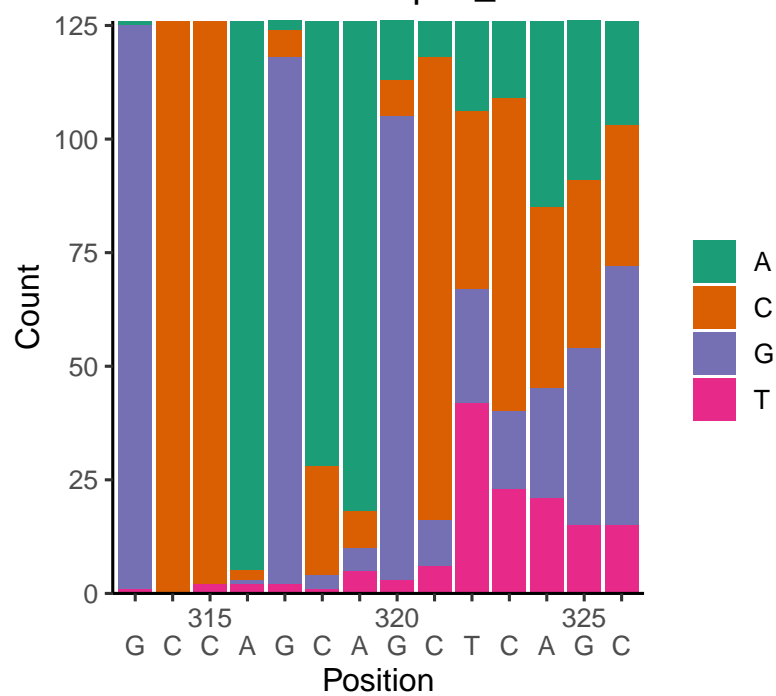
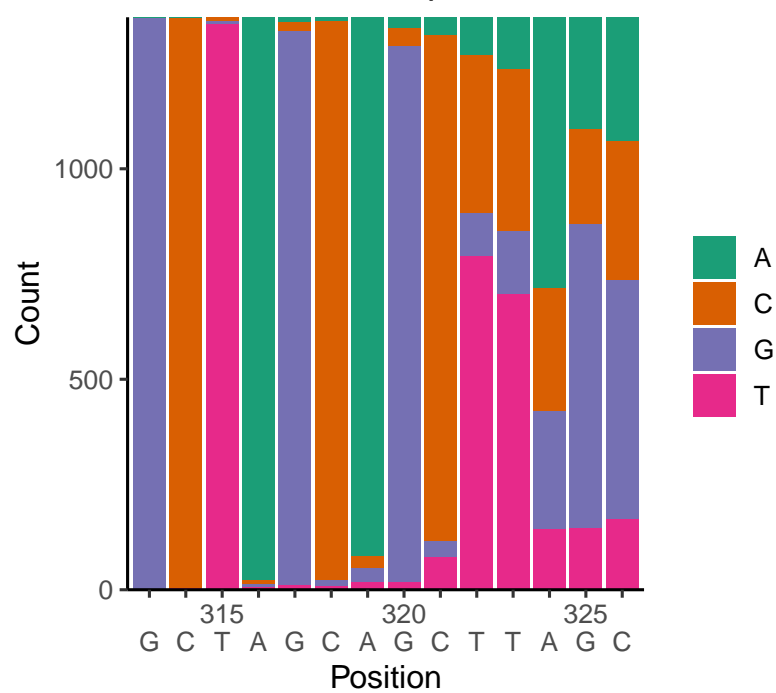


