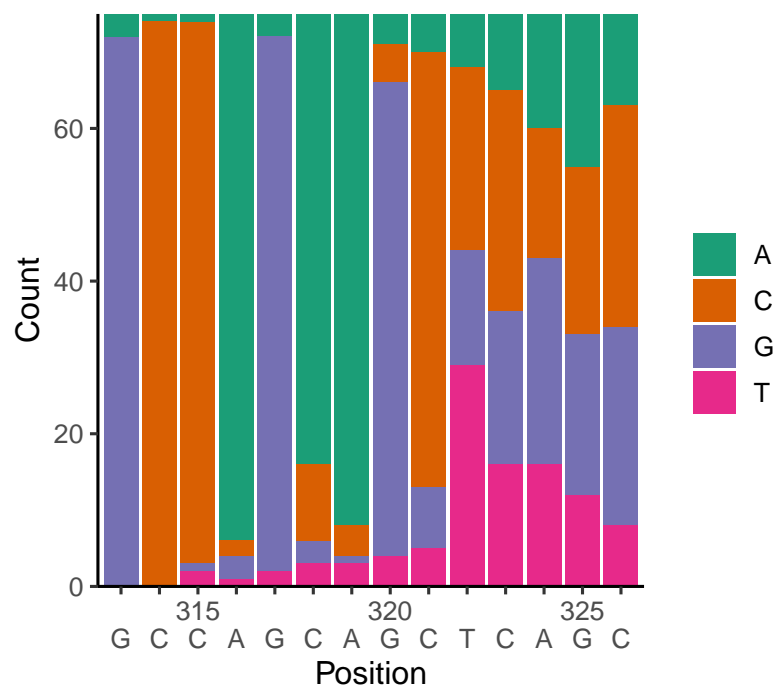
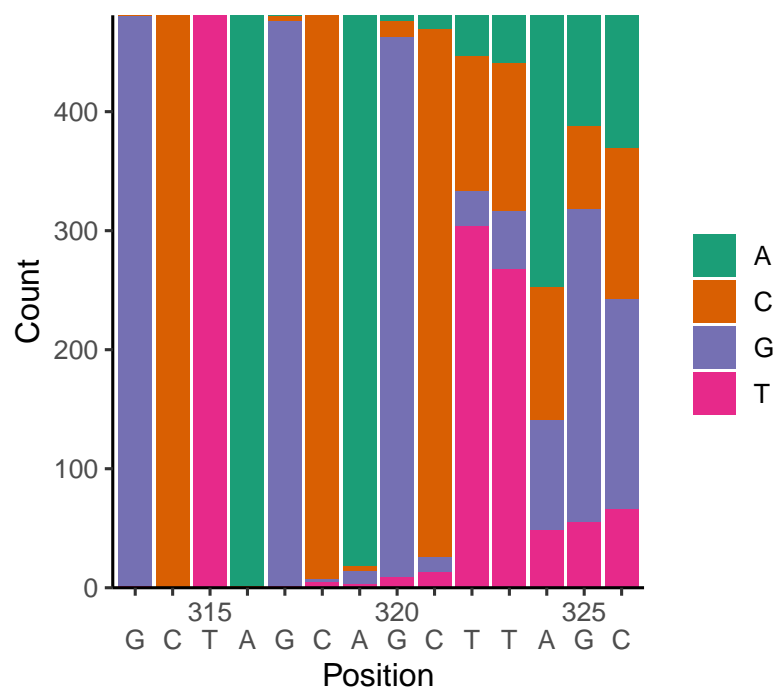


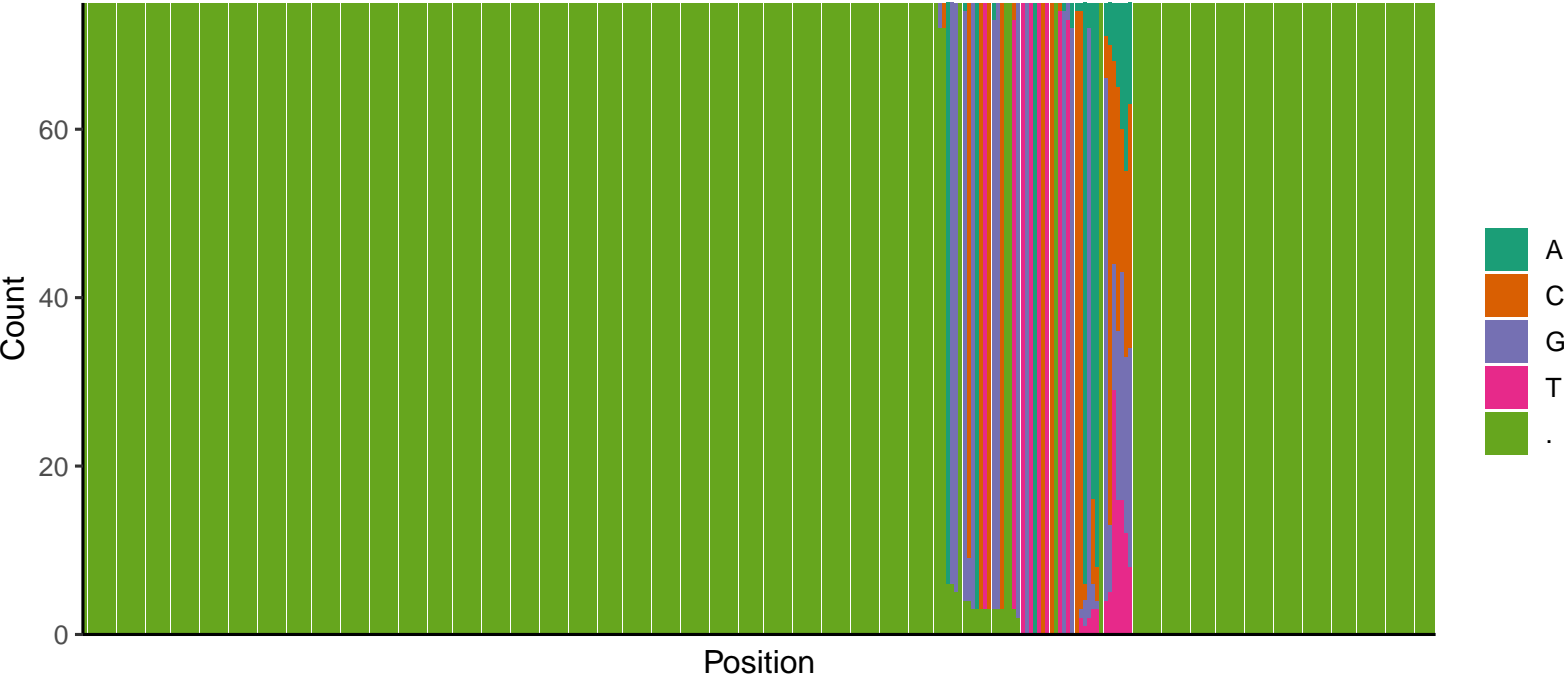
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



