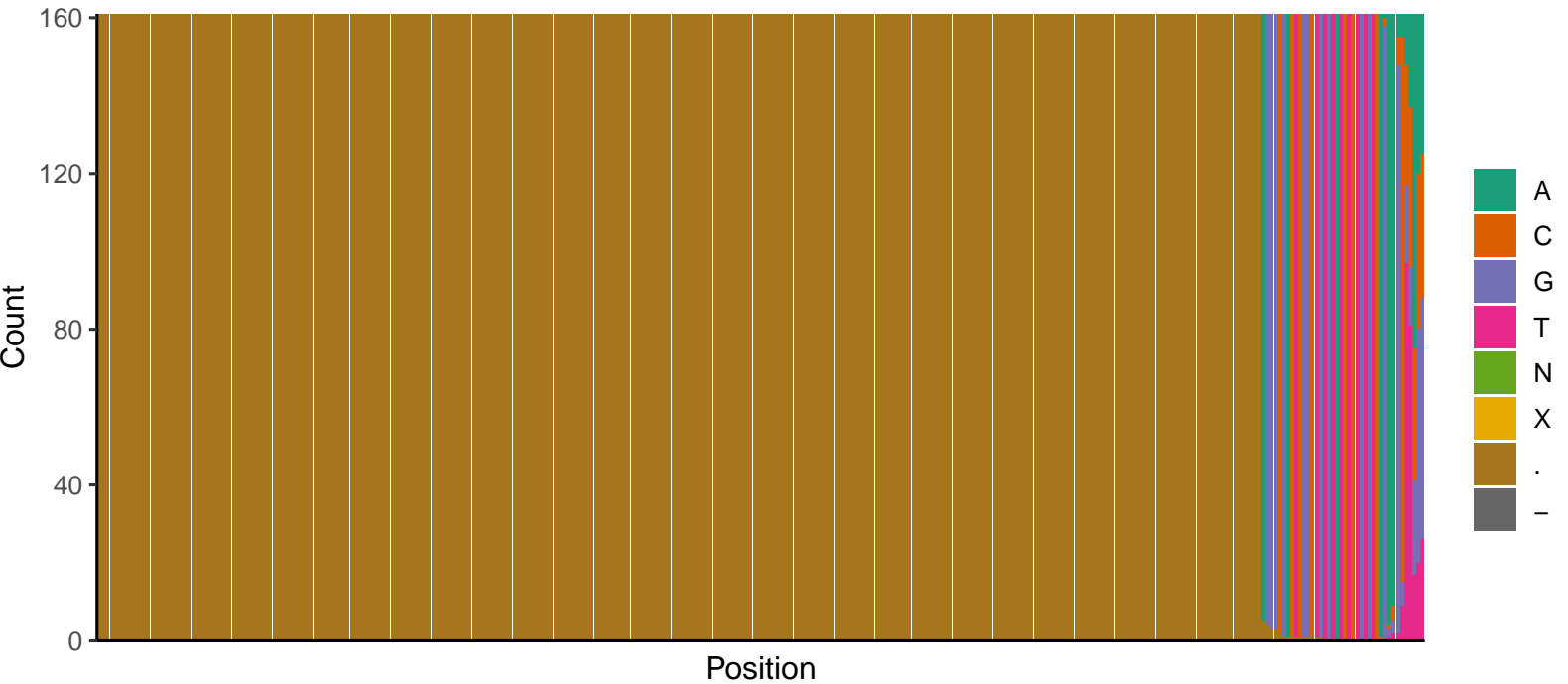
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



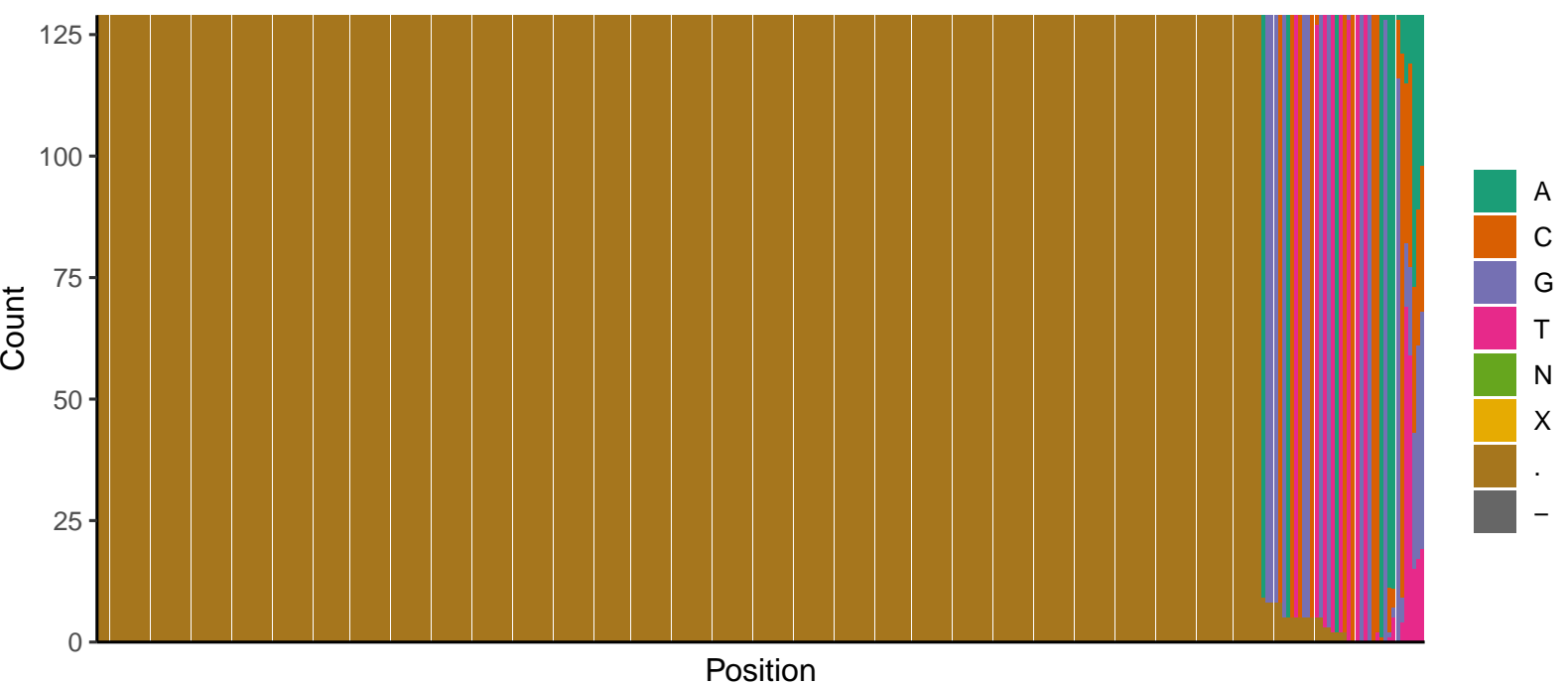
Gene TRBV7-1\*ap01\_G291C\_T296C



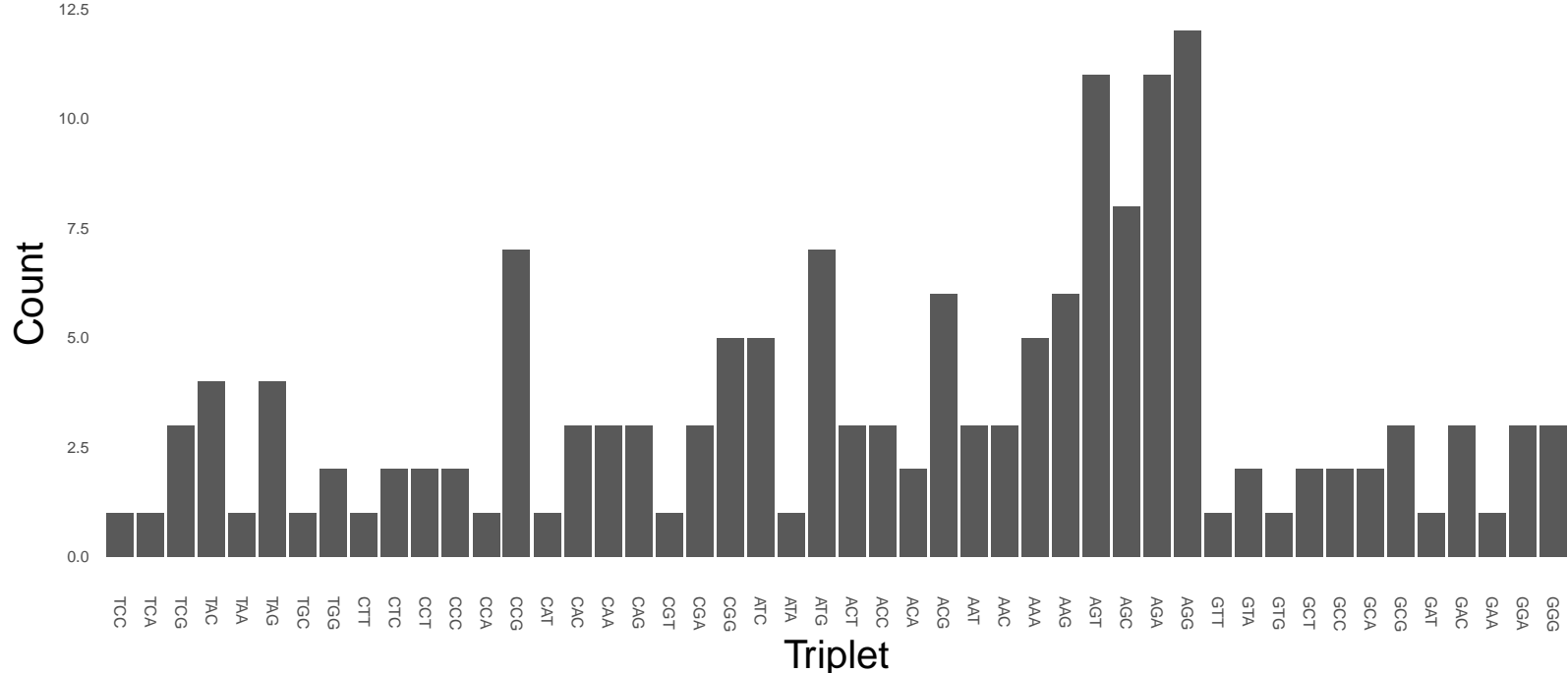
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