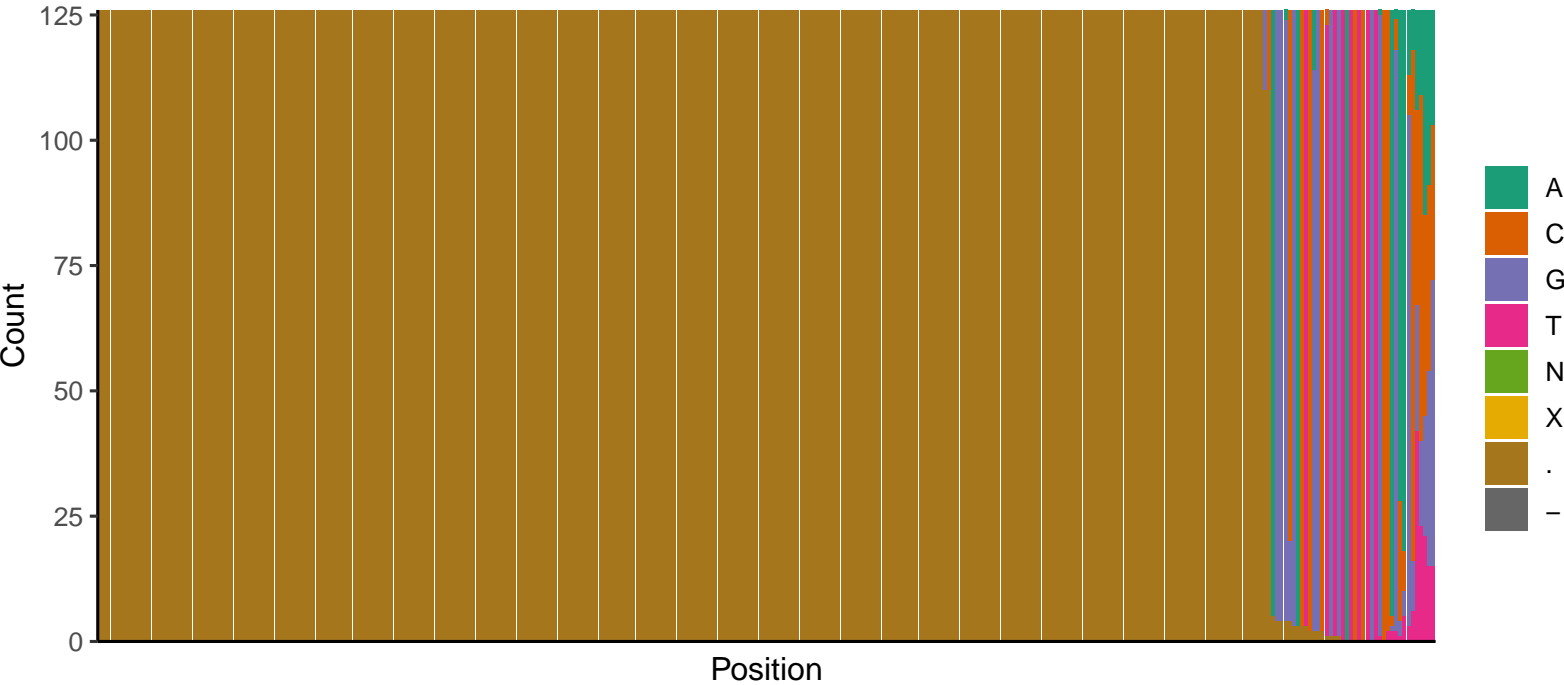
Gene TRBV7-1\*ap01\_T296C



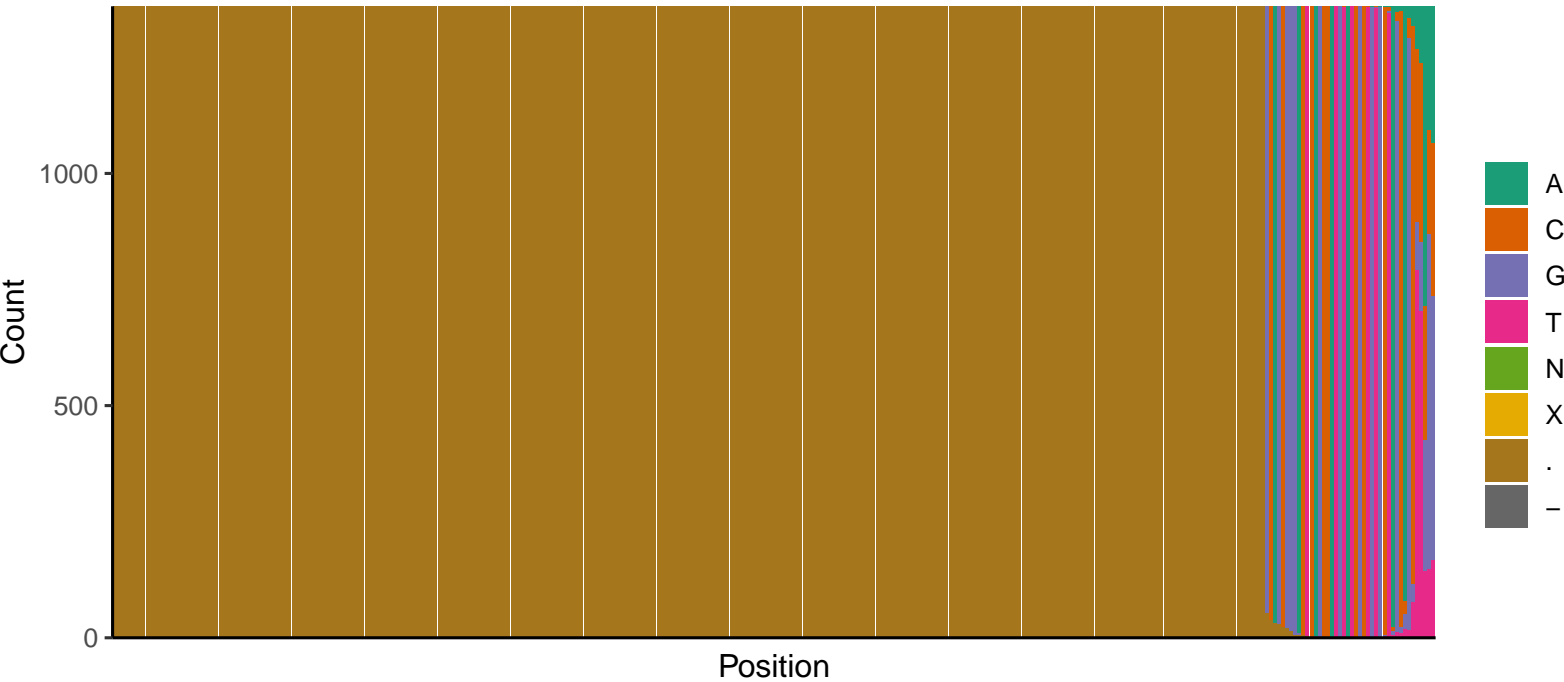
Gene TRBV7-7\*ap01\_C315T



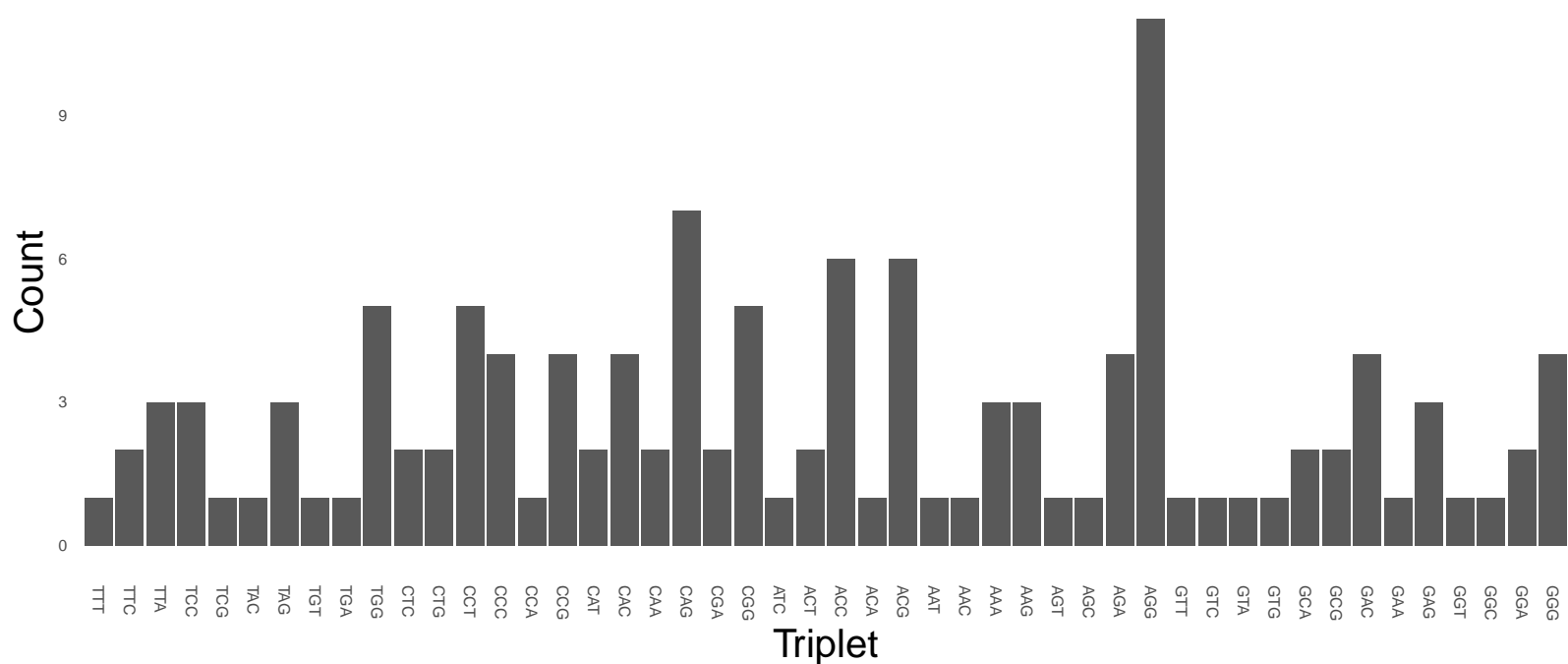
Gene TRBV7-1\*ap01\_T296C



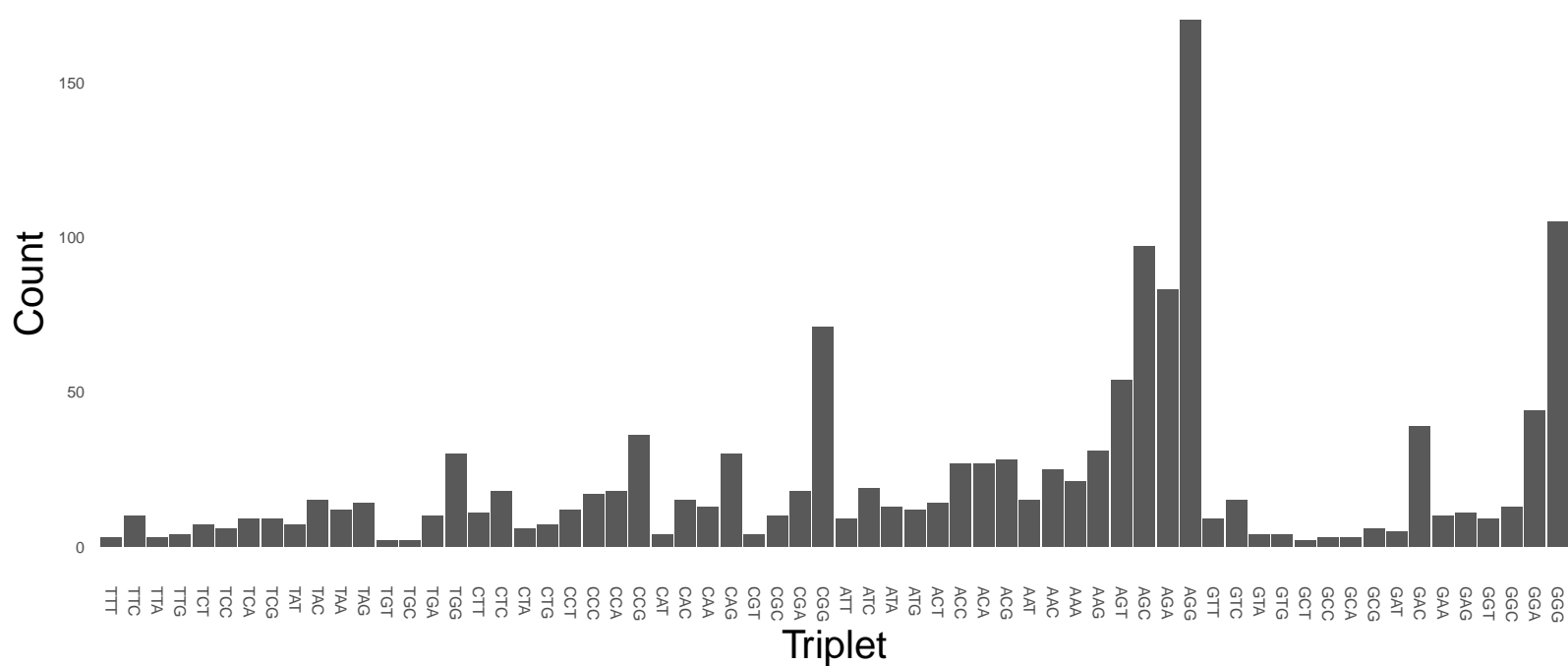
Gene TRBV7-7\*ap01\_C315T



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

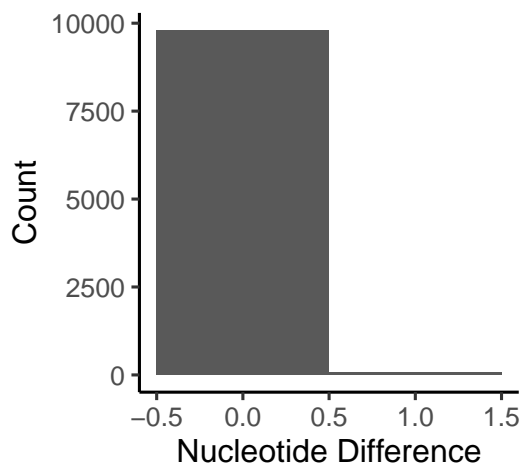


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



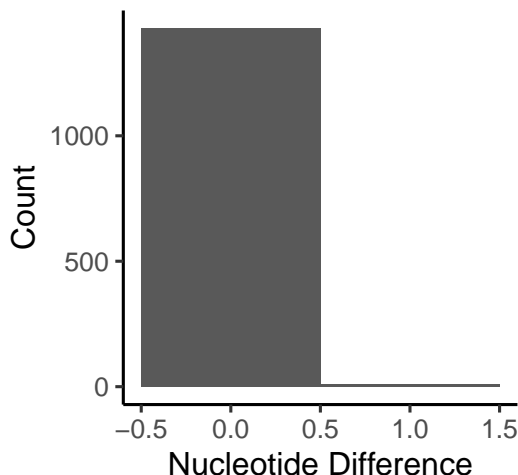
### TRBV20-1\*ap01

9879 sequences assigned  
9802 (99.2%) exact matches, in which:  
9679 unique CDR3  
13 unique J



