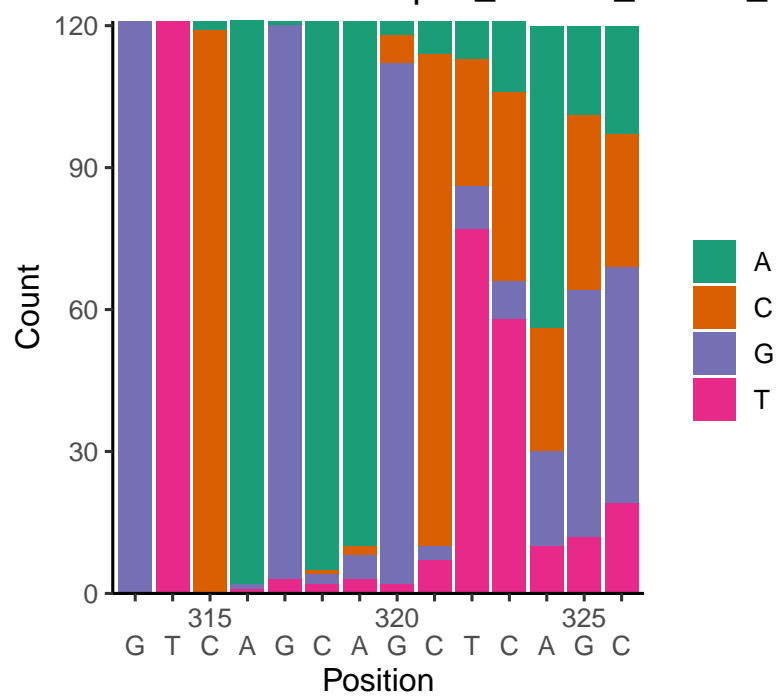
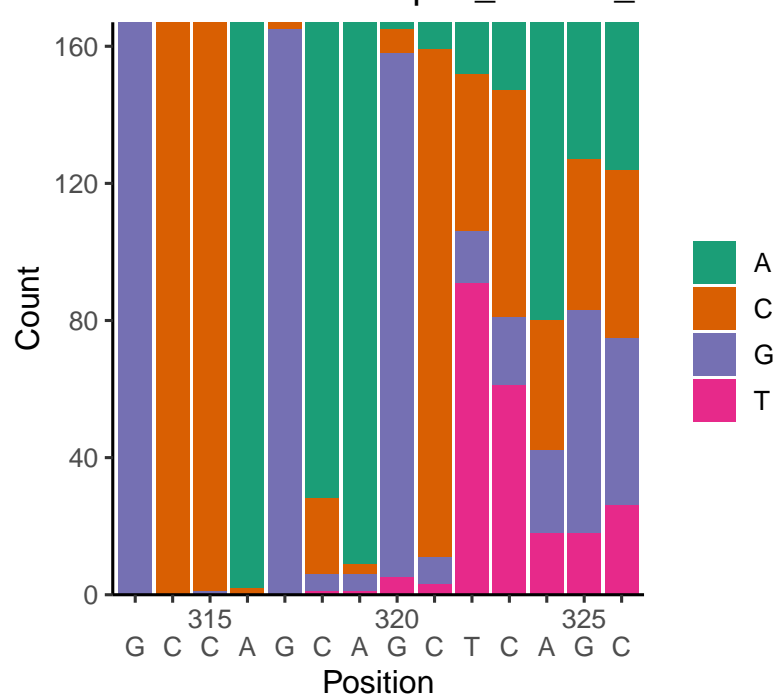


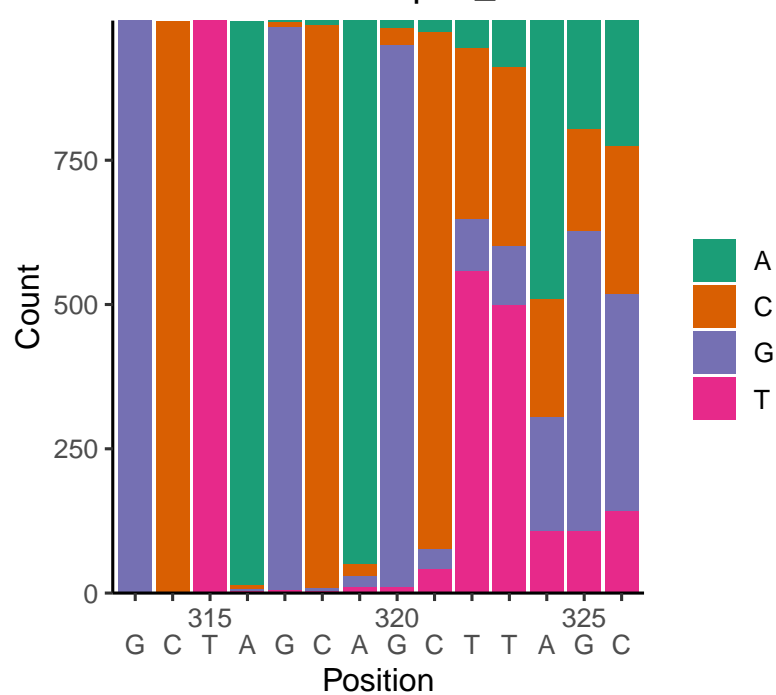
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