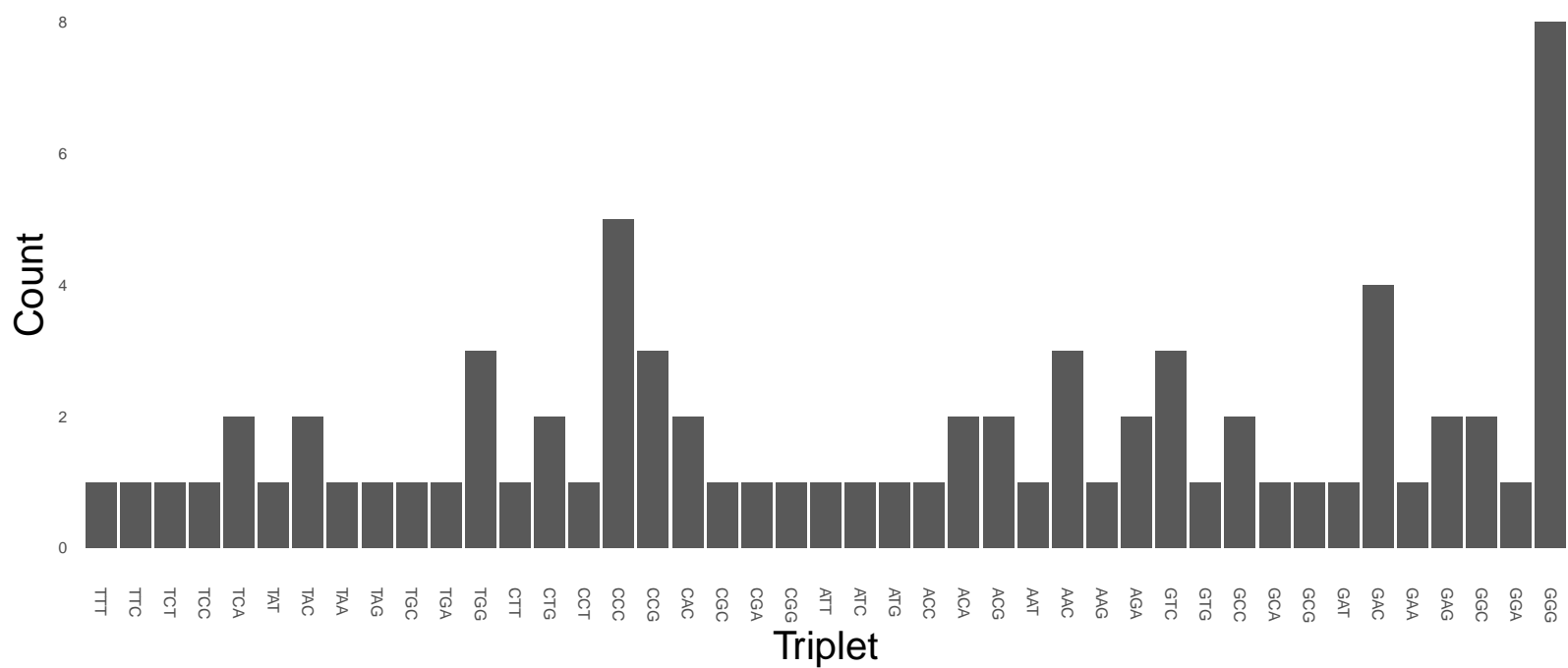
Gene TRBV7-1\*ap01\_T296C



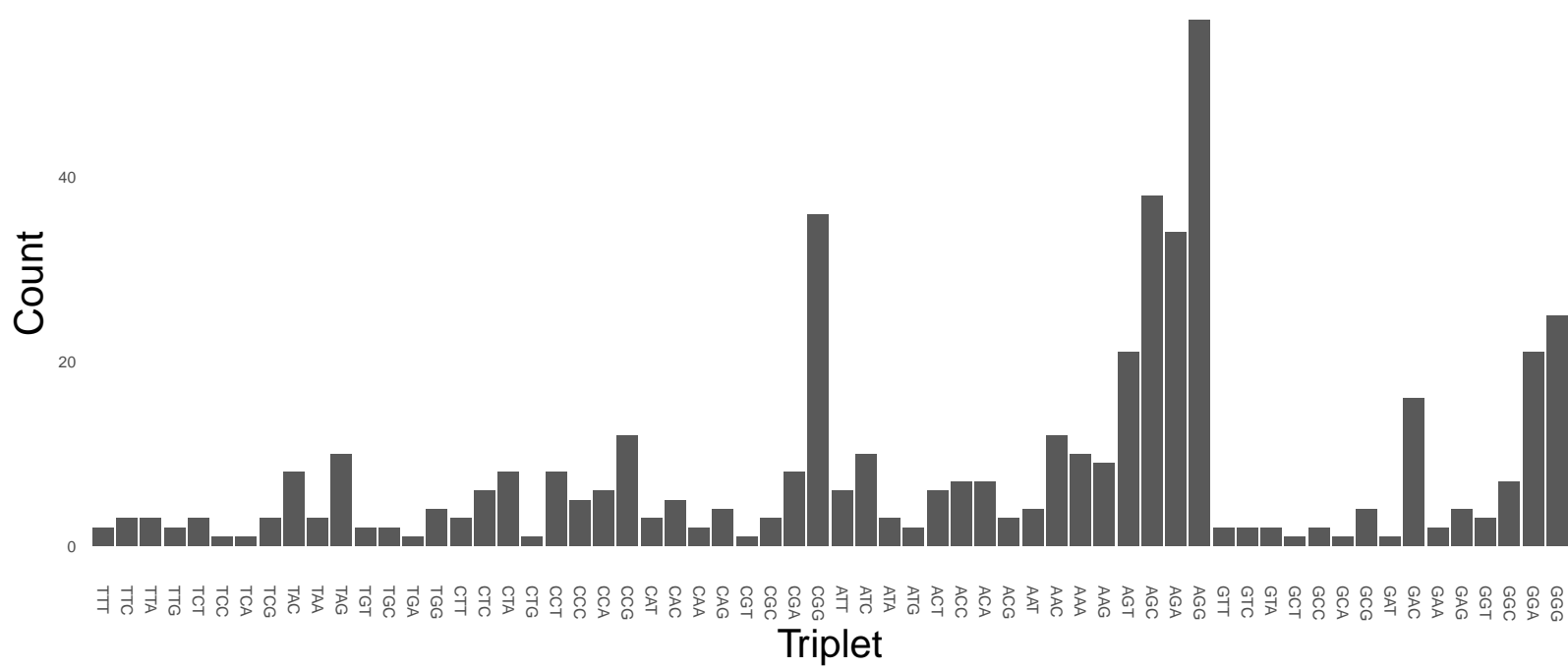
Gene TRBV7-7\*ap01\_C315T



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

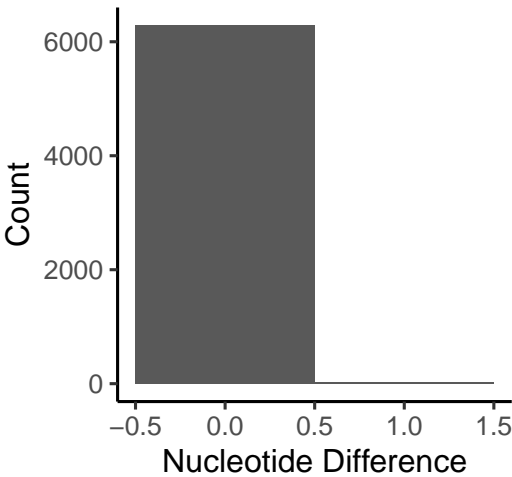


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



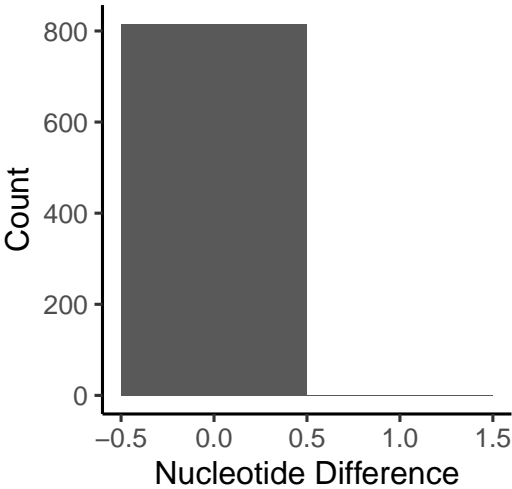
TRBV20-1\*ap01

6320 sequences assigned  
6287 (99.5%) exact matches, in which:  
6262 unique CDR3  
13 unique J



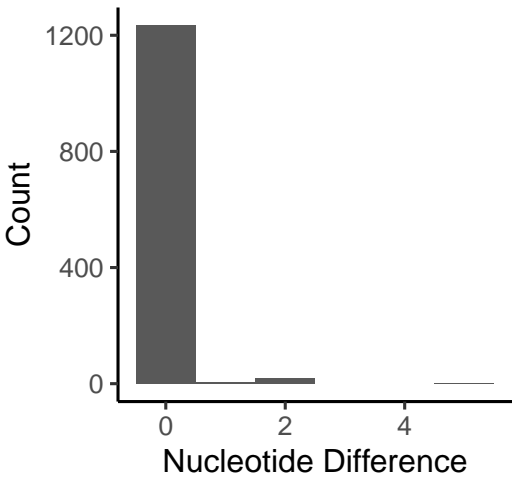
TRBV10-2\*ap01

817 sequences assigned  
816 (99.9%) exact matches, in which:  
809 unique CDR3  
13 unique J



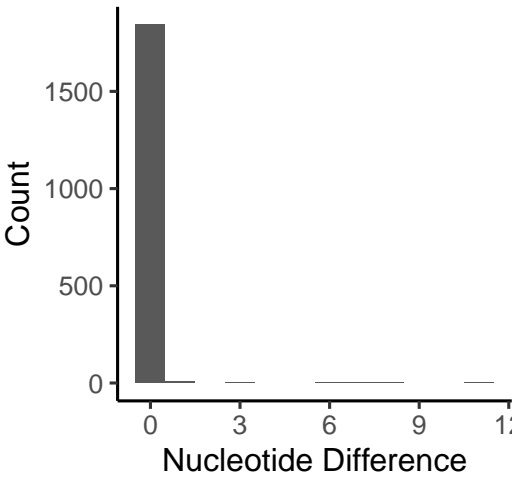
TRBV13\*ap01

1259 sequences assigned  
1234 (98%) exact matches, in which:  
1215 unique CDR3  
13 unique J



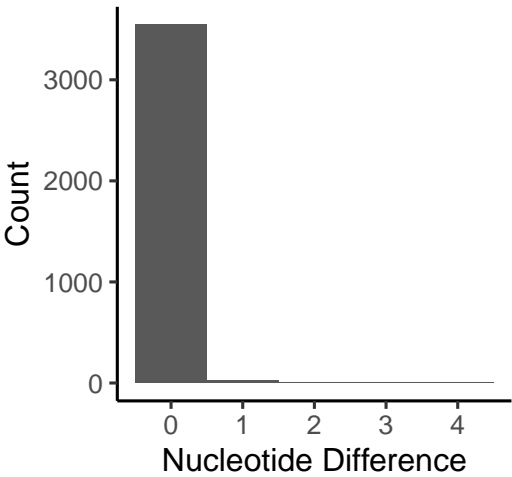
TRBV10-1\*ap01

1857 sequences assigned  
1843 (99.2%) exact matches, in which:  
1818 unique CDR3  
13 unique J