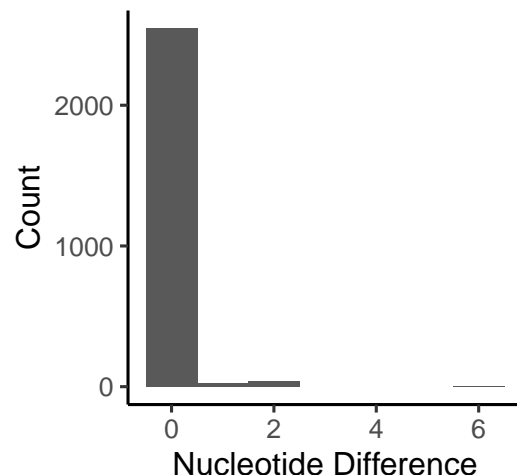
### TRBV10-2\*ap01

1439 sequences assigned  
1428 (99.2%) exact matches, in which:  
1406 unique CDR3  
13 unique J



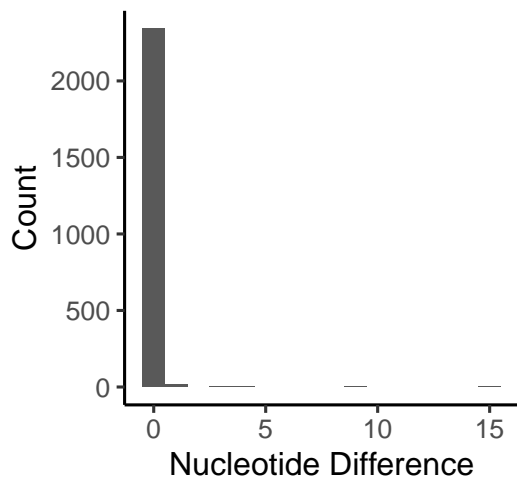
### TRBV13\*ap01

2607 sequences assigned  
2546 (97.7%) exact matches, in which:  
2489 unique CDR3  
13 unique J



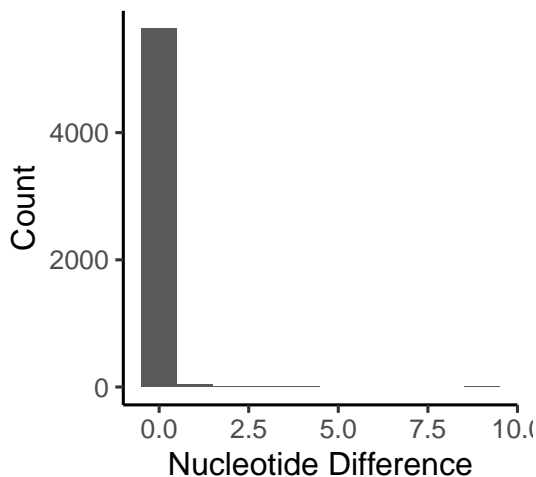
### TRBV10-1\*ap01

2366 sequences assigned  
2341 (98.9%) exact matches, in which:  
2315 unique CDR3  
13 unique J



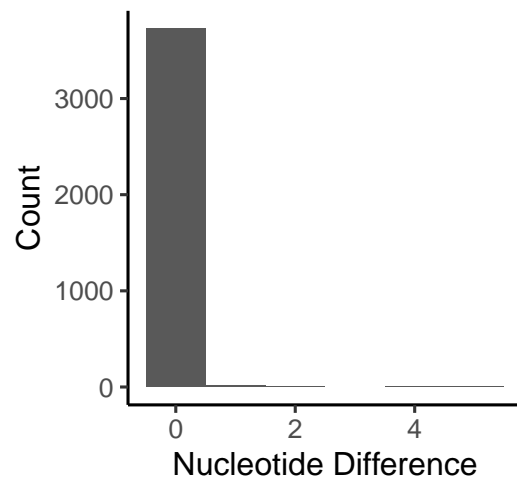
### TRBV10-3\*ap01

5679 sequences assigned  
5634 (99.2%) exact matches, in which:  
5541 unique CDR3  
13 unique J



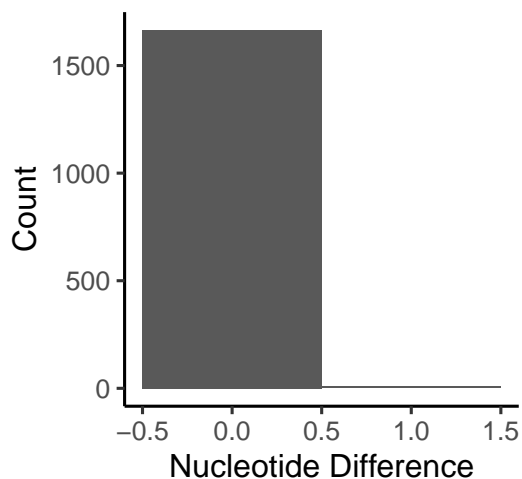
### TRBV14\*ap01

3750 sequences assigned  
3726 (99.4%) exact matches, in which:  
3676 unique CDR3  
13 unique J



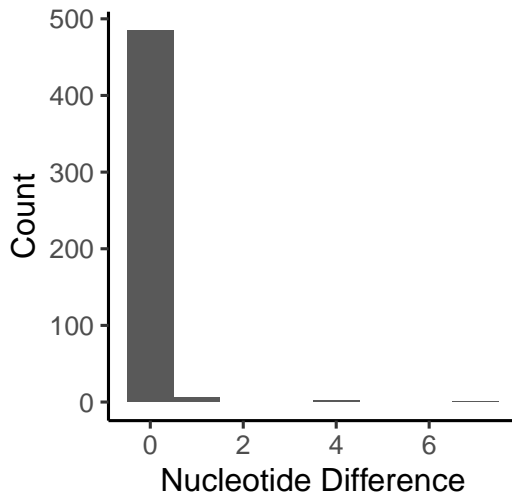
### TRBV20-1\*ap02

1673 sequences assigned  
1665 (99.5%) exact matches, in which:  
1644 unique CDR3  
13 unique J



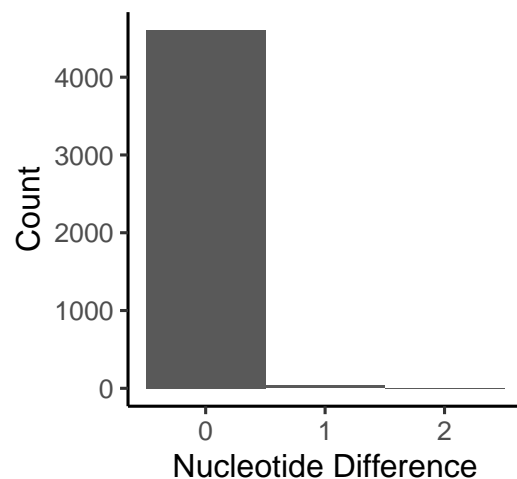
### TRBV1\*ap01

494 sequences assigned  
485 (98.2%) exact matches, in which:  
465 unique CDR3  
13 unique J



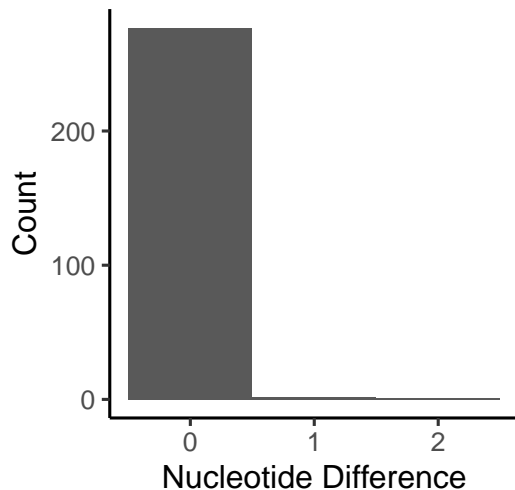
### TRBV15\*ap02

4644 sequences assigned  
4606 (99.2%) exact matches, in which:  
4525 unique CDR3  
13 unique J



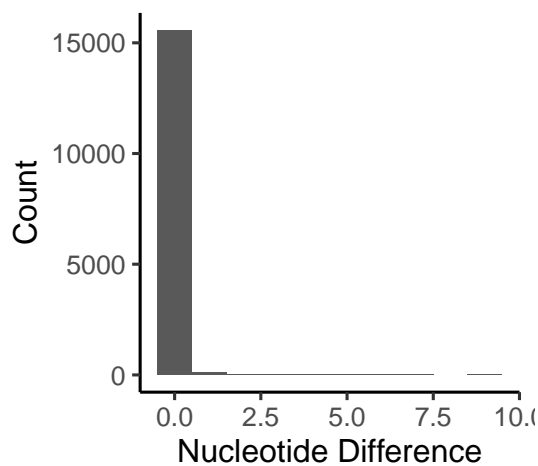
### TRBV16\*ap01

280 sequences assigned  
277 (98.9%) exact matches, in which:  
276 unique CDR3  
13 unique J



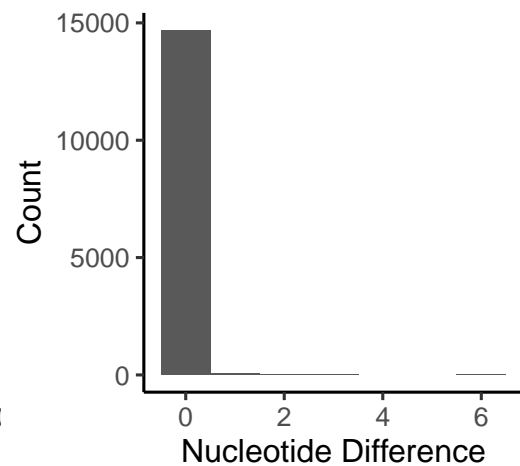
### TRBV19\*ap01

15700 sequences assigned  
15572 (99.2%) exact matches, in which:  
15446 unique CDR3  
13 unique J



