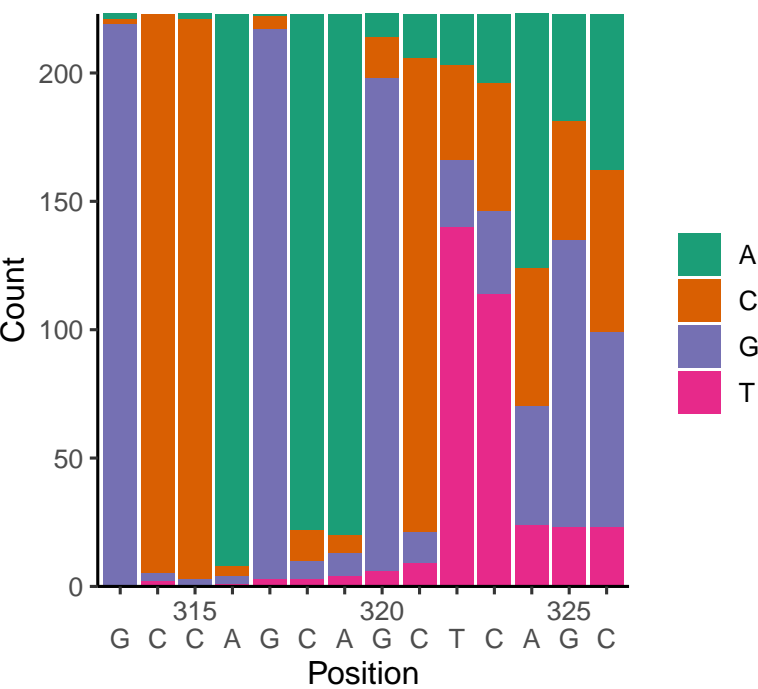
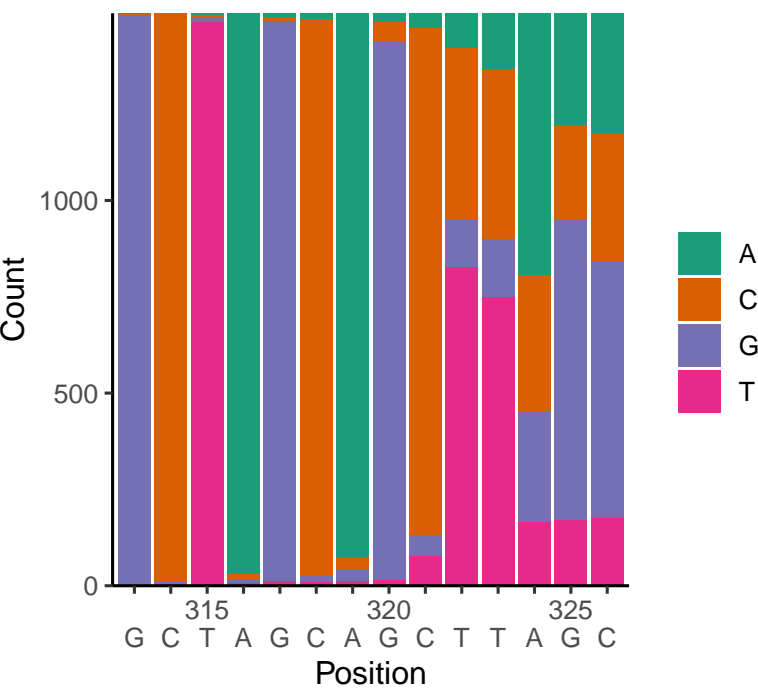