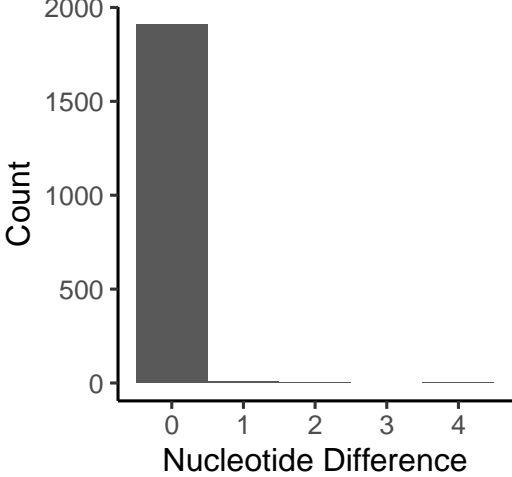
TRBV10-3\*ap01

3576 sequences assigned  
3545 (99.1%) exact matches, in which:  
3520 unique CDR3  
13 unique J



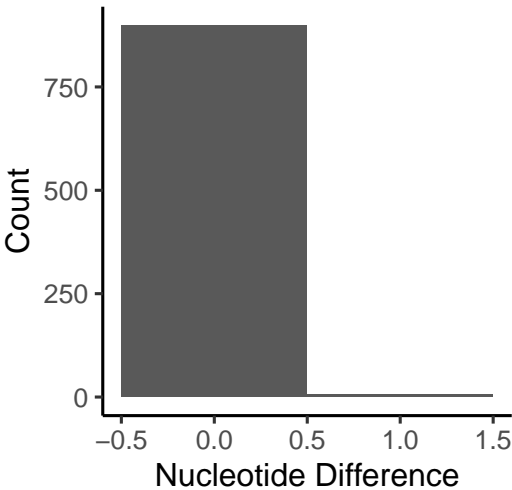
TRBV14\*ap01

1921 sequences assigned  
1908 (99.3%) exact matches, in which:  
1903 unique CDR3  
13 unique J



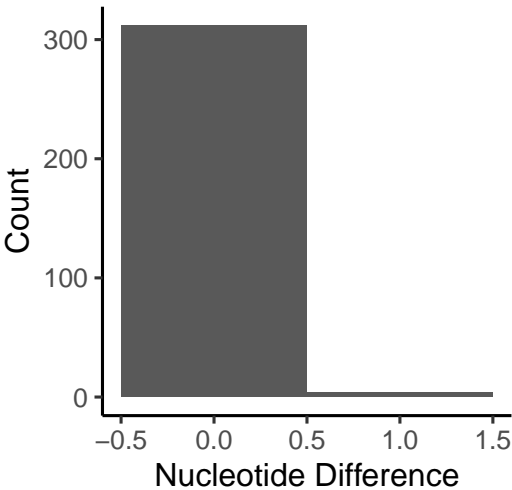
TRBV20-1\*ap02

906 sequences assigned  
899 (99.2%) exact matches, in which:  
893 unique CDR3  
13 unique J



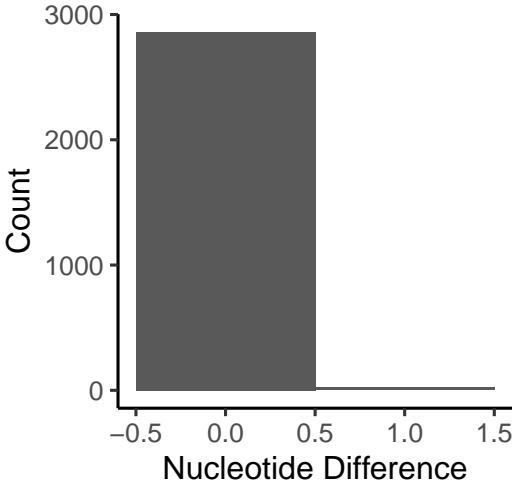
TRBV1\*ap01

316 sequences assigned  
312 (98.7%) exact matches, in which:  
309 unique CDR3  
13 unique J



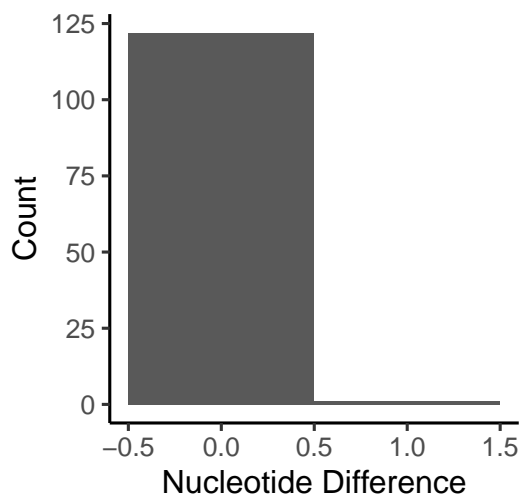
TRBV15\*ap02

2881 sequences assigned  
2860 (99.3%) exact matches, in which:  
2824 unique CDR3  
13 unique J



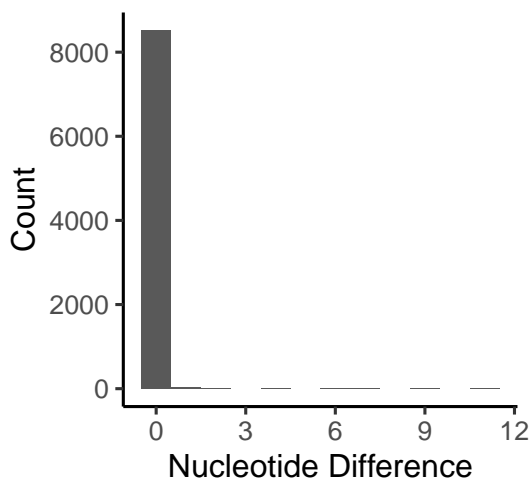
### TRBV16\*ap01

123 sequences assigned  
122 (99.2%) exact matches, in which:  
122 unique CDR3  
13 unique J



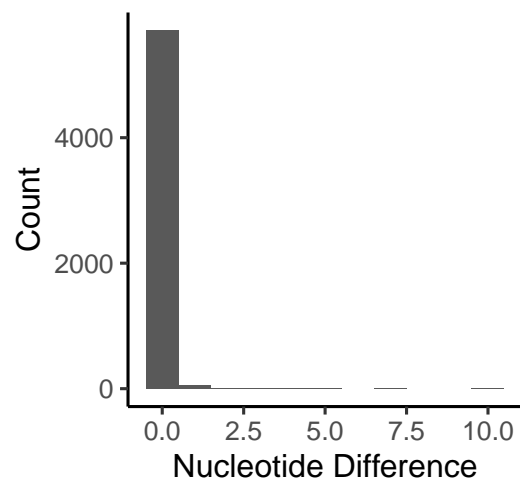
### TRBV19\*ap01

8559 sequences assigned  
8517 (99.5%) exact matches, in which:  
8485 unique CDR3  
13 unique J



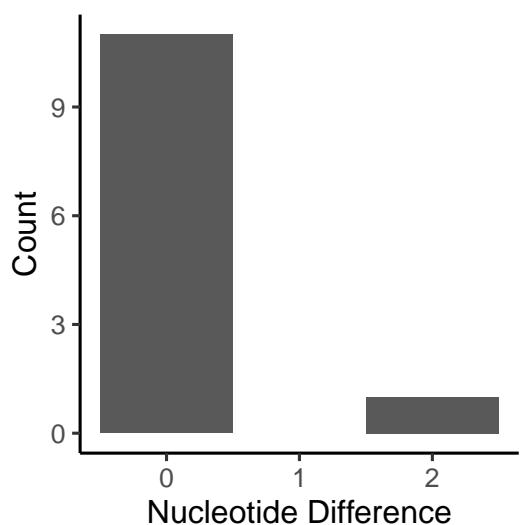
### TRBV27\*ap01

5771 sequences assigned  
5710 (98.9%) exact matches, in which:  
5644 unique CDR3  
13 unique J



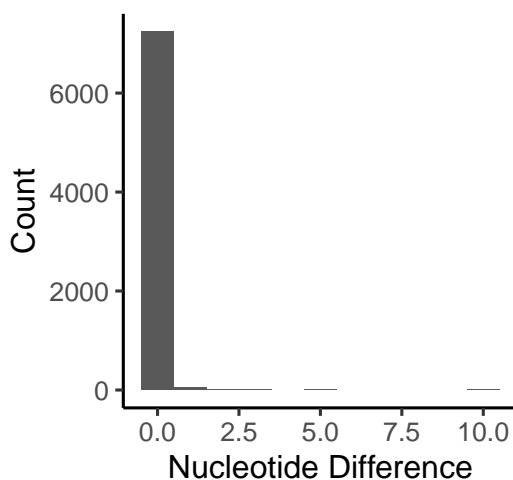
### TRBV17\*ap01

12 sequences assigned  
11 (91.7%) exact matches, in which:  
11 unique CDR3  
7 unique J



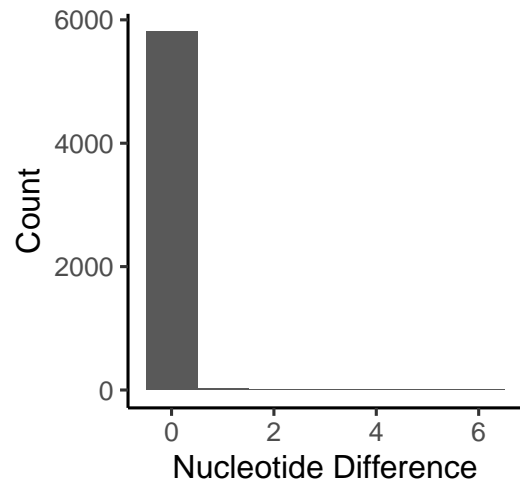
### TRBV2\*ap01

7297 sequences assigned  
7240 (99.2%) exact matches, in which:  
7150 unique CDR3  
13 unique J