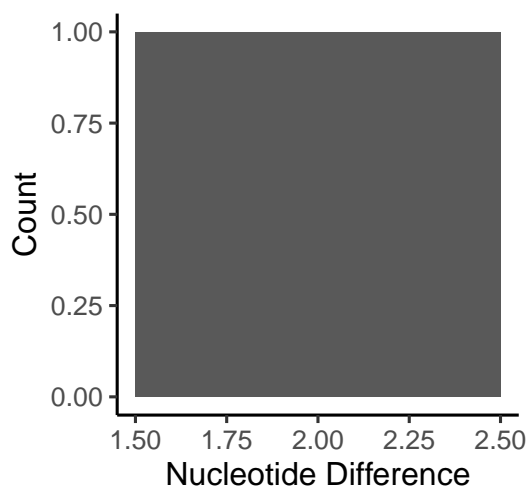
### TRBV28\*ap01

14780 sequences assigned  
14690 (99.4%) exact matches, in which:  
14501 unique CDR3  
13 unique J



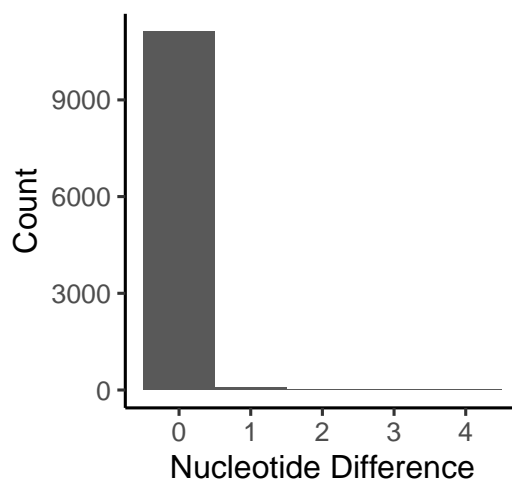
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



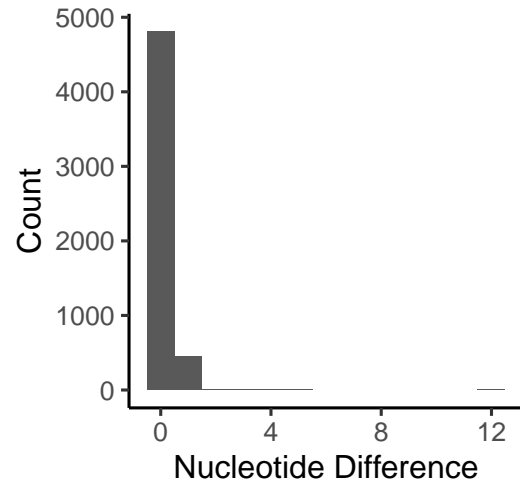
### TRBV2\*ap01

11206 sequences assigned  
11115 (99.2%) exact matches, in which:  
10937 unique CDR3  
13 unique J



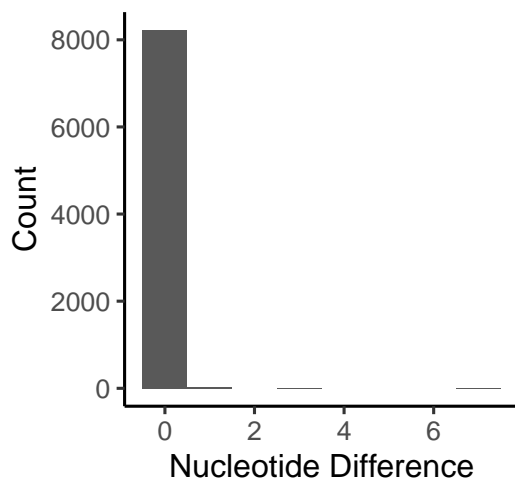
### TRBV30\*ap01

5270 sequences assigned  
4806 (91.2%) exact matches, in which:  
4661 unique CDR3  
13 unique J



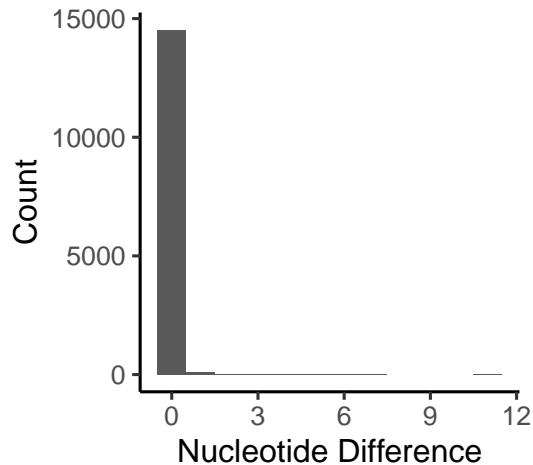
### TRBV18\*ap01

8257 sequences assigned  
8224 (99.6%) exact matches, in which:  
8153 unique CDR3  
13 unique J



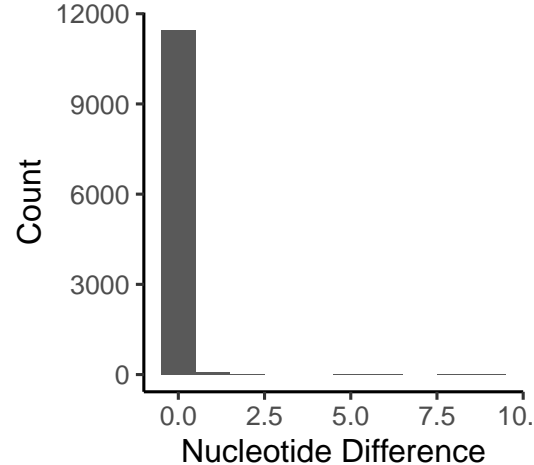
### TRBV27\*ap01

14638 sequences assigned  
14527 (99.2%) exact matches, in which:  
14281 unique CDR3  
13 unique J



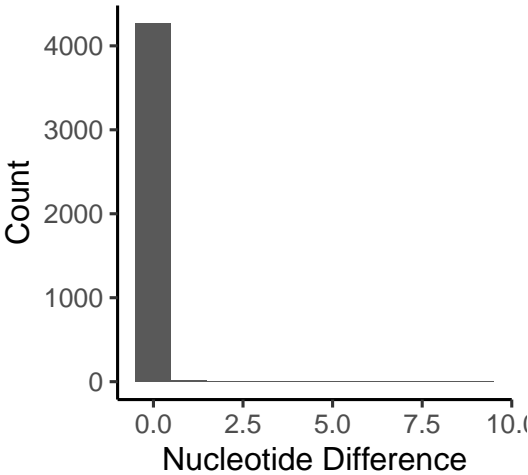
### TRBV9\*ap01

11544 sequences assigned  
11466 (99.3%) exact matches, in which:  
11352 unique CDR3  
13 unique J



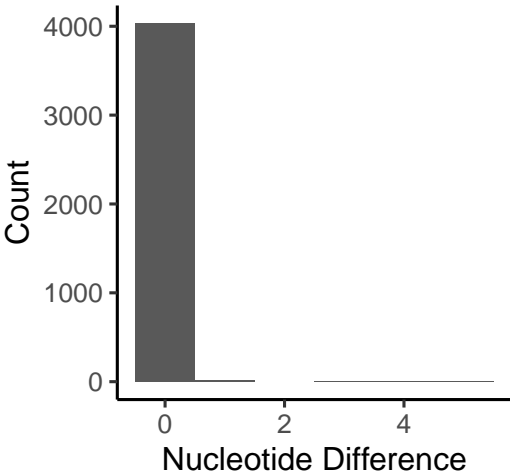
TRBV21-1\*ap01

4312 sequences assigned  
4267 (99%) exact matches, in which:  
4230 unique CDR3  
13 unique J



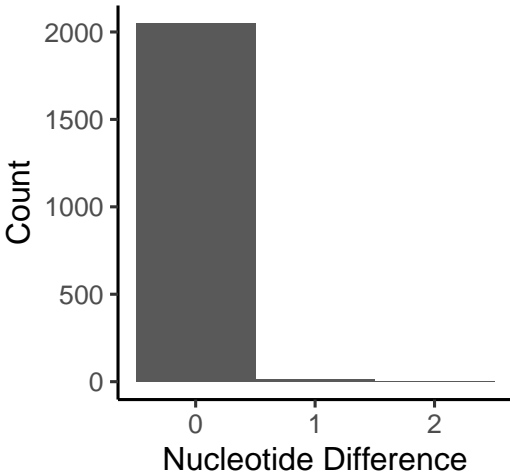
TRBV11-3\*ap01

4051 sequences assigned  
4032 (99.5%) exact matches, in which:  
4002 unique CDR3  
13 unique J



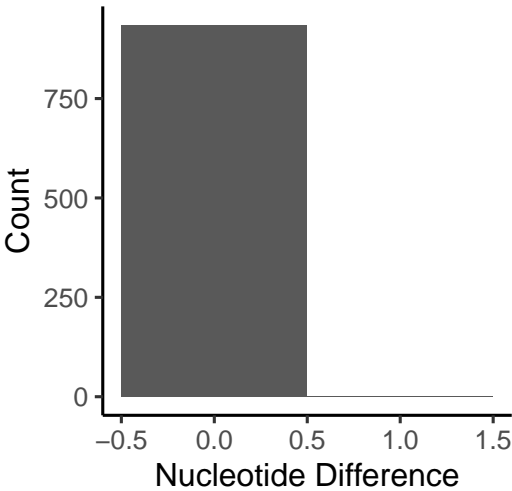
TRBV12-5\*ap01

2070 sequences assigned  
2049 (99%) exact matches, in which:  
2020 unique CDR3  
13 unique J