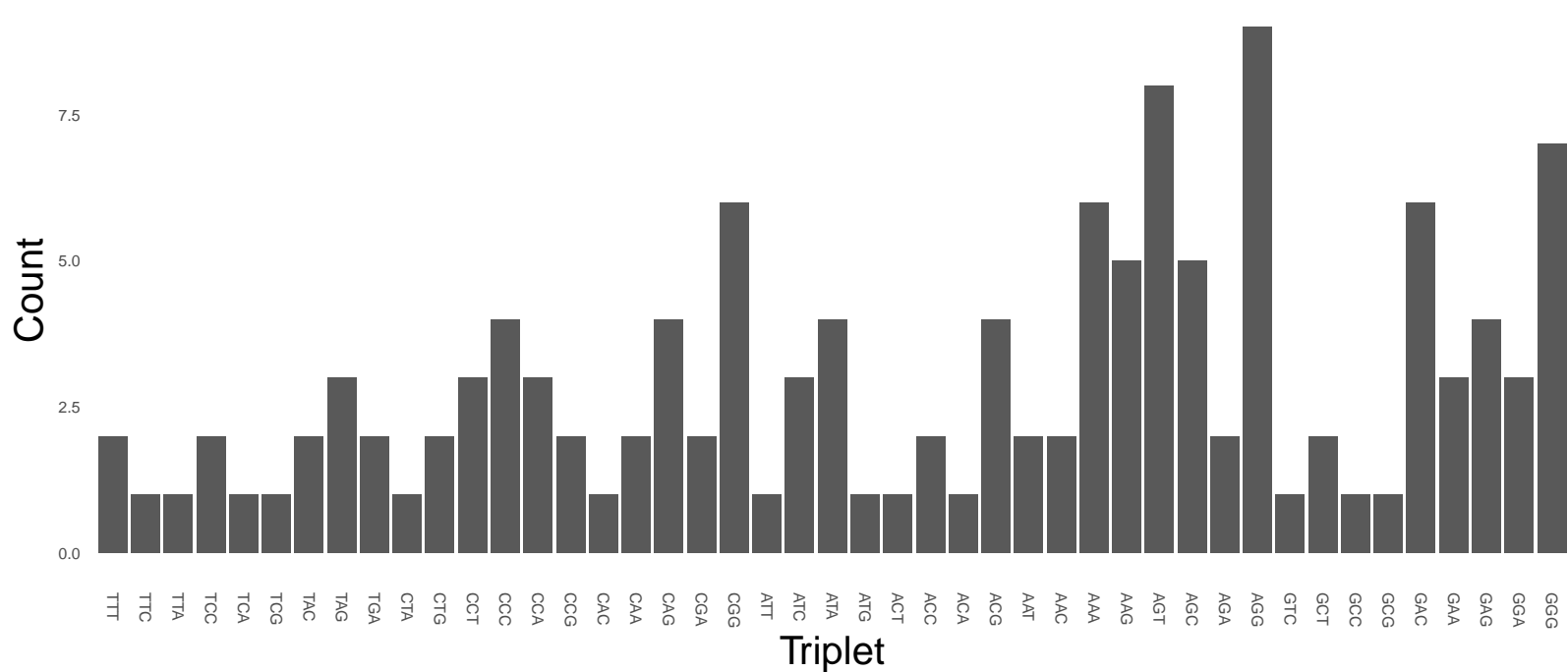
Gene TRBV7-1\*ap01\_G291C\_T296C



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

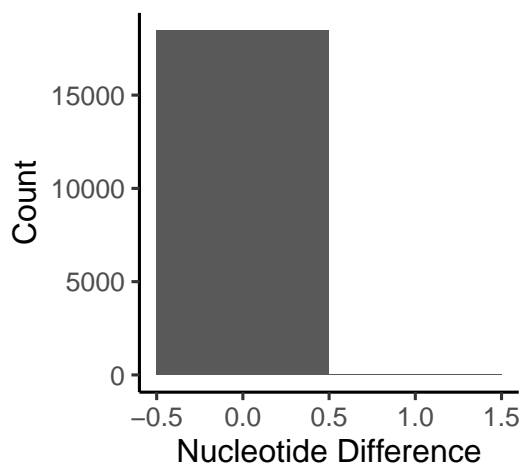


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



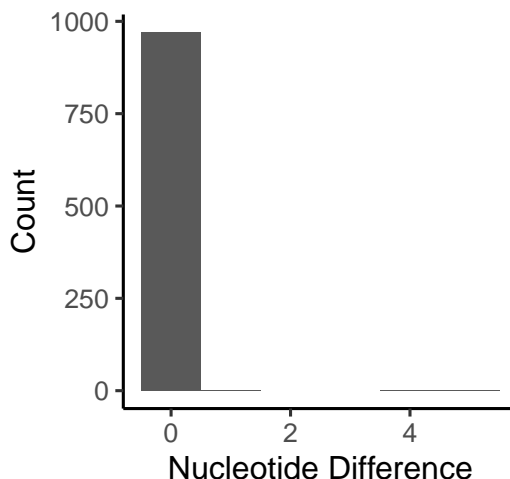
### TRBV20-1\*ap01

18512 sequences assigned  
18483 (99.8%) exact matches, in which:  
18482 unique CDR3  
13 unique J



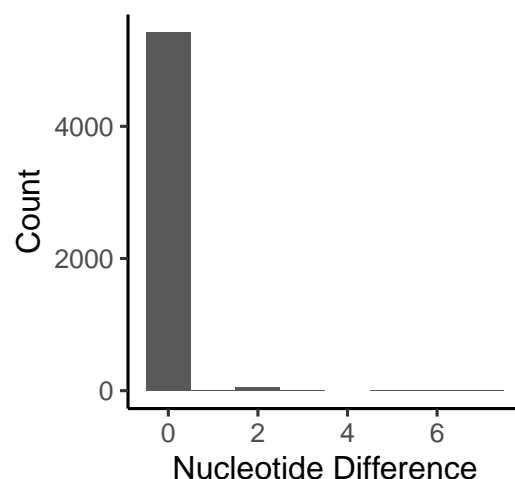
### TRBV10-2\*ap01

974 sequences assigned  
970 (99.6%) exact matches, in which:  
970 unique CDR3  
13 unique J



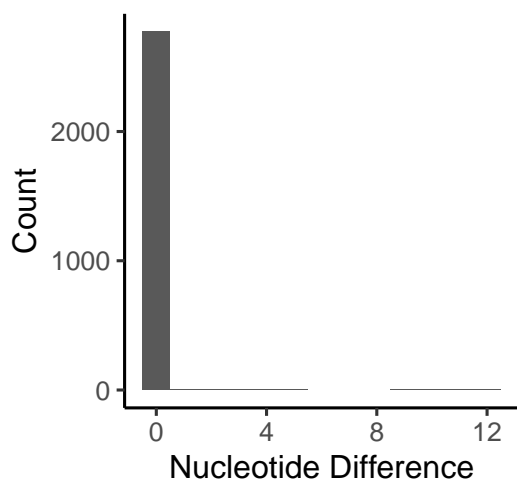
### TRBV13\*ap01

5490 sequences assigned  
5421 (98.7%) exact matches, in which:  
5419 unique CDR3  
13 unique J



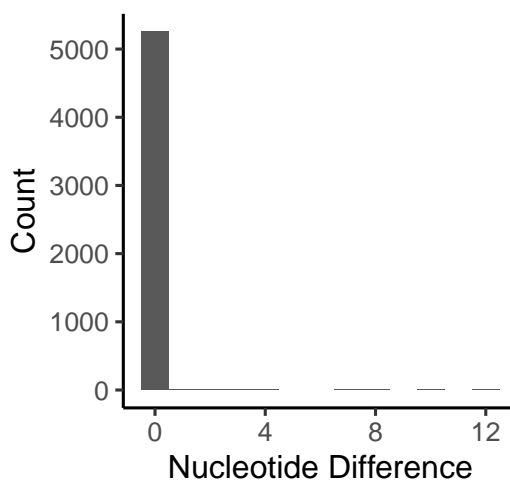
### TRBV10-1\*ap01

2787 sequences assigned  
2772 (99.5%) exact matches, in which:  
2772 unique CDR3  
13 unique J