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



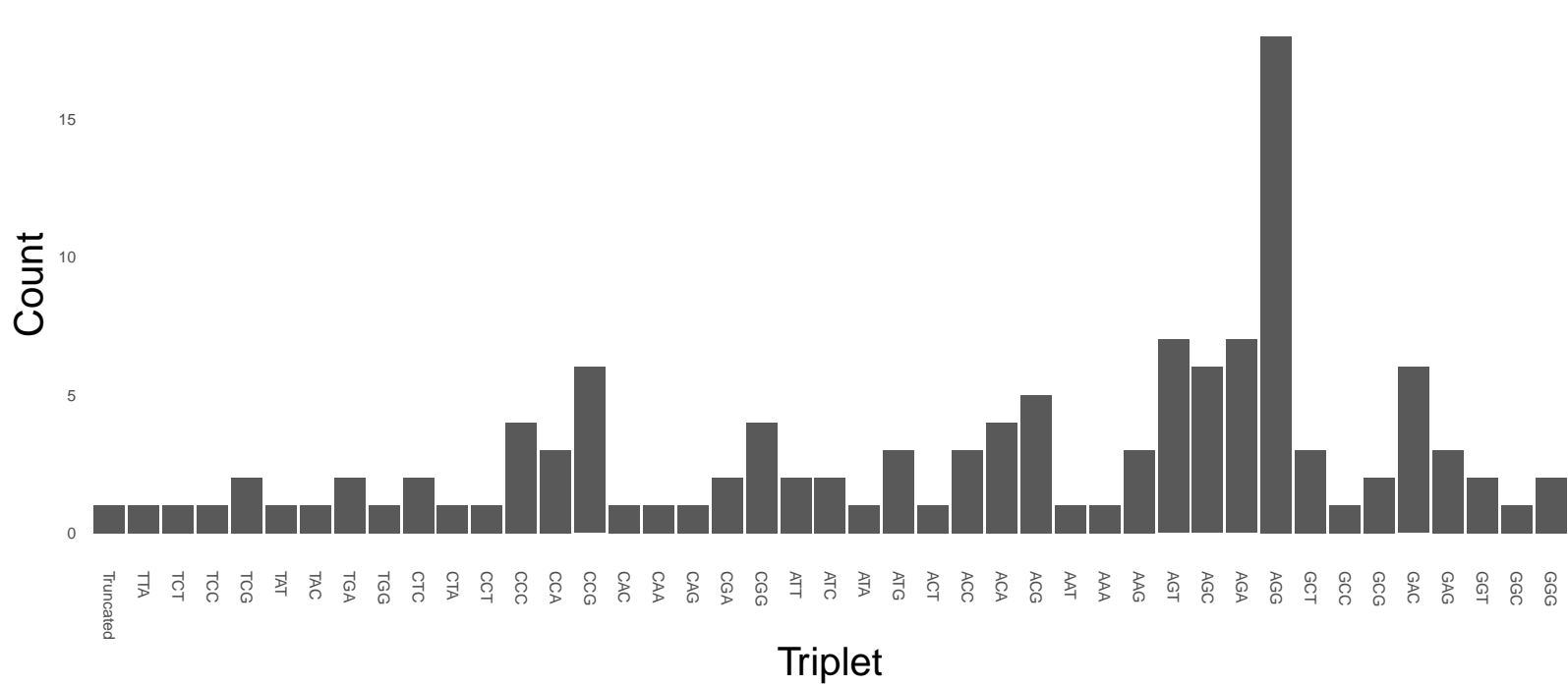
Gene TRBV7-1\*ap01\_G291C\_T296C



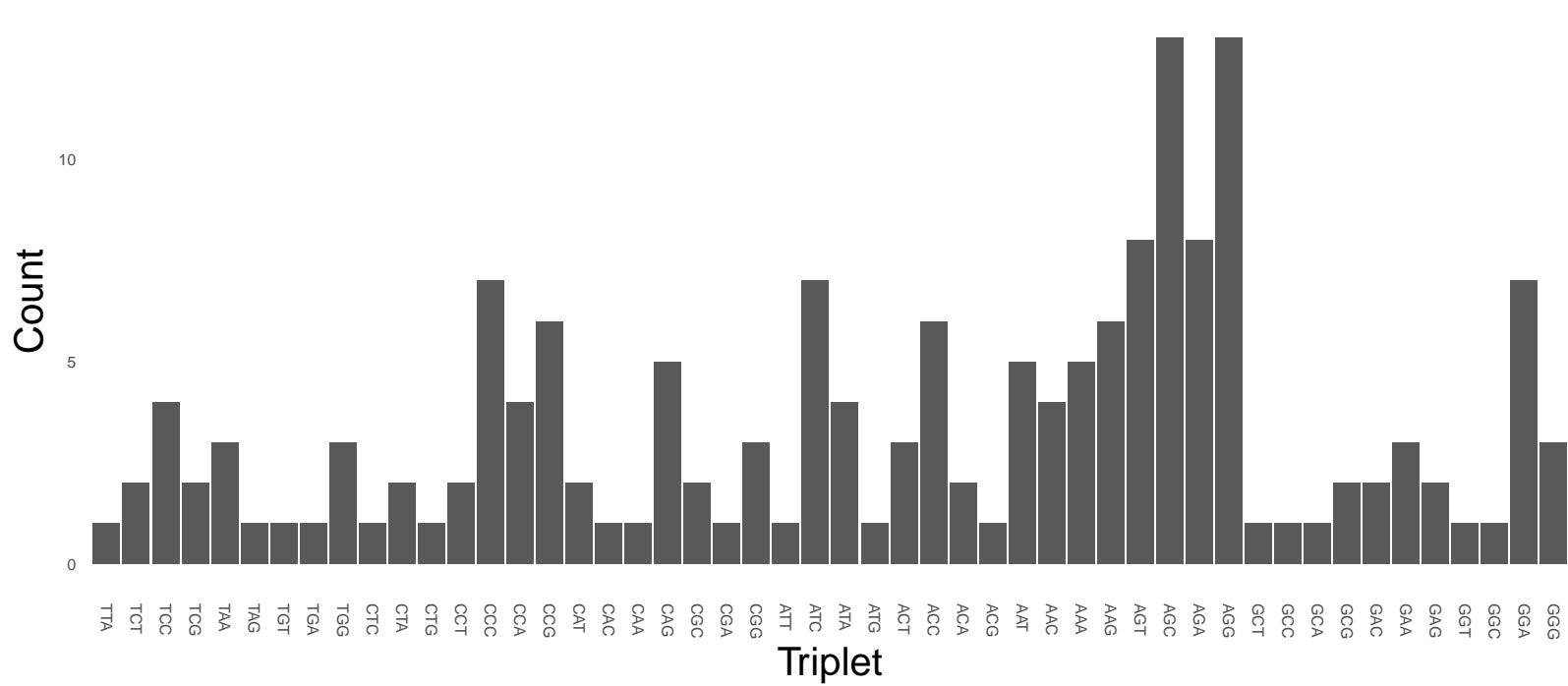
Gene TRBV7-7\*ap01\_C315T



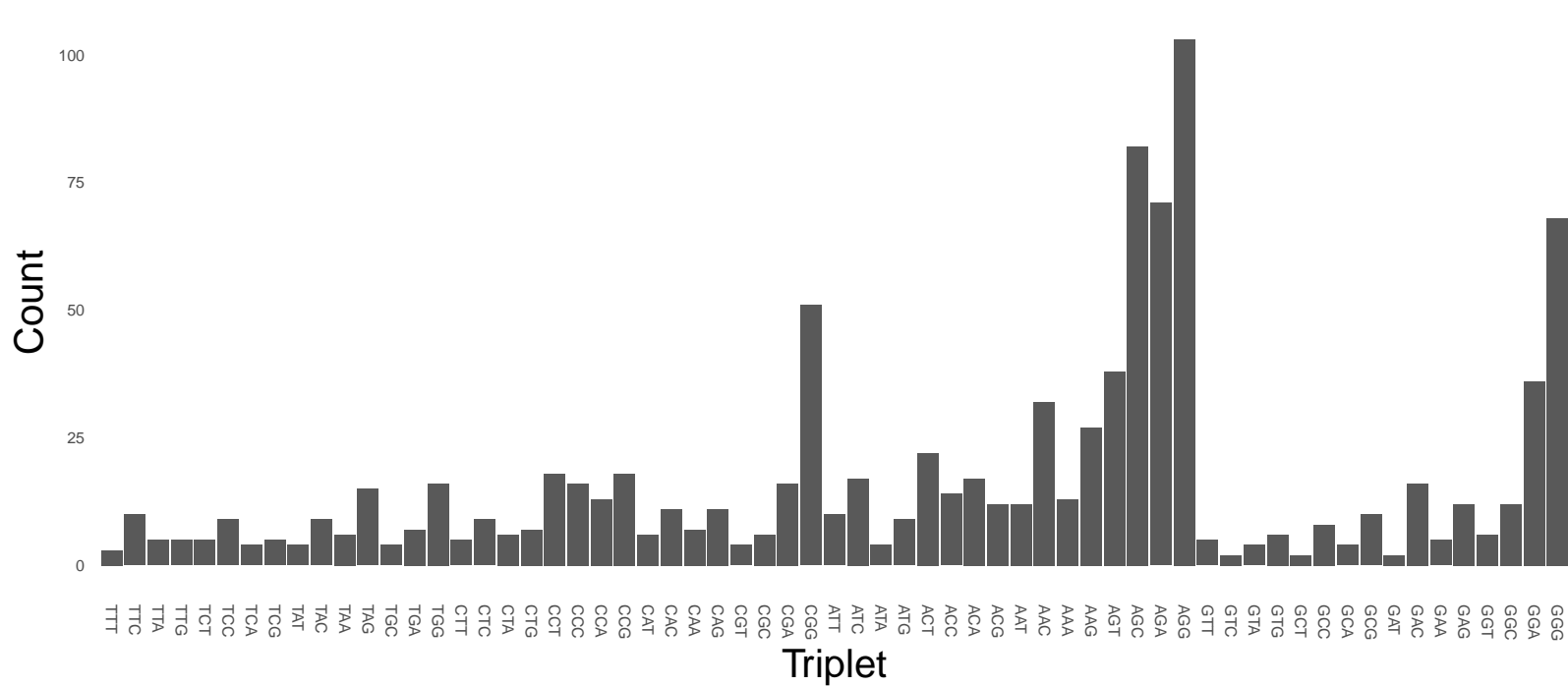
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

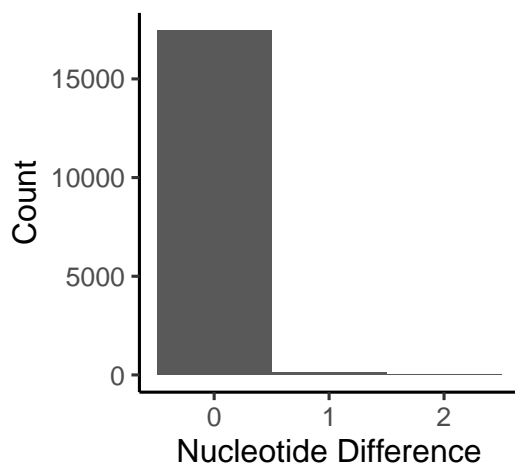


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



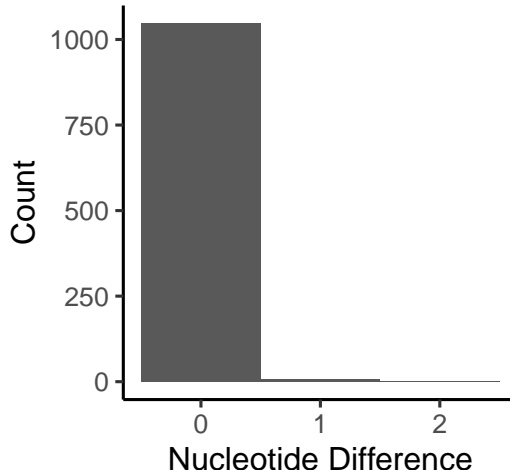
### TRBV20-1\*ap01

17589 sequences assigned  
17470 (99.3%) exact matches, in which:  
17289 unique CDR3  
13 unique J



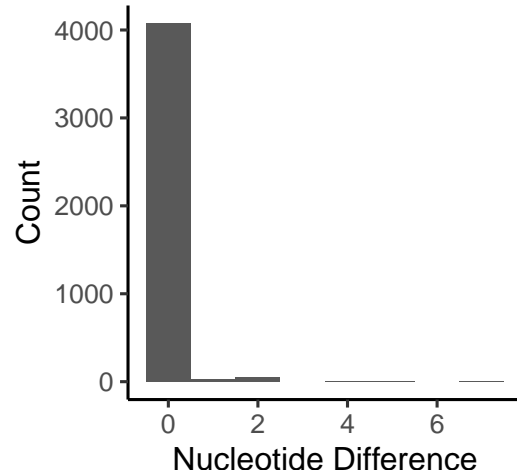
### TRBV10-2\*ap01

1054 sequences assigned  
1047 (99.3%) exact matches, in which:  
1023 unique CDR3  
13 unique J



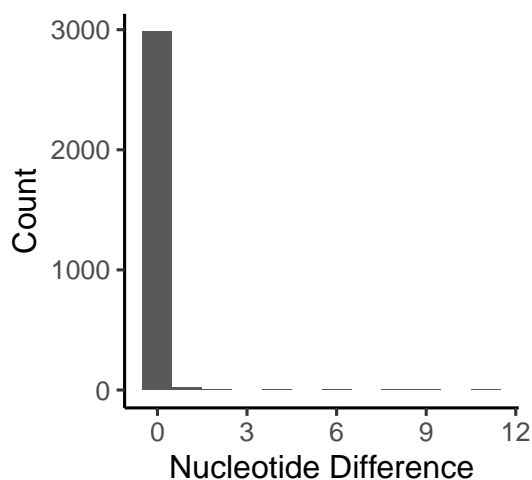
### TRBV13\*ap01

4162 sequences assigned  
4075 (97.9%) exact matches, in which:  
3958 unique CDR3  
14 unique J