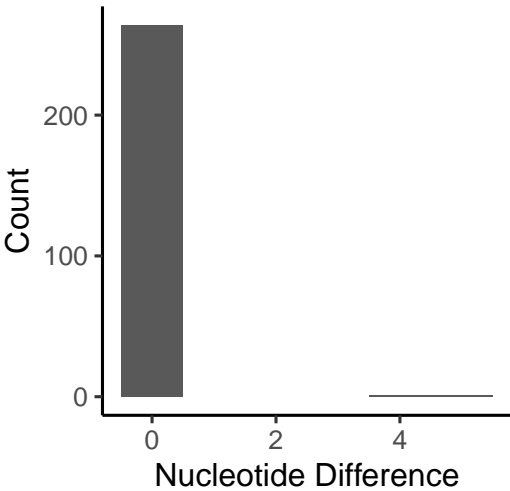
TRBV11-1\*ap01

936 sequences assigned  
935 (99.9%) exact matches, in which:  
928 unique CDR3  
13 unique J



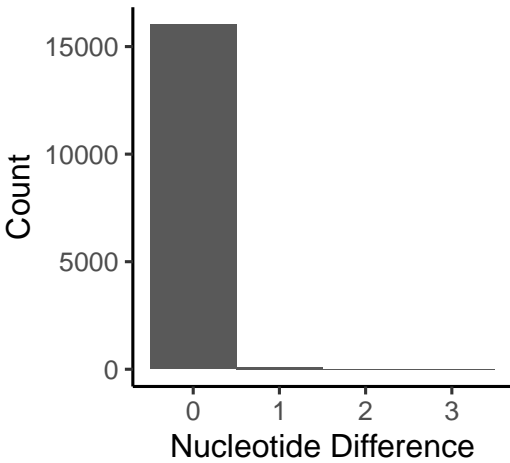
TRBV12-1\*ap01

266 sequences assigned  
264 (99.2%) exact matches, in which:  
263 unique CDR3  
13 unique J



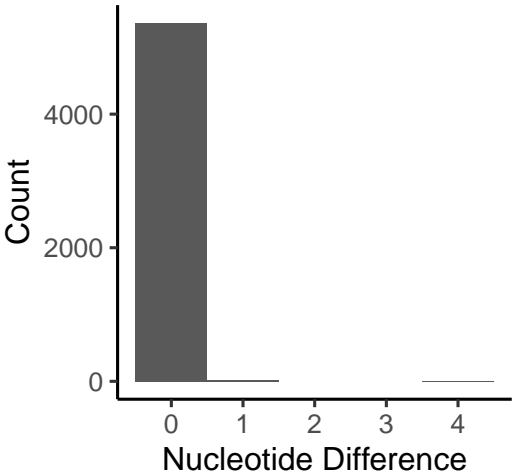
TRBV12-34\*ap01

16138 sequences assigned  
16028 (99.3%) exact matches, in which:  
15801 unique CDR3  
13 unique J



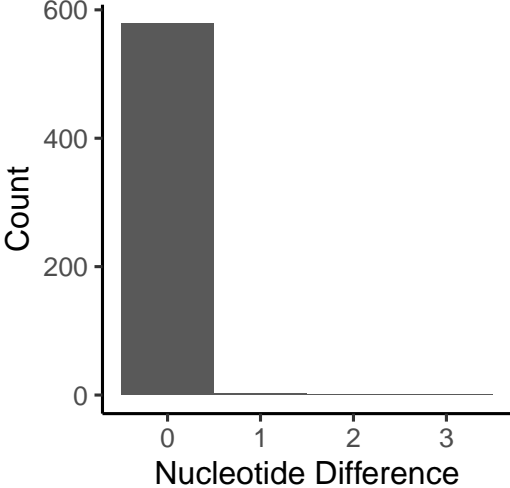
TRBV11-2\*ap01

5387 sequences assigned  
5364 (99.6%) exact matches, in which:  
5327 unique CDR3  
13 unique J



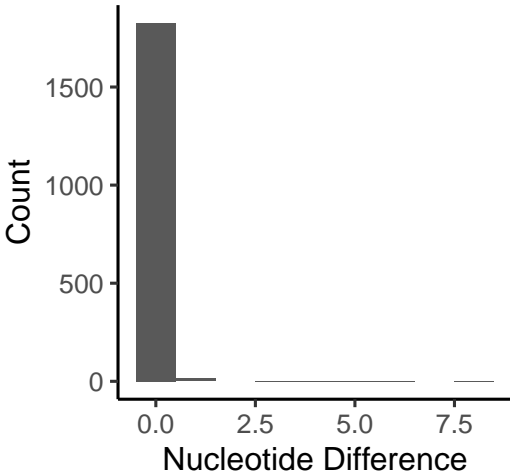
TRBV12-2\*ap01

584 sequences assigned  
579 (99.1%) exact matches, in which:  
576 unique CDR3  
13 unique J



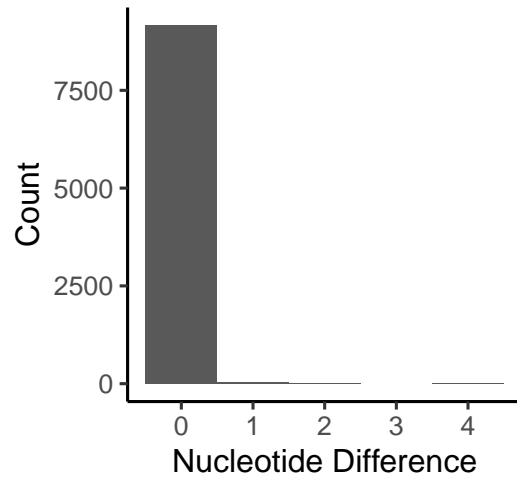
TRBV23-1\*ap01

1848 sequences assigned  
1826 (98.8%) exact matches, in which:  
1808 unique CDR3  
13 unique J



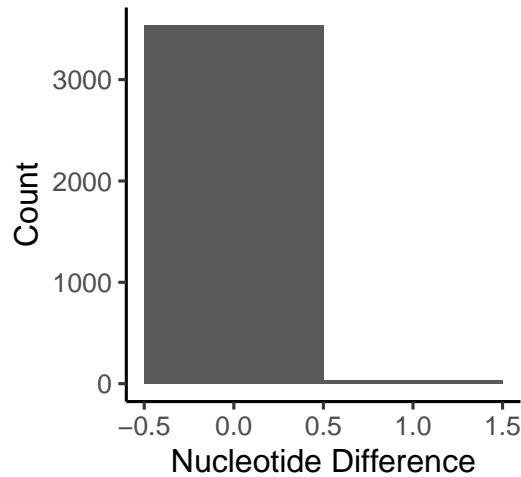
### TRBV3-12\*ap01

9209 sequences assigned  
9160 (99.5%) exact matches, in which:  
9084 unique CDR3  
13 unique J



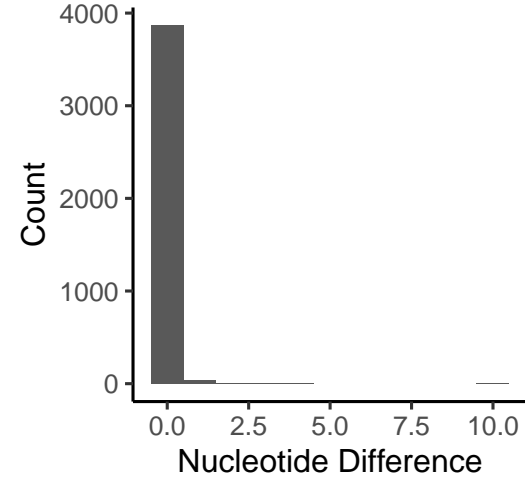
### TRBV4-2\*ap01

3572 sequences assigned  
3535 (99%) exact matches, in which:  
3479 unique CDR3  
13 unique J



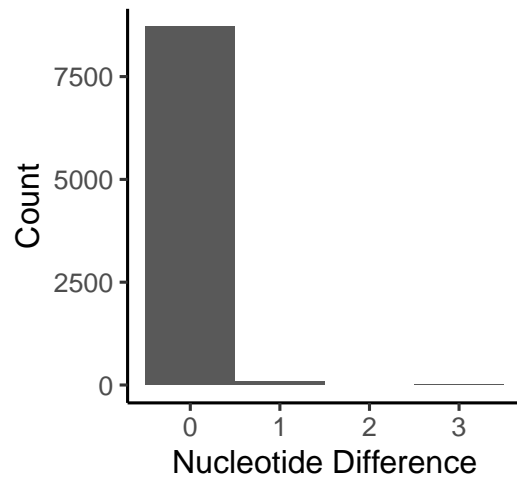
### TRBV25-1\*ap01

3908 sequences assigned  
3867 (99%) exact matches, in which:  
3761 unique CDR3  
14 unique J



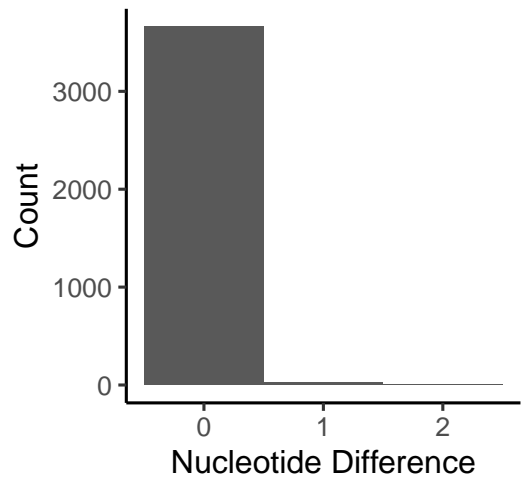
### TRBV4-1\*ap01

8805 sequences assigned  
8713 (99%) exact matches, in which:  
8479 unique CDR3  
13 unique J