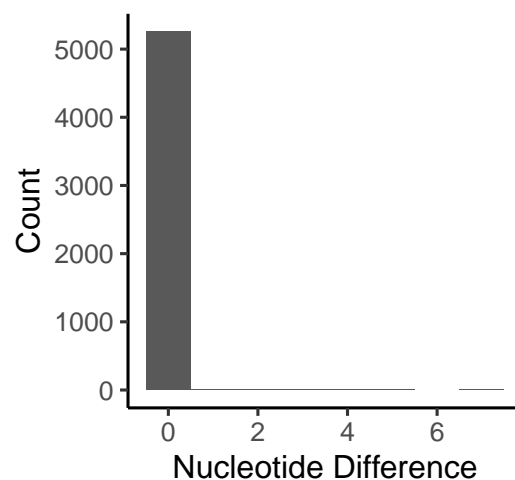
### TRBV10-3\*ap01

5274 sequences assigned  
5254 (99.6%) exact matches, in which:  
5253 unique CDR3  
13 unique J



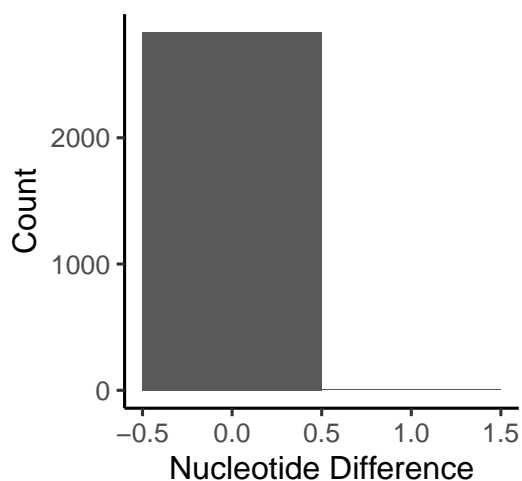
### TRBV14\*ap01

5270 sequences assigned  
5255 (99.7%) exact matches, in which:  
5255 unique CDR3  
13 unique J



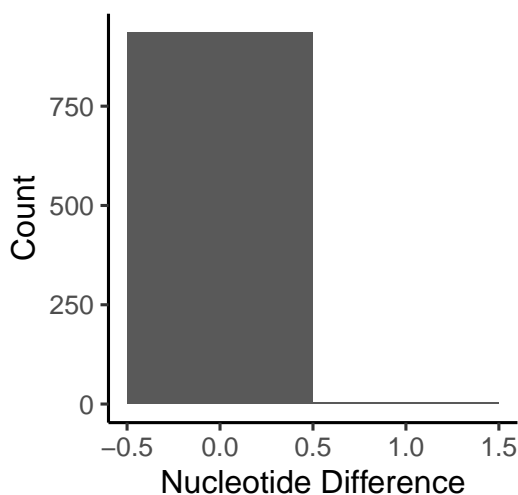
### TRBV20-1\*ap02

2842 sequences assigned  
2837 (99.8%) exact matches, in which:  
2835 unique CDR3  
13 unique J



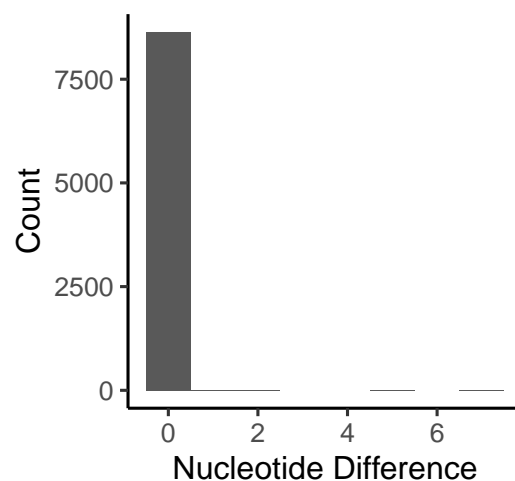
### TRBV1\*ap01

939 sequences assigned  
936 (99.7%) exact matches, in which:  
936 unique CDR3  
13 unique J



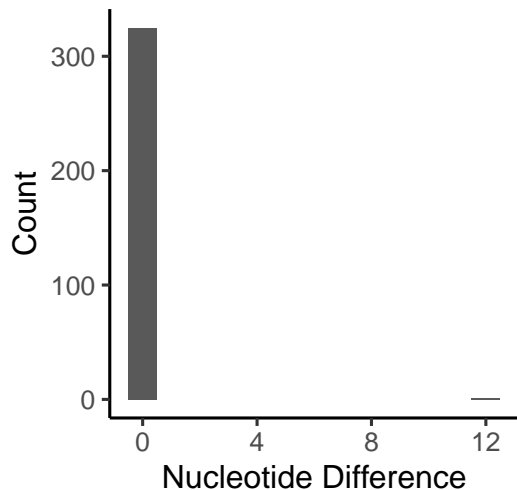
### TRBV15\*ap02

8644 sequences assigned  
8637 (99.9%) exact matches, in which:  
8633 unique CDR3  
13 unique J



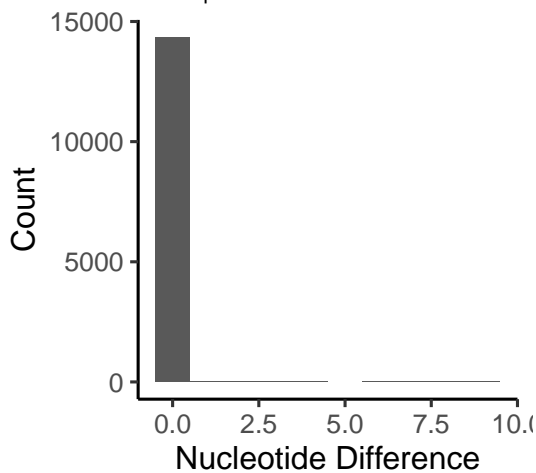
### TRBV16\*ap01

326 sequences assigned  
325 (99.7%) exact matches, in which:  
325 unique CDR3  
13 unique J



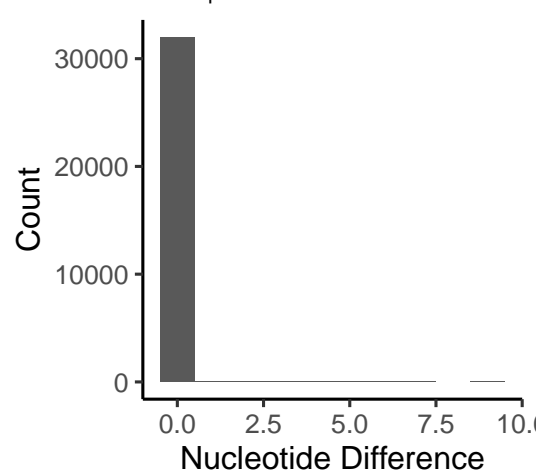
### TRBV19\*ap01

14393 sequences assigned  
14349 (99.7%) exact matches, in which:  
14349 unique CDR3  
13 unique J



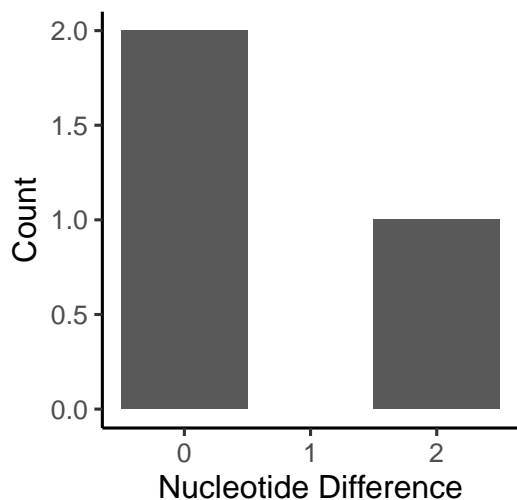
### TRBV27\*ap01

32092 sequences assigned  
31997 (99.7%) exact matches, in which:  
31962 unique CDR3  
13 unique J



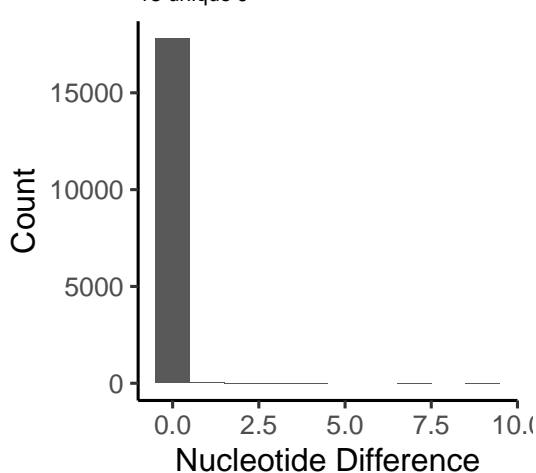
### TRBV17\*ap01

3 sequences assigned  
2 (66.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



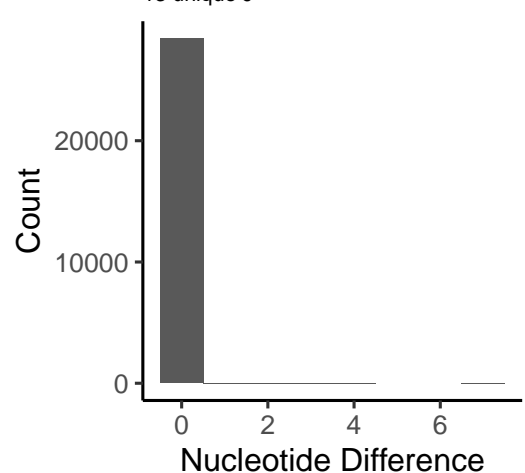
### TRBV2\*ap01

17847 sequences assigned  
17806 (99.8%) exact matches, in which:  
17794 unique CDR3  
13 unique J