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



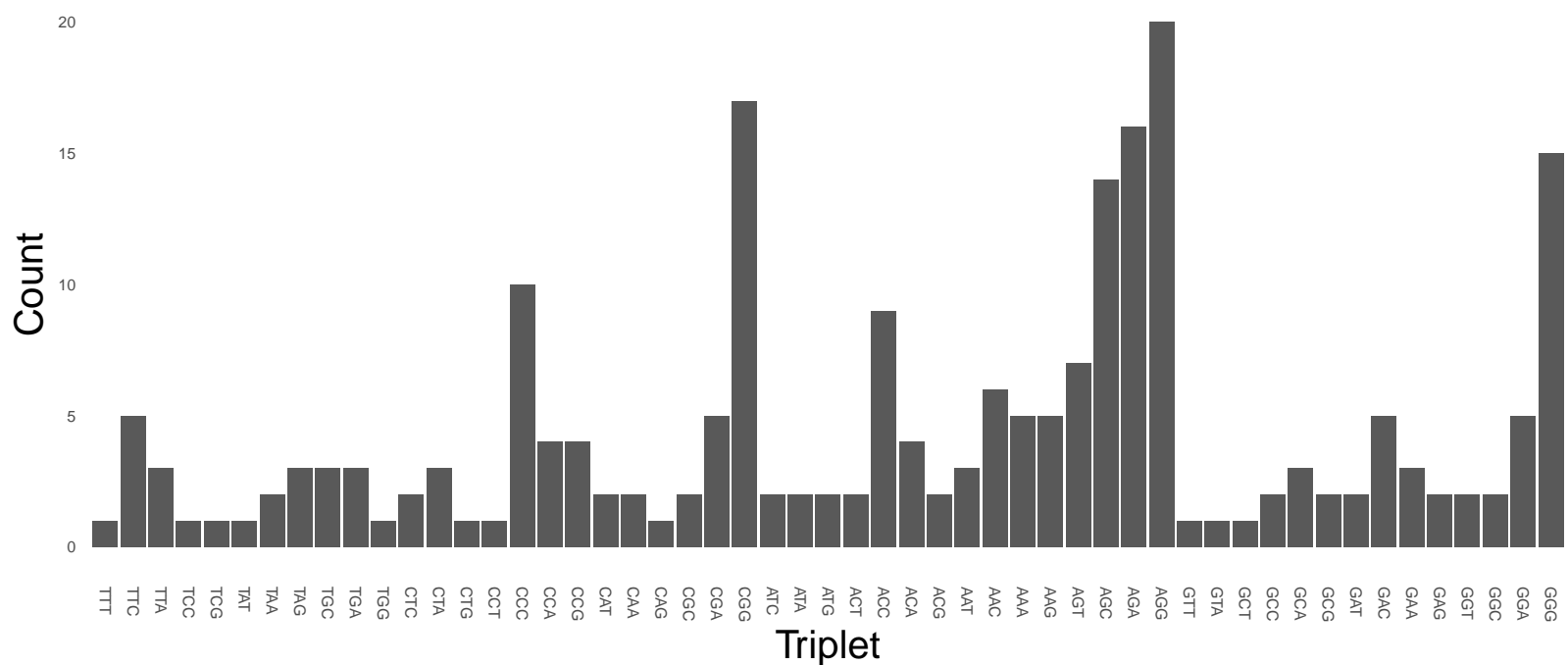
Gene TRBV7-1\*ap01\_G291C\_T296C



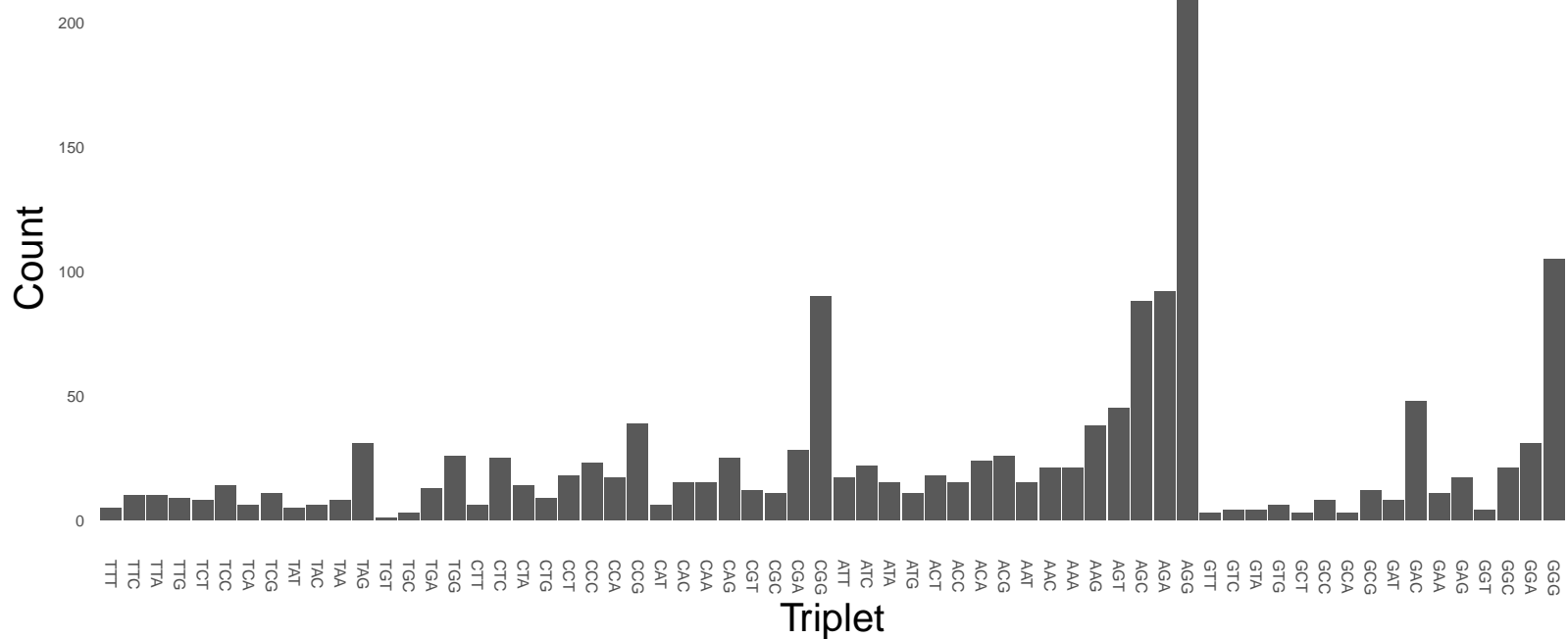
Gene TRBV7-7\*ap01\_C315T



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

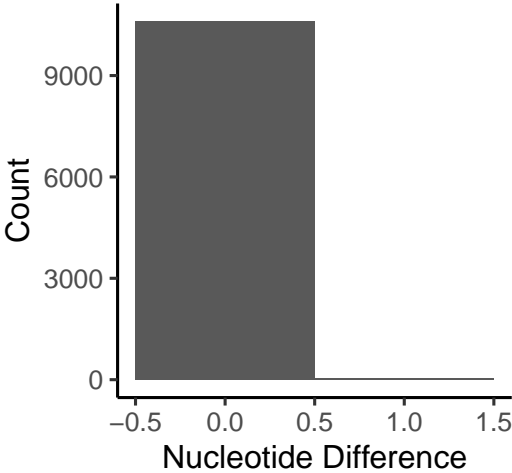


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



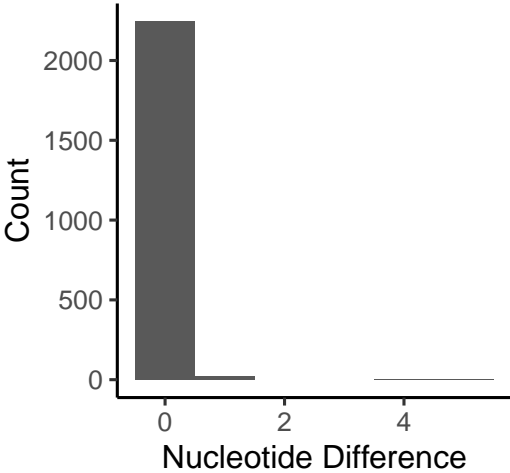
TRBV20-1\*ap01

10647 sequences assigned  
10603 (99.6%) exact matches, in which:  
10543 unique CDR3  
13 unique J



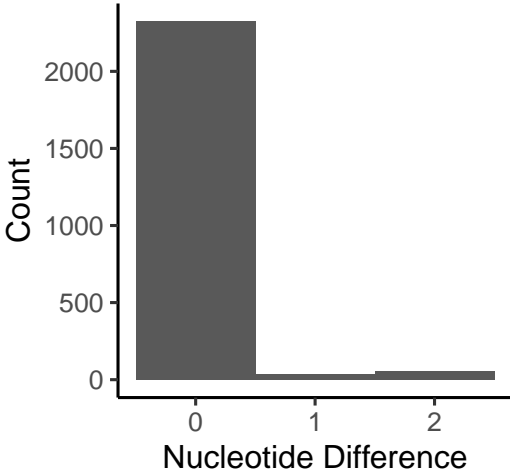
TRBV10-2\*ap01

2266 sequences assigned  
2245 (99.1%) exact matches, in which:  
2229 unique CDR3  
13 unique J



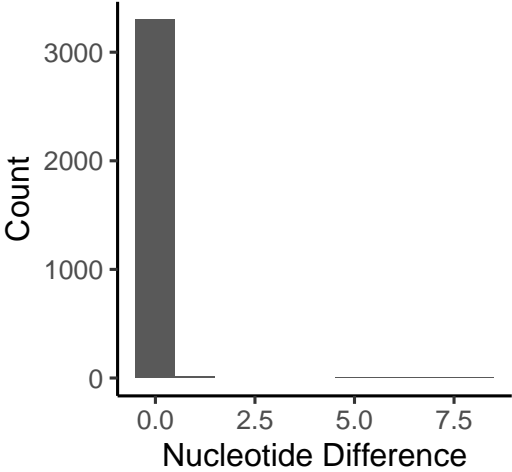
TRBV13\*ap01

2415 sequences assigned  
2324 (96.2%) exact matches, in which:  
2292 unique CDR3  
13 unique J



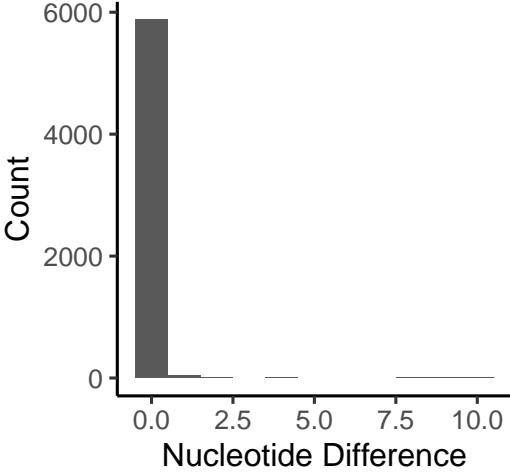
TRBV10-1\*ap01

3316 sequences assigned  
3299 (99.5%) exact matches, in which:  
3265 unique CDR3  
13 unique J



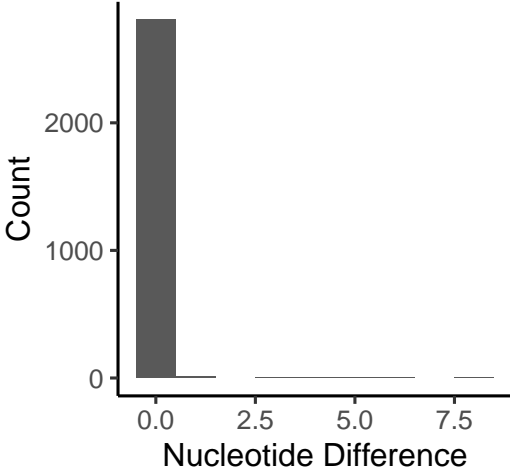
TRBV10-3\*ap01

5933 sequences assigned  
5877 (99.1%) exact matches, in which:  
5822 unique CDR3  
13 unique J