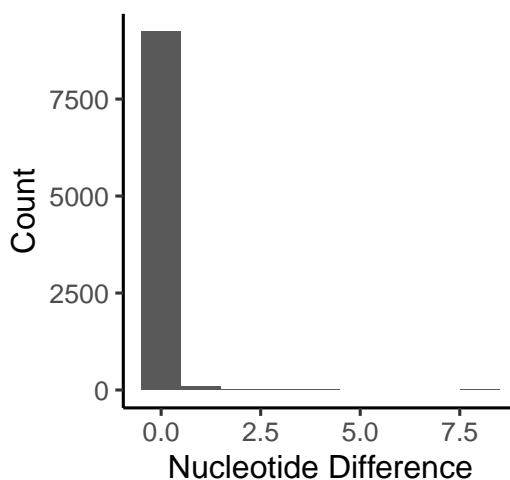
### TRBV10-1\*ap01

3012 sequences assigned  
2983 (99%) exact matches, in which:  
2930 unique CDR3  
13 unique J



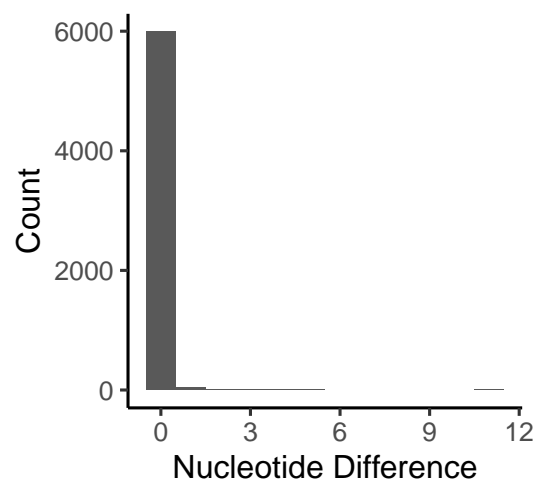
### TRBV10-3\*ap01

9330 sequences assigned  
9237 (99%) exact matches, in which:  
9078 unique CDR3  
13 unique J



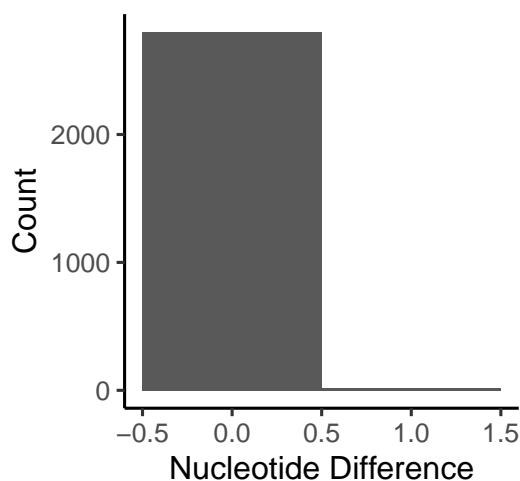
### TRBV14\*ap01

6036 sequences assigned  
5991 (99.3%) exact matches, in which:  
5915 unique CDR3  
13 unique J



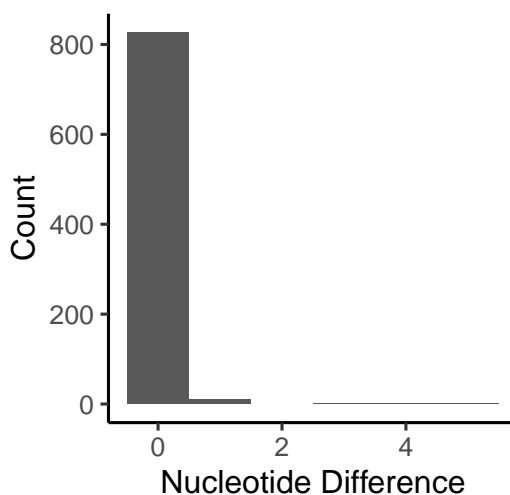
### TRBV20-1\*ap02

2821 sequences assigned  
2801 (99.3%) exact matches, in which:  
2777 unique CDR3  
13 unique J



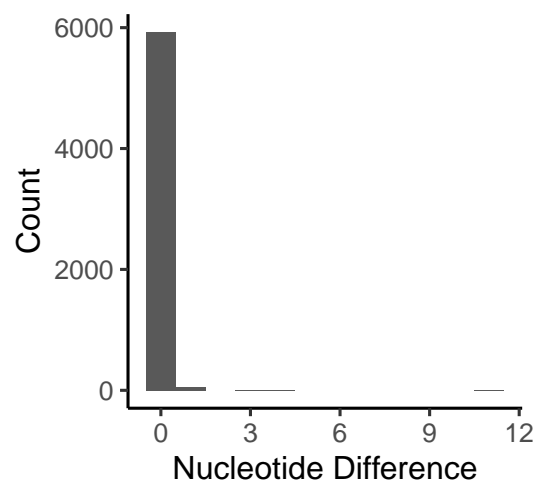
### TRBV1\*ap01

842 sequences assigned  
827 (98.2%) exact matches, in which:  
800 unique CDR3  
13 unique J



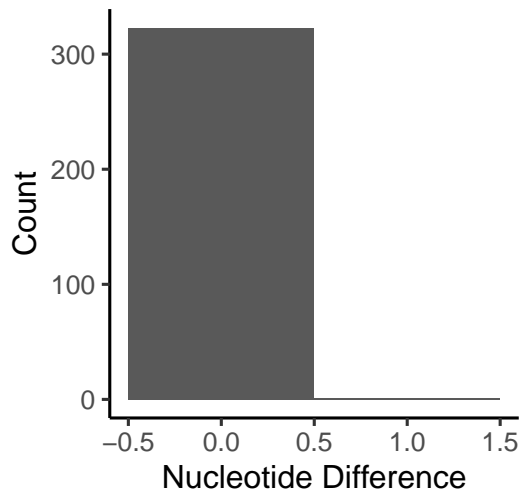
### TRBV15\*ap02

5985 sequences assigned  
5927 (99%) exact matches, in which:  
5829 unique CDR3  
13 unique J



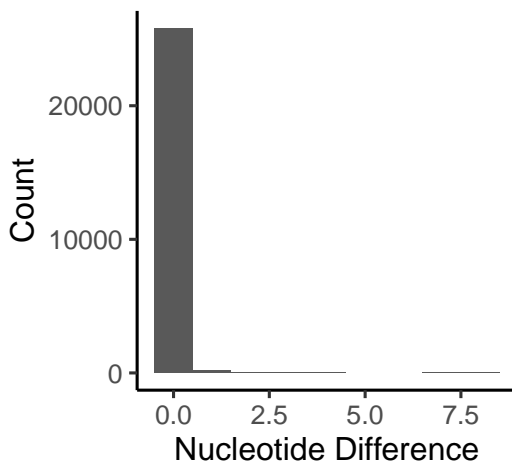
### TRBV16\*ap01

324 sequences assigned  
323 (99.7%) exact matches, in which:  
323 unique CDR3  
13 unique J



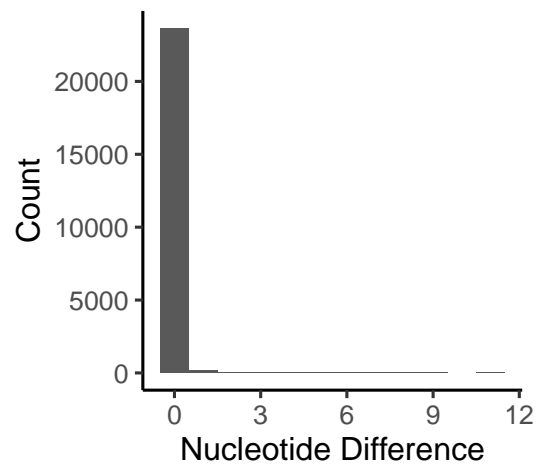
### TRBV19\*ap01

25984 sequences assigned  
25808 (99.3%) exact matches, in which:  
25645 unique CDR3  
13 unique J



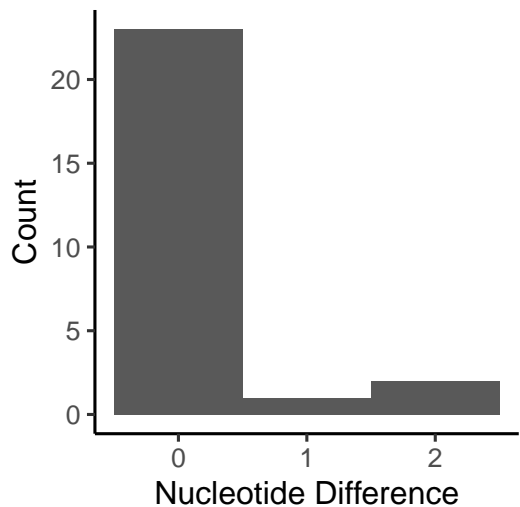
### TRBV27\*ap01

23888 sequences assigned  
23653 (99%) exact matches, in which:  
23258 unique CDR3  
13 unique J



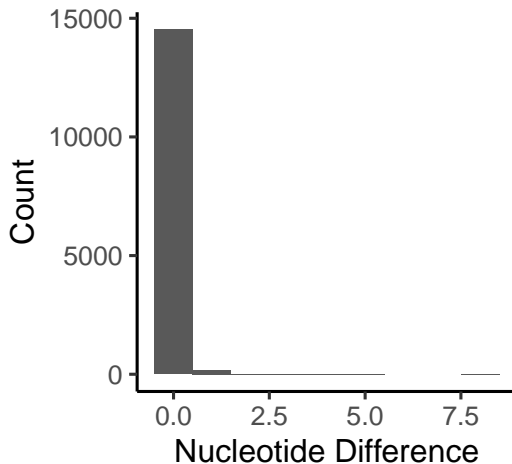
### TRBV17\*ap01

26 sequences assigned  
23 (88.5%) exact matches, in which:  
23 unique CDR3  
9 unique J