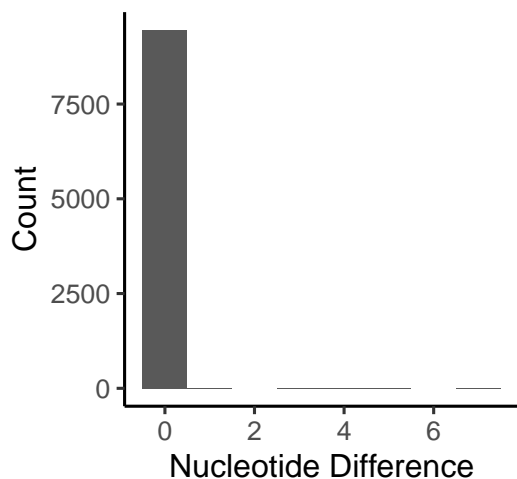
### TRBV28\*ap01

28491 sequences assigned  
28432 (99.8%) exact matches, in which:  
28431 unique CDR3  
13 unique J



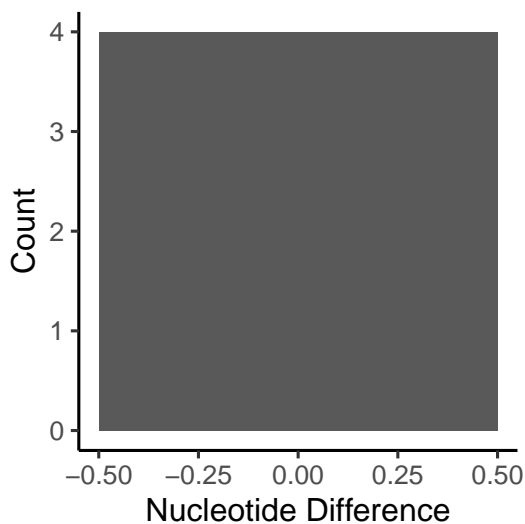
### TRBV18\*ap01

9463 sequences assigned  
9452 (99.9%) exact matches, in which:  
9451 unique CDR3  
13 unique J



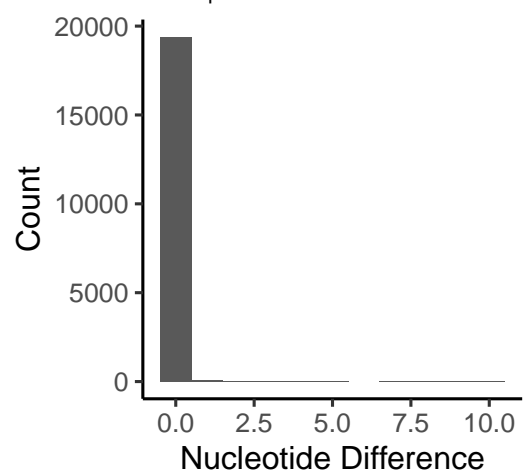
### TRBV26\*ap01

4 sequences assigned  
4 (100%) exact matches, in which:  
4 unique CDR3  
4 unique J



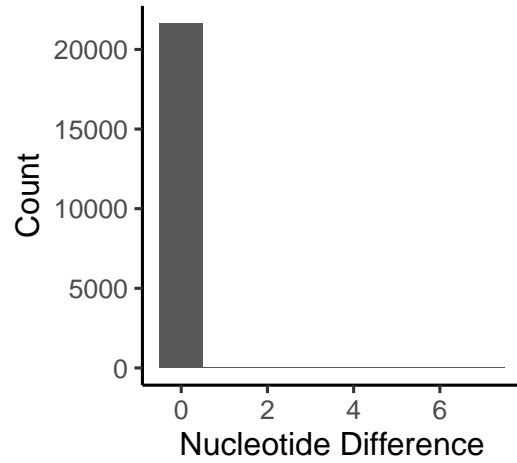
### TRBV30\*ap01

19484 sequences assigned  
19398 (99.6%) exact matches, in which:  
19374 unique CDR3  
13 unique J



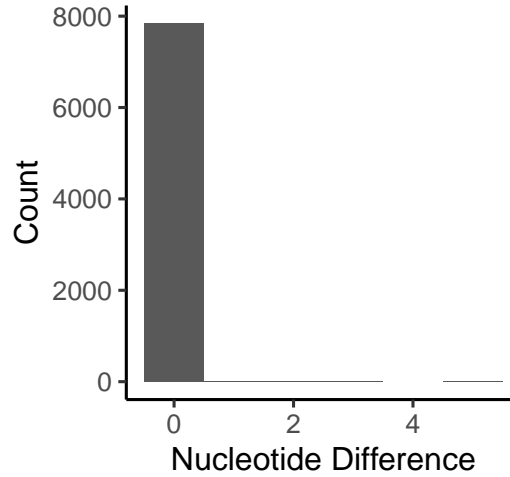
### TRBV9\*ap01

21686 sequences assigned  
21649 (99.8%) exact matches, in which:  
21644 unique CDR3  
13 unique J



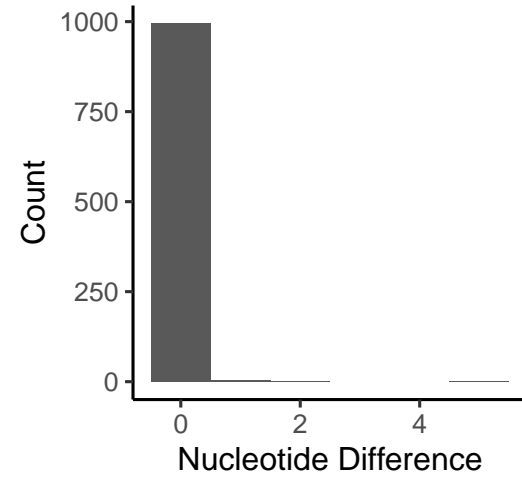
### TRBV11-2\*ap01

7855 sequences assigned  
7841 (99.8%) exact matches, in which:  
7840 unique CDR3  
13 unique J



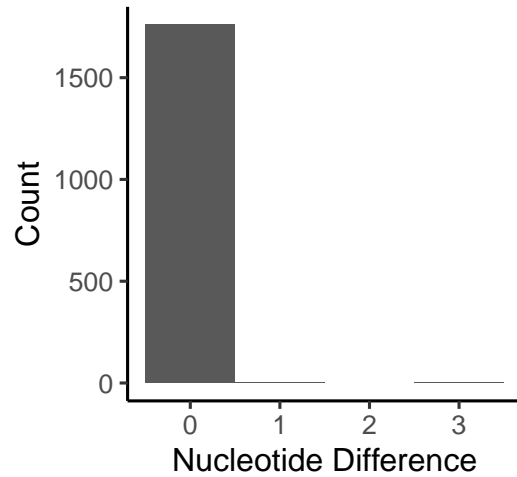
### TRBV12-2\*ap01

1001 sequences assigned  
995 (99.4%) exact matches, in which:  
994 unique CDR3  
13 unique J



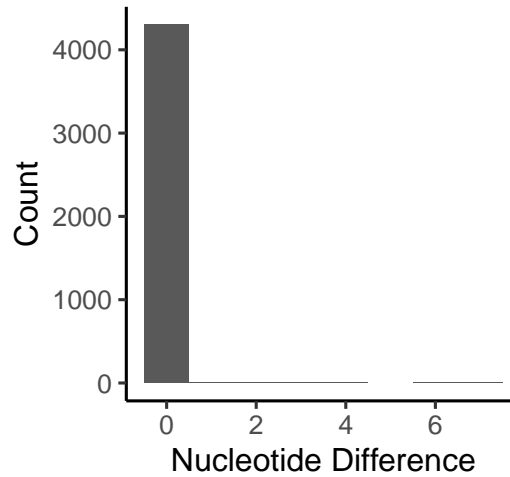
### TRBV11-1\*ap01

1765 sequences assigned  
1760 (99.7%) exact matches, in which:  
1760 unique CDR3  
13 unique J



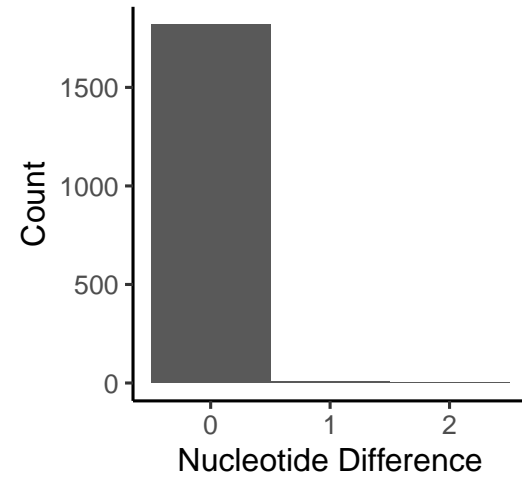
### TRBV11-3\*ap01

4318 sequences assigned  
4301 (99.6%) exact matches, in which:  
4301 unique CDR3  
13 unique J



