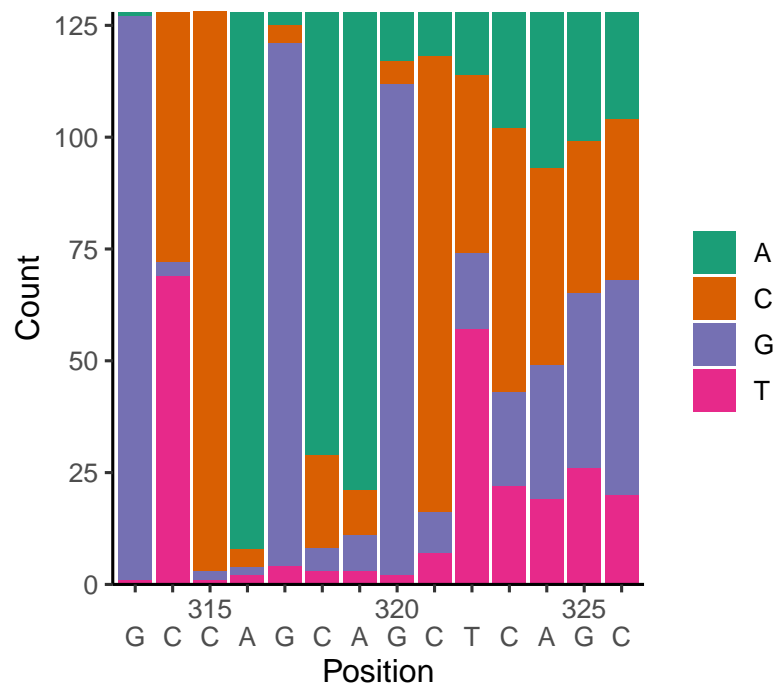
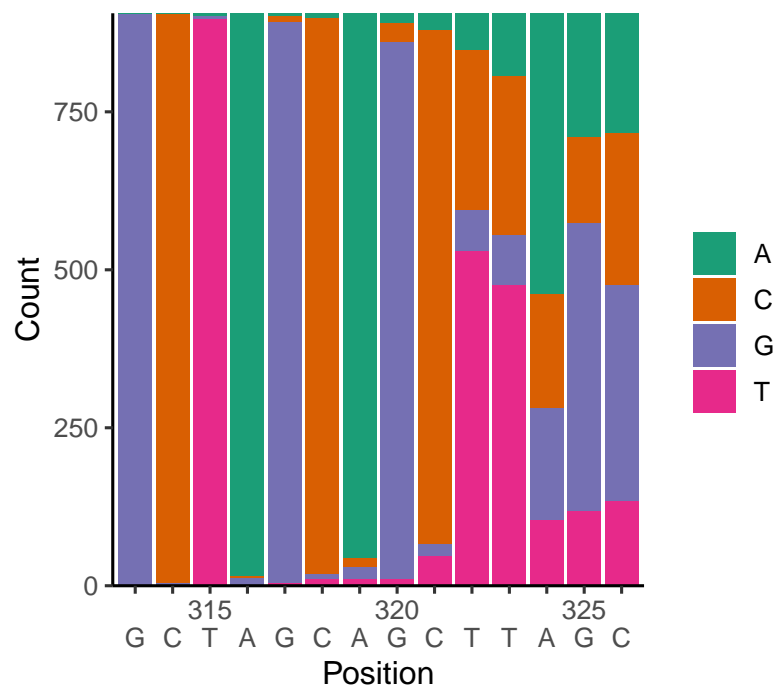