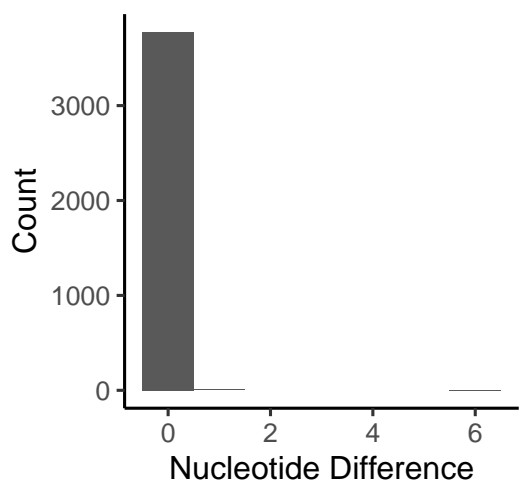
### TRBV28\*ap01

5845 sequences assigned  
5807 (99.3%) exact matches, in which:  
5774 unique CDR3  
13 unique J



### TRBV18\*ap01

3786 sequences assigned  
3775 (99.7%) exact matches, in which:  
3767 unique CDR3  
13 unique J



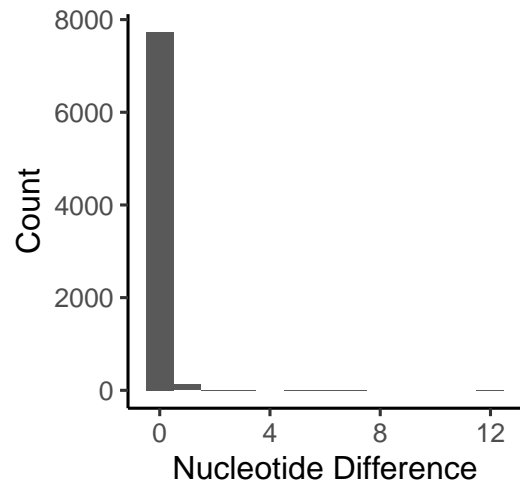
### TRBV26\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



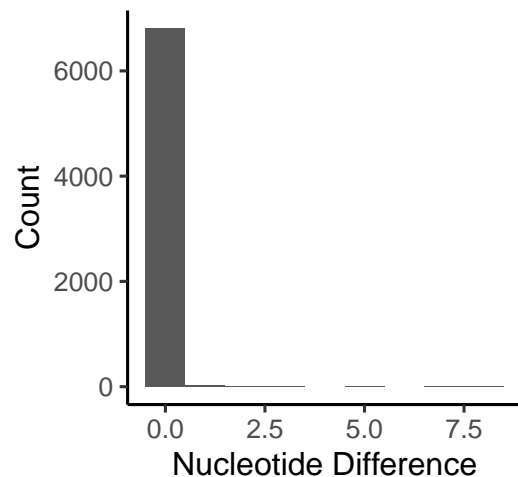
### TRBV30\*ap01

7872 sequences assigned  
7731 (98.2%) exact matches, in which:  
7580 unique CDR3  
13 unique J



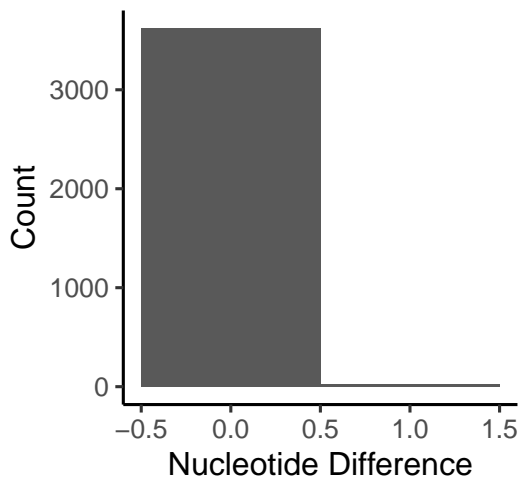
### TRBV9\*ap01

6849 sequences assigned  
6807 (99.4%) exact matches, in which:  
6754 unique CDR3  
13 unique J



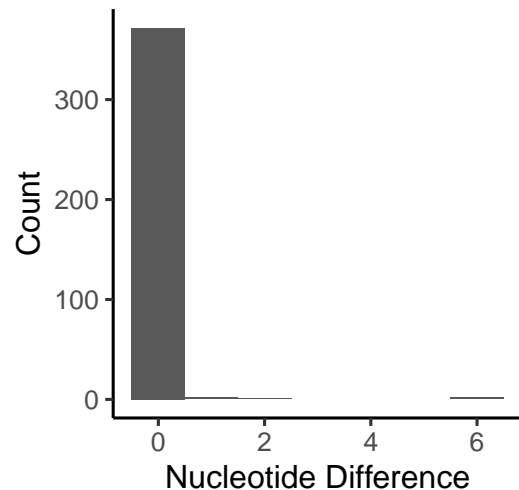
### TRBV11-2\*ap01

3643 sequences assigned  
3620 (99.4%) exact matches, in which:  
3609 unique CDR3  
13 unique J



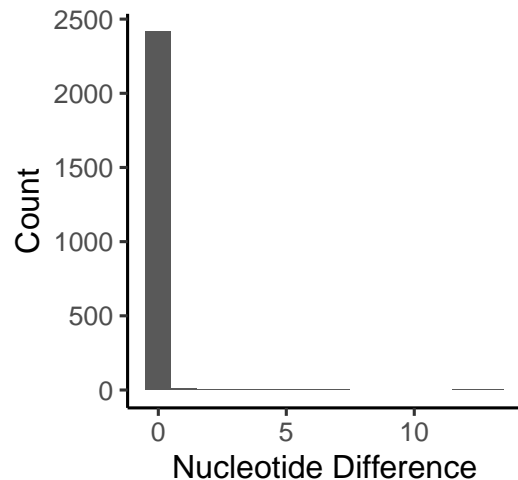
### TRBV12-2\*ap01

377 sequences assigned  
372 (98.7%) exact matches, in which:  
369 unique CDR3  
13 unique J



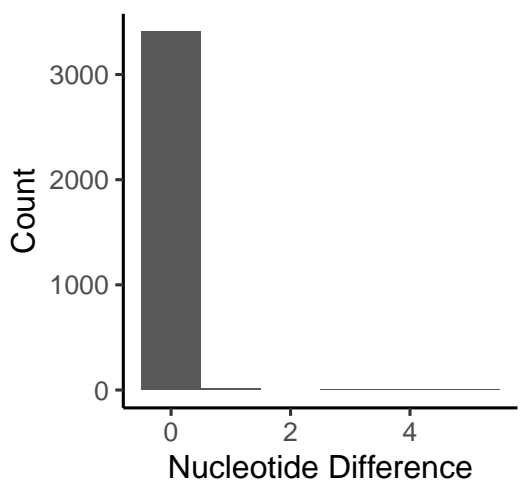
### TRBV21-1\*ap01

2441 sequences assigned  
2415 (98.9%) exact matches, in which:  
2397 unique CDR3  
13 unique J



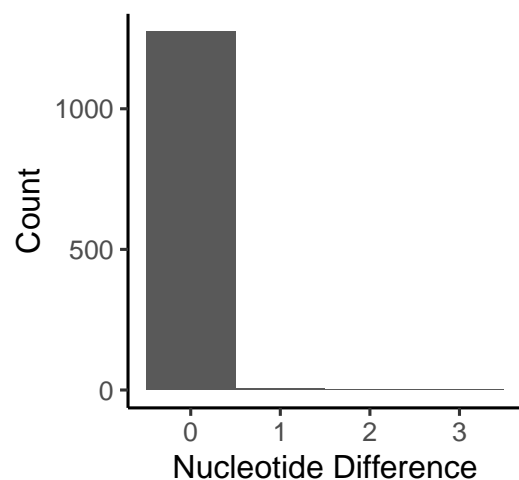
### TRBV11-3\*ap01

3425 sequences assigned  
3407 (99.5%) exact matches, in which:  
3397 unique CDR3  
13 unique J



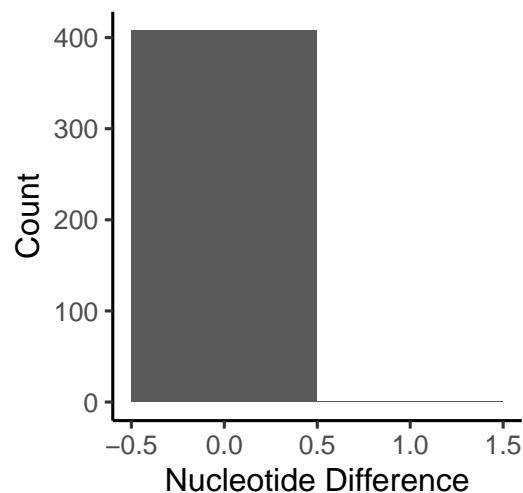
### TRBV12-5\*ap01

1282 sequences assigned  
1274 (99.4%) exact matches, in which:  
1265 unique CDR3  
13 unique J