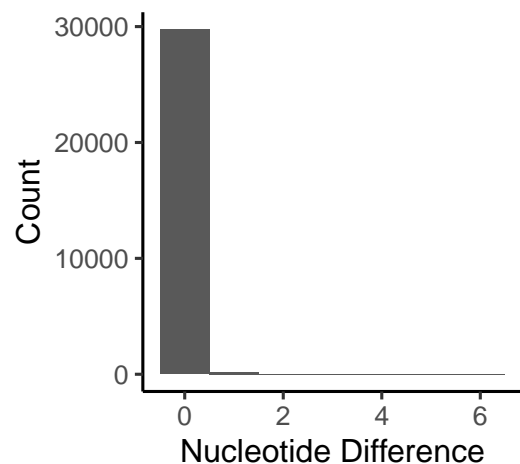
### TRBV2\*ap01

14734 sequences assigned  
14528 (98.6%) exact matches, in which:  
14193 unique CDR3  
13 unique J



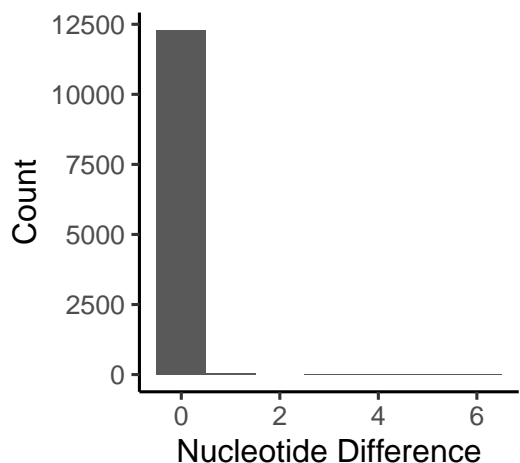
### TRBV28\*ap01

29949 sequences assigned  
29753 (99.3%) exact matches, in which:  
29423 unique CDR3  
13 unique J



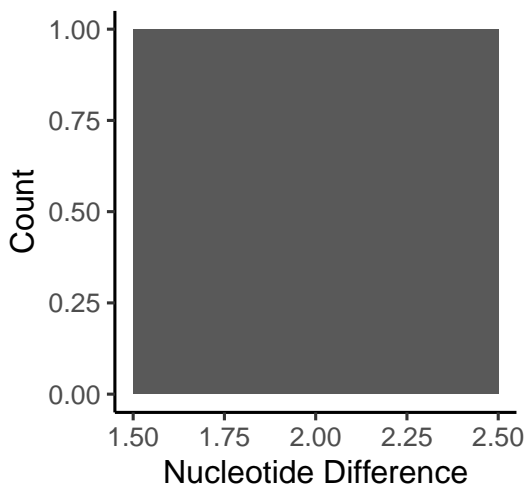
### TRBV18\*ap01

12361 sequences assigned  
12303 (99.5%) exact matches, in which:  
12186 unique CDR3  
13 unique J



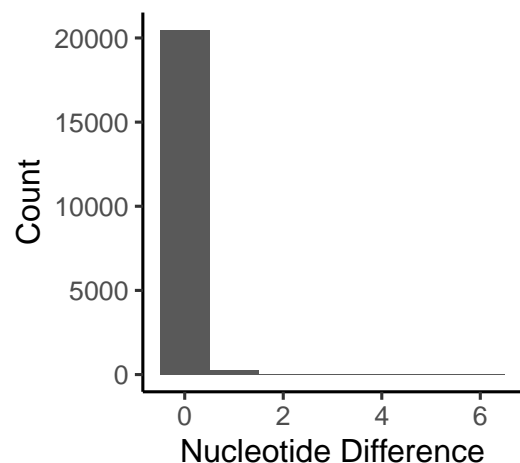
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



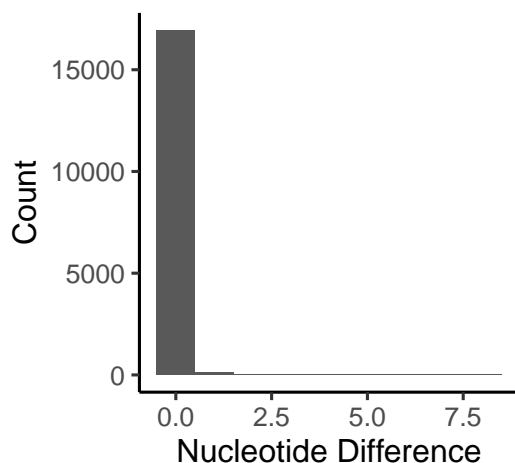
### TRBV30\*ap01

20788 sequences assigned  
20485 (98.5%) exact matches, in which:  
20127 unique CDR3  
13 unique J



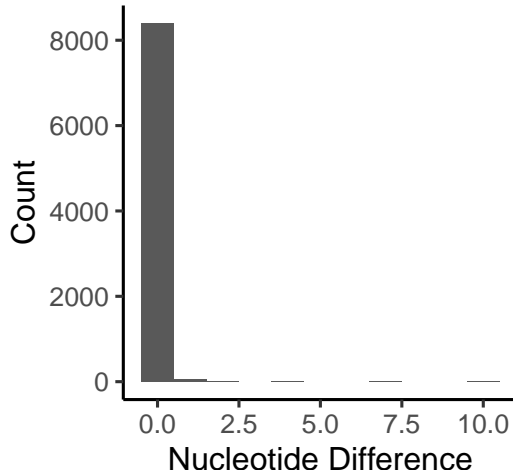
### TRBV9\*ap01

17076 sequences assigned  
16945 (99.2%) exact matches, in which:  
16746 unique CDR3  
13 unique J



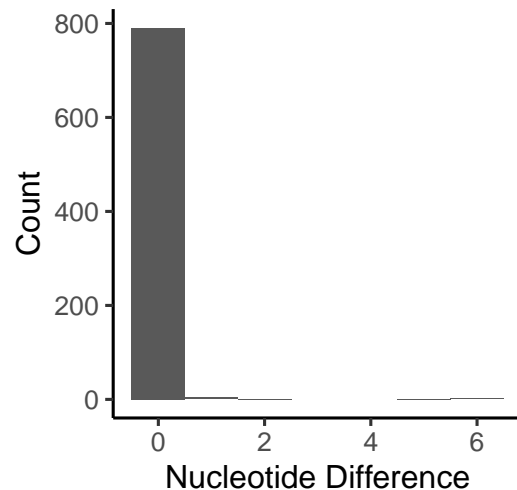
### TRBV11-2\*ap01

8454 sequences assigned  
8394 (99.3%) exact matches, in which:  
8276 unique CDR3  
13 unique J



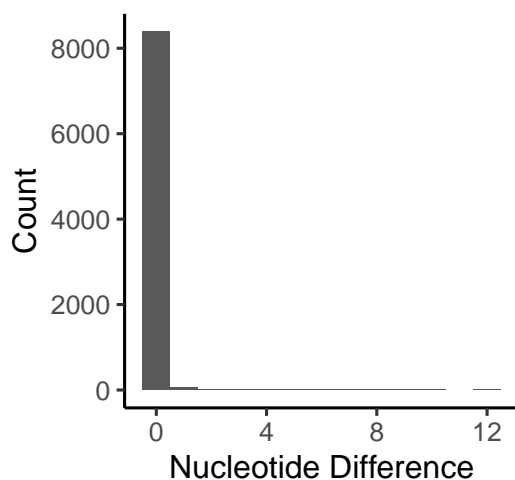
### TRBV12-2\*ap01

799 sequences assigned  
791 (99%) exact matches, in which:  
778 unique CDR3  
13 unique J



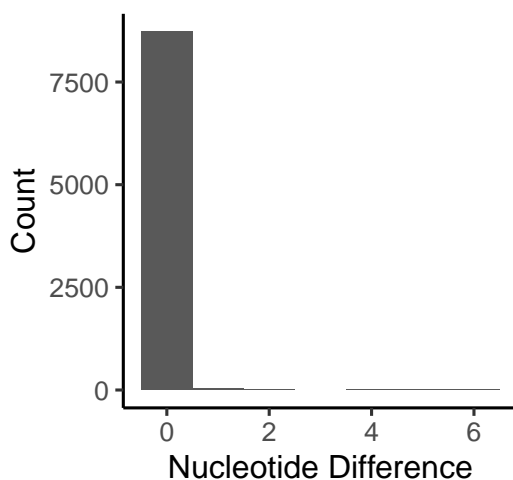
### TRBV21-1\*ap01

8505 sequences assigned  
8387 (98.6%) exact matches, in which:  
8296 unique CDR3  
13 unique J



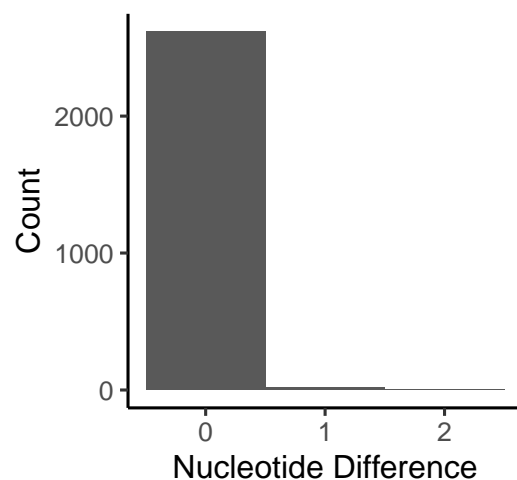
### TRBV11-3\*ap01

8774 sequences assigned  
8725 (99.4%) exact matches, in which:  
8618 unique CDR3  
13 unique J



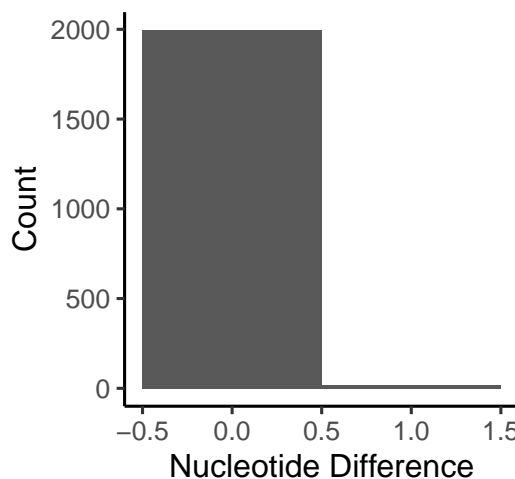
### TRBV12-5\*ap01

2637 sequences assigned  
2616 (99.2%) exact matches, in which:  
2585 unique CDR3  
13 unique J