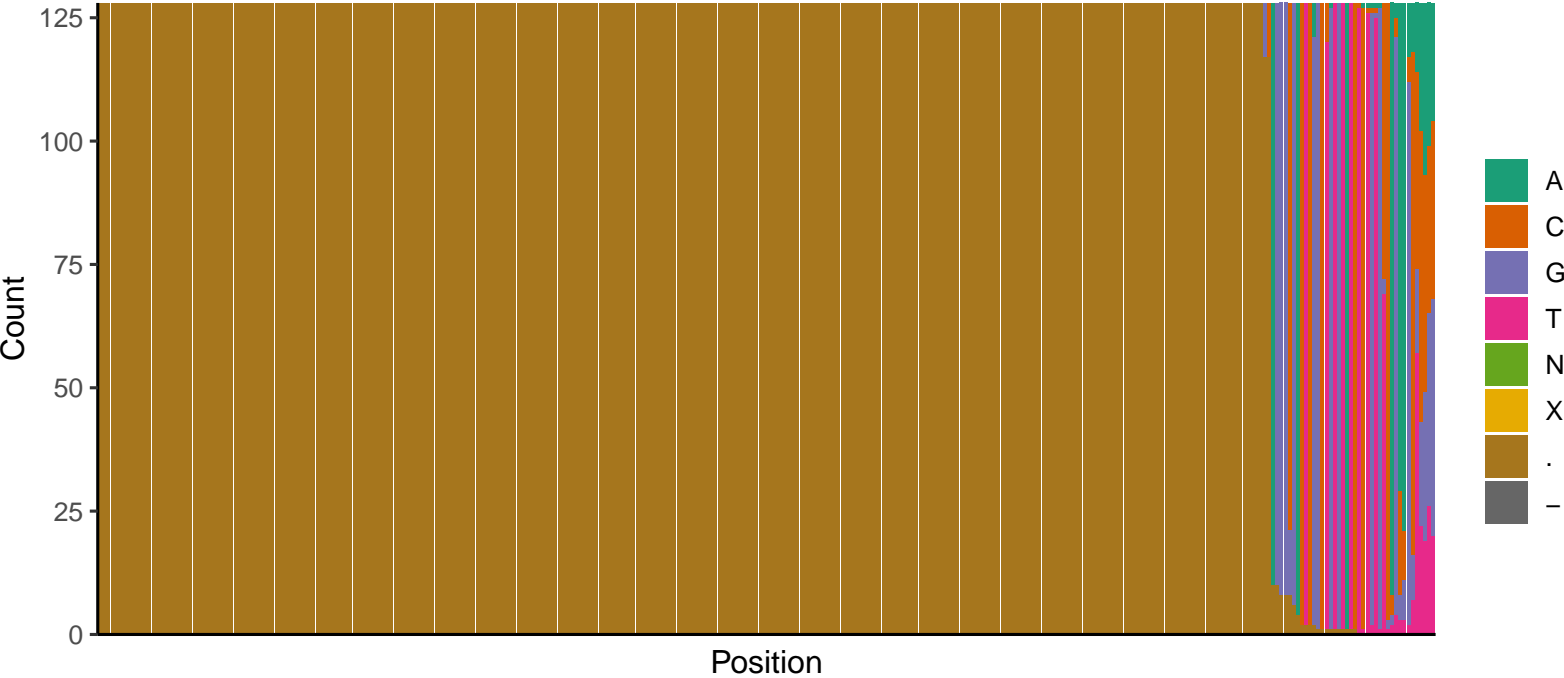
Gene TRBV7-1\*ap01\_T296C



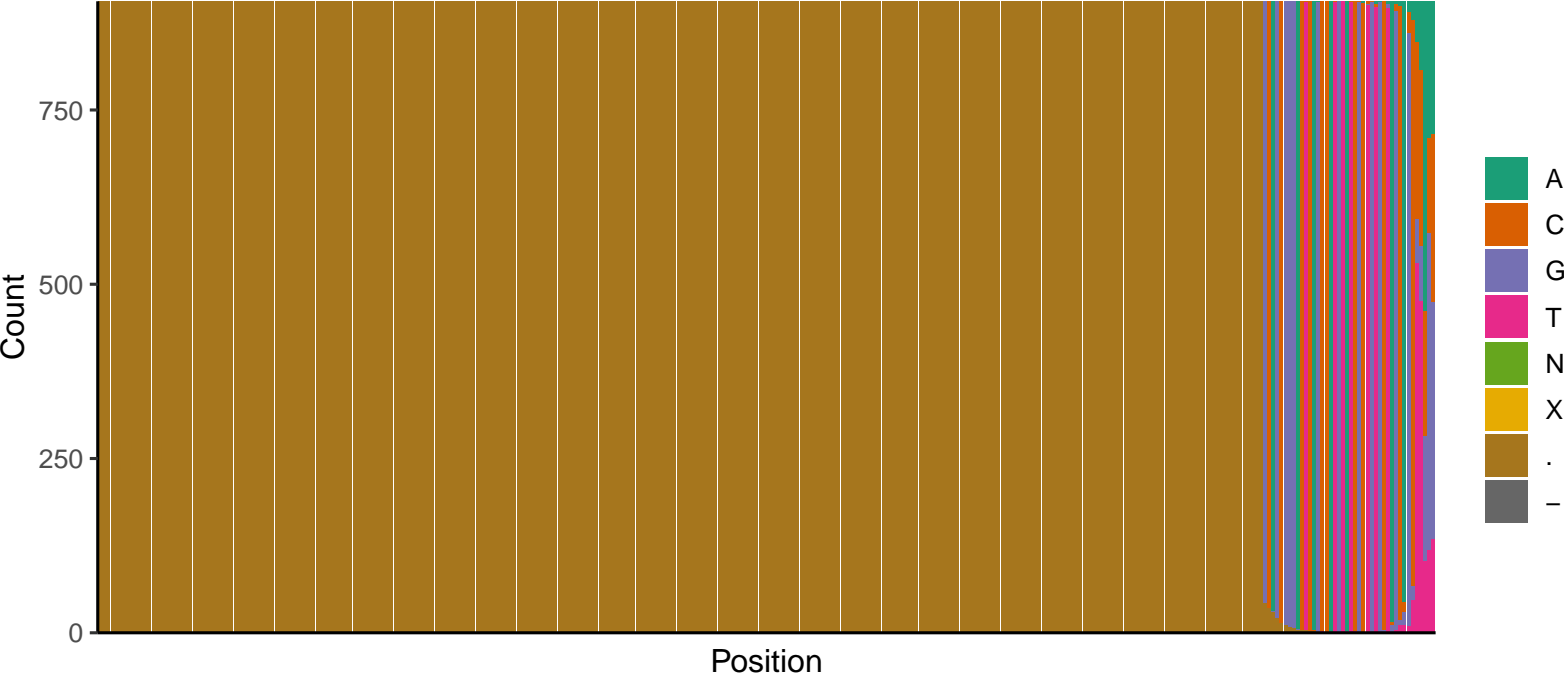
Gene TRBV7-7\*ap01\_C315T



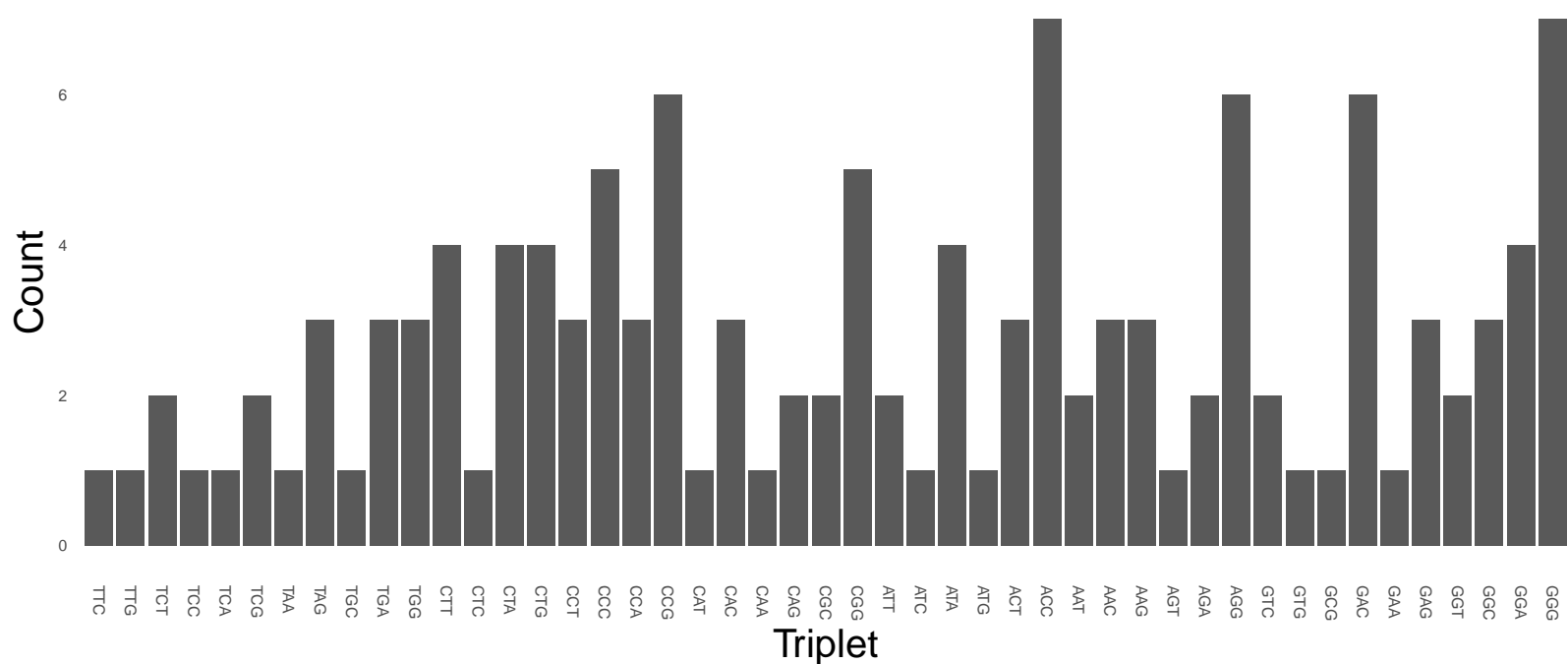
Gene TRBV7-1\*ap01\_T296C



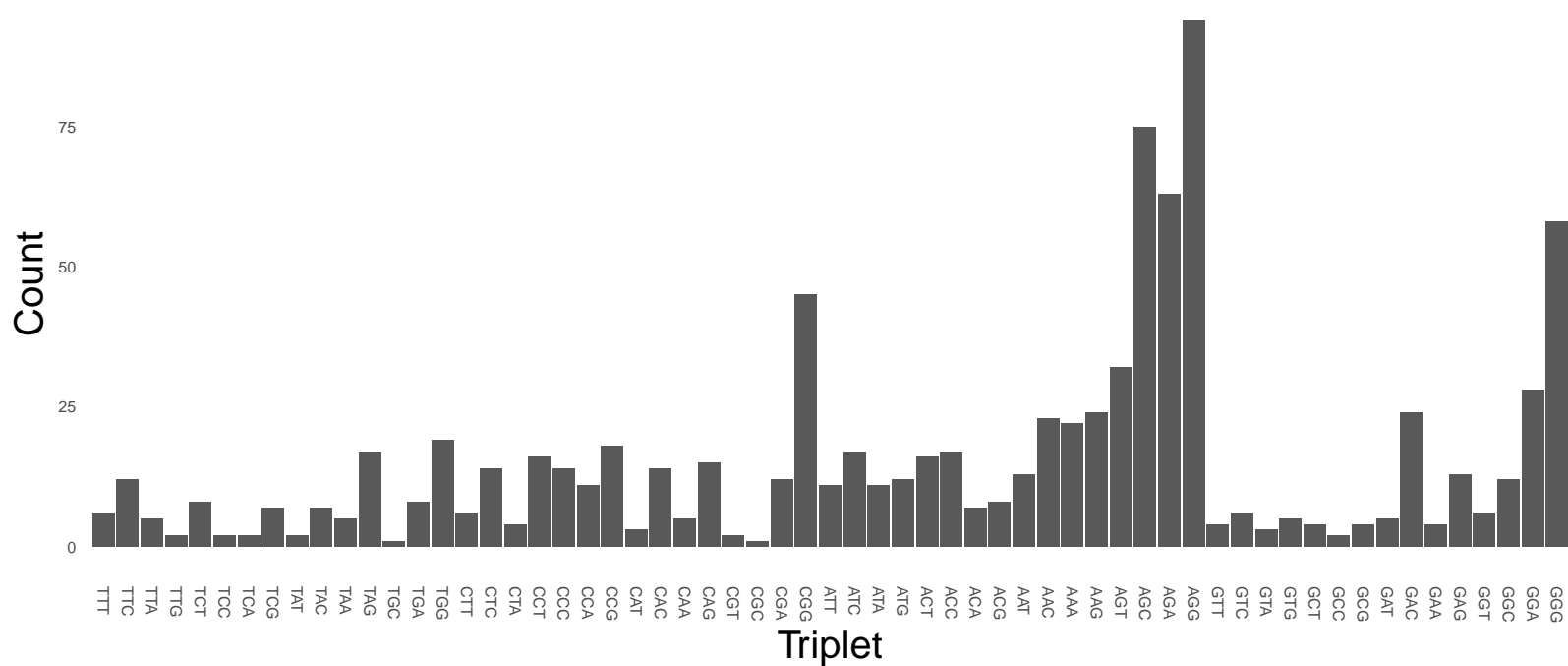
Gene TRBV7-7\*ap01\_C315T



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

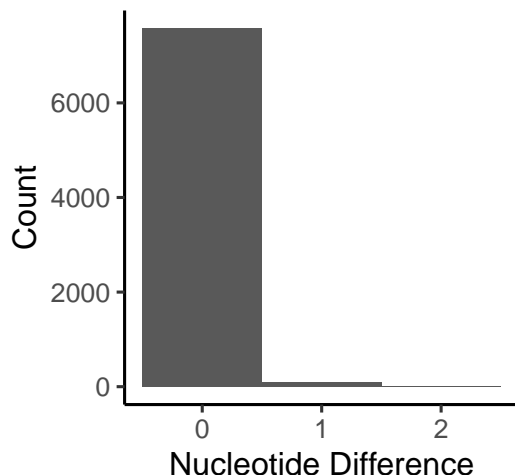


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



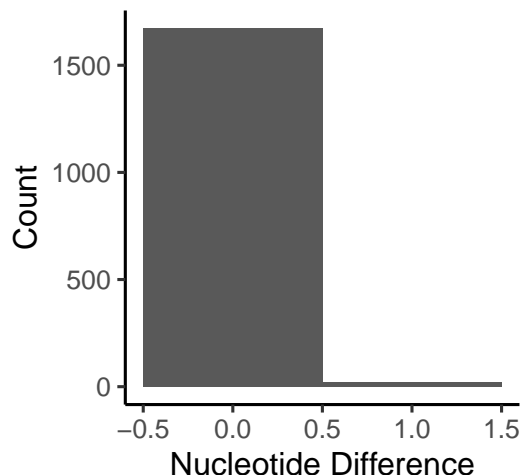
### TRBV20-1\*ap01

7671 sequences assigned  
7575 (98.7%) exact matches, in which:  
7446 unique CDR3  
13 unique J



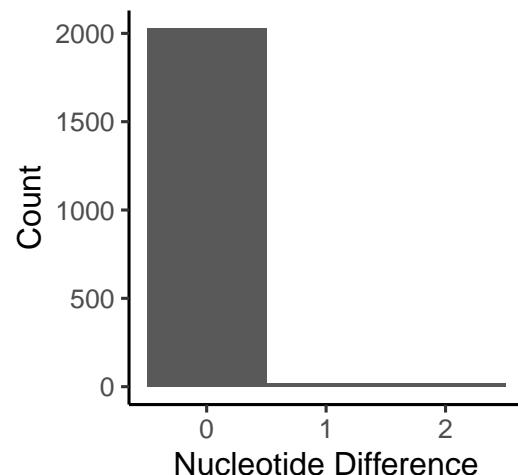
### TRBV10-2\*ap01

1693 sequences assigned  
1672 (98.8%) exact matches, in which:  
1635 unique CDR3  
13 unique J