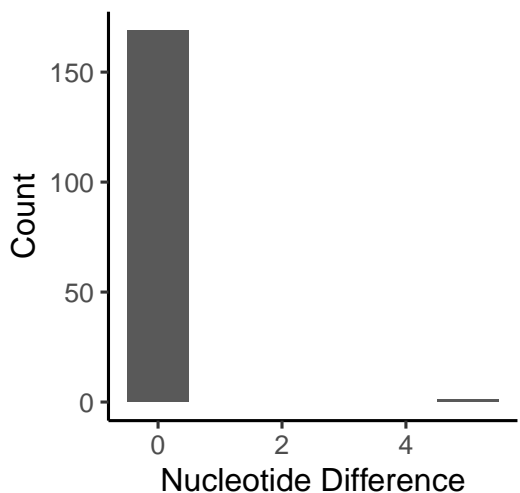
### TRBV11-1\*ap01

409 sequences assigned  
408 (99.8%) exact matches, in which:  
407 unique CDR3  
13 unique J



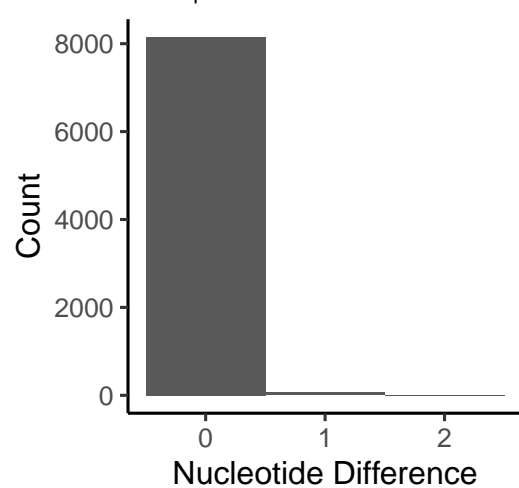
### TRBV12-1\*ap01

170 sequences assigned  
169 (99.4%) exact matches, in which:  
168 unique CDR3  
13 unique J



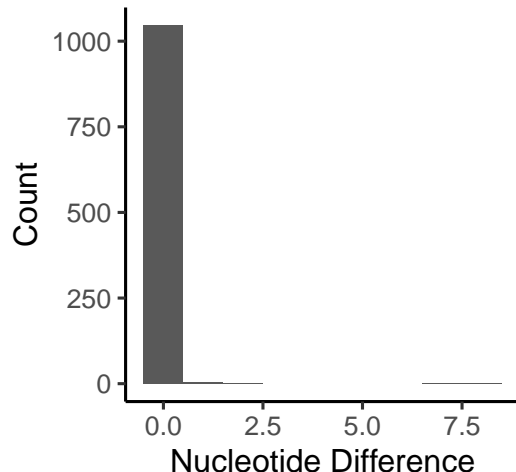
### TRBV12-34\*ap01

8216 sequences assigned  
8151 (99.2%) exact matches, in which:  
8089 unique CDR3  
13 unique J



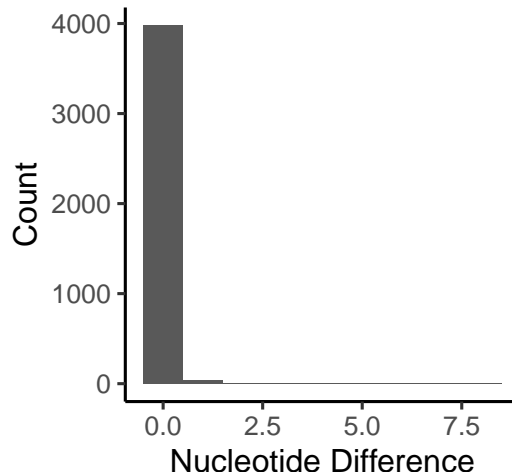
### TRBV23-1\*ap01

1054 sequences assigned  
1046 (99.2%) exact matches, in which:  
1040 unique CDR3  
13 unique J



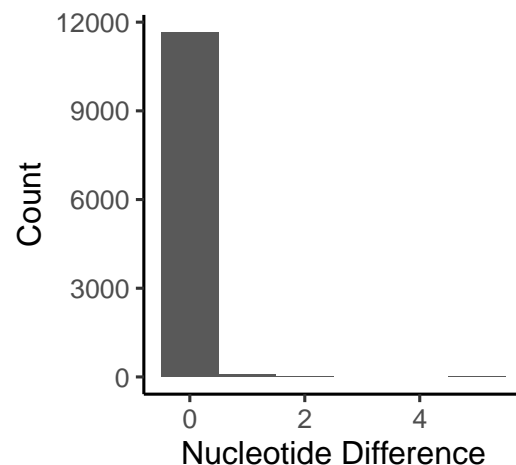
### TRBV24-1\*ap01

4026 sequences assigned  
3979 (98.8%) exact matches, in which:  
3939 unique CDR3  
13 unique J



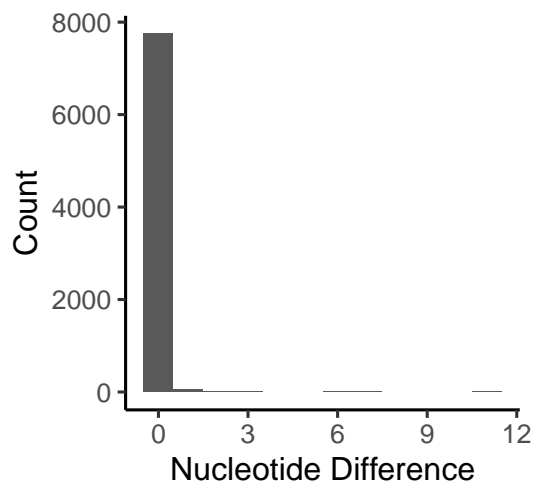
### TRBV5-1\*ap01

11766 sequences assigned  
11662 (99.1%) exact matches, in which:  
11472 unique CDR3  
13 unique J



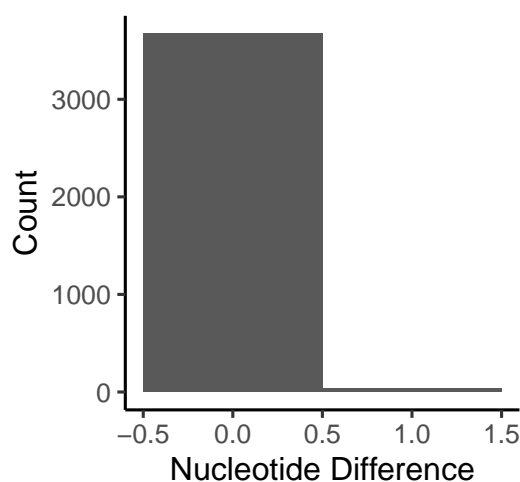
### TRBV3-12\*ap01

7802 sequences assigned  
7749 (99.3%) exact matches, in which:  
7666 unique CDR3  
13 unique J



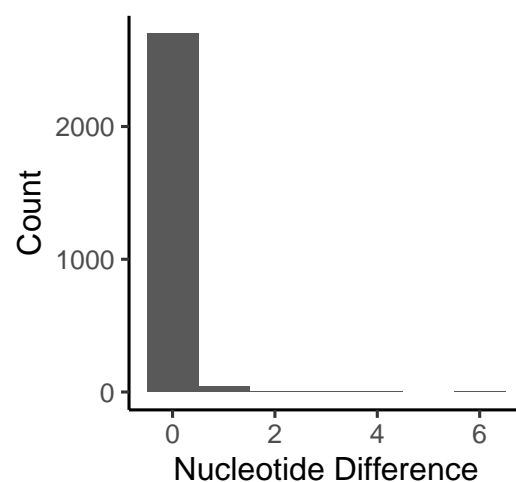
### TRBV4-2\*ap01

3709 sequences assigned  
3672 (99%) exact matches, in which:  
3637 unique CDR3  
13 unique J



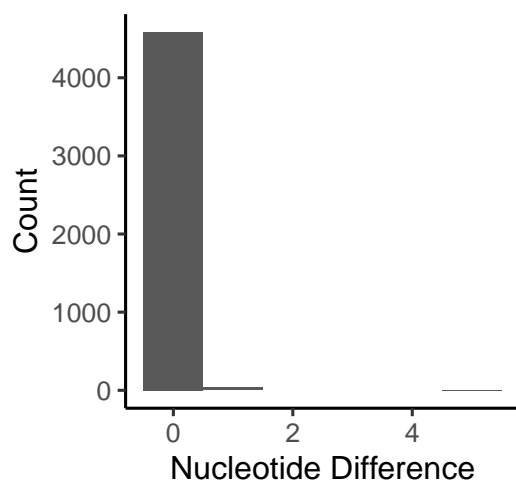
### TRBV25-1\*ap01

2747 sequences assigned  
2699 (98.3%) exact matches, in which:  
2655 unique CDR3  
13 unique J



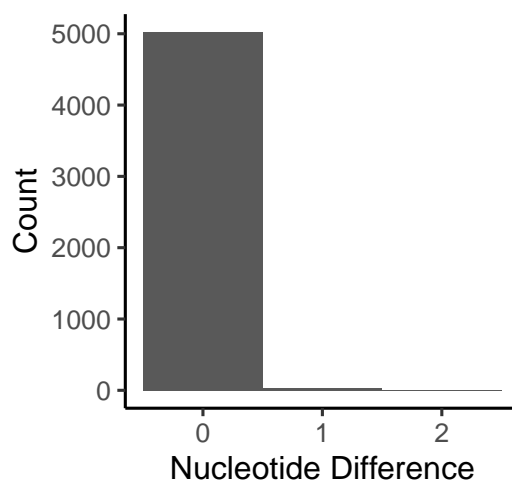
### TRBV4-1\*ap01

4621 sequences assigned  
4585 (99.2%) exact matches, in which:  
4524 unique CDR3  
13 unique J