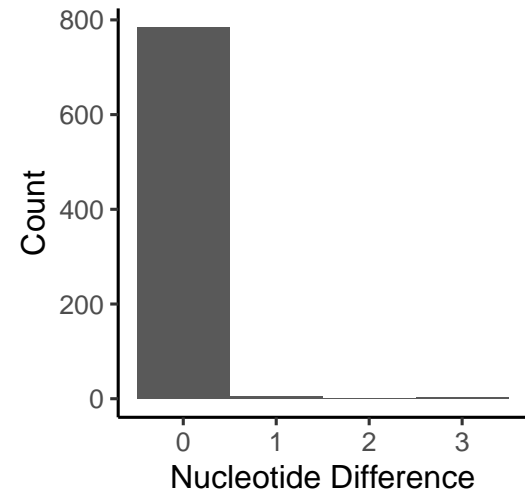
### TRBV4-3\*ap01

3689 sequences assigned  
3660 (99.2%) exact matches, in which:  
3579 unique CDR3  
13 unique J



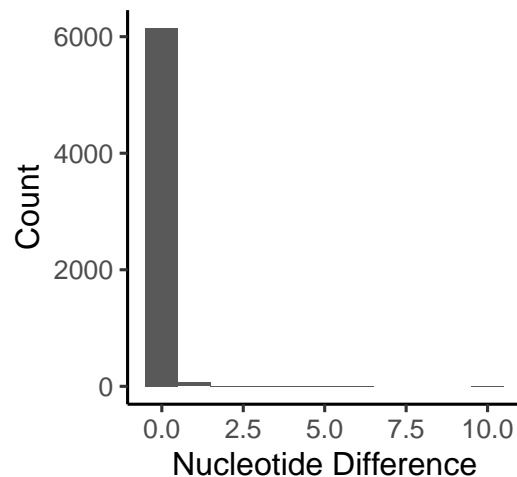
### TRBV5-3\*ap01

796 sequences assigned  
785 (98.6%) exact matches, in which:  
777 unique CDR3  
13 unique J



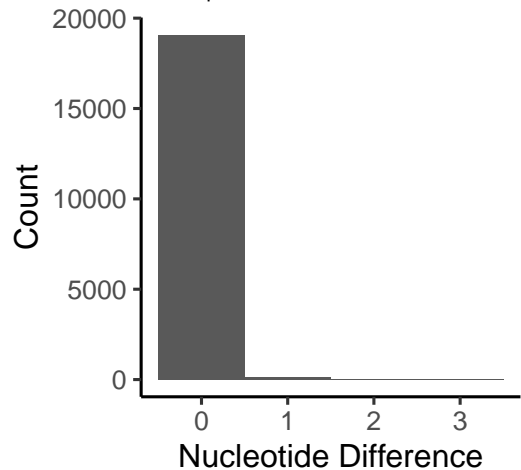
### TRBV24-1\*ap01

6229 sequences assigned  
6148 (98.7%) exact matches, in which:  
6051 unique CDR3  
13 unique J



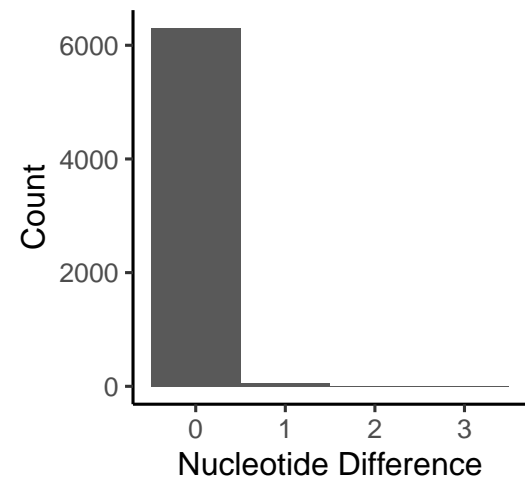
### TRBV5-1\*ap01

19243 sequences assigned  
19080 (99.2%) exact matches, in which:  
18707 unique CDR3  
13 unique J



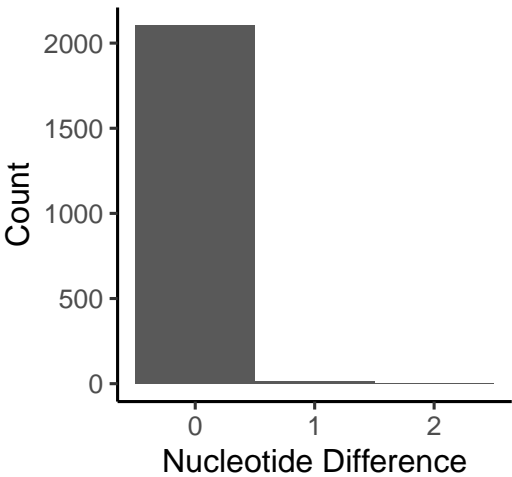
### TRBV5-4\*ap01

6359 sequences assigned  
6303 (99.1%) exact matches, in which:  
6172 unique CDR3  
13 unique J



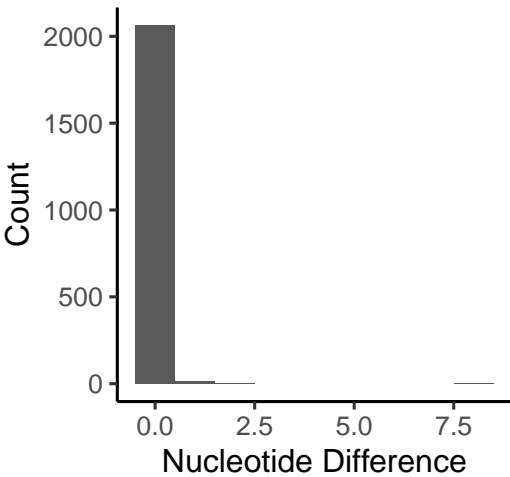
TRBV5-5\*ap01

2119 sequences assigned  
2104 (99.3%) exact matches, in which:  
2091 unique CDR3  
13 unique J



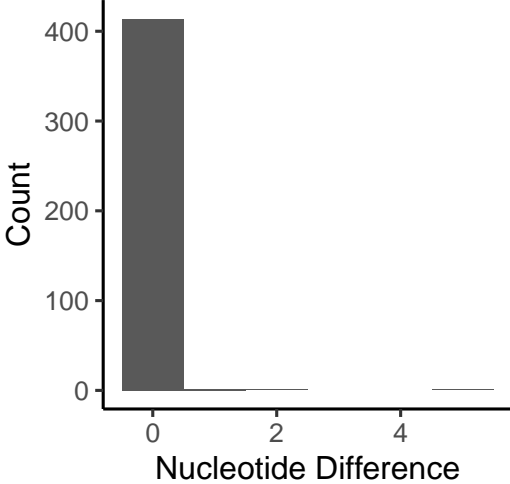
TRBV5-8\*ap01

2079 sequences assigned  
2063 (99.2%) exact matches, in which:  
2036 unique CDR3  
13 unique J



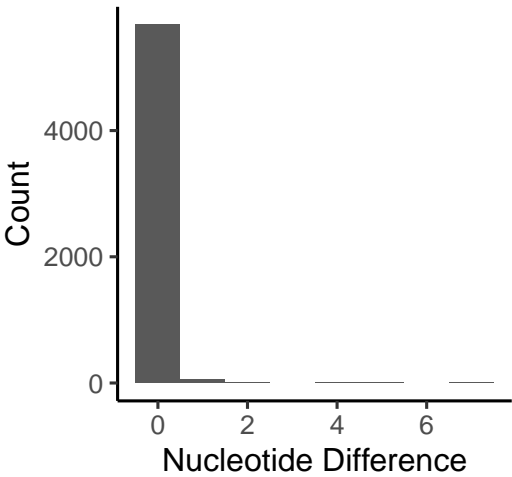
TRBV6-7\*ap01

418 sequences assigned  
414 (99%) exact matches, in which:  
407 unique CDR3  
13 unique J



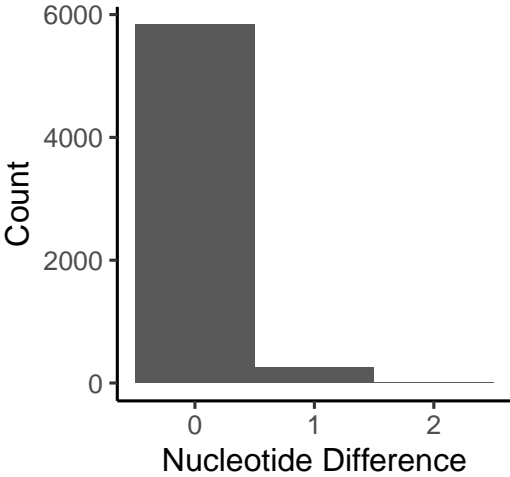
TRBV5-6\*ap01

5746 sequences assigned  
5677 (98.8%) exact matches, in which:  
5528 unique CDR3  
13 unique J