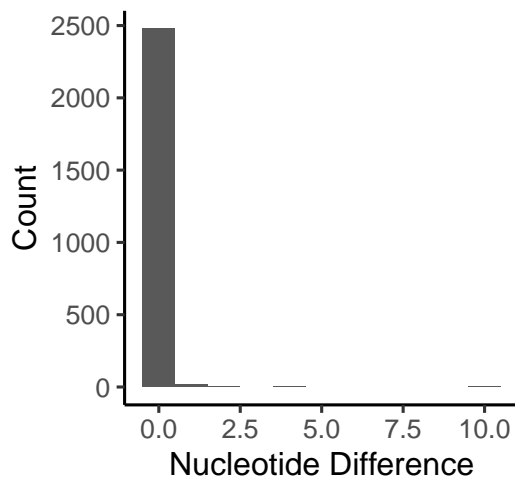
### TRBV13\*ap01

2069 sequences assigned  
2028 (98%) exact matches, in which:  
1977 unique CDR3  
13 unique J



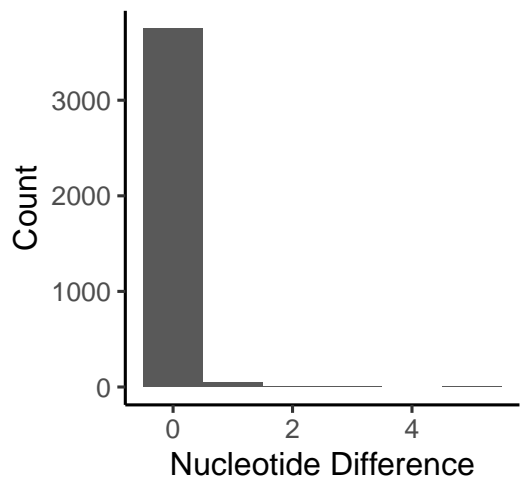
### TRBV10-1\*ap01

2497 sequences assigned  
2478 (99.2%) exact matches, in which:  
2414 unique CDR3  
13 unique J



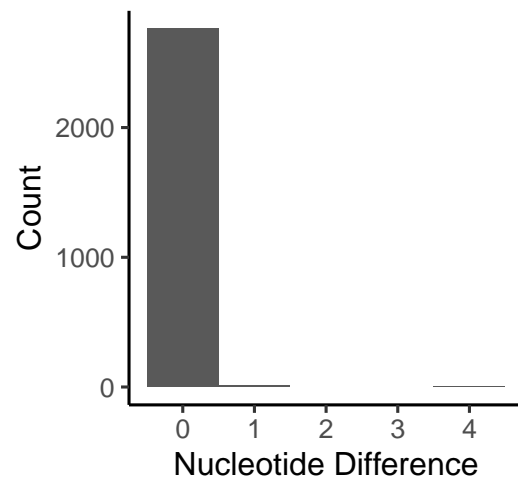
### TRBV10-3\*ap01

3804 sequences assigned  
3748 (98.5%) exact matches, in which:  
3659 unique CDR3  
13 unique J



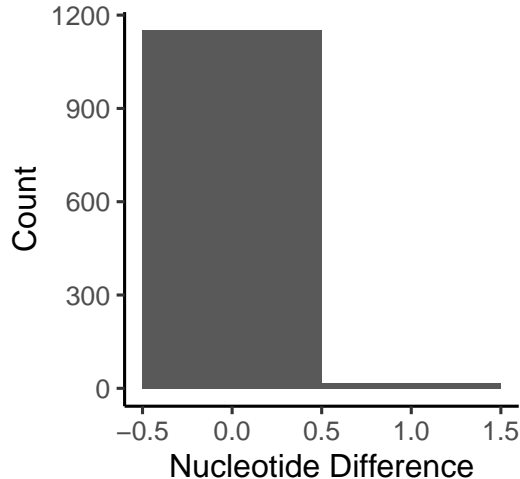
### TRBV14\*ap01

2774 sequences assigned  
2762 (99.6%) exact matches, in which:  
2703 unique CDR3  
13 unique J



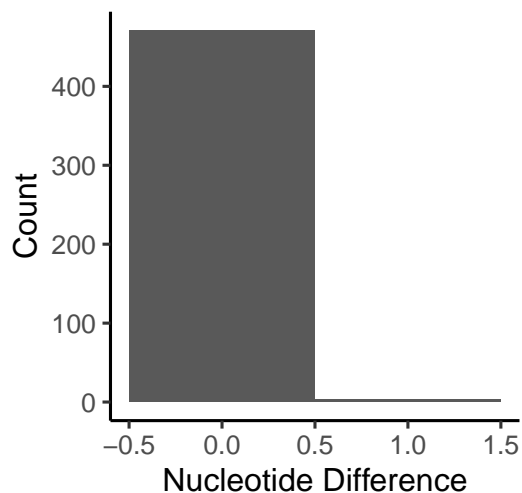
### TRBV20-1\*ap02

1169 sequences assigned  
1152 (98.5%) exact matches, in which:  
1136 unique CDR3  
13 unique J



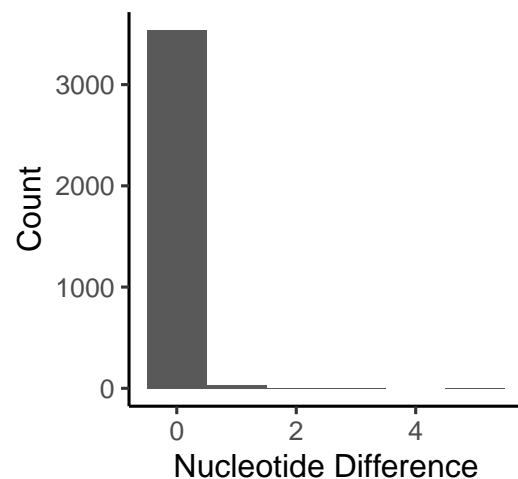
### TRBV1\*ap01

474 sequences assigned  
471 (99.4%) exact matches, in which:  
461 unique CDR3  
13 unique J



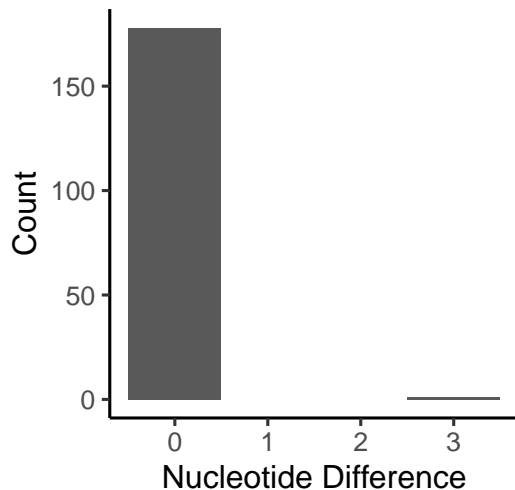
### TRBV15\*ap02

3577 sequences assigned  
3539 (98.9%) exact matches, in which:  
3455 unique CDR3  
13 unique J



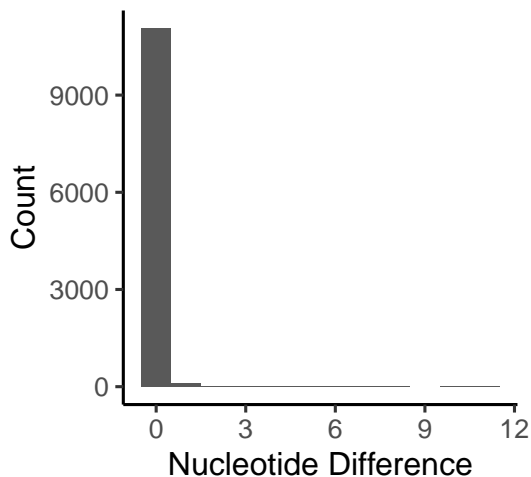
### TRBV16\*ap01

179 sequences assigned  
178 (99.4%) exact matches, in which:  
177 unique CDR3  
12 unique J



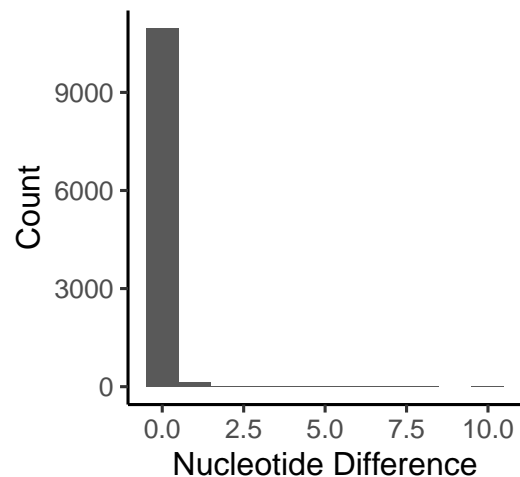
### TRBV19\*ap01

11180 sequences assigned  
11059 (98.9%) exact matches, in which:  
10923 unique CDR3  
14 unique J