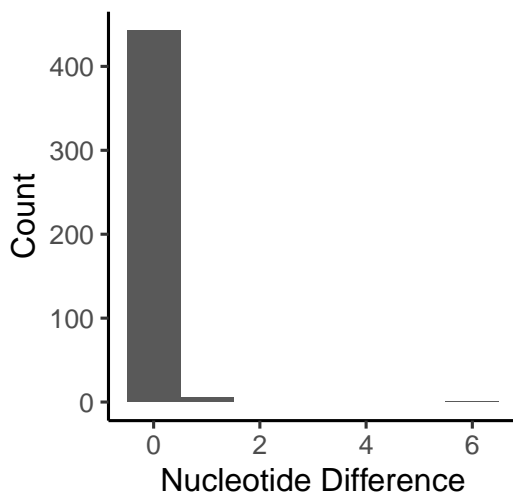
### TRBV11-1\*ap01

2015 sequences assigned  
1996 (99.1%) exact matches, in which:  
1965 unique CDR3  
13 unique J



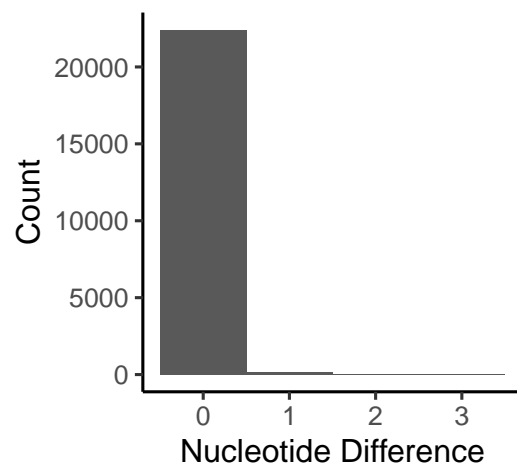
### TRBV12-1\*ap01

449 sequences assigned  
443 (98.7%) exact matches, in which:  
438 unique CDR3  
13 unique J



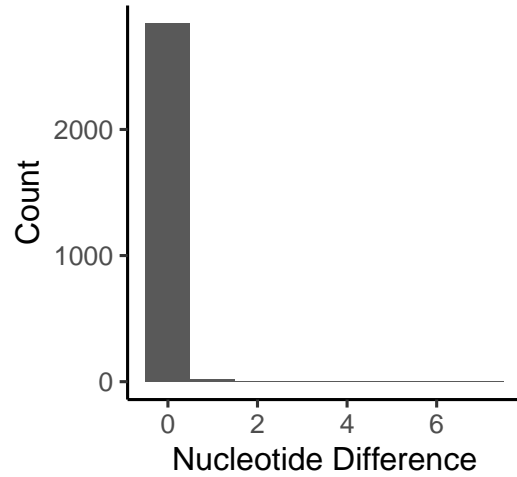
### TRBV12-34\*ap01

22580 sequences assigned  
22416 (99.3%) exact matches, in which:  
22065 unique CDR3  
13 unique J



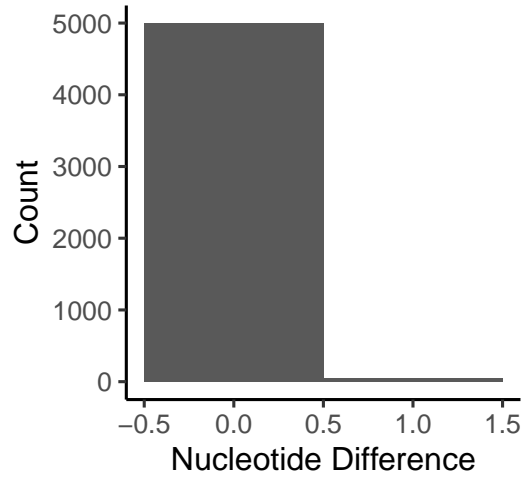
### TRBV23-1\*ap01

2876 sequences assigned  
2841 (98.8%) exact matches, in which:  
2794 unique CDR3  
13 unique J



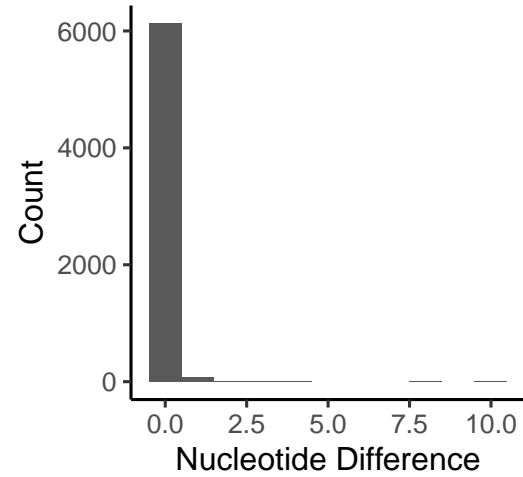
### TRBV4-1\*ap01

5044 sequences assigned  
4995 (99%) exact matches, in which:  
4887 unique CDR3  
13 unique J



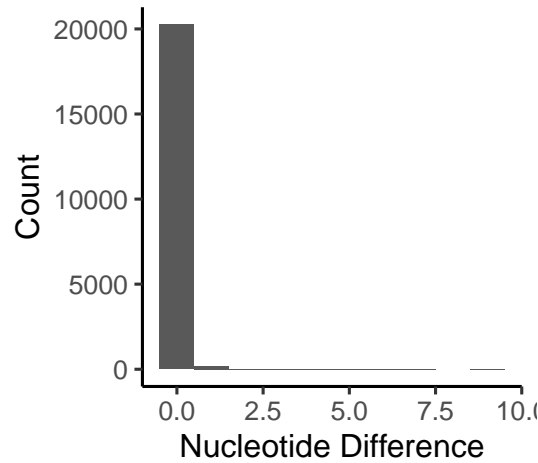
### TRBV25-1\*ap01

6210 sequences assigned  
6129 (98.7%) exact matches, in which:  
5992 unique CDR3  
13 unique J



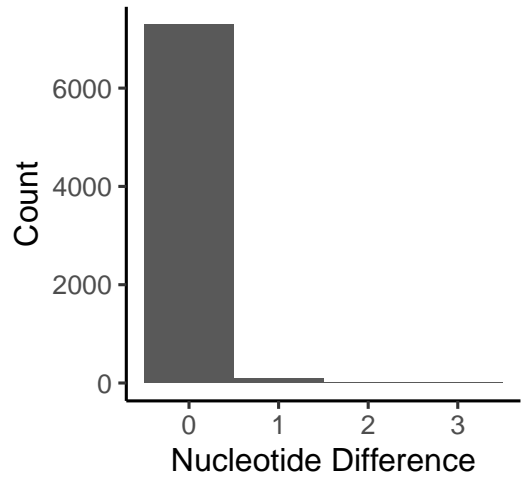
### TRBV3-12\*ap01

20462 sequences assigned  
20262 (99%) exact matches, in which:  
19941 unique CDR3  
13 unique J



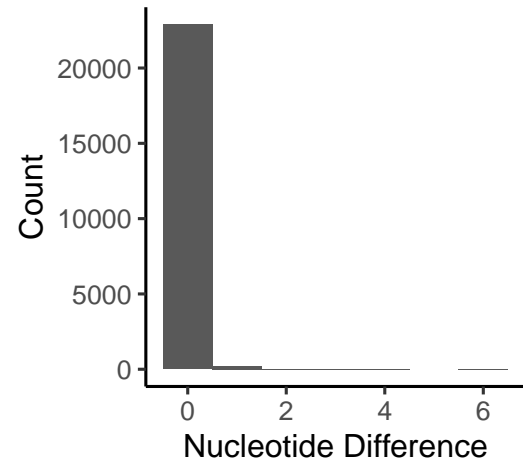
### TRBV4-2\*ap01

7381 sequences assigned  
7290 (98.8%) exact matches, in which:  
7159 unique CDR3  
13 unique J



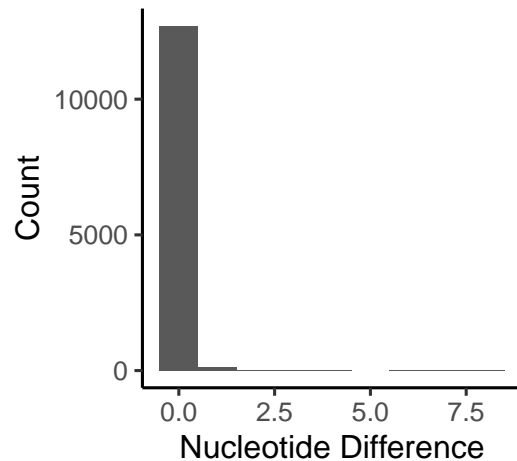
### TRBV5-1\*ap01

23114 sequences assigned  
22892 (99%) exact matches, in which:  
22430 unique CDR3  
13 unique J



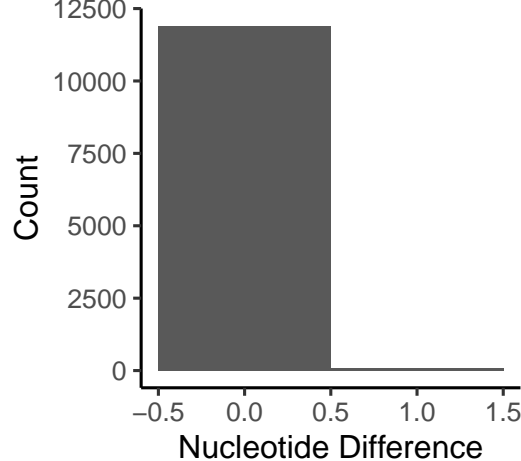
### TRBV24-1\*ap01

12860 sequences assigned  
12704 (98.8%) exact matches, in which:  
12482 unique CDR3  
13 unique J