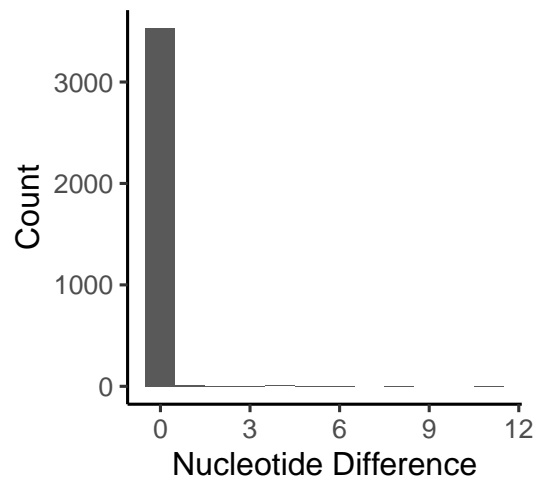
### TRBV12-5\*ap01

1827 sequences assigned  
1818 (99.5%) exact matches, in which:  
1818 unique CDR3  
13 unique J



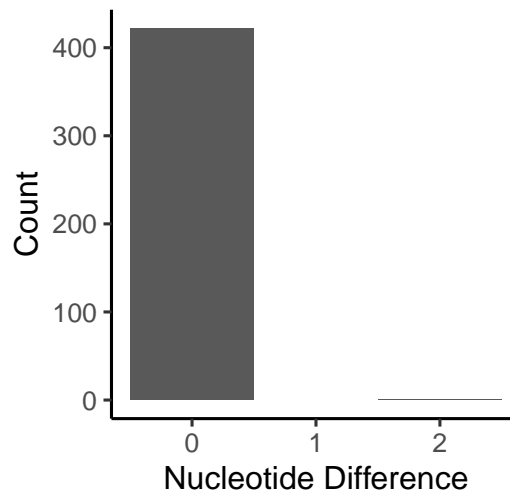
### TRBV21-1\*ap01

3569 sequences assigned  
3532 (99%) exact matches, in which:  
3531 unique CDR3  
13 unique J



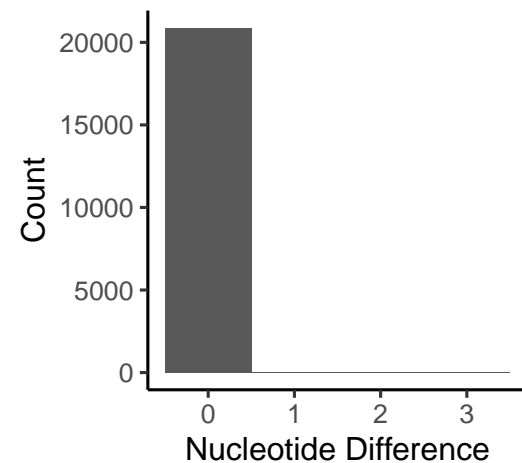
### TRBV12-1\*ap01

423 sequences assigned  
422 (99.8%) exact matches, in which:  
422 unique CDR3  
13 unique J



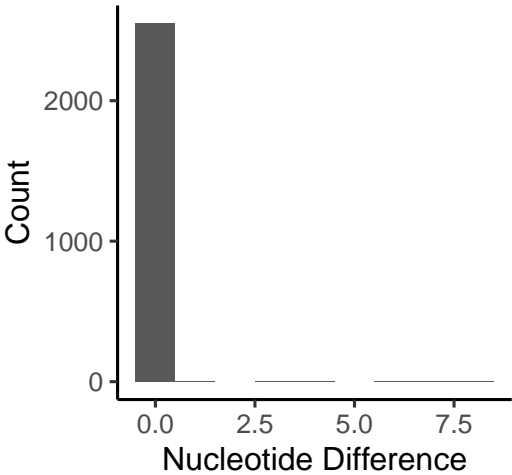
### TRBV12-34\*ap01

20912 sequences assigned  
20882 (99.9%) exact matches, in which:  
20879 unique CDR3  
13 unique J



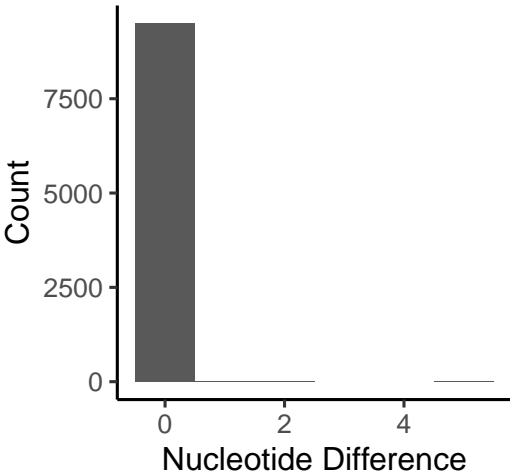
TRBV23-1\*ap01

2560 sequences assigned  
2550 (99.6%) exact matches, in which:  
2550 unique CDR3  
13 unique J



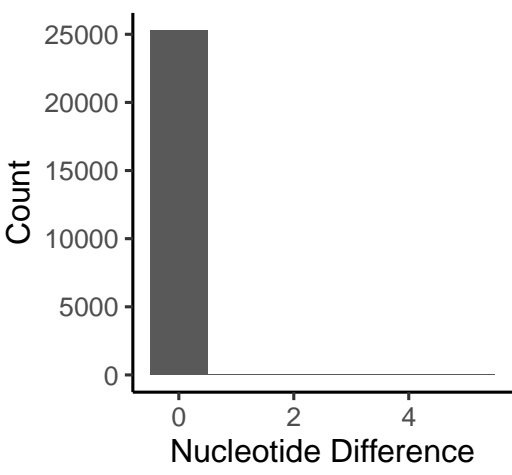
TRBV4-1\*ap01

9511 sequences assigned  
9496 (99.8%) exact matches, in which:  
9495 unique CDR3  
13 unique J



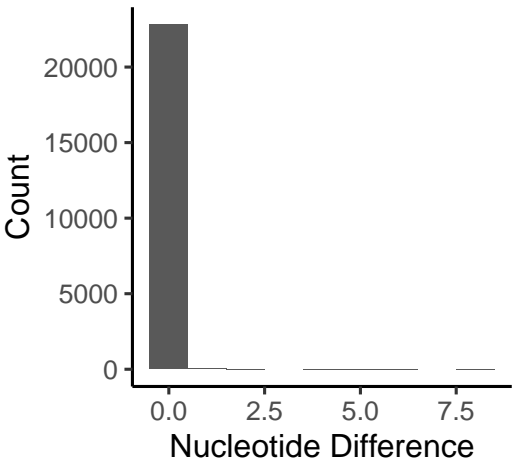
TRBV5-1\*ap01

25340 sequences assigned  
25304 (99.9%) exact matches, in which:  
25289 unique CDR3  
13 unique J



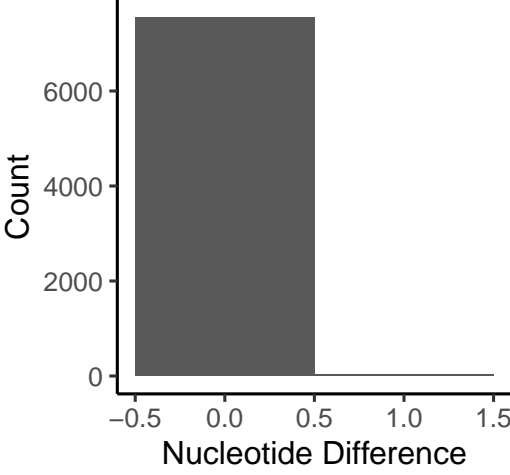
TRBV3-12\*ap01

22896 sequences assigned  
22818 (99.7%) exact matches, in which:  
22790 unique CDR3  
13 unique J



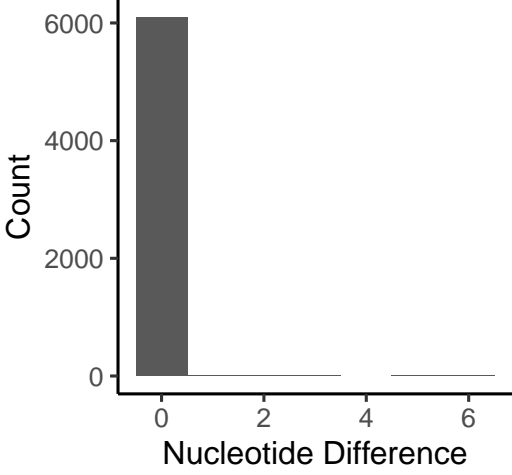
TRBV4-2\*ap01

7569 sequences assigned  
7543 (99.7%) exact matches, in which:  
7543 unique CDR3  
13 unique J



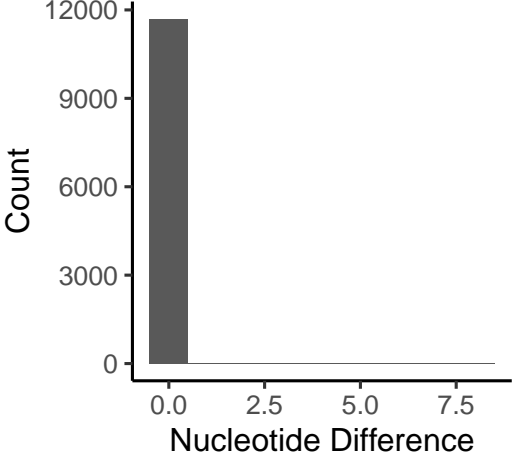
TRBV25-1\*ap01

6112 sequences assigned  
6089 (99.6%) exact matches, in which:  
6081 unique CDR3  
13 unique J