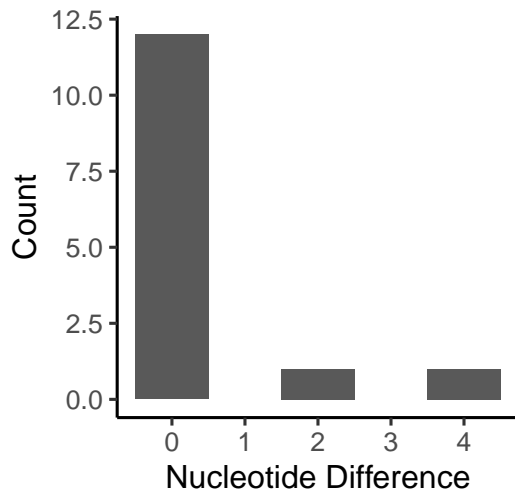
### TRBV27\*ap01

11113 sequences assigned  
10957 (98.6%) exact matches, in which:  
10685 unique CDR3  
13 unique J



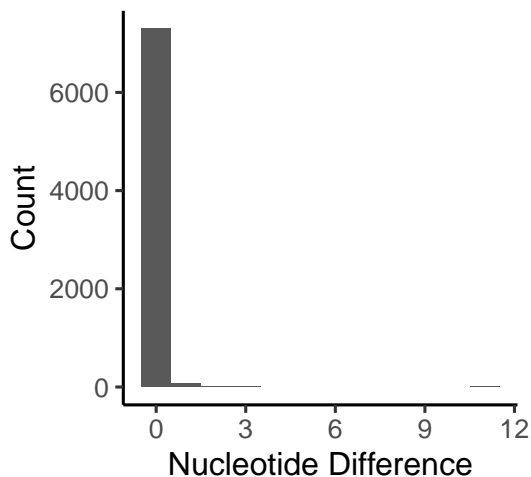
### TRBV17\*ap01

14 sequences assigned  
12 (85.7%) exact matches, in which:  
12 unique CDR3  
5 unique J



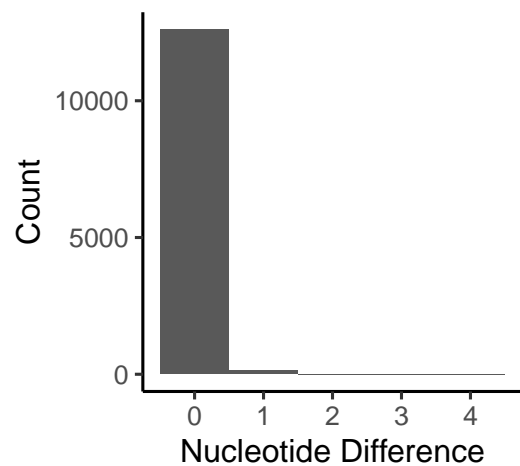
### TRBV2\*ap01

7384 sequences assigned  
7297 (98.8%) exact matches, in which:  
7116 unique CDR3  
13 unique J



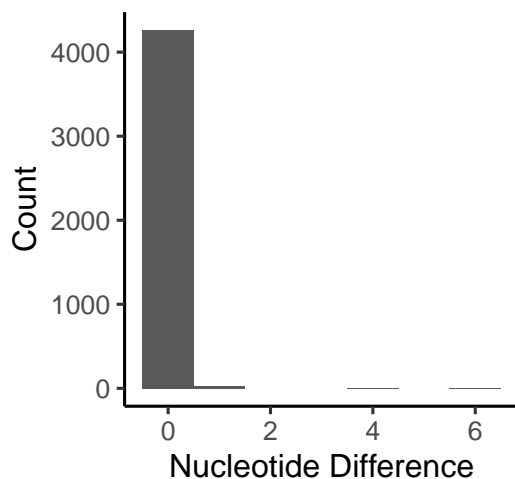
### TRBV28\*ap01

12750 sequences assigned  
12606 (98.9%) exact matches, in which:  
12327 unique CDR3  
13 unique J



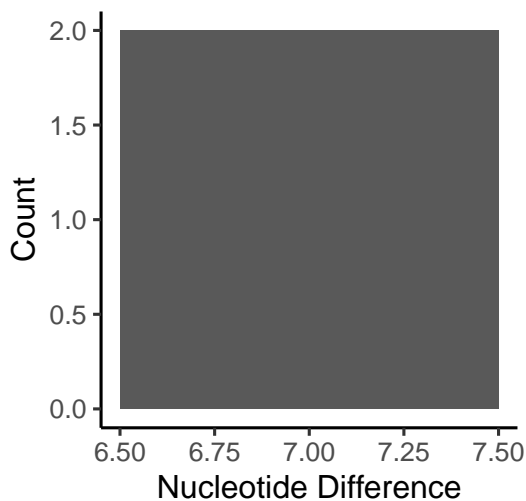
### TRBV18\*ap01

4297 sequences assigned  
4263 (99.2%) exact matches, in which:  
4219 unique CDR3  
13 unique J



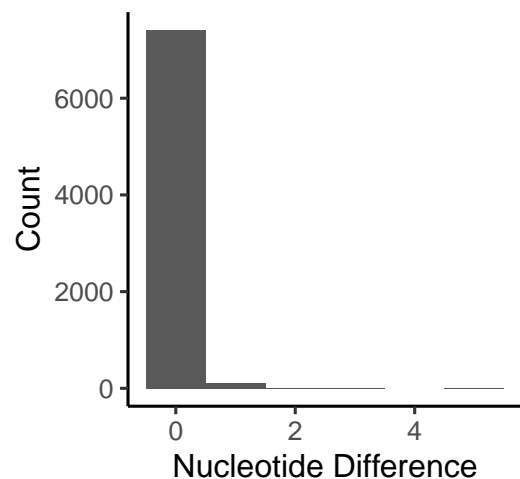
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



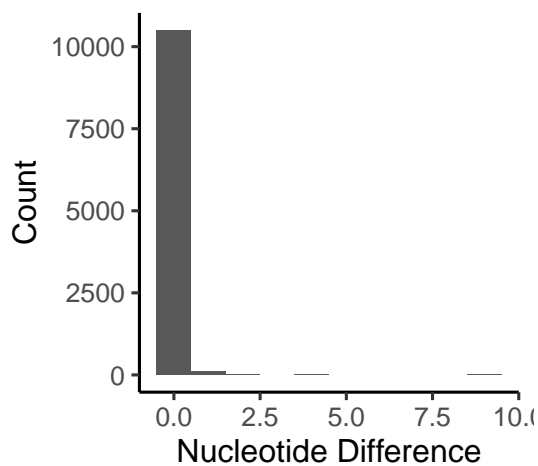
### TRBV30\*ap01

7524 sequences assigned  
7410 (98.5%) exact matches, in which:  
7315 unique CDR3  
13 unique J



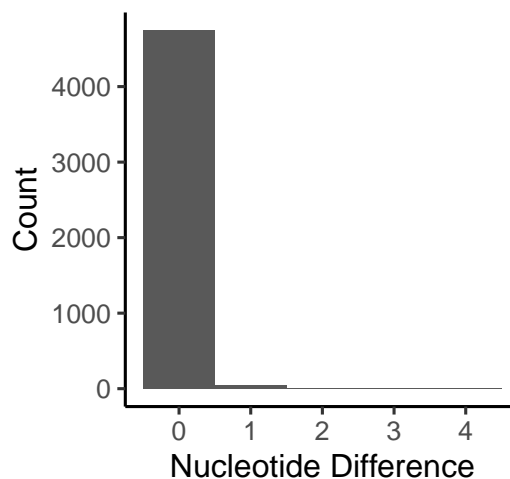
### TRBV9\*ap01

10611 sequences assigned  
10503 (99%) exact matches, in which:  
10310 unique CDR3  
13 unique J



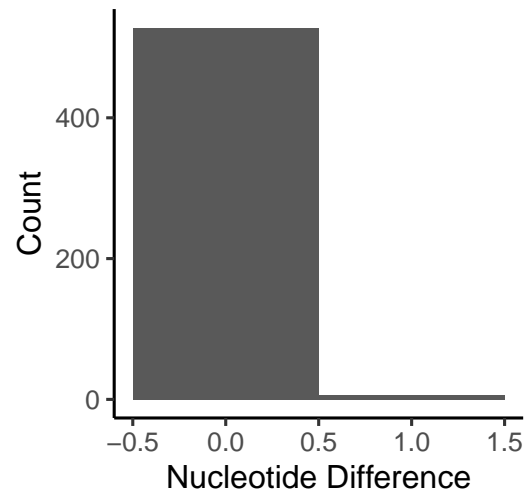
### TRBV11-2\*ap01

4791 sequences assigned  
4744 (99%) exact matches, in which:  
4666 unique CDR3  
13 unique J



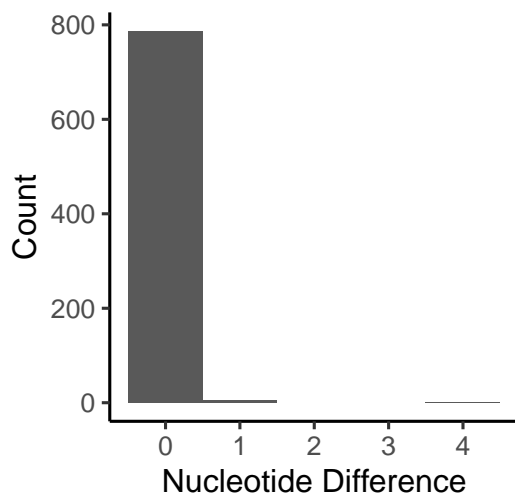
### TRBV12-2\*ap01

534 sequences assigned  
528 (98.9%) exact matches, in which:  
517 unique CDR3  
13 unique J