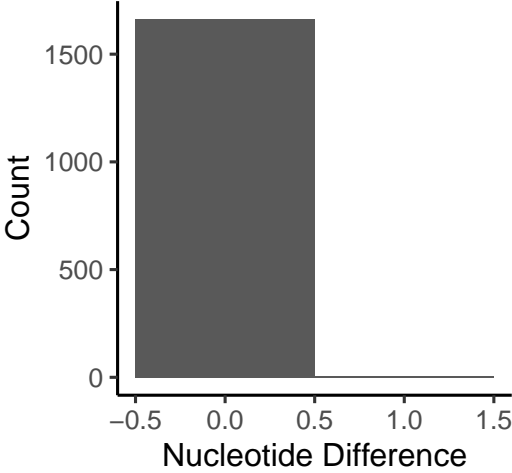
TRBV14\*ap01

2827 sequences assigned  
2808 (99.3%) exact matches, in which:  
2780 unique CDR3  
13 unique J



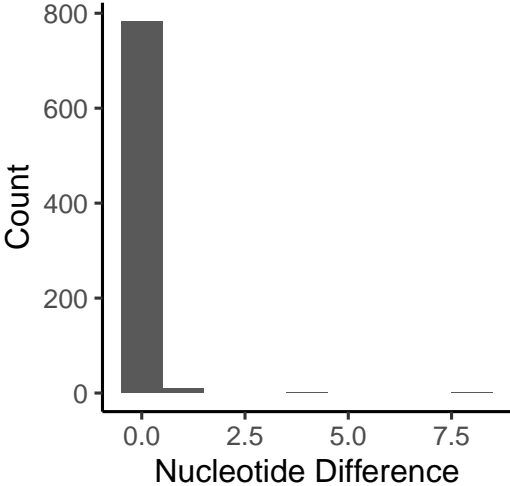
TRBV20-1\*ap02

1670 sequences assigned  
1663 (99.6%) exact matches, in which:  
1653 unique CDR3  
13 unique J



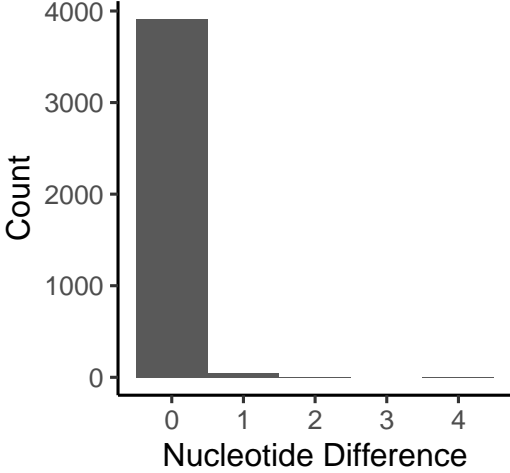
TRBV1\*ap01

795 sequences assigned  
783 (98.5%) exact matches, in which:  
772 unique CDR3  
13 unique J



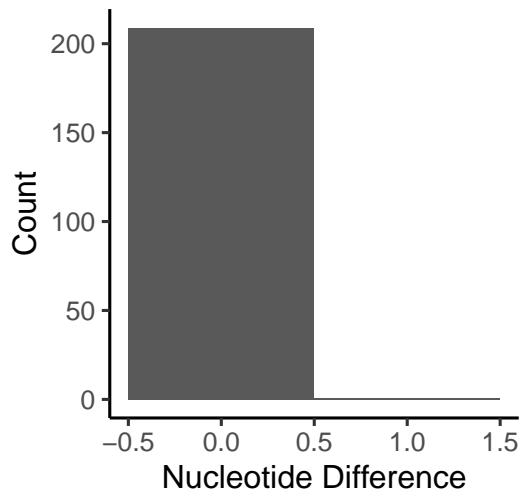
TRBV15\*ap02

3963 sequences assigned  
3912 (98.7%) exact matches, in which:  
3869 unique CDR3  
13 unique J



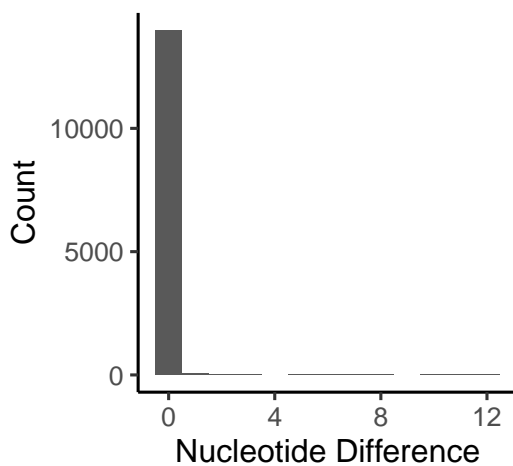
### TRBV16\*ap01

210 sequences assigned  
209 (99.5%) exact matches, in which:  
209 unique CDR3  
13 unique J



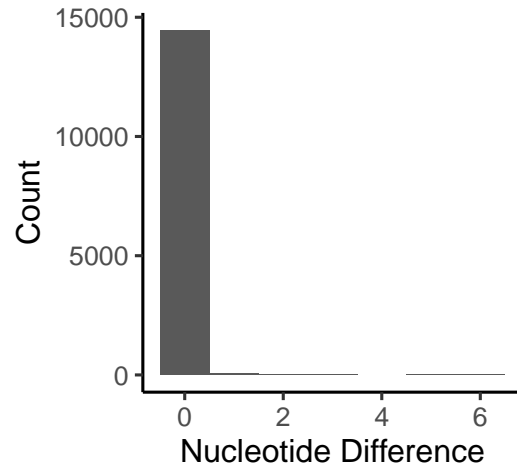
### TRBV19\*ap01

14068 sequences assigned  
13984 (99.4%) exact matches, in which:  
13927 unique CDR3  
13 unique J



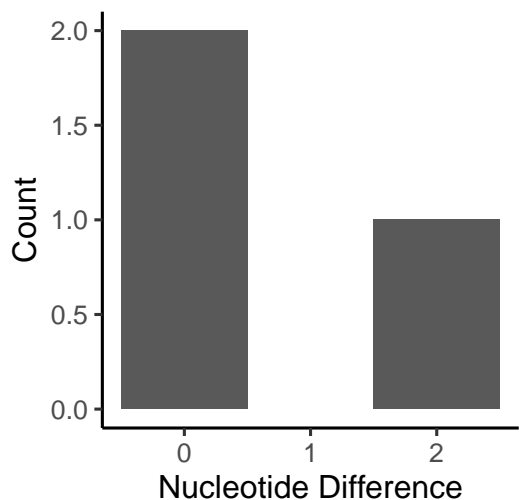
### TRBV28\*ap01

14537 sequences assigned  
14459 (99.5%) exact matches, in which:  
14390 unique CDR3  
13 unique J