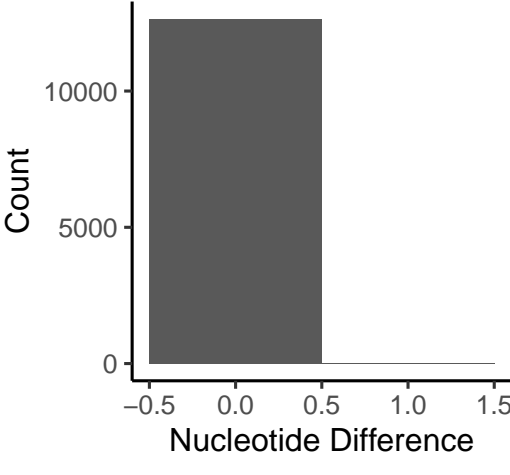
TRBV24-1\*ap01

11746 sequences assigned  
11699 (99.6%) exact matches, in which:  
11683 unique CDR3  
13 unique J



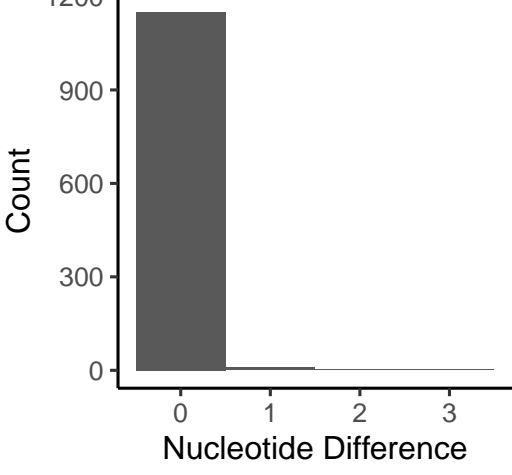
TRBV4-3\*ap01

12671 sequences assigned  
12651 (99.8%) exact matches, in which:  
12650 unique CDR3  
13 unique J



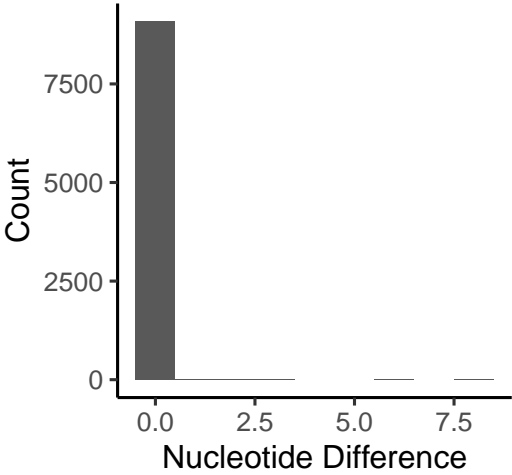
TRBV5-3\*ap01

1165 sequences assigned  
1150 (98.7%) exact matches, in which:  
1150 unique CDR3  
13 unique J



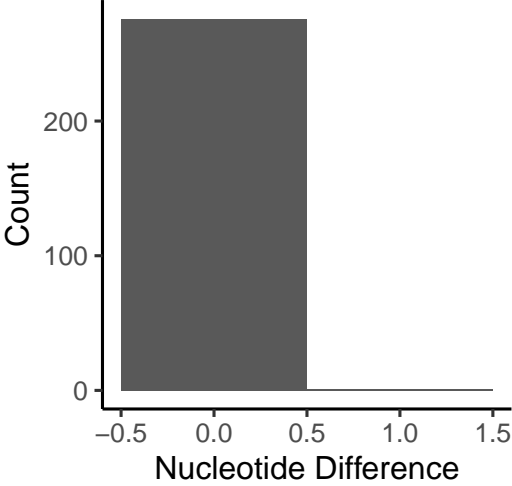
TRBV5-4\*ap01

9101 sequences assigned  
9085 (99.8%) exact matches, in which:  
9085 unique CDR3  
13 unique J



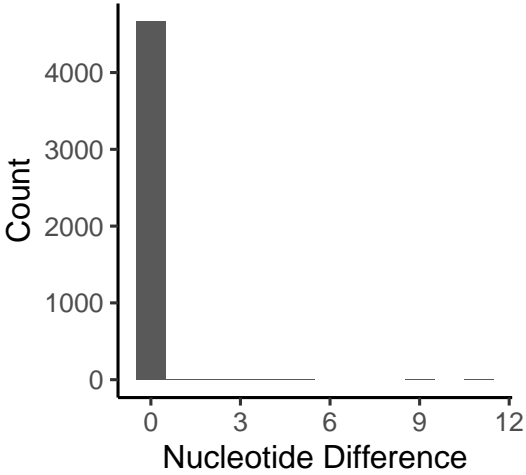
TRBV5-7\*ap01

277 sequences assigned  
276 (99.6%) exact matches, in which:  
275 unique CDR3  
13 unique J



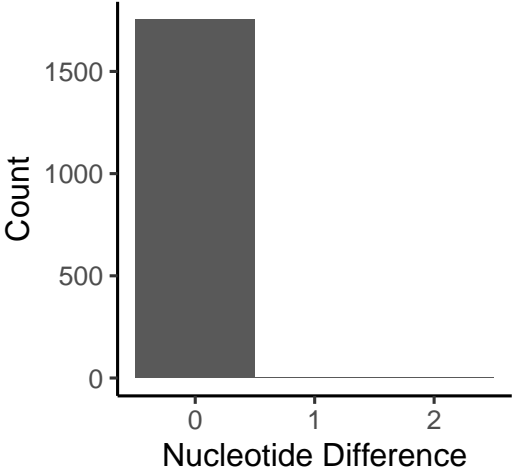
TRBV6-4\*ap01

4693 sequences assigned  
4666 (99.4%) exact matches, in which:  
4665 unique CDR3  
13 unique J



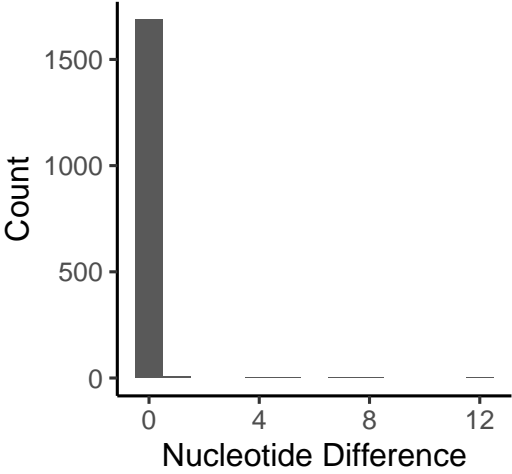
TRBV5-5\*ap01

1758 sequences assigned  
1753 (99.7%) exact matches, in which:  
1752 unique CDR3  
13 unique J



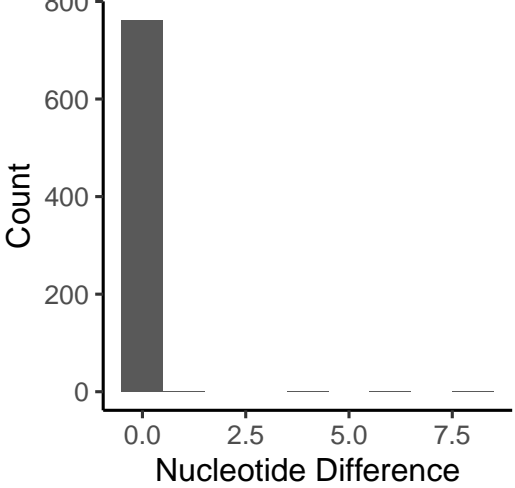
TRBV5-8\*ap01

1701 sequences assigned  
1687 (99.2%) exact matches, in which:  
1687 unique CDR3  
13 unique J



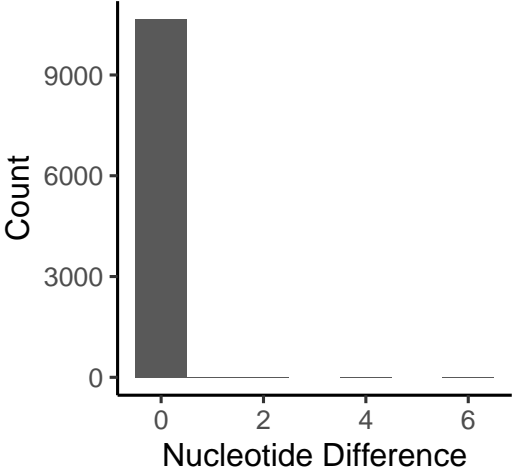
TRBV6-7\*ap01

766 sequences assigned  
762 (99.5%) exact matches, in which:  
762 unique CDR3  
13 unique J



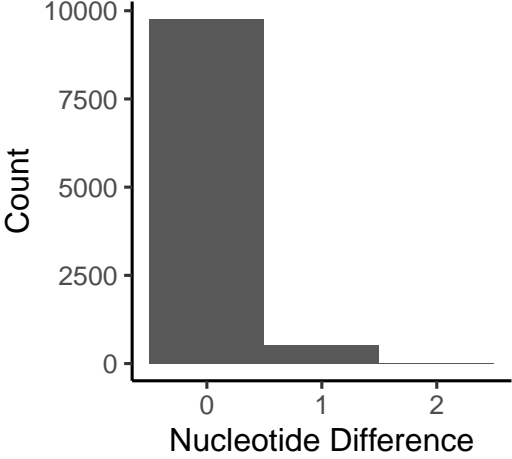
TRBV5-6\*ap01

10676 sequences assigned  
10665 (99.9%) exact matches, in which:  
10657 unique CDR3  
13 unique J