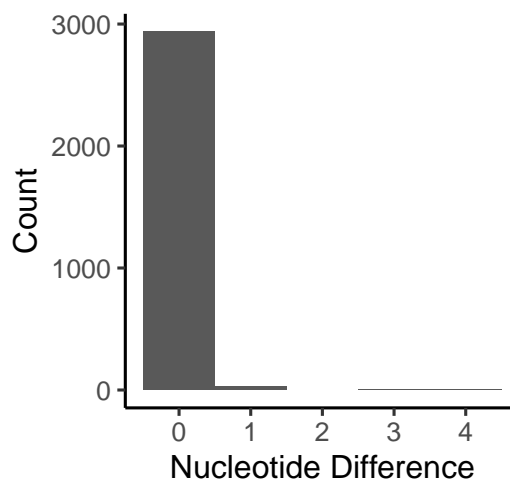
### TRBV11-1\*ap01

793 sequences assigned  
787 (99.2%) exact matches, in which:  
768 unique CDR3  
13 unique J



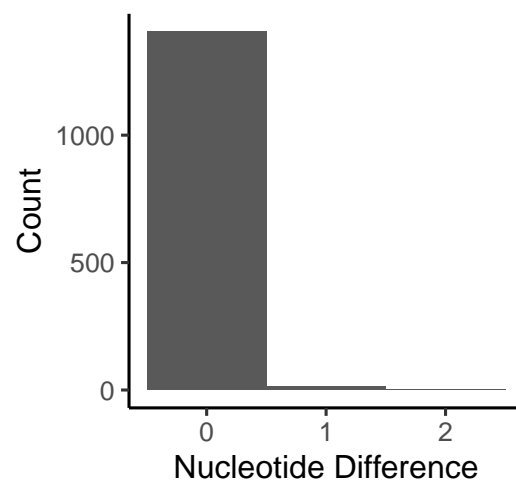
### TRBV11-3\*ap01

2971 sequences assigned  
2937 (98.9%) exact matches, in which:  
2886 unique CDR3  
13 unique J



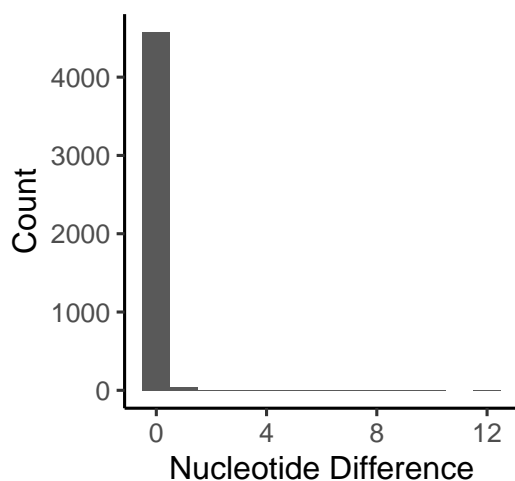
### TRBV12-5\*ap01

1424 sequences assigned  
1406 (98.7%) exact matches, in which:  
1383 unique CDR3  
13 unique J



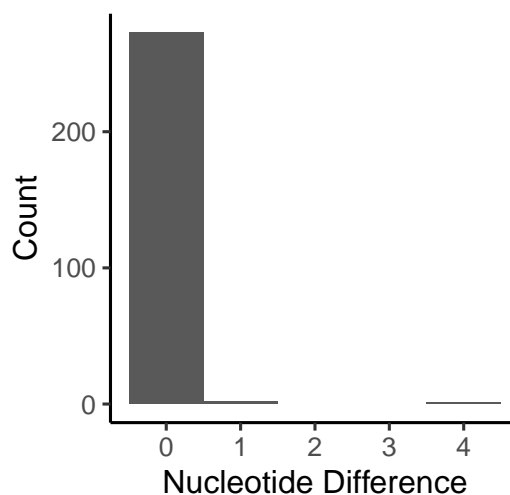
### TRBV21-1\*ap01

4645 sequences assigned  
4576 (98.5%) exact matches, in which:  
4501 unique CDR3  
13 unique J



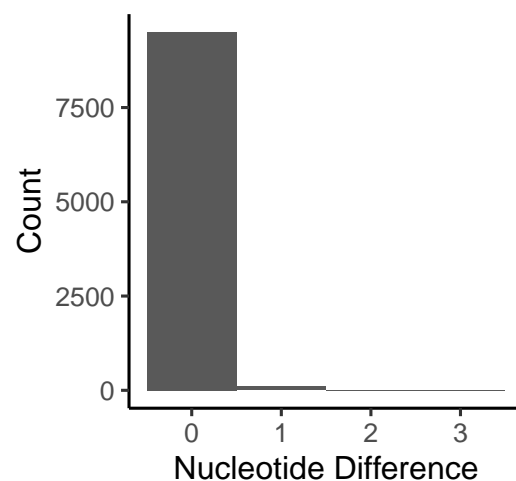
### TRBV12-1\*ap01

276 sequences assigned  
273 (98.9%) exact matches, in which:  
269 unique CDR3  
13 unique J



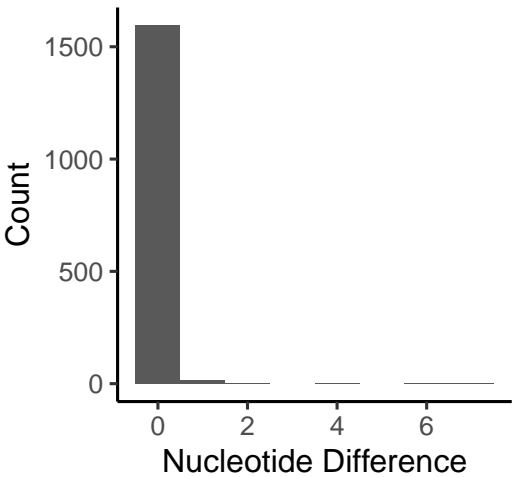
### TRBV12-34\*ap01

9616 sequences assigned  
9502 (98.8%) exact matches, in which:  
9308 unique CDR3  
13 unique J



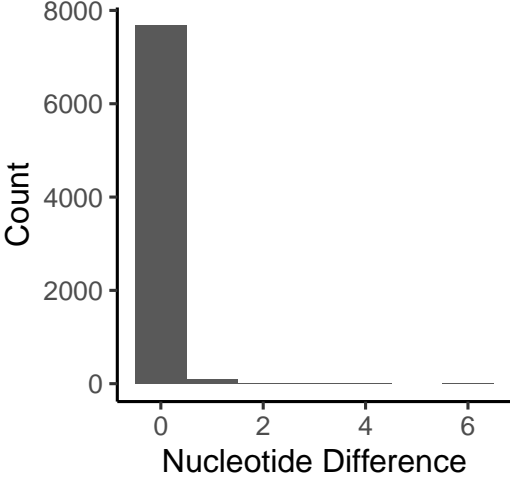
TRBV23-1\*ap01

1616 sequences assigned  
1595 (98.7%) exact matches, in which:  
1568 unique CDR3  
13 unique J



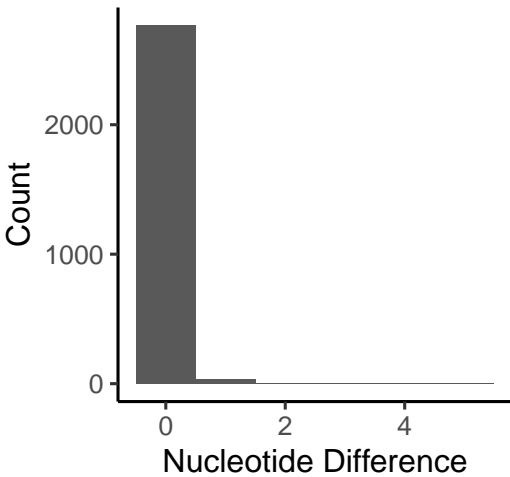
TRBV24-1\*ap01

7795 sequences assigned  
7679 (98.5%) exact matches, in which:  
7544 unique CDR3  
13 unique J



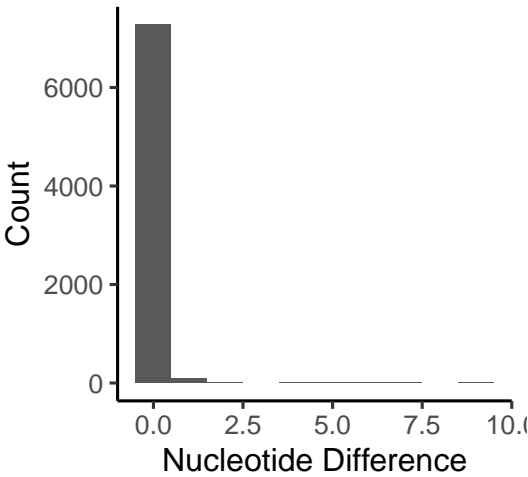
TRBV25-1\*ap01

2812 sequences assigned  
2767 (98.4%) exact matches, in which:  
2717 unique CDR3  
13 unique J



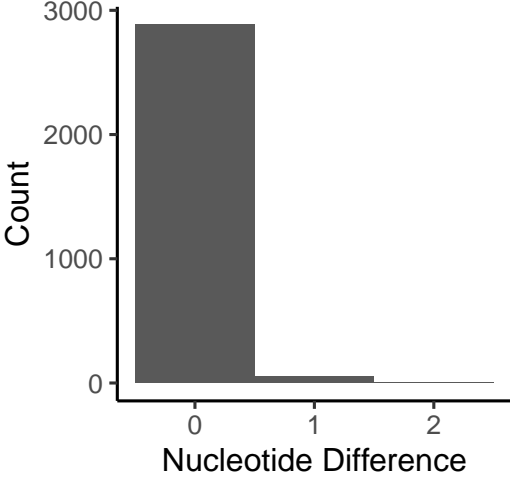
TRBV3-12\*ap01

7375 sequences assigned  
7274 (98.6%) exact matches, in which:  
7135 unique CDR3  
13 unique J