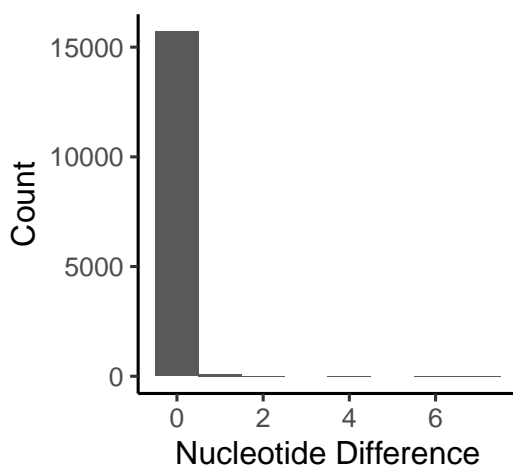
### TRBV17\*ap01

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



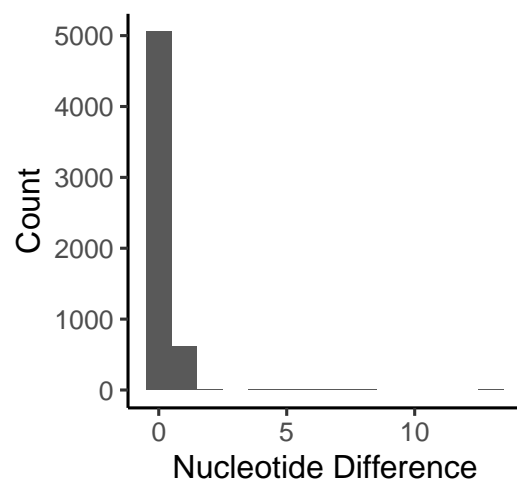
### TRBV2\*ap01

15832 sequences assigned  
15715 (99.3%) exact matches, in which:  
15573 unique CDR3  
13 unique J



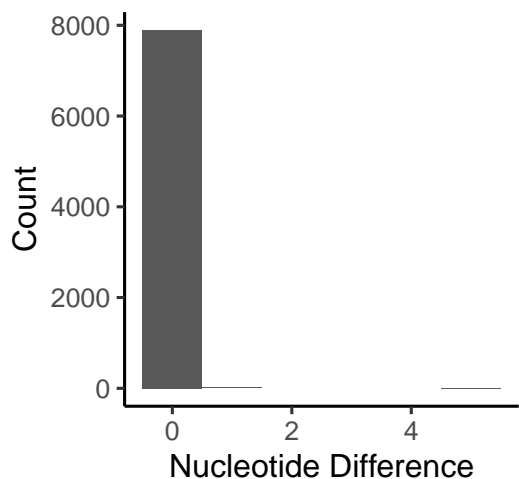
### TRBV30\*ap01

5690 sequences assigned  
5055 (88.8%) exact matches, in which:  
4957 unique CDR3  
13 unique J



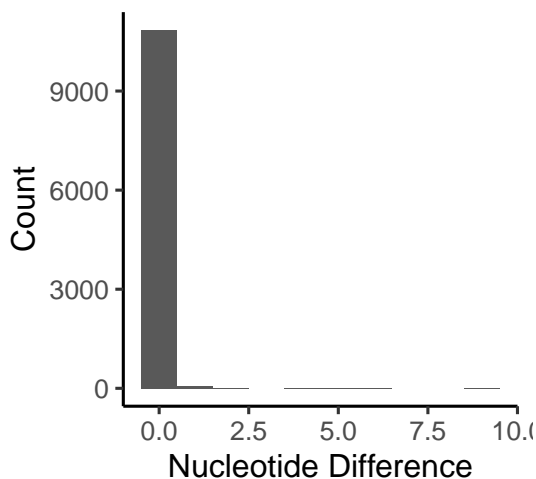
### TRBV18\*ap01

7917 sequences assigned  
7895 (99.7%) exact matches, in which:  
7863 unique CDR3  
13 unique J



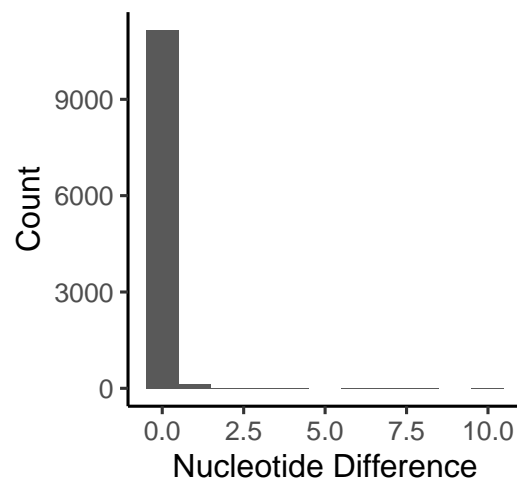
### TRBV27\*ap01

10924 sequences assigned  
10846 (99.3%) exact matches, in which:  
10740 unique CDR3  
13 unique J



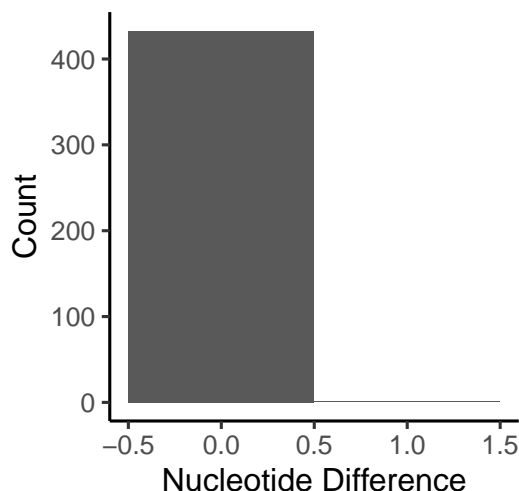
### TRBV9\*ap01

11298 sequences assigned  
11158 (98.8%) exact matches, in which:  
11104 unique CDR3  
13 unique J



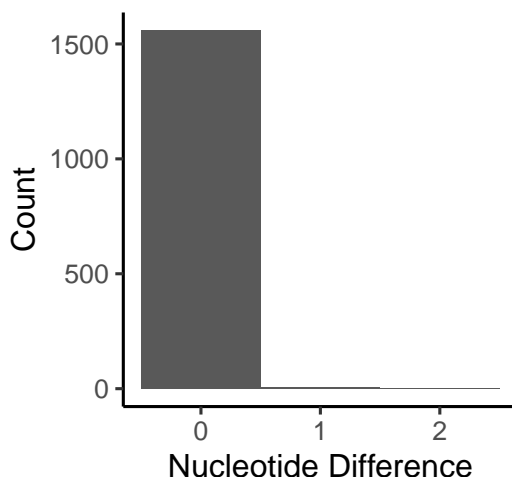
### TRBV11-1\*ap01

434 sequences assigned  
433 (99.8%) exact matches, in which:  
431 unique CDR3  
13 unique J



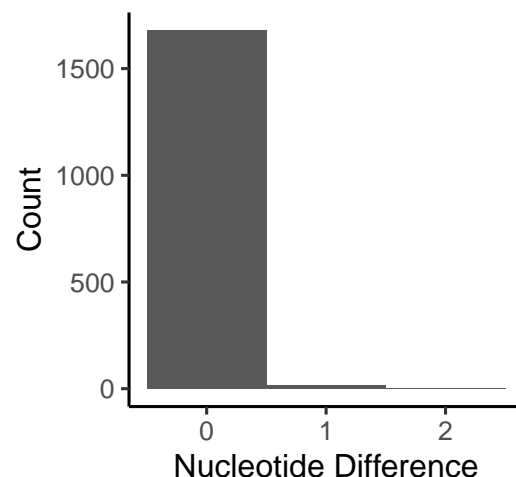
### TRBV11-3\*ap01

1566 sequences assigned  
1559 (99.6%) exact matches, in which:  
1557 unique CDR3  
13 unique J



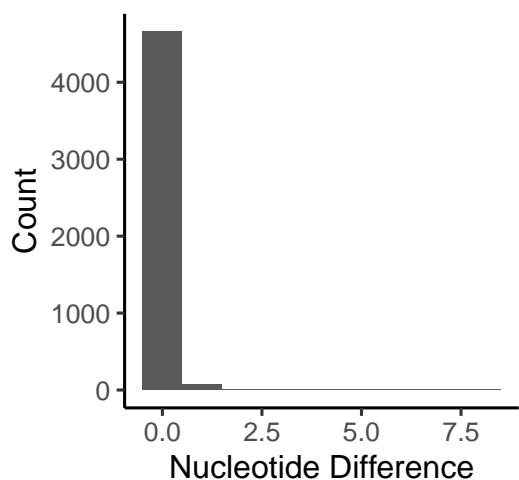
### TRBV12-5\*ap01

1699 sequences assigned  
1679 (98.8%) exact matches, in which:  
1668 unique CDR3  
13 unique J