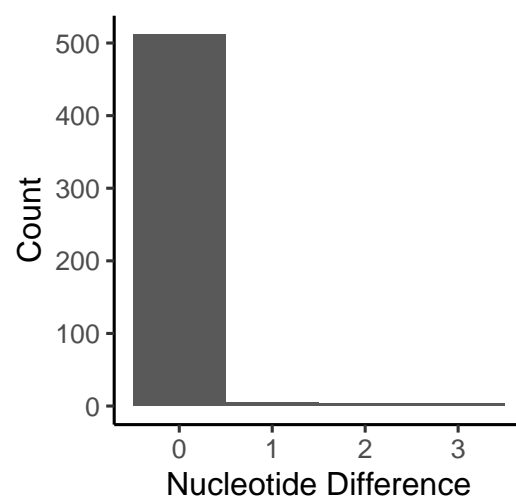
### TRBV4-3\*ap01

5060 sequences assigned  
5024 (99.3%) exact matches, in which:  
4967 unique CDR3  
13 unique J



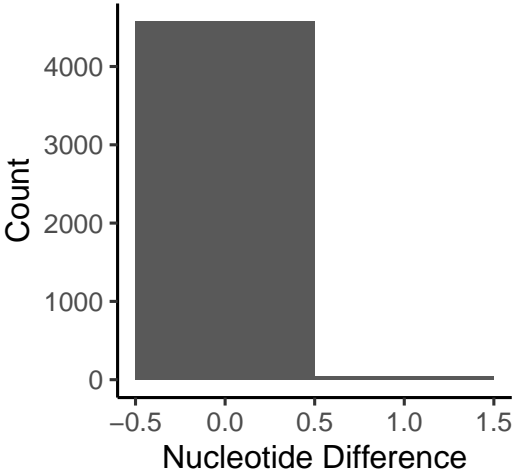
### TRBV5-3\*ap01

523 sequences assigned  
512 (97.9%) exact matches, in which:  
508 unique CDR3  
13 unique J



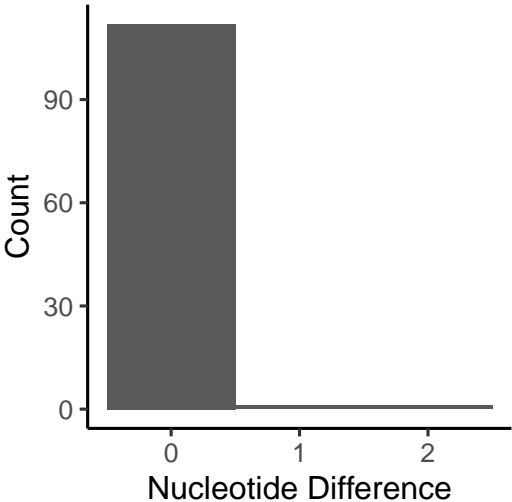
TRBV5-4\*ap01

4622 sequences assigned  
4576 (99%) exact matches, in which:  
4522 unique CDR3  
13 unique J



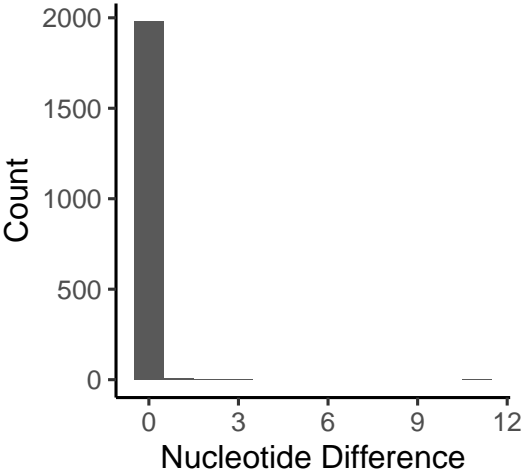
TRBV5-7\*ap01

114 sequences assigned  
112 (98.2%) exact matches, in which:  
110 unique CDR3  
13 unique J



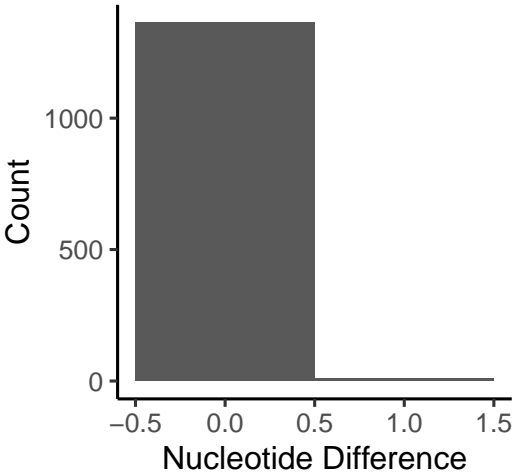
TRBV6-4\*ap01

1996 sequences assigned  
1980 (99.2%) exact matches, in which:  
1965 unique CDR3  
13 unique J



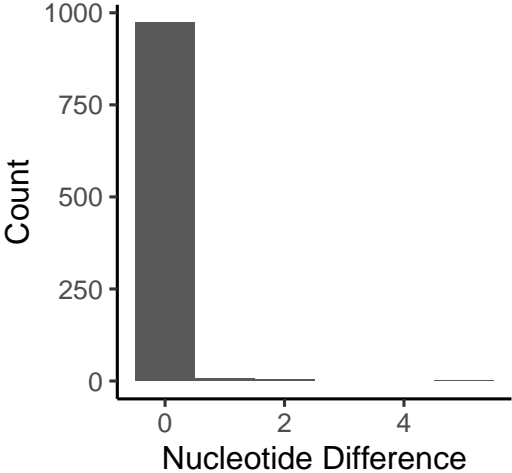
TRBV5-5\*ap01

1371 sequences assigned  
1363 (99.4%) exact matches, in which:  
1355 unique CDR3  
13 unique J



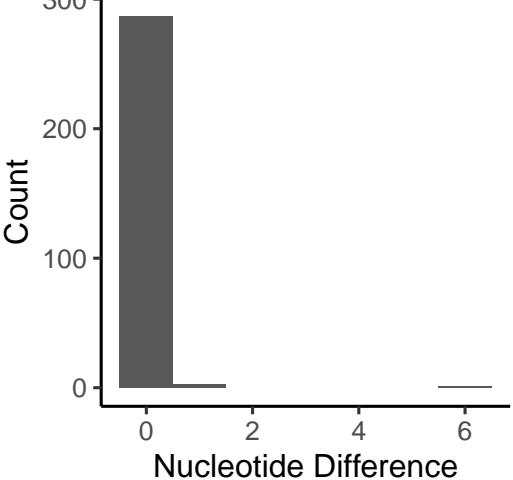
TRBV5-8\*ap01

985 sequences assigned  
973 (98.8%) exact matches, in which:  
967 unique CDR3  
13 unique J



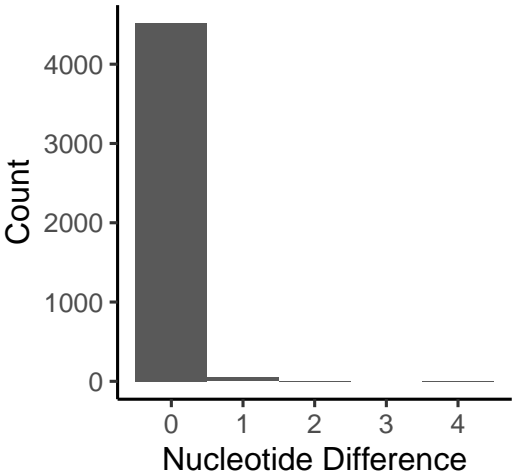
TRBV6-7\*ap01

291 sequences assigned  
287 (98.6%) exact matches, in which:  
284 unique CDR3  
13 unique J



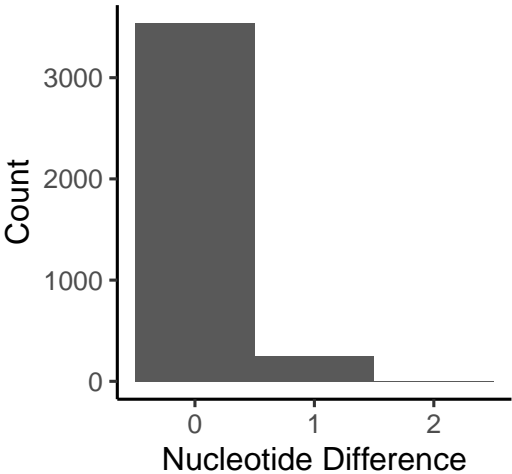
TRBV5-6\*ap01

4567 sequences assigned  
4519 (98.9%) exact matches, in which:  
4423 unique CDR3  
13 unique J



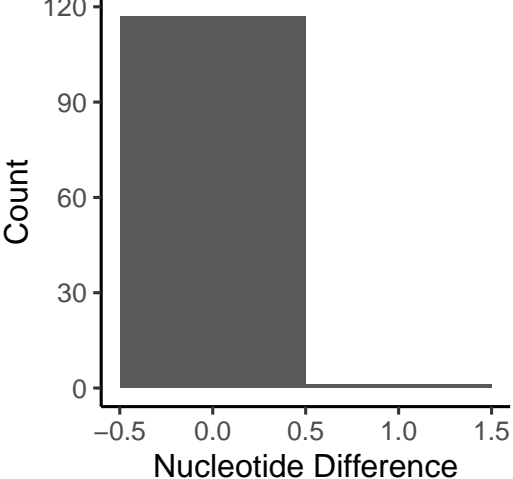
TRBV6-1\*ap01

3790 sequences assigned  
3540 (93.4%) exact matches, in which:  
3489 unique CDR3  
13 unique J