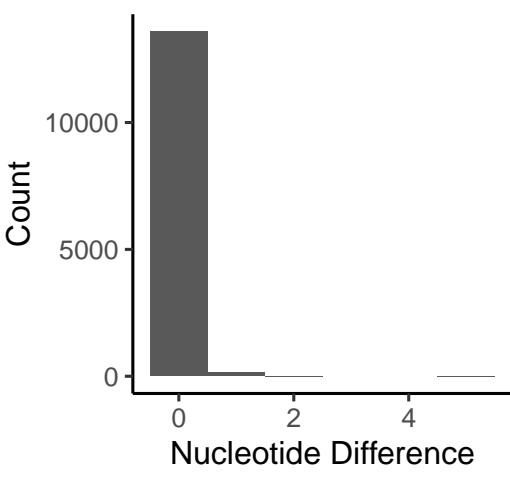
TRBV4-2\*ap01

2940 sequences assigned  
2884 (98.1%) exact matches, in which:  
2812 unique CDR3  
13 unique J



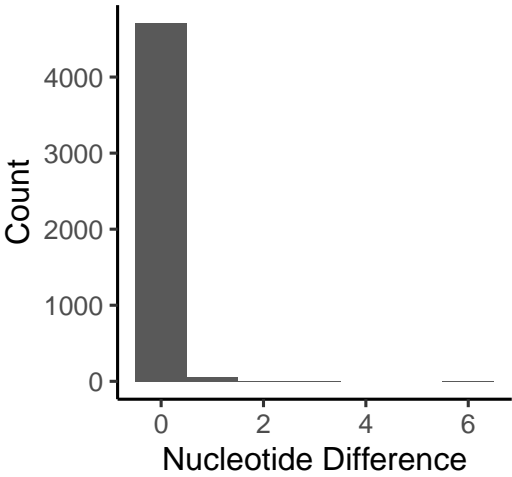
TRBV5-1\*ap01

13752 sequences assigned  
13589 (98.8%) exact matches, in which:  
13242 unique CDR3  
13 unique J



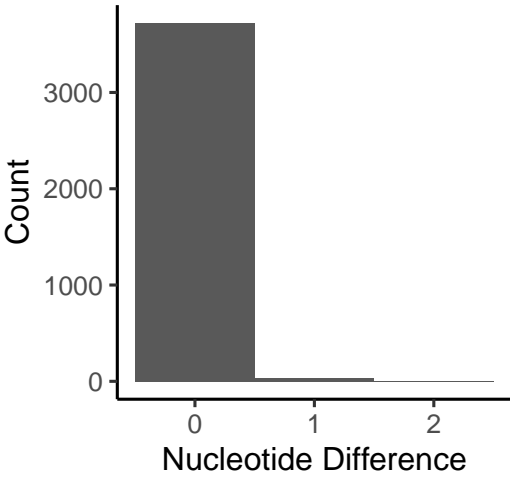
TRBV4-1\*ap01

4773 sequences assigned  
4710 (98.7%) exact matches, in which:  
4620 unique CDR3  
13 unique J



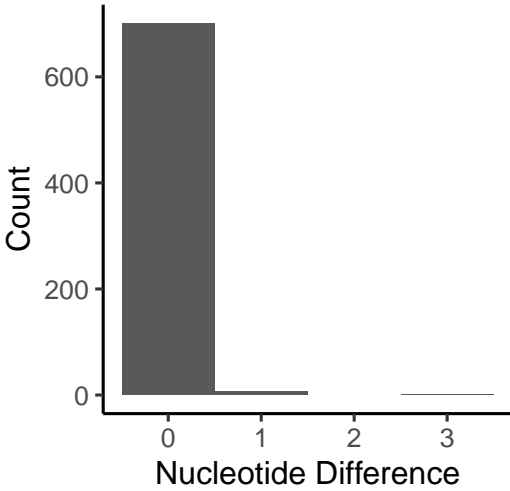
TRBV4-3\*ap01

3761 sequences assigned  
3721 (98.9%) exact matches, in which:  
3637 unique CDR3  
13 unique J



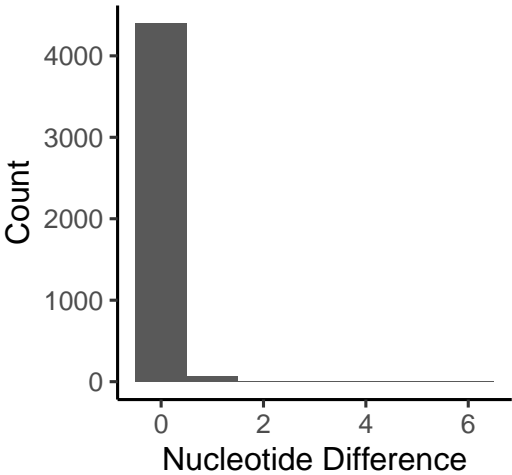
TRBV5-3\*ap01

709 sequences assigned  
701 (98.9%) exact matches, in which:  
691 unique CDR3  
13 unique J



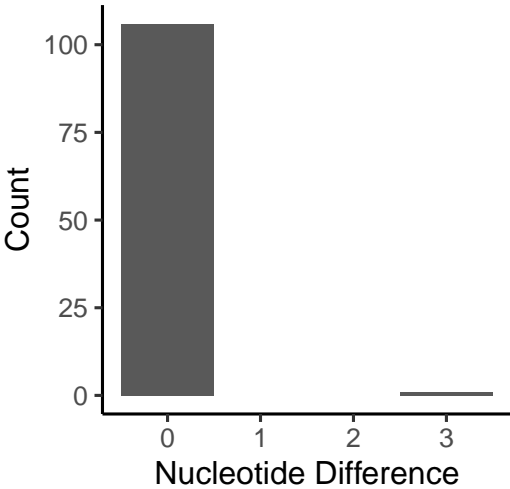
TRBV5-4\*ap01

4466 sequences assigned  
4398 (98.5%) exact matches, in which:  
4290 unique CDR3  
13 unique J



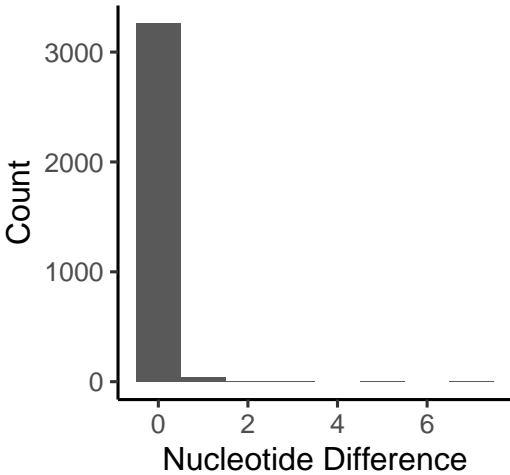
TRBV5-7\*ap01

107 sequences assigned  
106 (99.1%) exact matches, in which:  
104 unique CDR3  
12 unique J



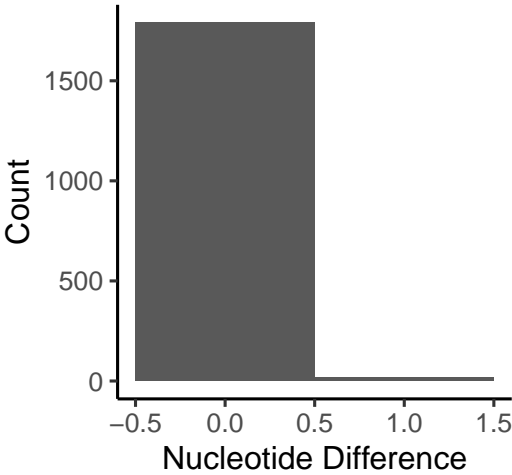
TRBV6-4\*ap01

3308 sequences assigned  
3261 (98.6%) exact matches, in which:  
3204 unique CDR3  
13 unique J



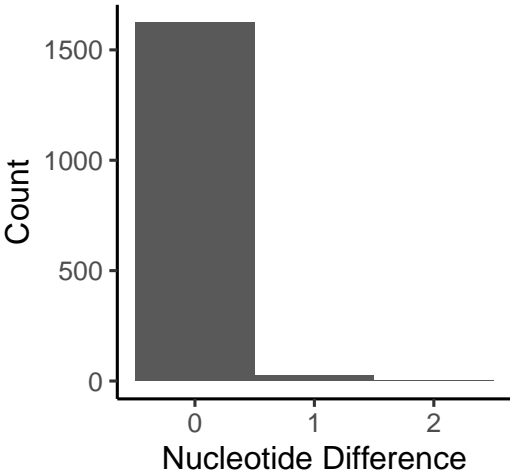
TRBV5-5\*ap01

1806 sequences assigned  
1790 (99.1%) exact matches, in which:  
1768 unique CDR3  
13 unique J



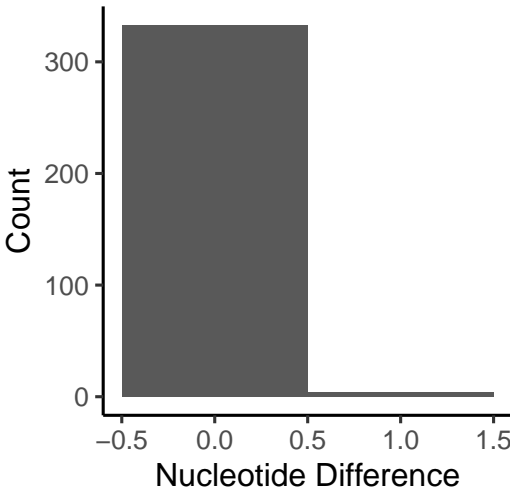
TRBV5-8\*ap01

1650 sequences assigned  
1623 (98.4%) exact matches, in which:  
1594 unique CDR3  
13 unique J