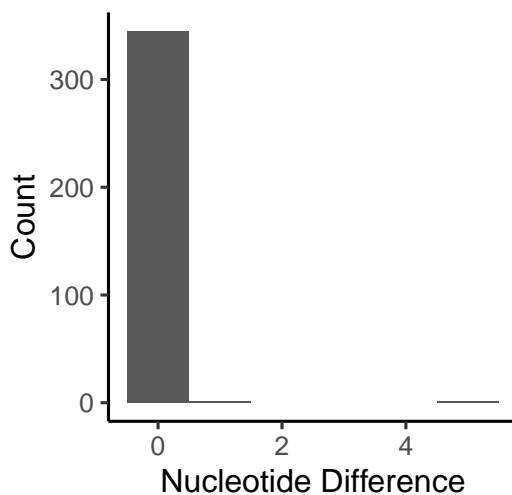
### TRBV21-1\*ap01

4751 sequences assigned  
4657 (98%) exact matches, in which:  
4637 unique CDR3  
14 unique J



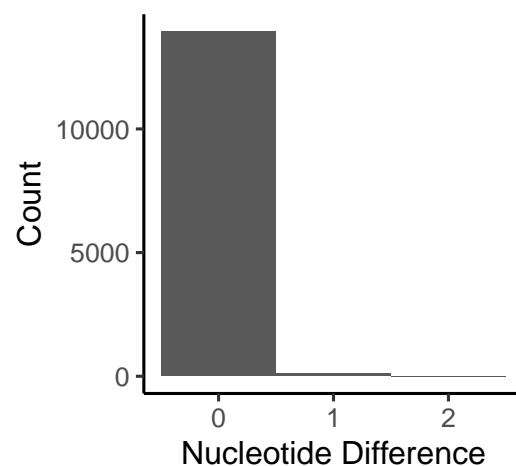
### TRBV12-1\*ap01

347 sequences assigned  
345 (99.4%) exact matches, in which:  
342 unique CDR3  
13 unique J



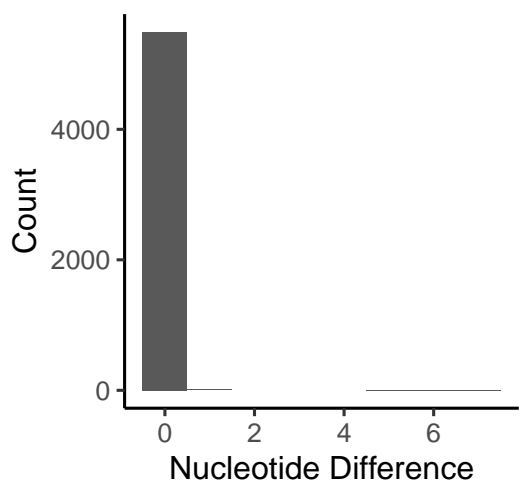
### TRBV12-34\*ap01

14057 sequences assigned  
13942 (99.2%) exact matches, in which:  
13815 unique CDR3  
13 unique J



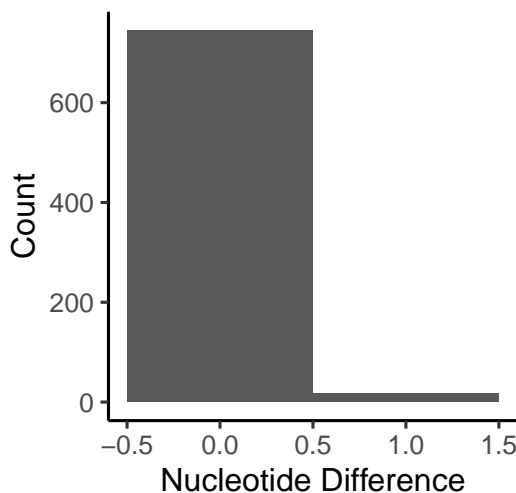
### TRBV11-2\*ap01

5507 sequences assigned  
5491 (99.7%) exact matches, in which:  
5471 unique CDR3  
13 unique J



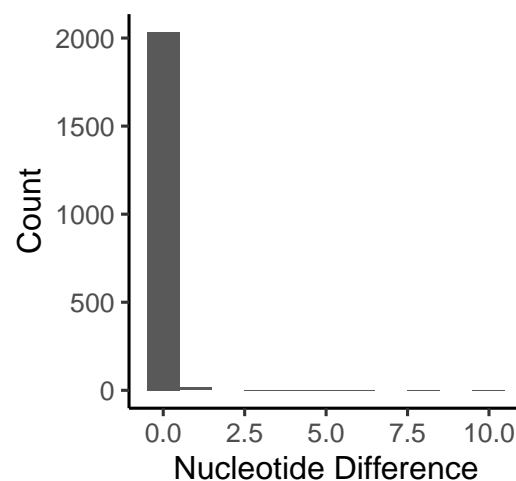
### TRBV12-2\*ap01

762 sequences assigned  
745 (97.8%) exact matches, in which:  
737 unique CDR3  
13 unique J



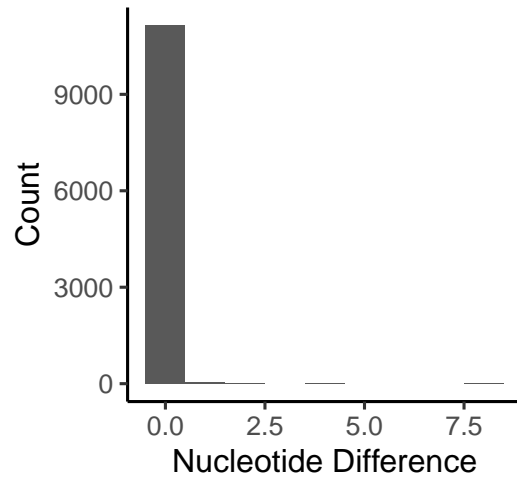
### TRBV23-1\*ap01

2056 sequences assigned  
2034 (98.9%) exact matches, in which:  
2026 unique CDR3  
13 unique J



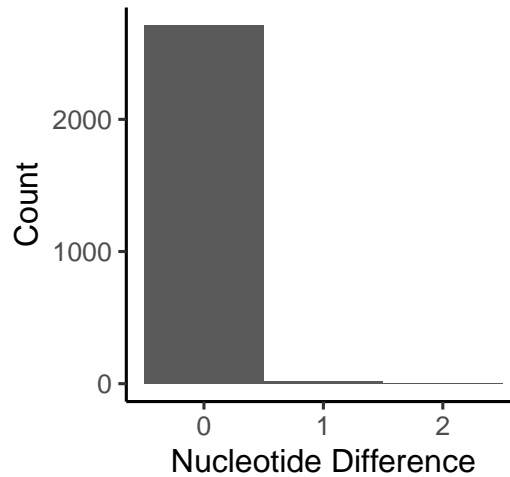
### TRBV3-12\*ap01

11197 sequences assigned  
11144 (99.5%) exact matches, in which:  
11093 unique CDR3  
13 unique J