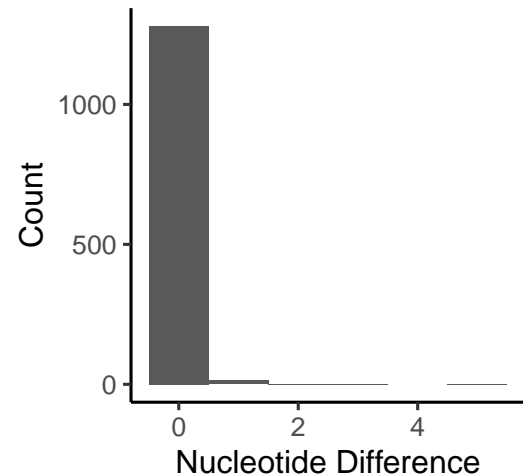
### TRBV4-3\*ap01

12007 sequences assigned  
11905 (99.2%) exact matches, in which:  
11689 unique CDR3  
13 unique J



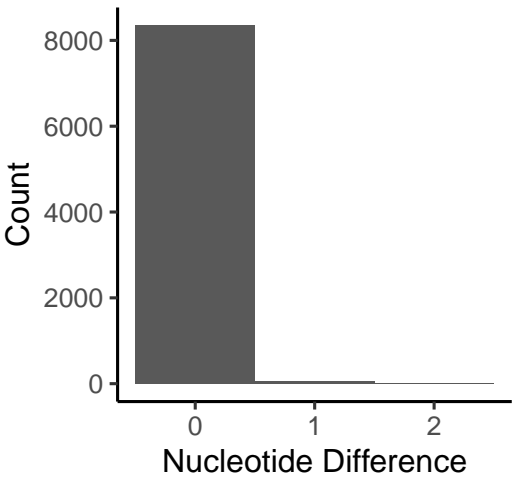
### TRBV5-3\*ap01

1298 sequences assigned  
1280 (98.6%) exact matches, in which:  
1272 unique CDR3  
13 unique J



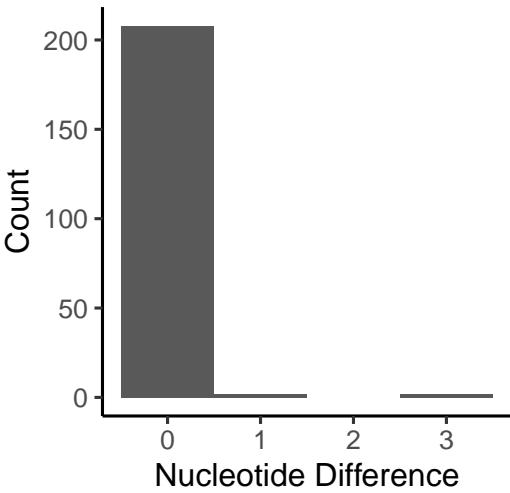
TRBV5-4\*ap01

8415 sequences assigned  
8349 (99.2%) exact matches, in which:  
8184 unique CDR3  
13 unique J



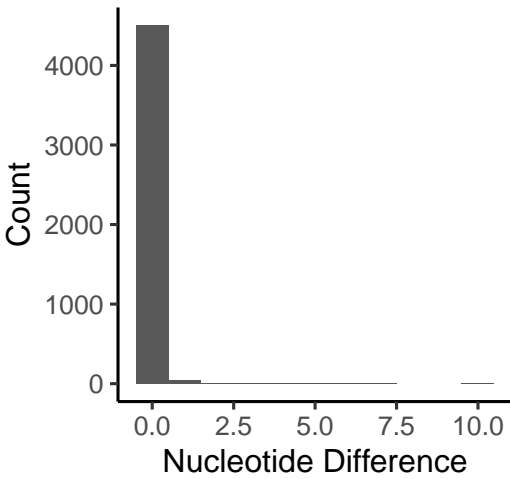
TRBV5-7\*ap01

212 sequences assigned  
208 (98.1%) exact matches, in which:  
206 unique CDR3  
13 unique J



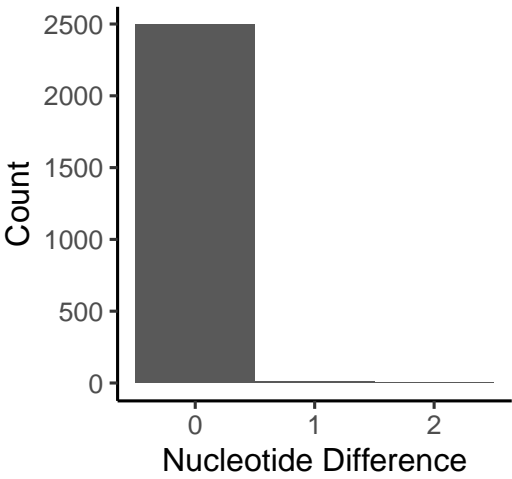
TRBV6-4\*ap01

4563 sequences assigned  
4503 (98.7%) exact matches, in which:  
4441 unique CDR3  
13 unique J



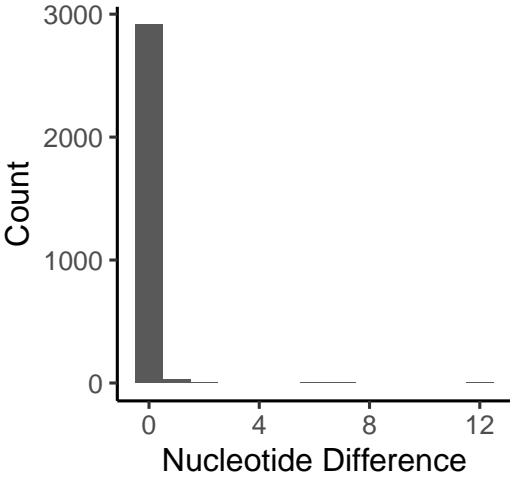
TRBV5-5\*ap01

2509 sequences assigned  
2495 (99.4%) exact matches, in which:  
2473 unique CDR3  
13 unique J



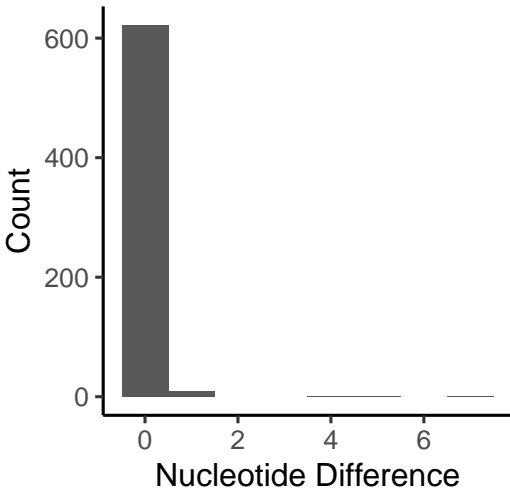
TRBV5-8\*ap01

2953 sequences assigned  
2914 (98.7%) exact matches, in which:  
2888 unique CDR3  
13 unique J



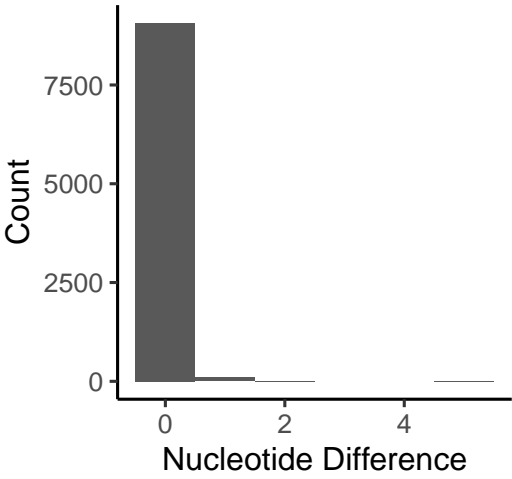
TRBV6-7\*ap01

634 sequences assigned  
622 (98.1%) exact matches, in which:  
611 unique CDR3  
13 unique J



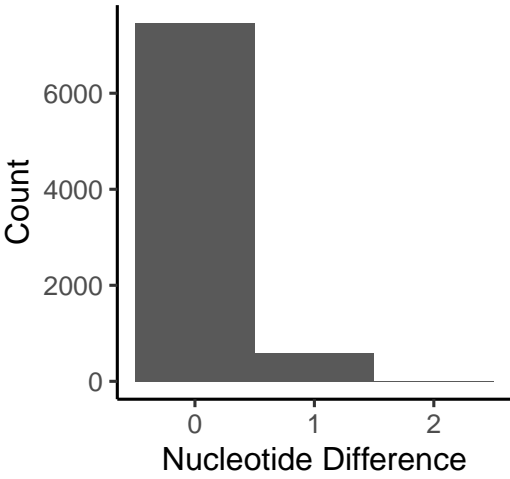
TRBV5-6\*ap01

9164 sequences assigned  
9067 (98.9%) exact matches, in which:  
8845 unique CDR3  
13 unique J



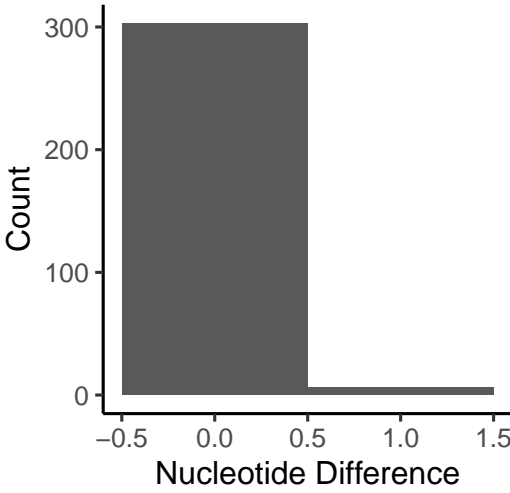
TRBV6-1\*ap01

8050 sequences assigned  
7462 (92.7%) exact matches, in which:  
7333 unique CDR3  
13 unique J