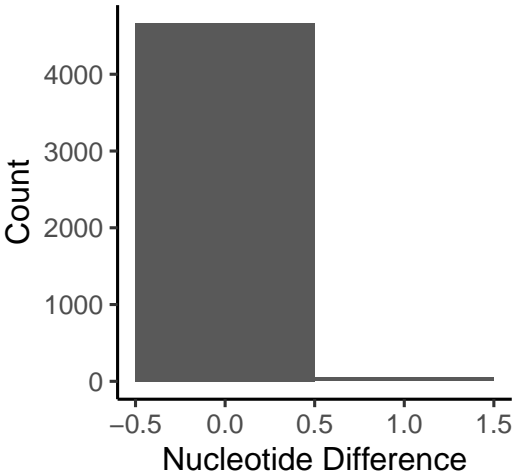
TRBV6-7\*ap01

337 sequences assigned  
333 (98.8%) exact matches, in which:  
325 unique CDR3  
13 unique J



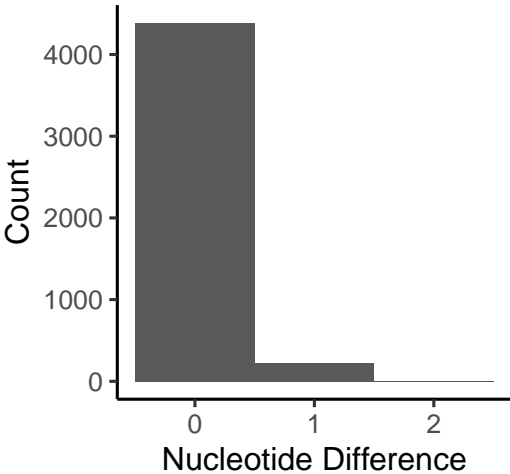
TRBV5-6\*ap01

4718 sequences assigned  
4667 (98.9%) exact matches, in which:  
4547 unique CDR3  
13 unique J



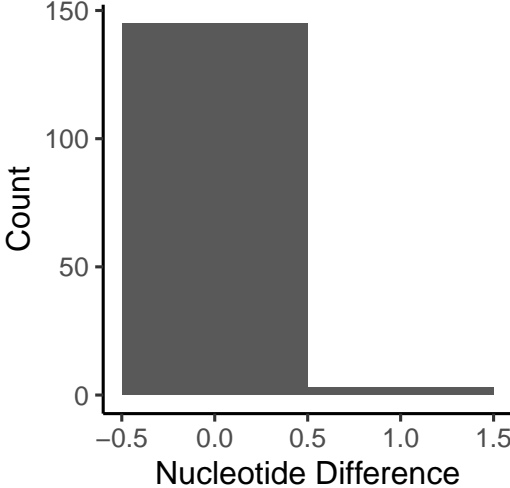
TRBV6-1\*ap01

4609 sequences assigned  
4385 (95.1%) exact matches, in which:  
4277 unique CDR3  
13 unique J



TRBV6-8\*ap01

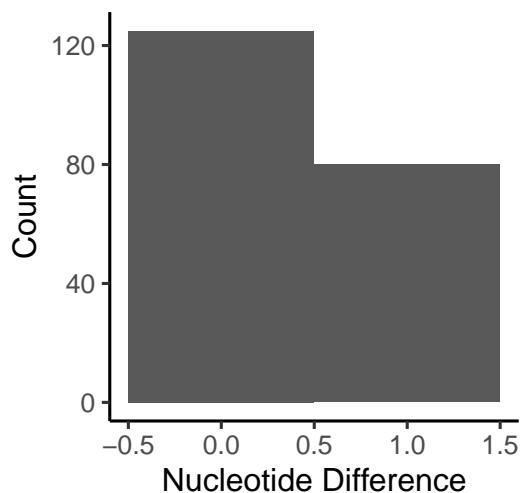
148 sequences assigned  
145 (98%) exact matches, in which:  
144 unique CDR3  
13 unique J





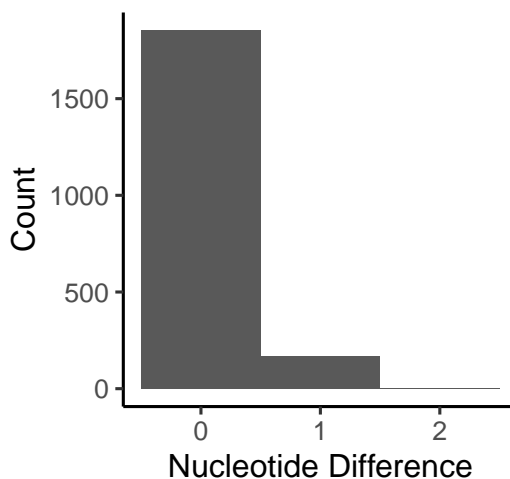
### TRBV6-9\*ap01

205 sequences assigned  
125 (61%) exact matches, in which:  
124 unique CDR3  
13 unique J



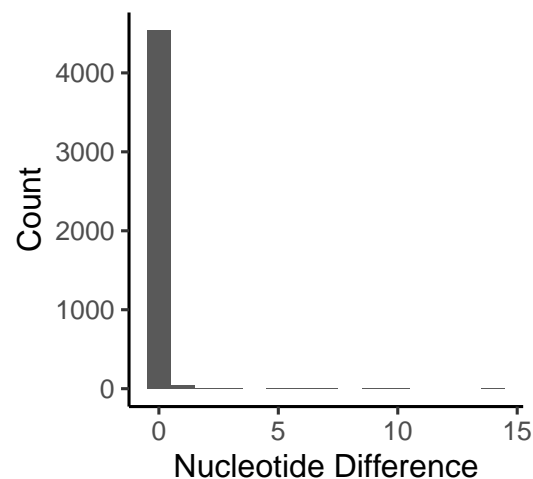
### TRBV6-56\*ap02

2023 sequences assigned  
1853 (91.6%) exact matches, in which:  
1797 unique CDR3  
13 unique J



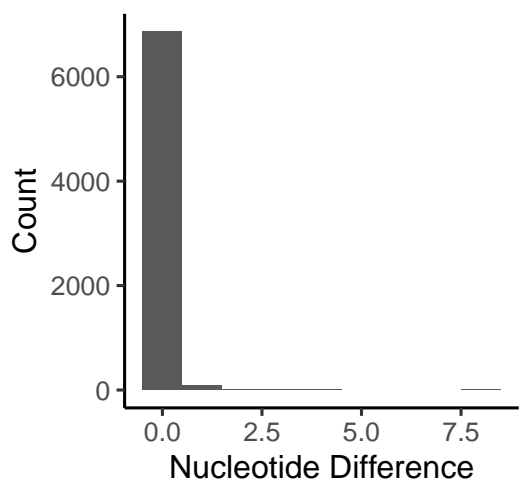
### TRBV7-3\*ap01

4585 sequences assigned  
4538 (99%) exact matches, in which:  
4468 unique CDR3  
13 unique J



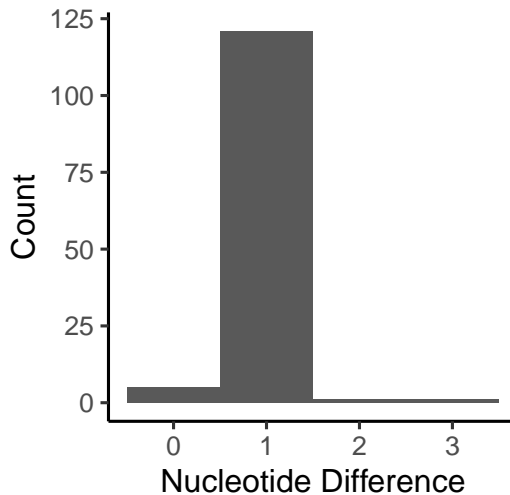
### TRBV6-23\*ap01

6948 sequences assigned  
6862 (98.8%) exact matches, in which:  
6664 unique CDR3  
13 unique J



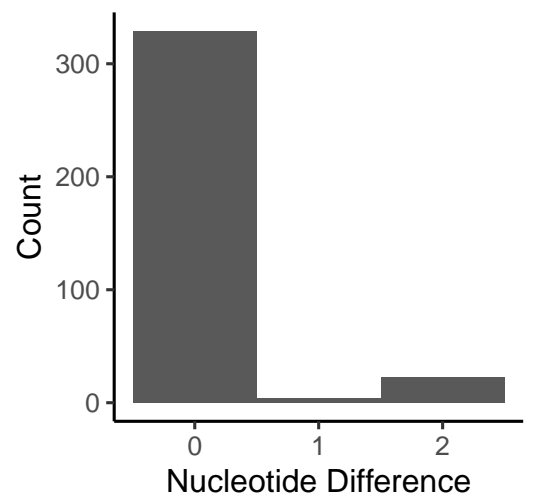
### TRBV7-1\*ap01\_T296C

128 sequences assigned  
5 (3.9%) exact matches, in which:  
5 unique CDR3  
3 unique J



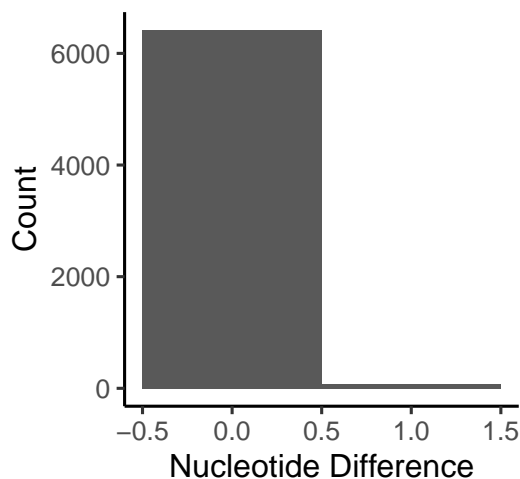
### TRBV7-4\*ap01

356 sequences assigned  
329 (92.4%) exact matches, in which:  
326 unique CDR3  
13 unique J