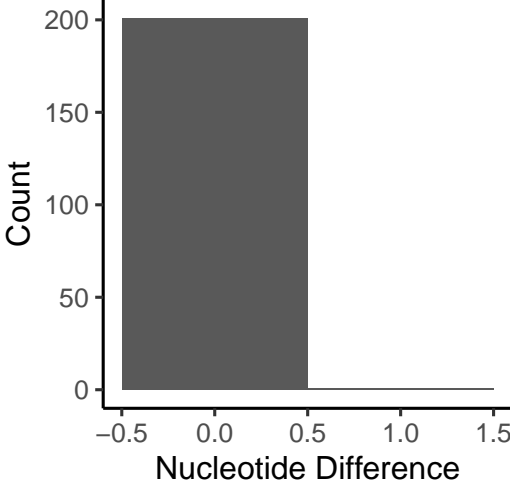
TRBV6-1\*ap01

6084 sequences assigned  
5835 (95.9%) exact matches, in which:  
5705 unique CDR3  
13 unique J



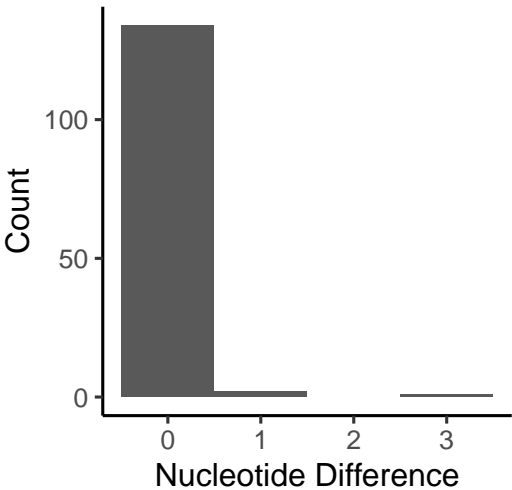
TRBV6-8\*ap01

202 sequences assigned  
201 (99.5%) exact matches, in which:  
196 unique CDR3  
13 unique J



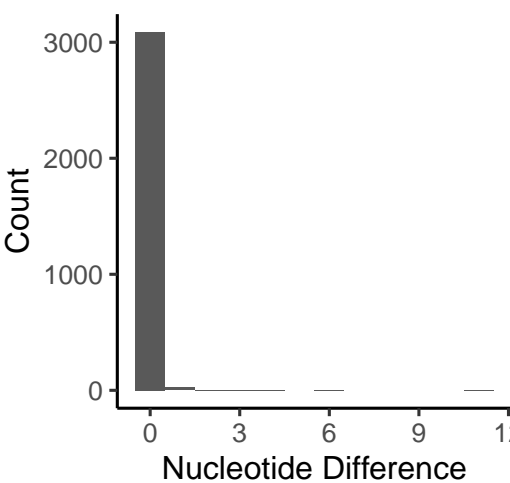
TRBV5-7\*ap01

137 sequences assigned  
134 (97.8%) exact matches, in which:  
128 unique CDR3  
13 unique J



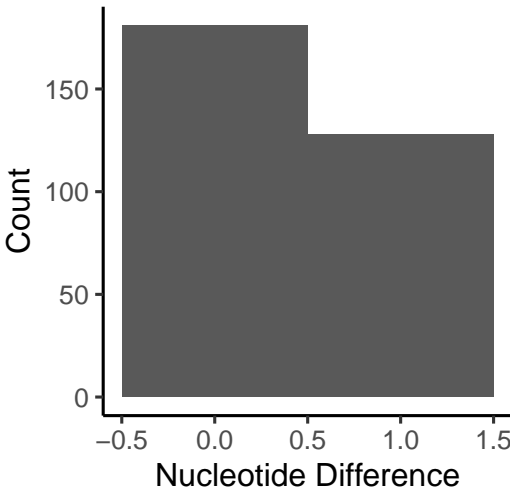
TRBV6-4\*ap01

3122 sequences assigned  
3088 (98.9%) exact matches, in which:  
3058 unique CDR3  
13 unique J



TRBV6-9\*ap01

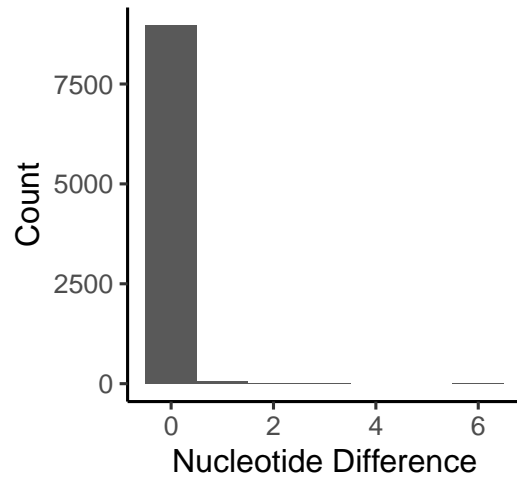
309 sequences assigned  
181 (58.6%) exact matches, in which:  
171 unique CDR3  
13 unique J





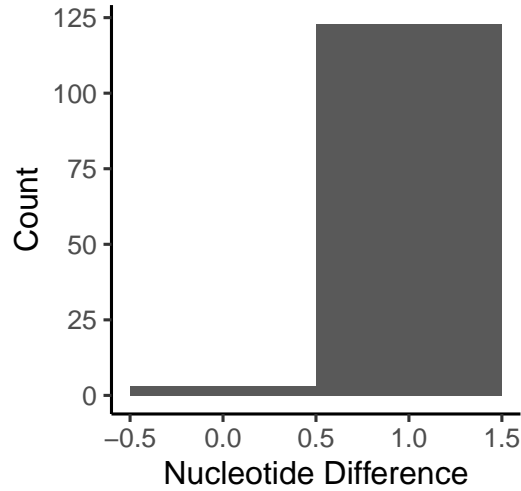
### TRBV6-23\*ap01

9035 sequences assigned  
8966 (99.2%) exact matches, in which:  
8672 unique CDR3  
13 unique J



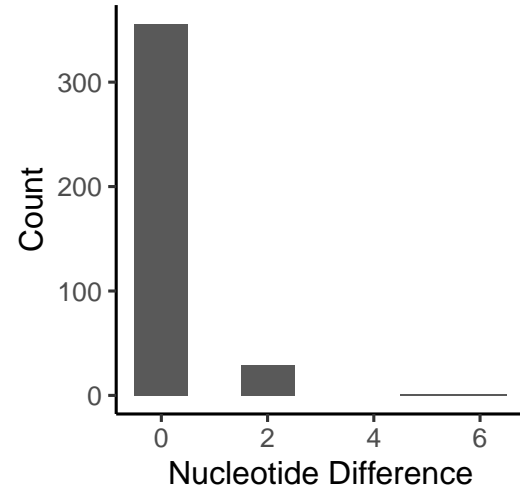
### TRBV7-1\*ap01\_T296C

126 sequences assigned  
3 (2.4%) exact matches, in which:  
3 unique CDR3  
2 unique J



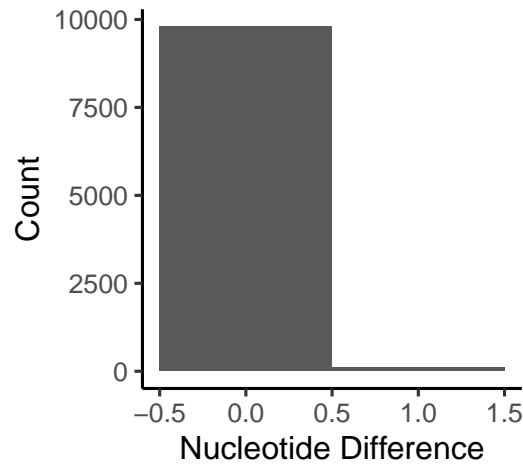
### TRBV7-4\*ap01

387 sequences assigned  
356 (92%) exact matches, in which:  
349 unique CDR3  
13 unique J



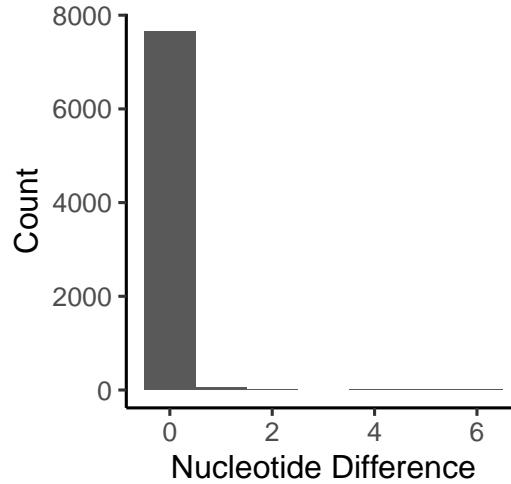
### TRBV6-56\*ap01

9915 sequences assigned  
9801 (98.9%) exact matches, in which:  
9529 unique CDR3  
13 unique J



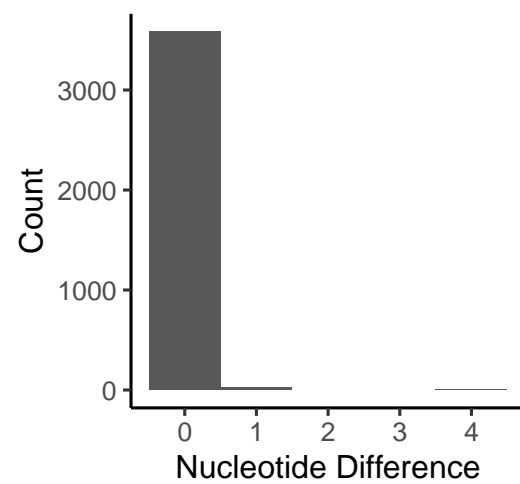
### TRBV7-2\*ap01

7698 sequences assigned  
7647 (99.3%) exact matches, in which:  
7554 unique CDR3  
13 unique J