TRBV6-8\*ap01

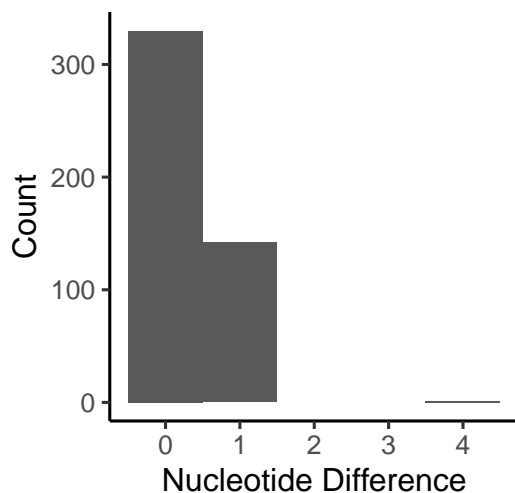
309 sequences assigned  
303 (98.1%) exact matches, in which:  
297 unique CDR3  
13 unique J





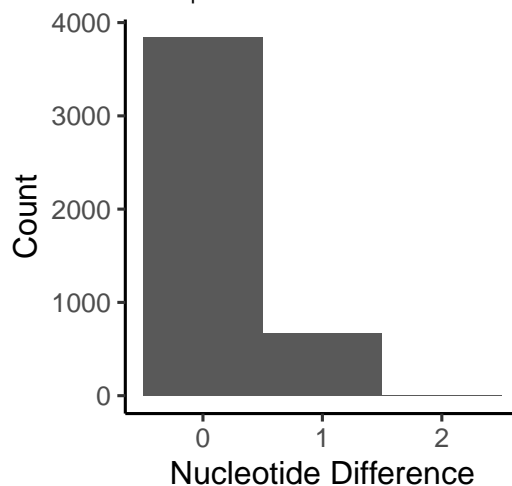
### TRBV6-9\*ap01

473 sequences assigned  
330 (69.8%) exact matches, in which:  
325 unique CDR3  
13 unique J



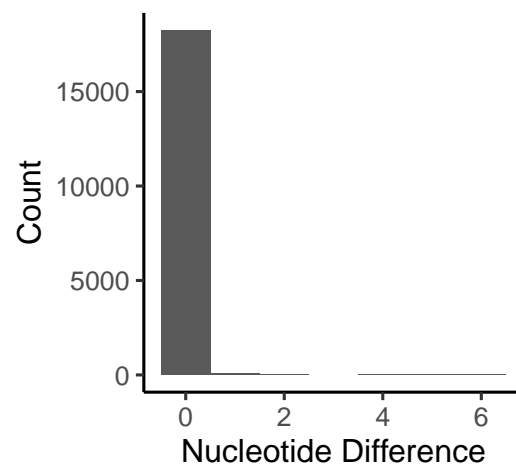
### TRBV6-56\*ap02

4509 sequences assigned  
3841 (85.2%) exact matches, in which:  
3746 unique CDR3  
13 unique J



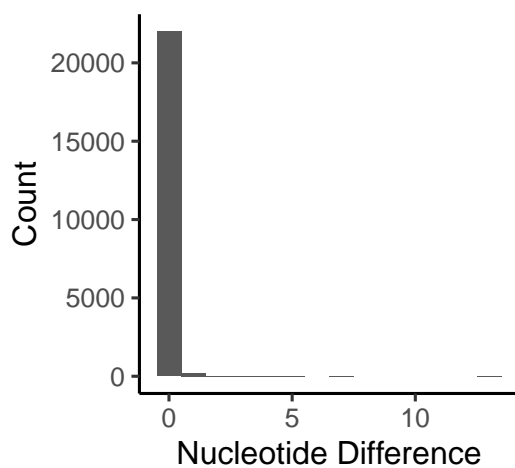
### TRBV7-2\*ap01

18350 sequences assigned  
18251 (99.5%) exact matches, in which:  
18028 unique CDR3  
13 unique J



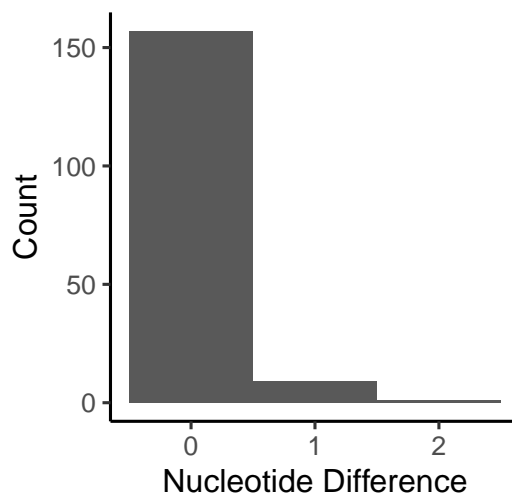
### TRBV6-23\*ap01

22211 sequences assigned  
22003 (99.1%) exact matches, in which:  
21435 unique CDR3  
13 unique J



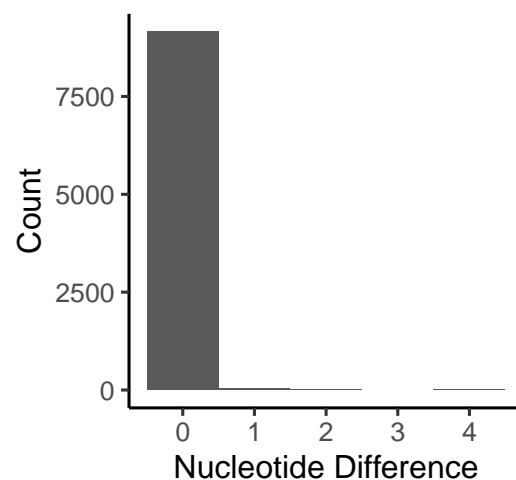
### TRBV7-1\*ap01\_G291C\_

167 sequences assigned  
157 (94%) exact matches, in which:  
157 unique CDR3  
12 unique J



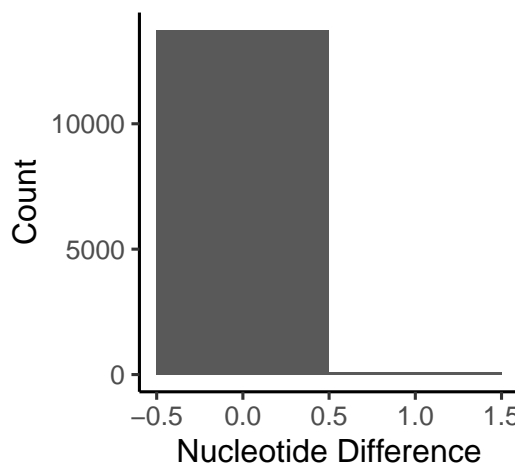
### TRBV7-3\*ap01

9204 sequences assigned  
9154 (99.5%) exact matches, in which:  
9064 unique CDR3  
13 unique J



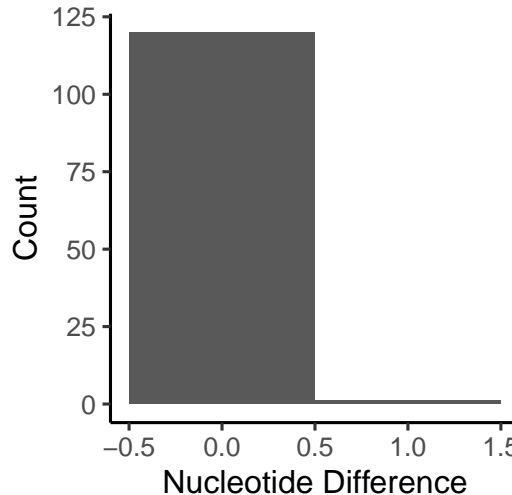
### TRBV6-56\*ap01

13866 sequences assigned  
13747 (99.1%) exact matches, in which:  
13431 unique CDR3  
13 unique J



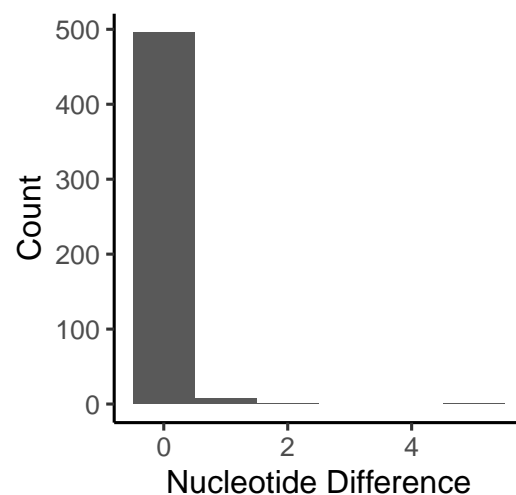
### TRBV7-1\*ap01\_G291C\_

121 sequences assigned  
120 (99.2%) exact matches, in which:  
117 unique CDR3  
13 unique J



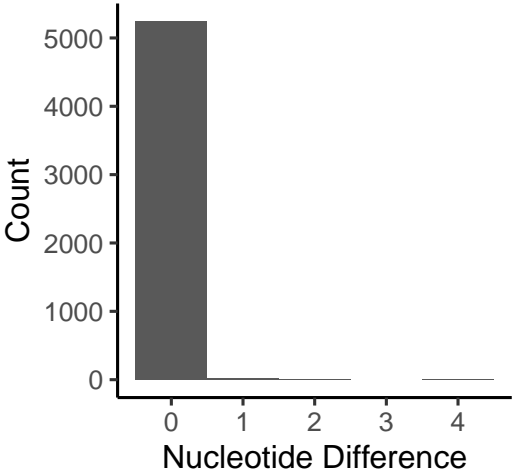
### TRBV7-4\*ap01

506 sequences assigned  
496 (98%) exact matches, in which:  
491 unique CDR3  
13 unique J