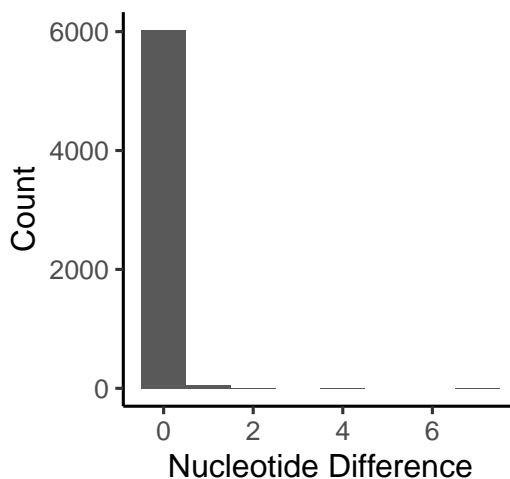
### TRBV6-56\*ap01

6498 sequences assigned  
6418 (98.8%) exact matches, in which:  
6250 unique CDR3  
13 unique J



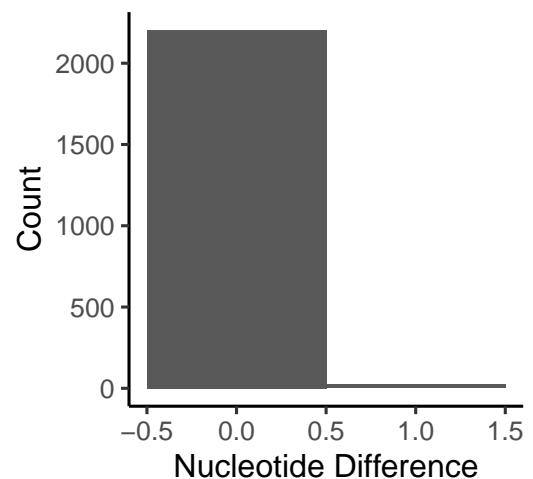
### TRBV7-2\*ap01

6089 sequences assigned  
6027 (99%) exact matches, in which:  
5919 unique CDR3  
13 unique J



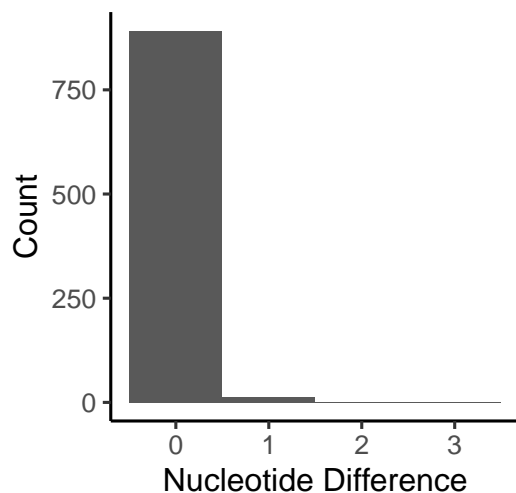
### TRBV7-6\*ap01

2227 sequences assigned  
2204 (99%) exact matches, in which:  
2159 unique CDR3  
13 unique J



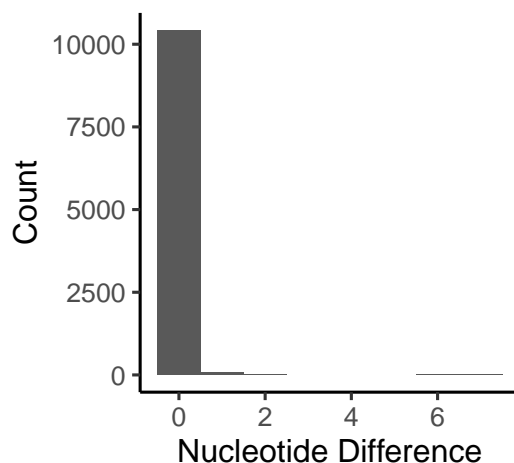
### TRBV7-7\*ap01\_C315T

906 sequences assigned  
892 (98.5%) exact matches, in which:  
873 unique CDR3  
14 unique J



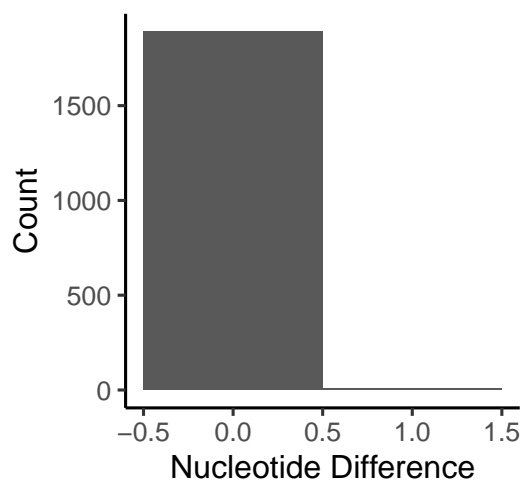
### TRBV7-9\*ap01

10516 sequences assigned  
10426 (99.1%) exact matches, in which:  
10262 unique CDR3  
13 unique J



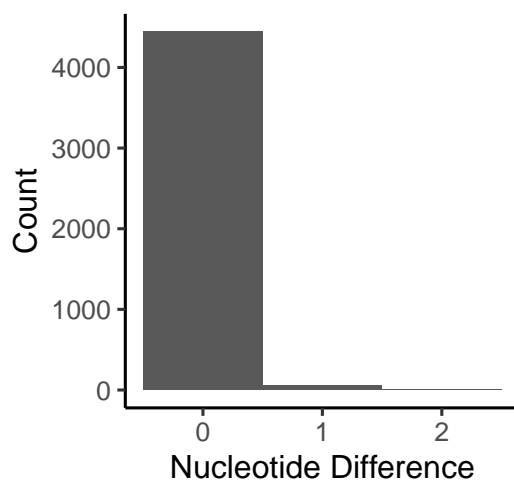
### TRBV7-8\*ap01

1900 sequences assigned  
1890 (99.5%) exact matches, in which:  
1839 unique CDR3  
13 unique J



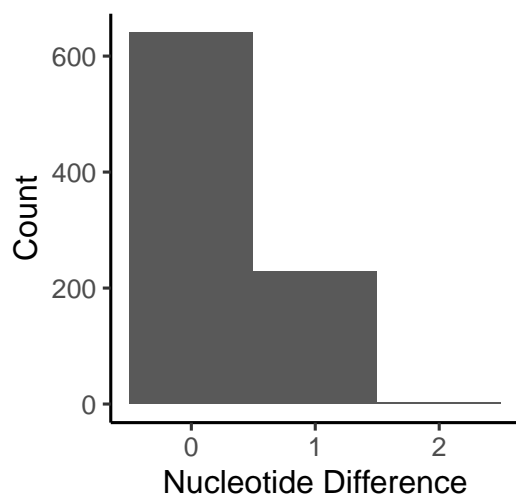
### TRBV29-1\*ap01

4502 sequences assigned  
4443 (98.7%) exact matches, in which:  
4363 unique CDR3  
13 unique J



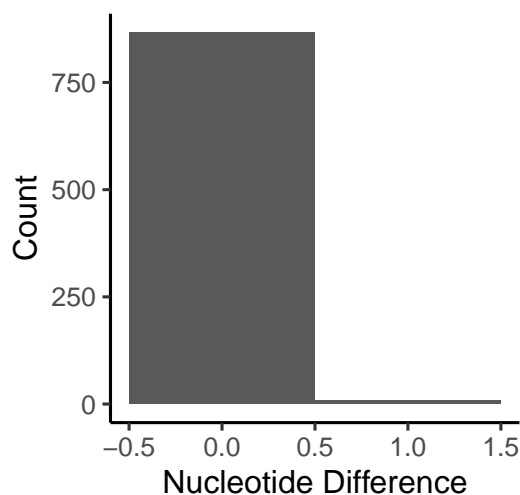
### TRBV7-8\*ap03

873 sequences assigned  
641 (73.4%) exact matches, in which:  
635 unique CDR3  
13 unique J

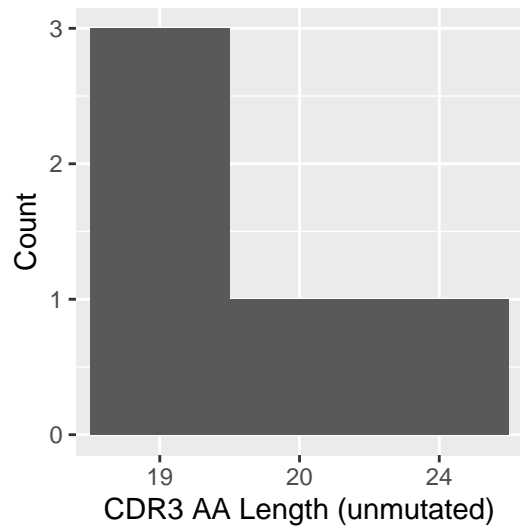


### TRBV29-1\*ap02

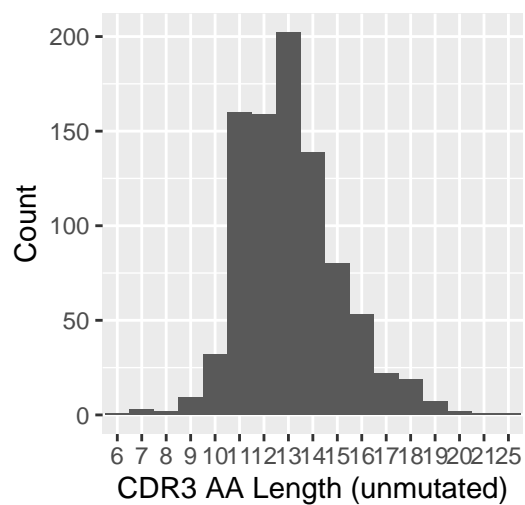
876 sequences assigned  
867 (99%) exact matches, in which:  
857 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





[illegible]