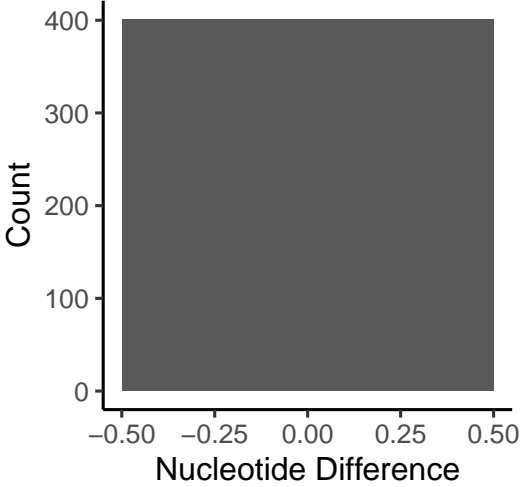
TRBV6-1\*ap01

10294 sequences assigned  
9772 (94.9%) exact matches, in which:  
9770 unique CDR3  
13 unique J



TRBV6-8\*ap01

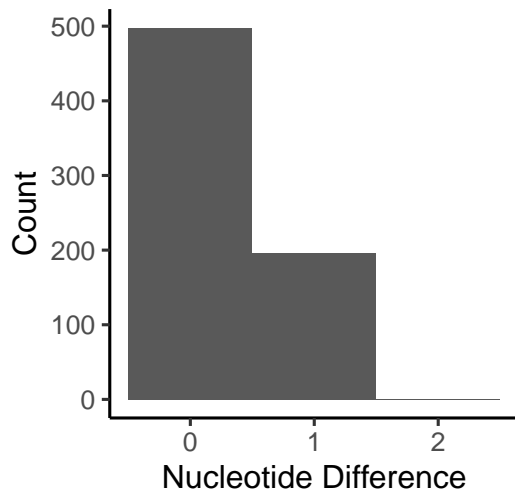
401 sequences assigned  
401 (100%) exact matches, in which:  
401 unique CDR3  
13 unique J





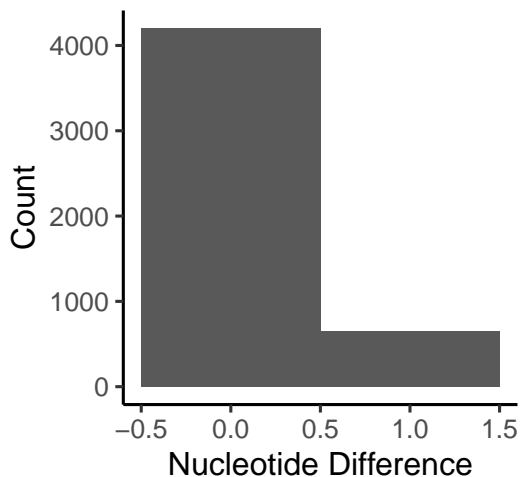
### TRBV6–9\*ap01

695 sequences assigned  
498 (71.7%) exact matches, in which:  
498 unique CDR3  
13 unique J



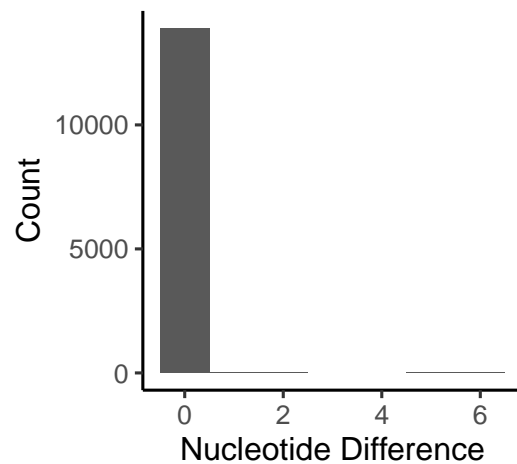
### TRBV6–56\*ap02

4847 sequences assigned  
4200 (86.7%) exact matches, in which:  
4200 unique CDR3  
13 unique J



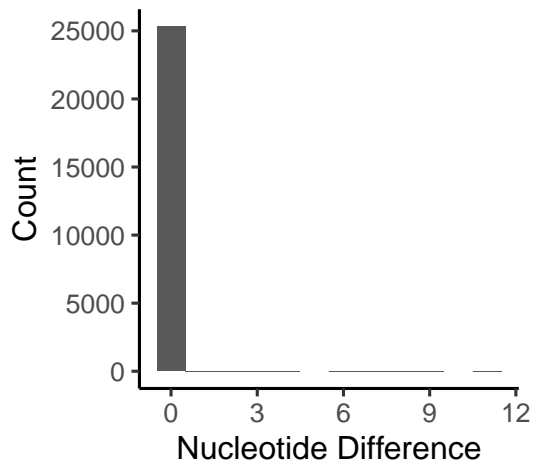
### TRBV7–2\*ap01

13923 sequences assigned  
13901 (99.8%) exact matches, in which:  
13900 unique CDR3  
13 unique J



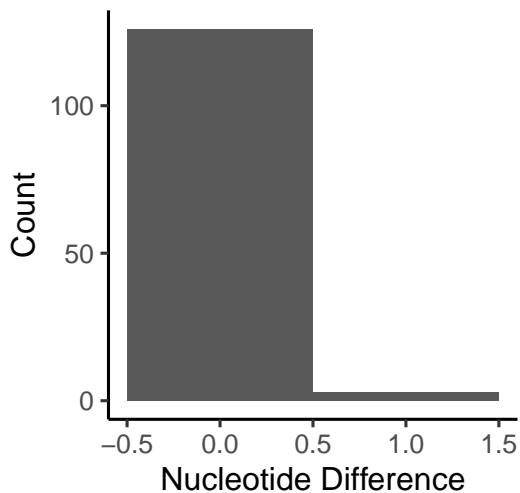
### TRBV6–23\*ap01

25381 sequences assigned  
25321 (99.8%) exact matches, in which:  
25302 unique CDR3  
13 unique J



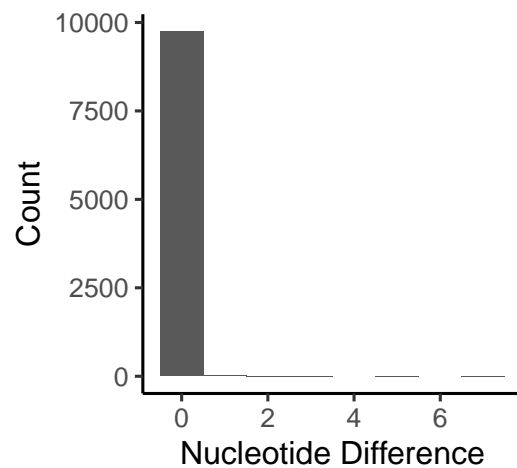
### TRBV7–1\*ap01\_G291C\_

129 sequences assigned  
126 (97.7%) exact matches, in which:  
126 unique CDR3  
12 unique J



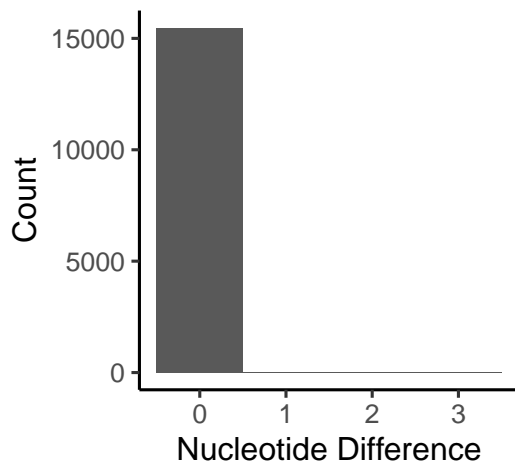
### TRBV7–3\*ap01

9771 sequences assigned  
9746 (99.7%) exact matches, in which:  
9739 unique CDR3  
13 unique J



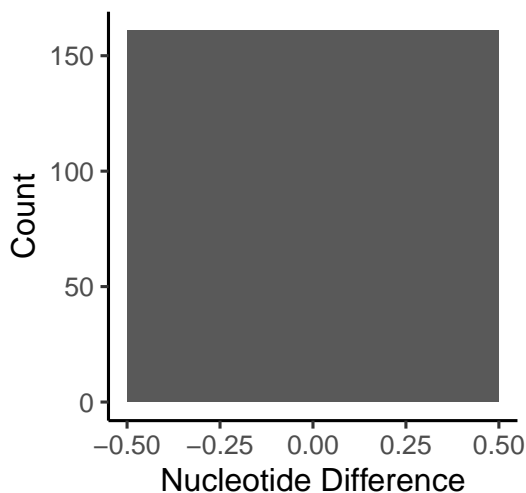
### TRBV6–56\*ap01

15497 sequences assigned  
15475 (99.9%) exact matches, in which:  
15468 unique CDR3  
13 unique J