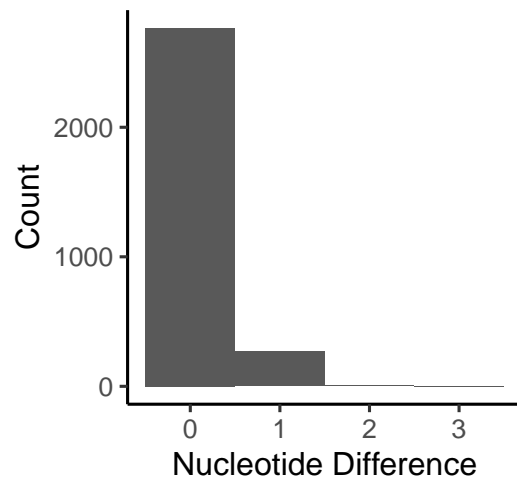
### TRBV7-6\*ap01

3612 sequences assigned  
3583 (99.2%) exact matches, in which:  
3536 unique CDR3  
13 unique J



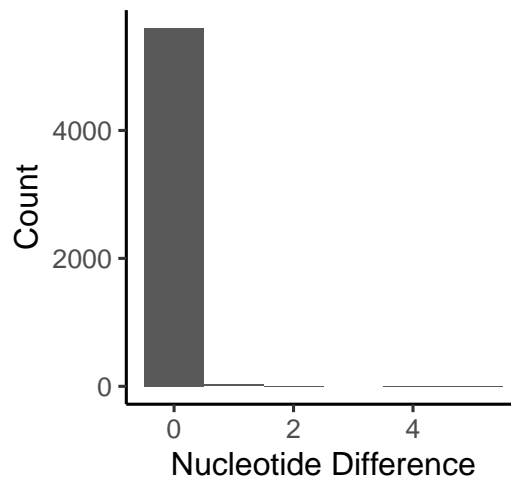
### TRBV6-56\*ap02

3040 sequences assigned  
2766 (91%) exact matches, in which:  
2687 unique CDR3  
13 unique J



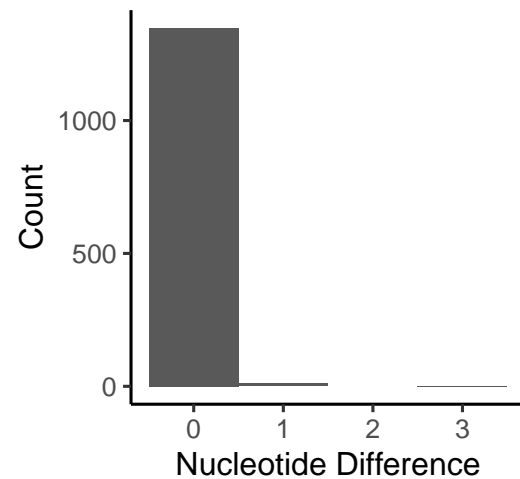
### TRBV7-3\*ap01

5637 sequences assigned  
5601 (99.4%) exact matches, in which:  
5551 unique CDR3  
13 unique J



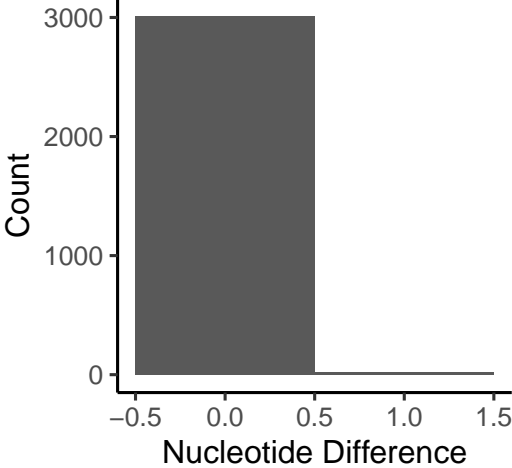
### TRBV7-7\*ap01\_C315T

1360 sequences assigned  
1348 (99.1%) exact matches, in which:  
1335 unique CDR3  
13 unique J



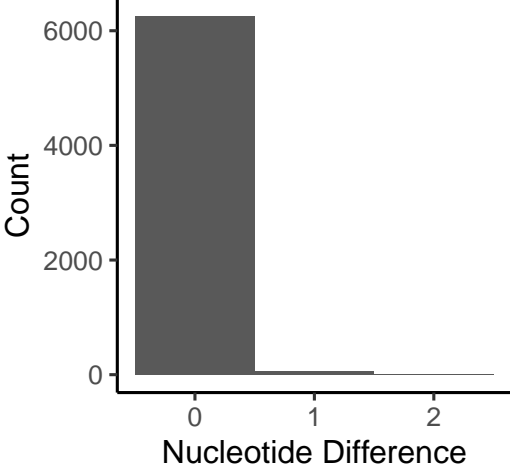
TRBV7-8\*ap01

3031 sequences assigned  
3009 (99.3%) exact matches, in which:  
2973 unique CDR3  
13 unique J



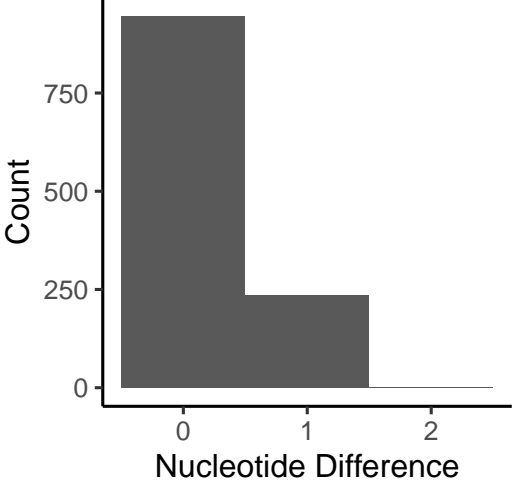
TRBV29-1\*ap01

6316 sequences assigned  
6250 (99%) exact matches, in which:  
6056 unique CDR3  
13 unique J



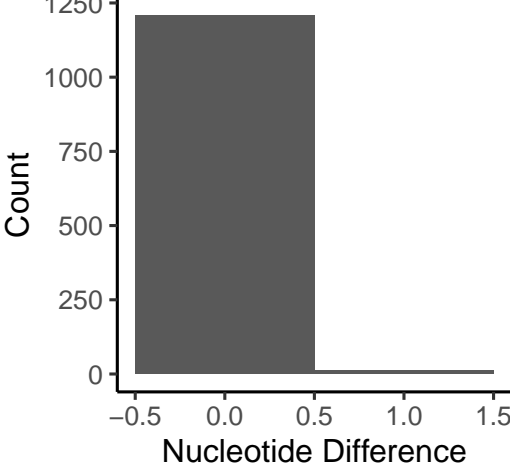
TRBV7-8\*ap03

1184 sequences assigned  
946 (79.9%) exact matches, in which:  
939 unique CDR3  
13 unique J



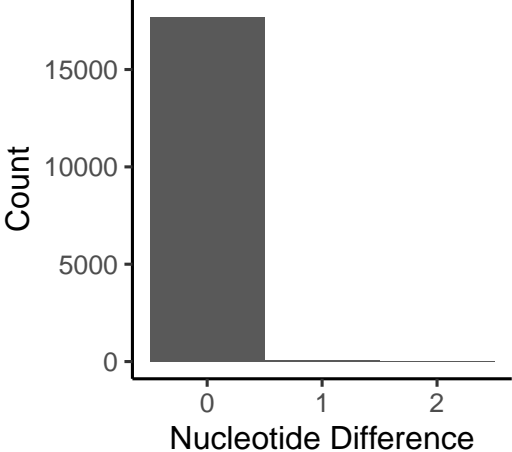
TRBV29-1\*ap02

1218 sequences assigned  
1207 (99.1%) exact matches, in which:  
1178 unique CDR3  
13 unique J

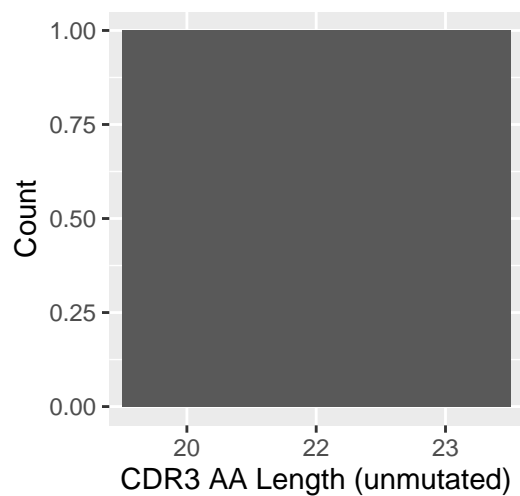


TRBV7-9\*ap01

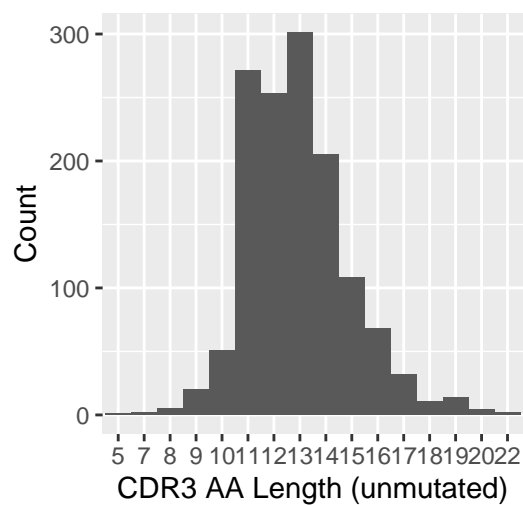
17813 sequences assigned  
17708 (99.4%) exact matches, in which:  
17455 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





[illegible]