TRBV6-8\*ap01

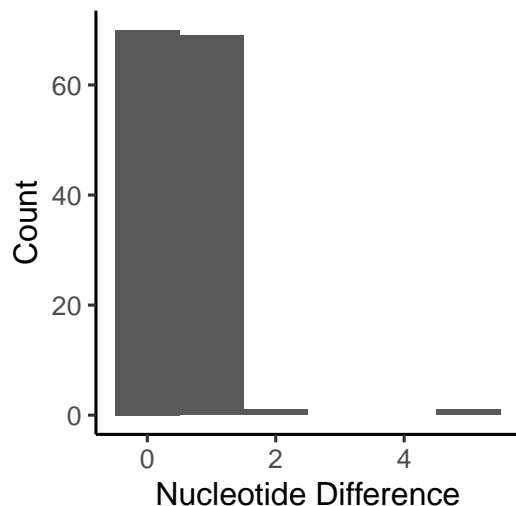
118 sequences assigned  
117 (99.2%) exact matches, in which:  
112 unique CDR3  
13 unique J





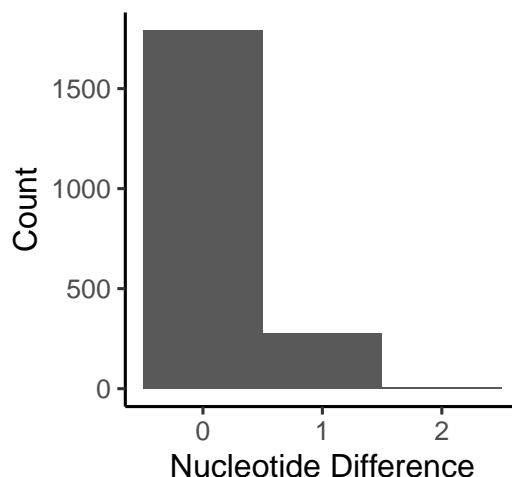
### TRBV6-9\*ap01

141 sequences assigned  
70 (49.6%) exact matches, in which:  
70 unique CDR3  
13 unique J



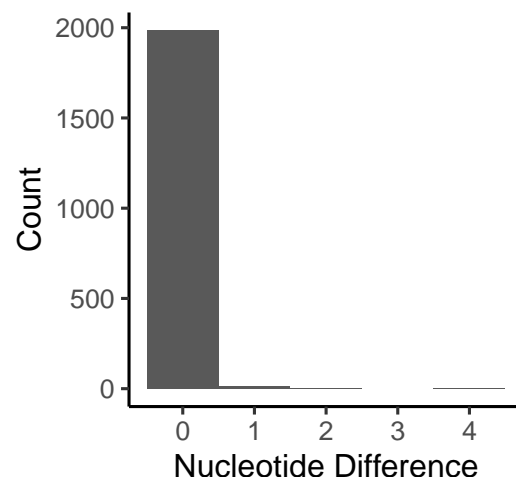
### TRBV6-56\*ap02

2074 sequences assigned  
1791 (86.4%) exact matches, in which:  
1769 unique CDR3  
13 unique J



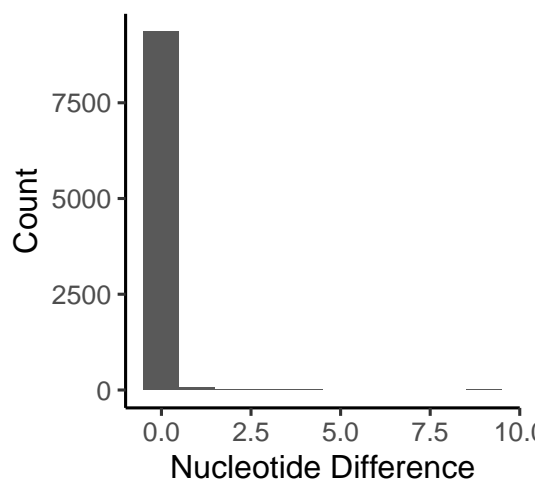
### TRBV7-3\*ap01

2001 sequences assigned  
1985 (99.2%) exact matches, in which:  
1973 unique CDR3  
13 unique J



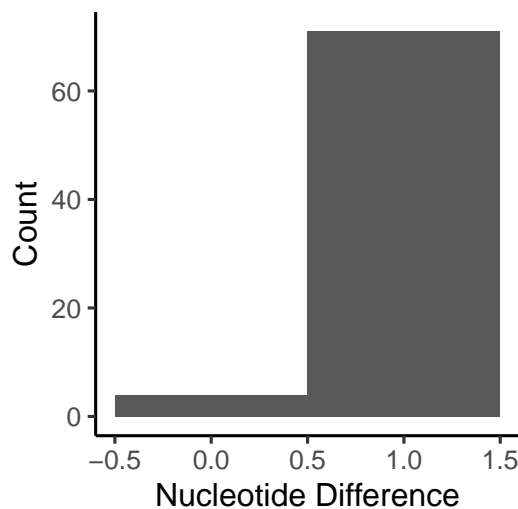
### TRBV6-23\*ap01

9437 sequences assigned  
9355 (99.1%) exact matches, in which:  
9207 unique CDR3  
13 unique J



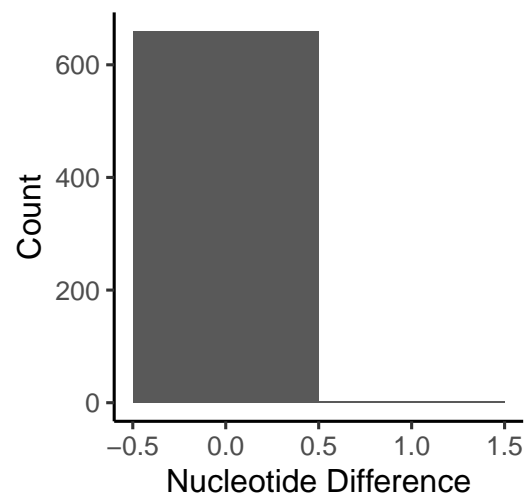
### TRBV7-1\*ap01\_T296C

75 sequences assigned  
4 (5.3%) exact matches, in which:  
4 unique CDR3  
3 unique J



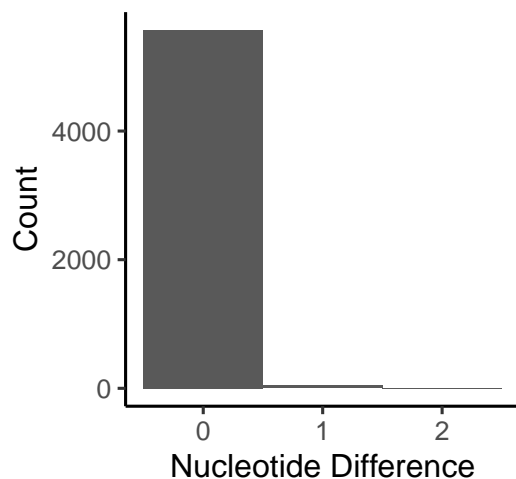
### TRBV7-3\*ap02

663 sequences assigned  
660 (99.5%) exact matches, in which:  
654 unique CDR3  
13 unique J



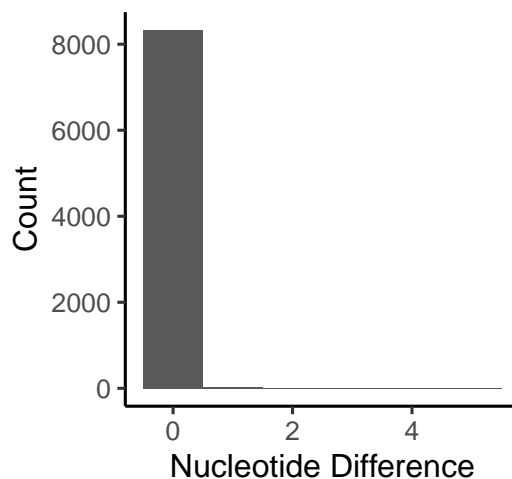
### TRBV6-56\*ap01

5617 sequences assigned  
5570 (99.2%) exact matches, in which:  
5490 unique CDR3  
13 unique J



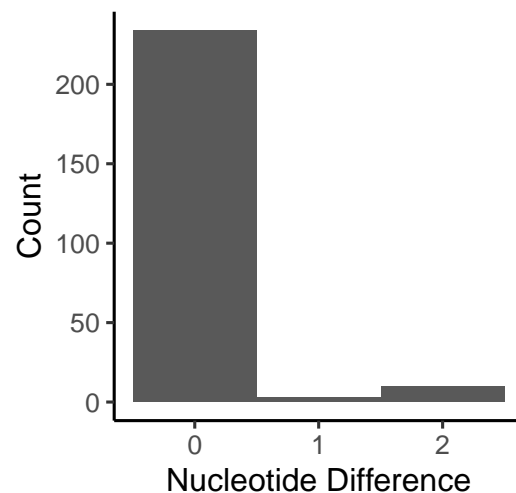
### TRBV7-2\*ap01

8371 sequences assigned  
8329 (99.5%) exact matches, in which:  
8266 unique CDR3  
13 unique J