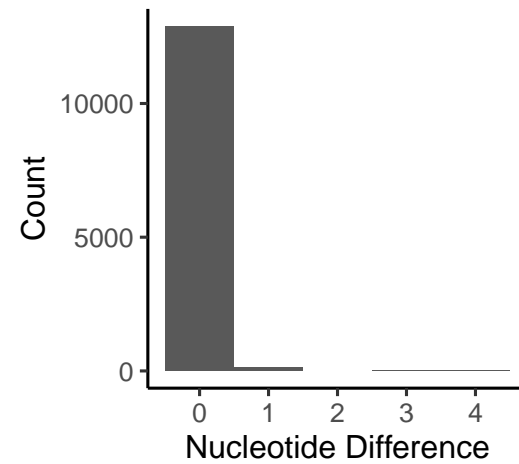
### TRBV4-2\*ap01

2732 sequences assigned  
2711 (99.2%) exact matches, in which:  
2680 unique CDR3  
13 unique J



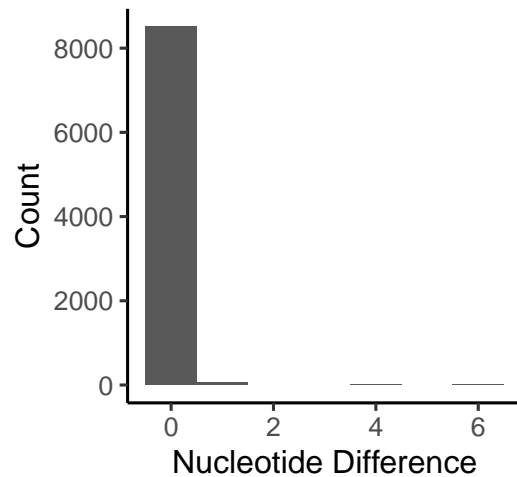
### TRBV5-1\*ap01

13019 sequences assigned  
12892 (99%) exact matches, in which:  
12783 unique CDR3  
13 unique J



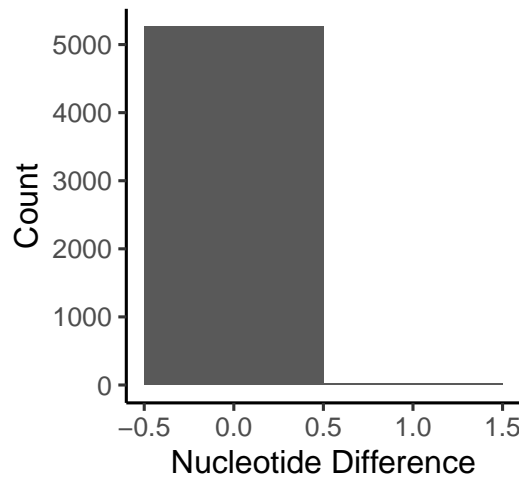
### TRBV4-1\*ap01

8562 sequences assigned  
8509 (99.4%) exact matches, in which:  
8404 unique CDR3  
13 unique J



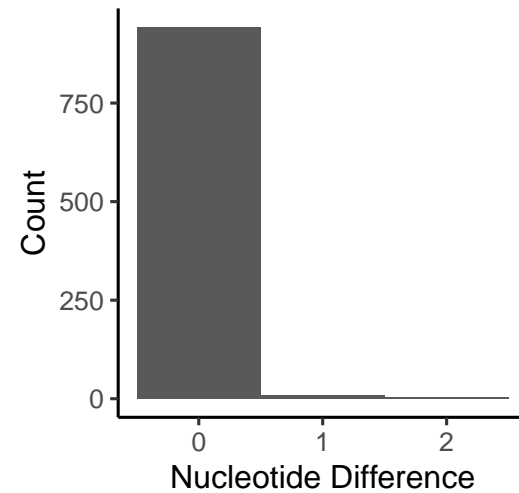
### TRBV4-3\*ap01

5290 sequences assigned  
5262 (99.5%) exact matches, in which:  
5197 unique CDR3  
13 unique J



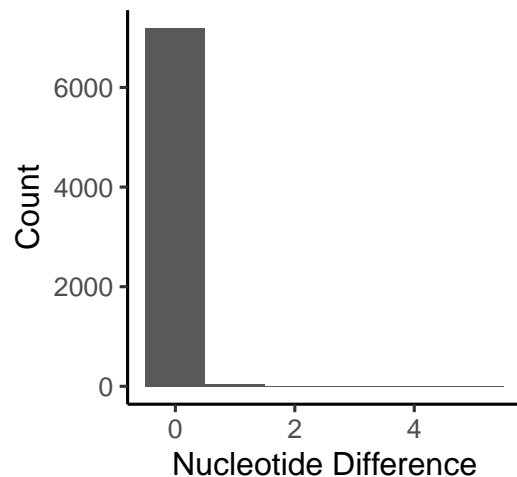
### TRBV5-3\*ap01

955 sequences assigned  
943 (98.7%) exact matches, in which:  
935 unique CDR3  
13 unique J



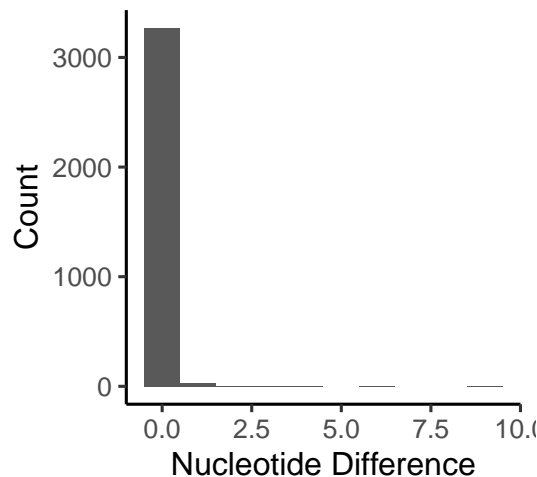
### TRBV24-1\*ap01

7257 sequences assigned  
7192 (99.1%) exact matches, in which:  
7105 unique CDR3  
13 unique J



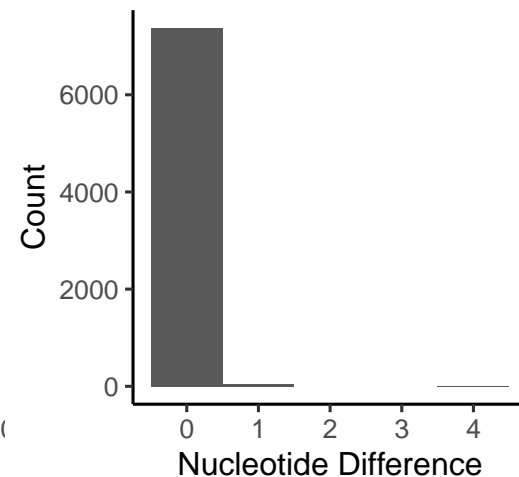
### TRBV25-1\*ap01

3309 sequences assigned  
3268 (98.8%) exact matches, in which:  
3208 unique CDR3  
13 unique J



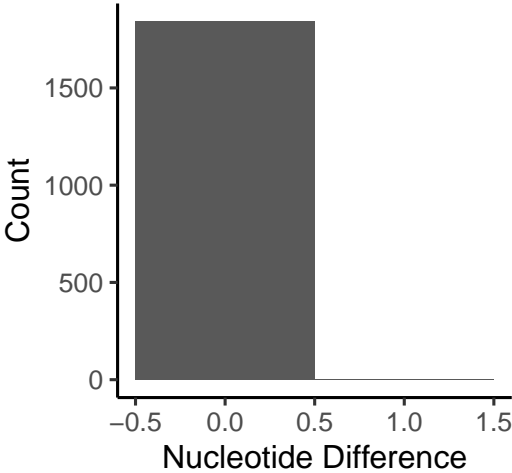
### TRBV5-4\*ap01

7423 sequences assigned  
7373 (99.3%) exact matches, in which:  
7291 unique CDR3  
13 unique J