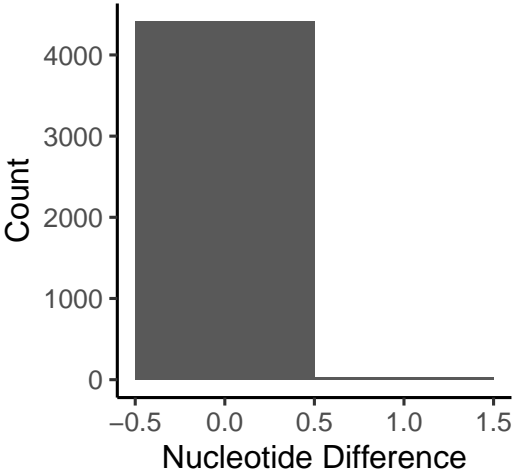
TRBV7-6\*ap01

5264 sequences assigned  
5242 (99.6%) exact matches, in which:  
5167 unique CDR3  
13 unique J



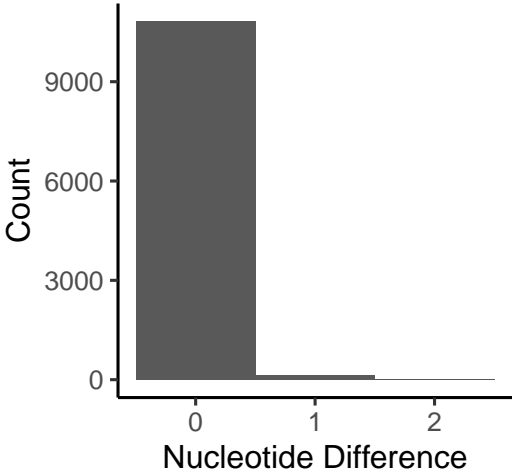
TRBV7-8\*ap01

4449 sequences assigned  
4413 (99.2%) exact matches, in which:  
4352 unique CDR3  
13 unique J



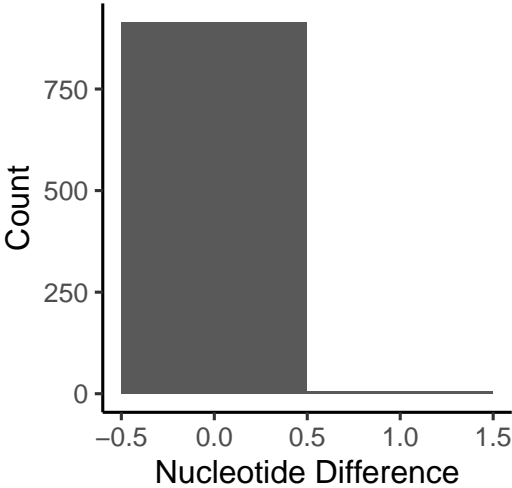
TRBV29-1\*ap01

10948 sequences assigned  
10821 (98.8%) exact matches, in which:  
10600 unique CDR3  
13 unique J



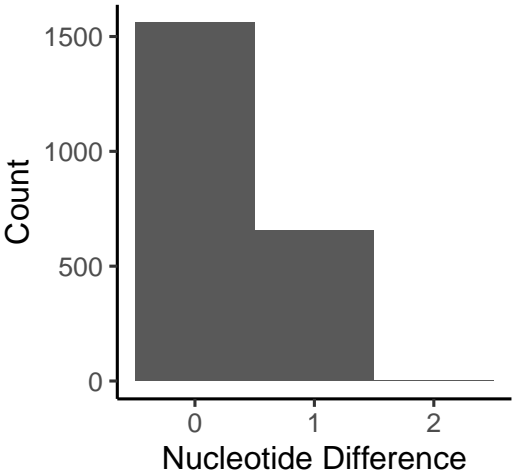
TRBV7-7\*ap01

920 sequences assigned  
915 (99.5%) exact matches, in which:  
906 unique CDR3  
13 unique J



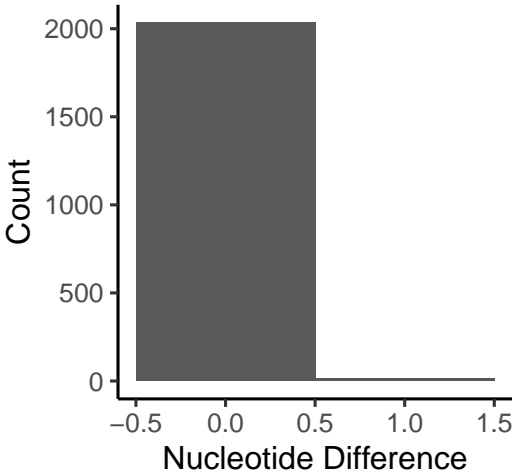
TRBV7-8\*ap03

2219 sequences assigned  
1560 (70.3%) exact matches, in which:  
1534 unique CDR3  
13 unique J



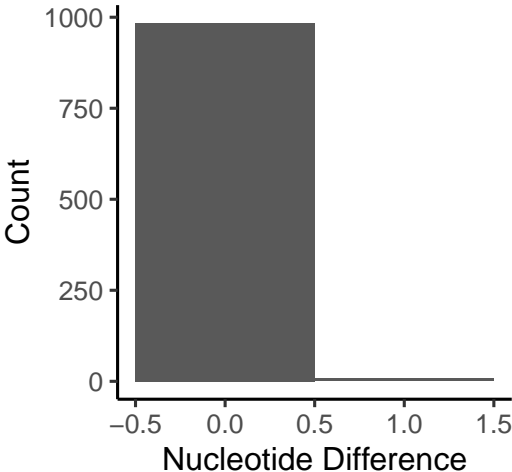
TRBV29-1\*ap02

2051 sequences assigned  
2034 (99.2%) exact matches, in which:  
1991 unique CDR3  
13 unique J



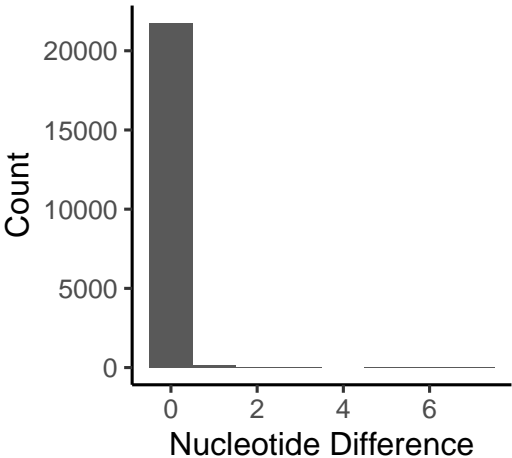
TRBV7-7\*ap01\_C315T

992 sequences assigned  
984 (99.2%) exact matches, in which:  
976 unique CDR3  
13 unique J

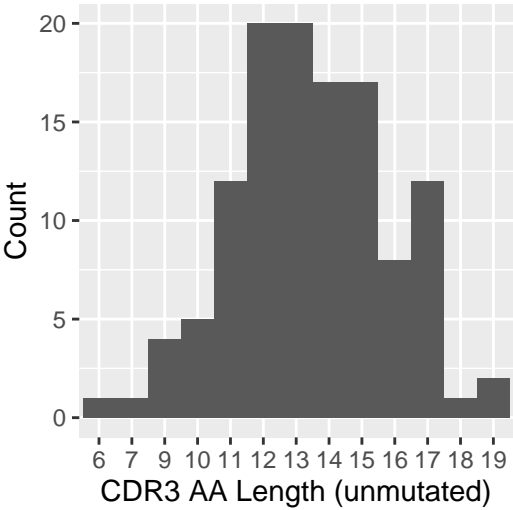


TRBV7-9\*ap01

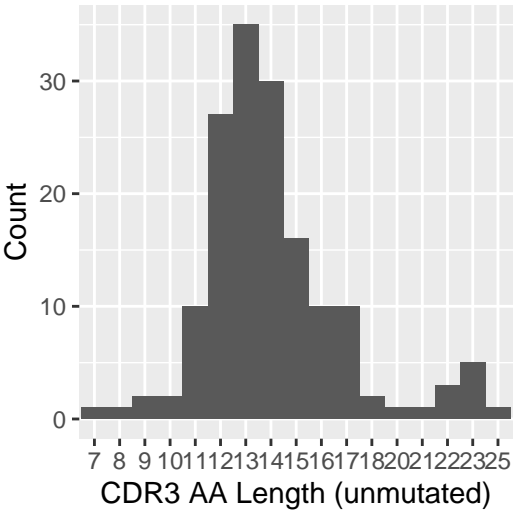
21912 sequences assigned  
21766 (99.3%) exact matches, in which:  
21538 unique CDR3  
13 unique J



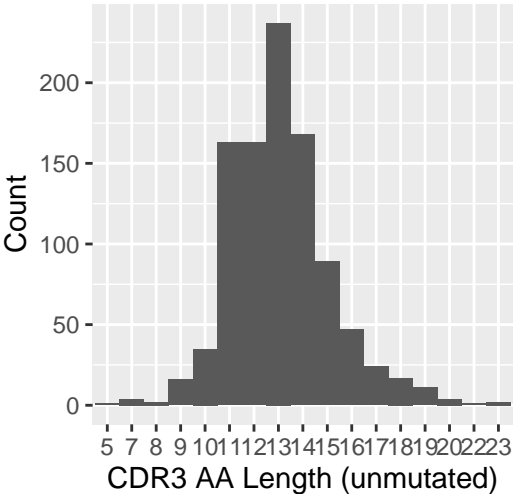
TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.