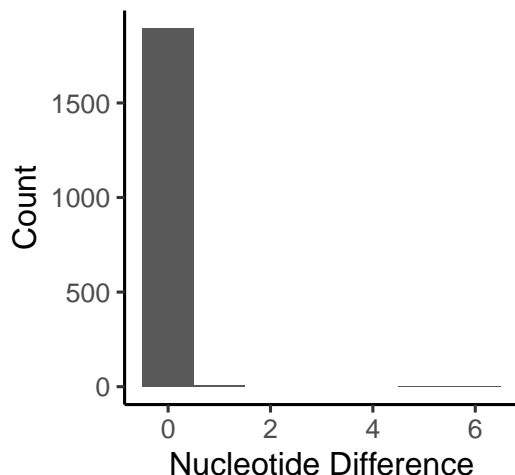
### TRBV7-4\*ap01

247 sequences assigned  
234 (94.7%) exact matches, in which:  
234 unique CDR3  
13 unique J



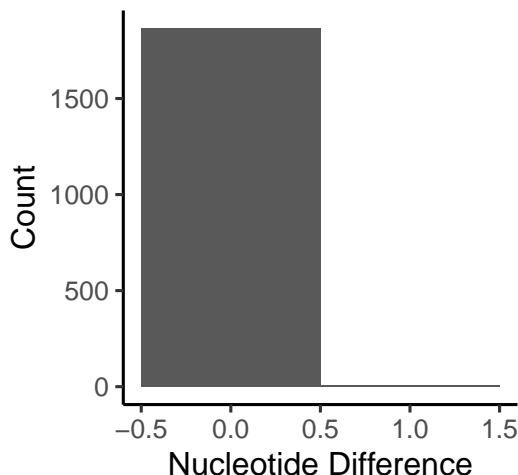
### TRBV7-6\*ap01

1904 sequences assigned  
1894 (99.5%) exact matches, in which:  
1877 unique CDR3  
13 unique J



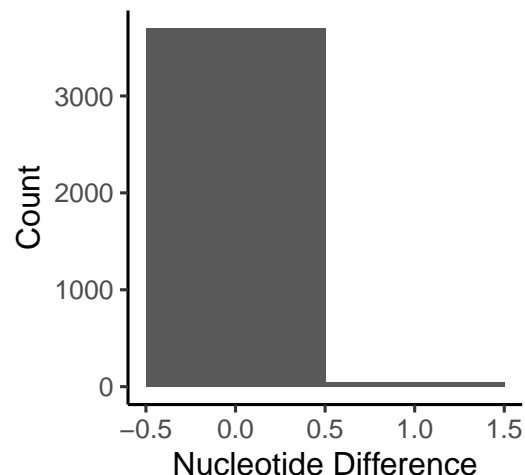
### TRBV7-8\*ap01

1874 sequences assigned  
1865 (99.5%) exact matches, in which:  
1847 unique CDR3  
13 unique J



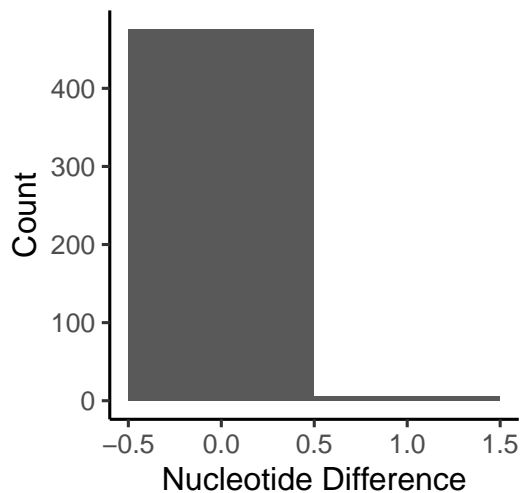
### TRBV29-1\*ap01

3745 sequences assigned  
3697 (98.7%) exact matches, in which:  
3640 unique CDR3  
13 unique J



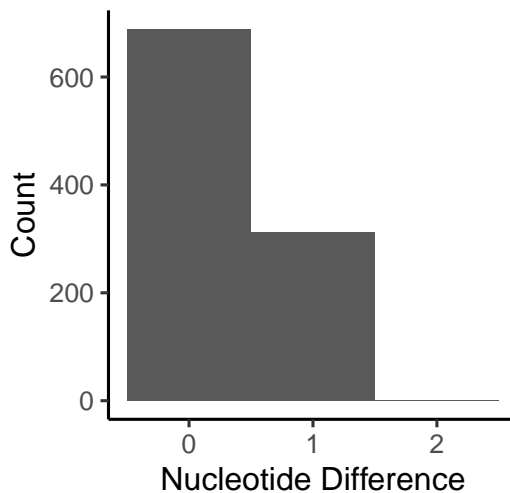
### TRBV7-7\*ap01

482 sequences assigned  
476 (98.8%) exact matches, in which:  
471 unique CDR3  
13 unique J



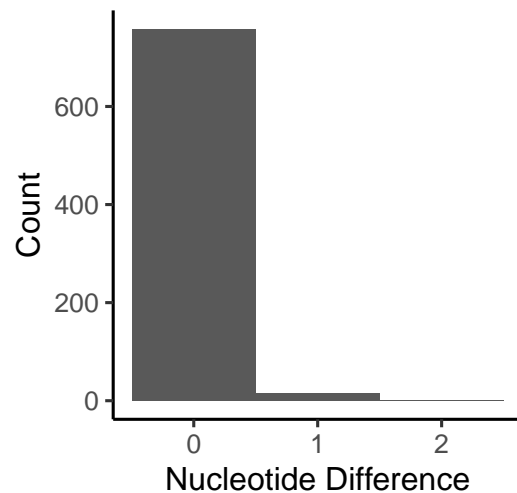
### TRBV7-8\*ap03

1003 sequences assigned  
689 (68.7%) exact matches, in which:  
683 unique CDR3  
13 unique J



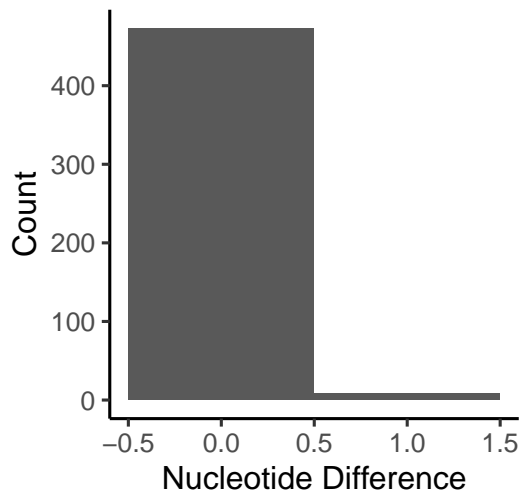
### TRBV29-1\*ap02

774 sequences assigned  
758 (97.9%) exact matches, in which:  
739 unique CDR3  
13 unique J



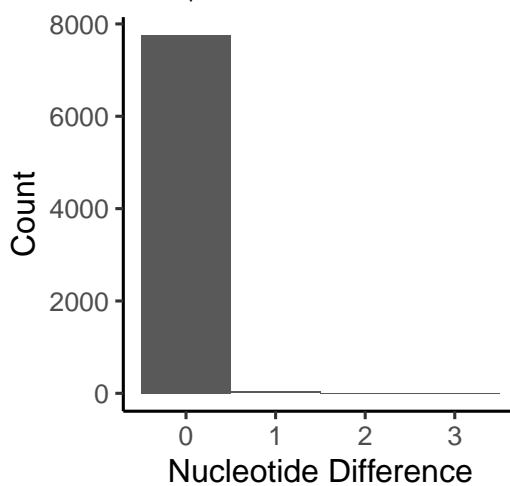
### TRBV7-7\*ap01\_C315T

481 sequences assigned  
473 (98.3%) exact matches, in which:  
468 unique CDR3  
13 unique J

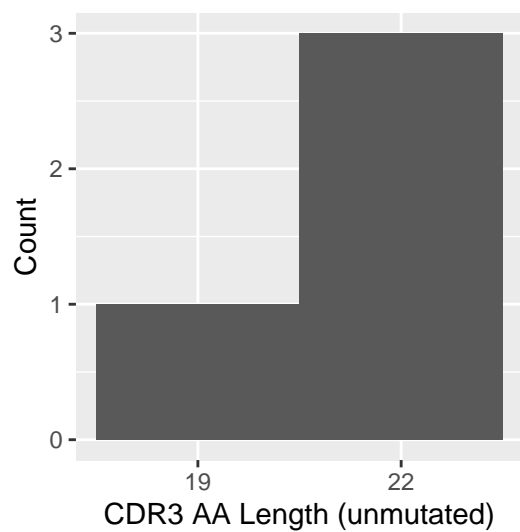


### TRBV7-9\*ap01

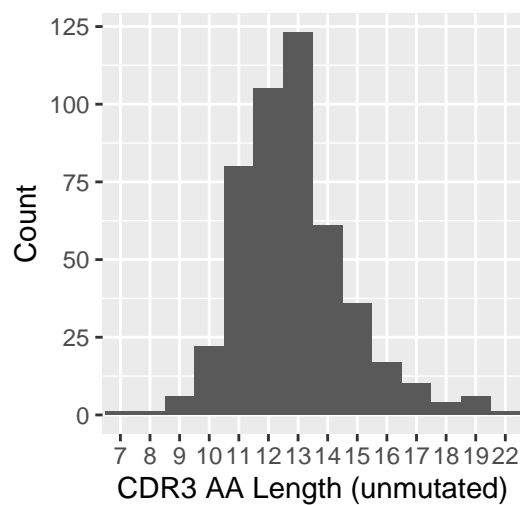
7804 sequences assigned  
7759 (99.4%) exact matches, in which:  
7700 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





[illegible]