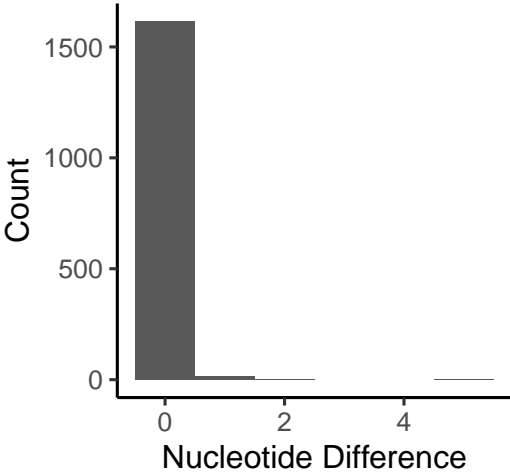
TRBV5-5\*ap01

1845 sequences assigned  
1842 (99.8%) exact matches, in which:  
1837 unique CDR3  
13 unique J



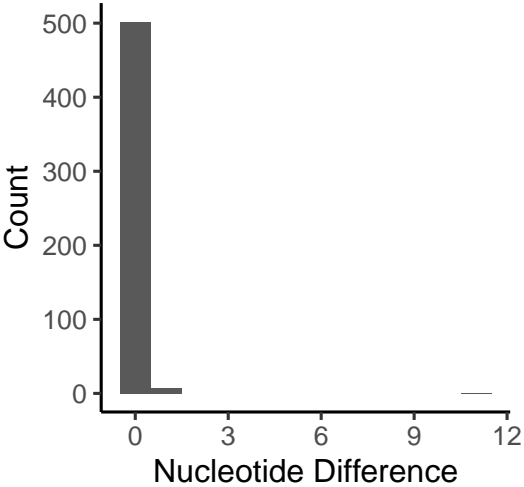
TRBV5-8\*ap01

1631 sequences assigned  
1615 (99%) exact matches, in which:  
1610 unique CDR3  
13 unique J



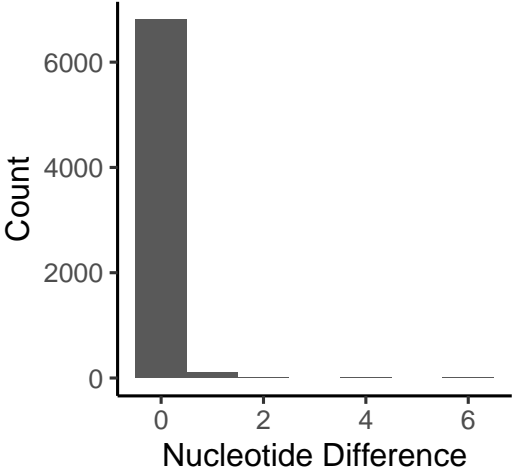
TRBV6-7\*ap01

510 sequences assigned  
502 (98.4%) exact matches, in which:  
499 unique CDR3  
13 unique J



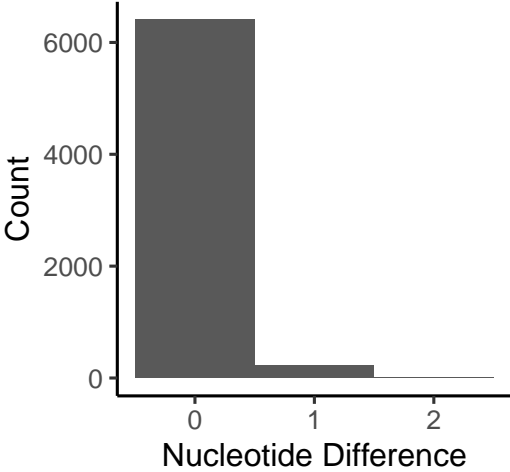
TRBV5-6\*ap01

6923 sequences assigned  
6806 (98.3%) exact matches, in which:  
6678 unique CDR3  
13 unique J



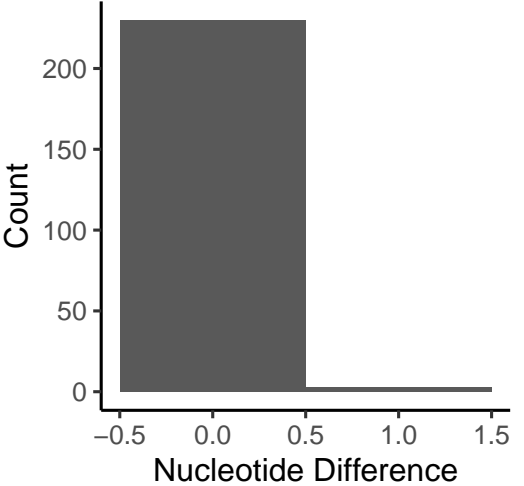
TRBV6-1\*ap01

6635 sequences assigned  
6406 (96.5%) exact matches, in which:  
6331 unique CDR3  
13 unique J



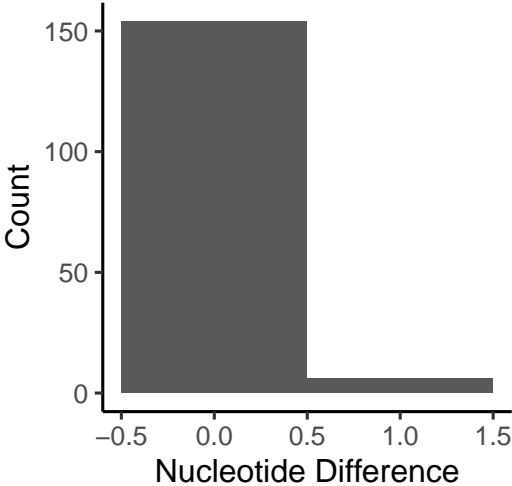
TRBV6-8\*ap01

233 sequences assigned  
230 (98.7%) exact matches, in which:  
227 unique CDR3  
13 unique J



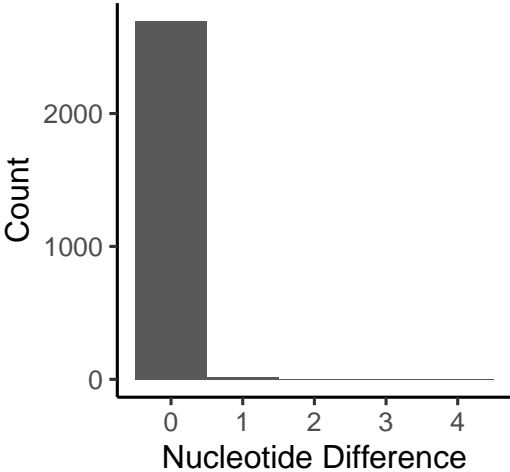
TRBV5-7\*ap01

160 sequences assigned  
154 (96.2%) exact matches, in which:  
150 unique CDR3  
13 unique J



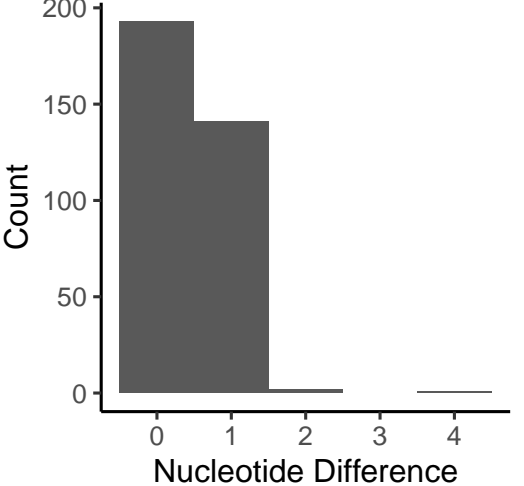
TRBV6-4\*ap01

2718 sequences assigned  
2696 (99.2%) exact matches, in which:  
2671 unique CDR3  
13 unique J