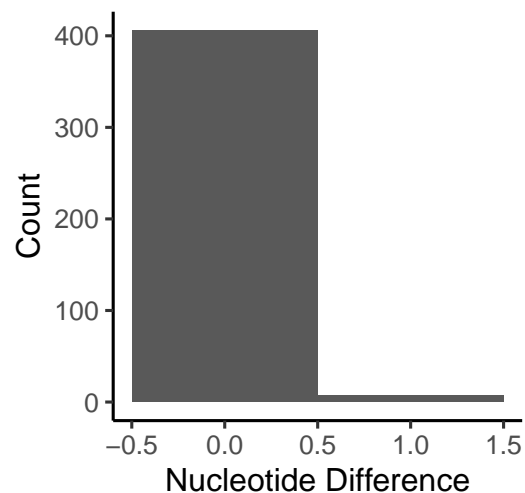
### TRBV7–1\*ap01\_G291C\_

161 sequences assigned  
161 (100%) exact matches, in which:  
161 unique CDR3  
13 unique J



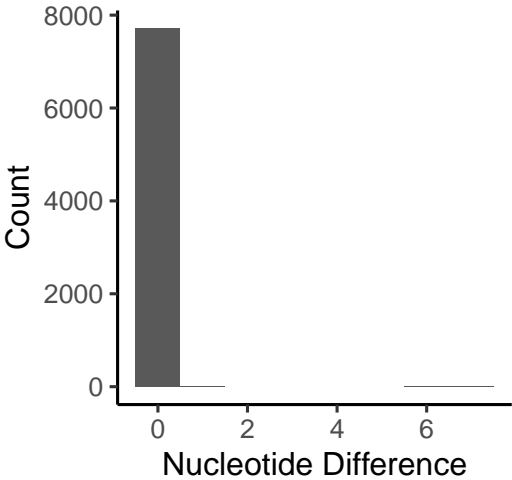
### TRBV7–4\*ap01

413 sequences assigned  
406 (98.3%) exact matches, in which:  
406 unique CDR3  
13 unique J



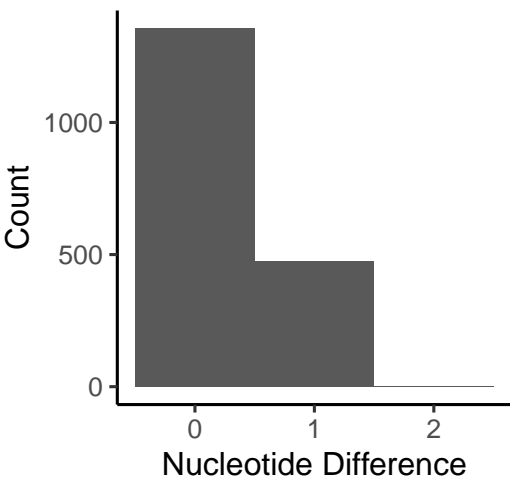
TRBV7-6\*ap01

7724 sequences assigned  
7714 (99.9%) exact matches, in which:  
7714 unique CDR3  
13 unique J



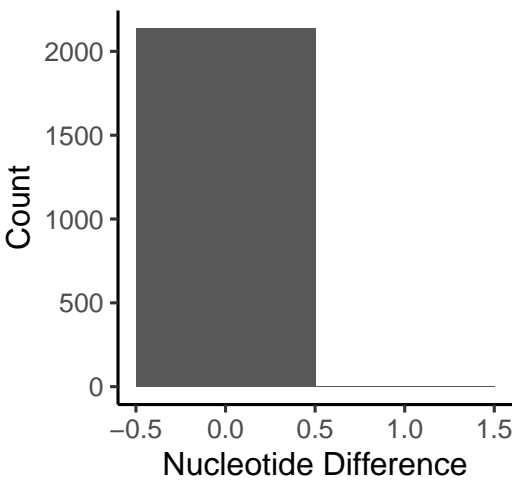
TRBV7-8\*ap03

1833 sequences assigned  
1356 (74%) exact matches, in which:  
1356 unique CDR3  
13 unique J



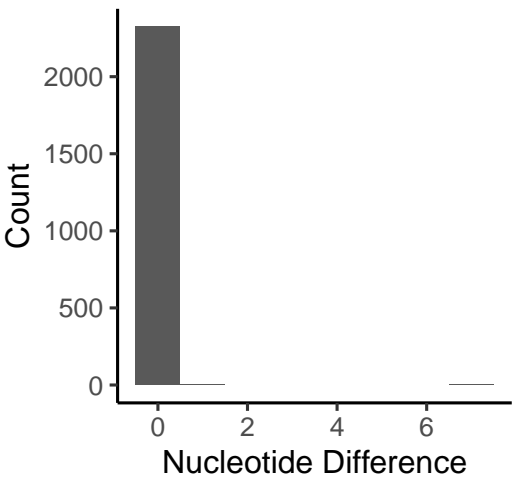
TRBV29-1\*ap02

2140 sequences assigned  
2137 (99.9%) exact matches, in which:  
2129 unique CDR3  
13 unique J



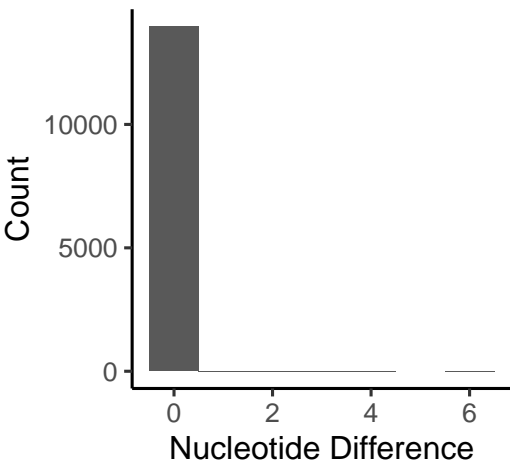
TRBV7-7\*ap01

2328 sequences assigned  
2324 (99.8%) exact matches, in which:  
2324 unique CDR3  
13 unique J



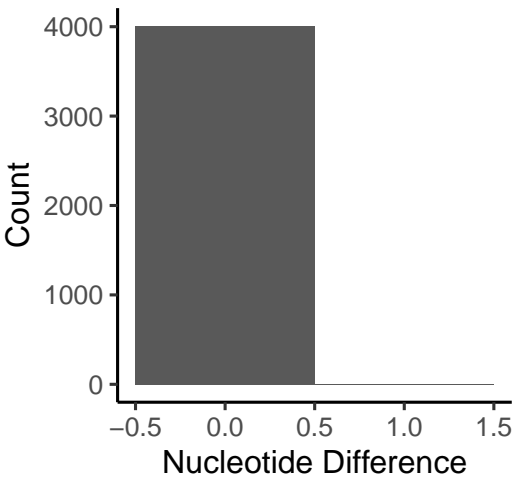
TRBV7-9\*ap01

13992 sequences assigned  
13968 (99.8%) exact matches, in which:  
13968 unique CDR3  
13 unique J



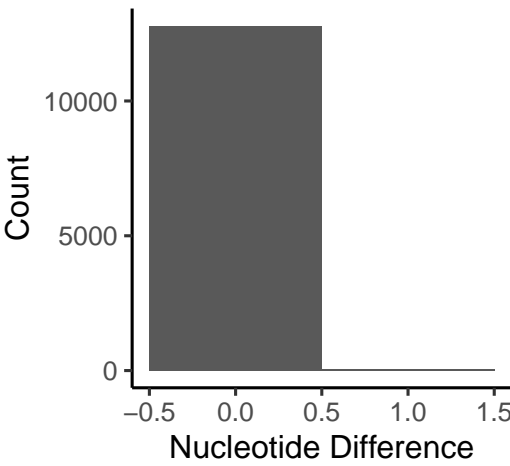
TRBV7-8\*ap01

4011 sequences assigned  
4007 (99.9%) exact matches, in which:  
4006 unique CDR3  
13 unique J

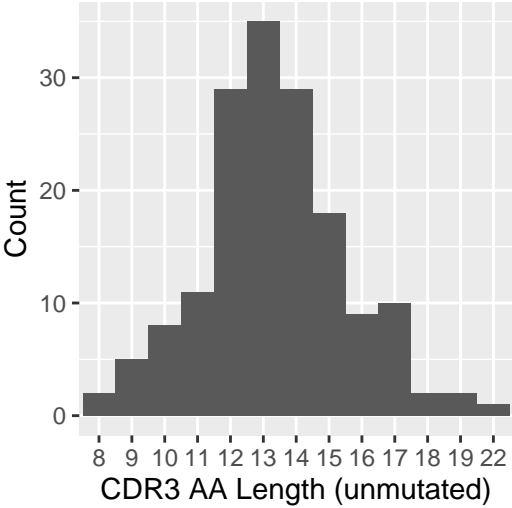


TRBV29-1\*ap01

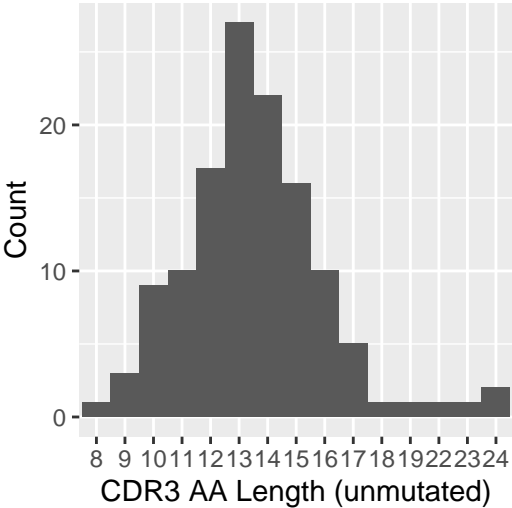
12832 sequences assigned  
12788 (99.7%) exact matches, in which:  
12751 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C





[illegible]