TRBV6-9\*ap01

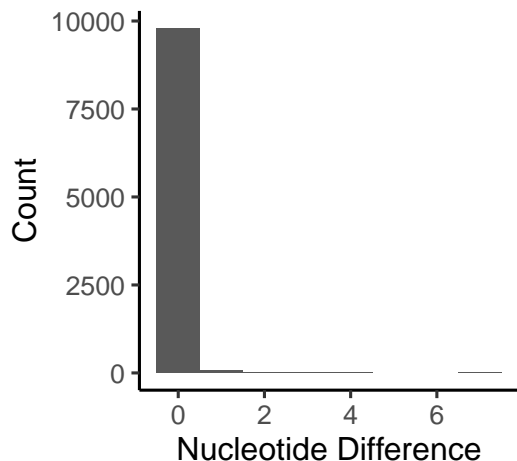
337 sequences assigned  
193 (57.3%) exact matches, in which:  
189 unique CDR3  
13 unique J





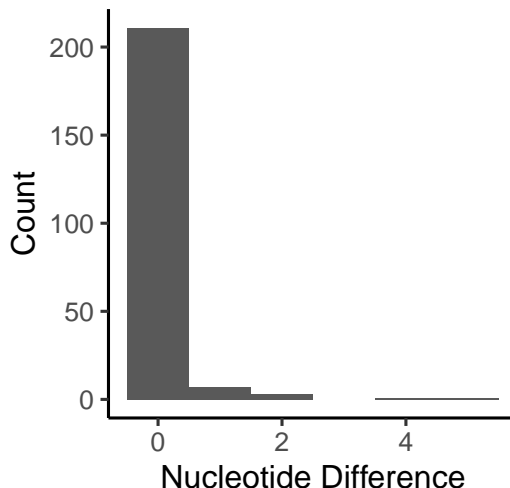
### TRBV6-23\*ap01

9888 sequences assigned  
9797 (99.1%) exact matches, in which:  
9658 unique CDR3  
13 unique J



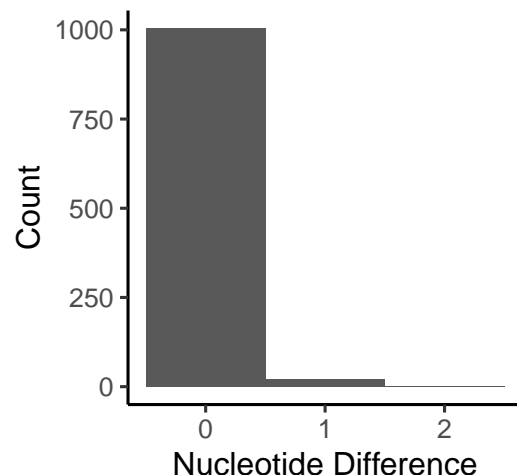
### TRBV7-1\*ap01\_G291C\_

223 sequences assigned  
211 (94.6%) exact matches, in which:  
210 unique CDR3  
13 unique J



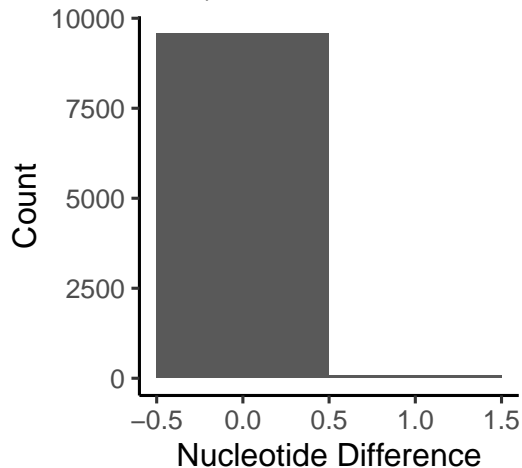
### TRBV7-3\*ap02

1025 sequences assigned  
1004 (98%) exact matches, in which:  
999 unique CDR3  
13 unique J



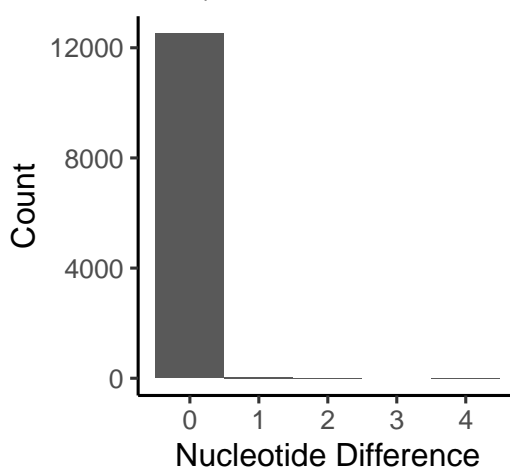
### TRBV6-56\*ap01

9653 sequences assigned  
9577 (99.2%) exact matches, in which:  
9427 unique CDR3  
13 unique J



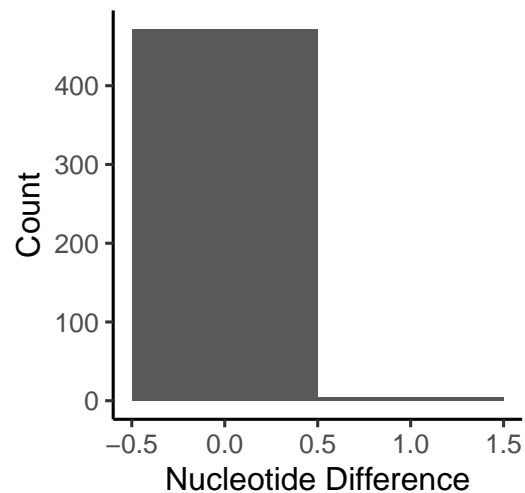
### TRBV7-2\*ap01

12565 sequences assigned  
12519 (99.6%) exact matches, in which:  
12438 unique CDR3  
13 unique J



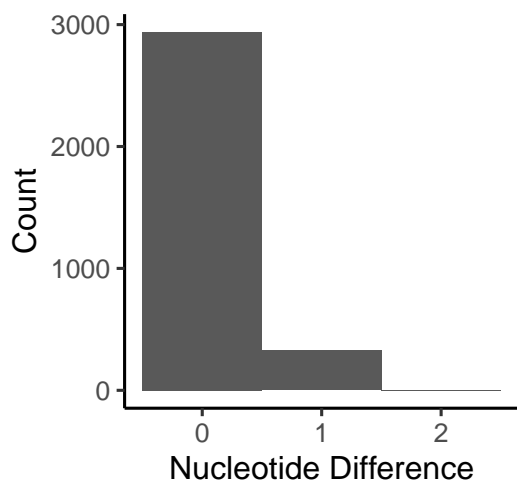
### TRBV7-4\*ap01

477 sequences assigned  
472 (99%) exact matches, in which:  
470 unique CDR3  
13 unique J



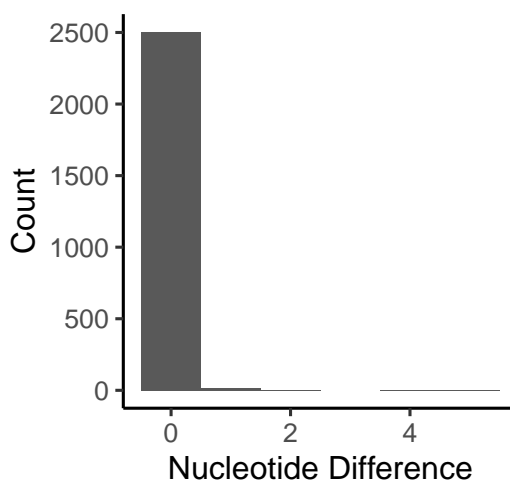
### TRBV6-56\*ap02

3269 sequences assigned  
2939 (89.9%) exact matches, in which:  
2881 unique CDR3  
13 unique J



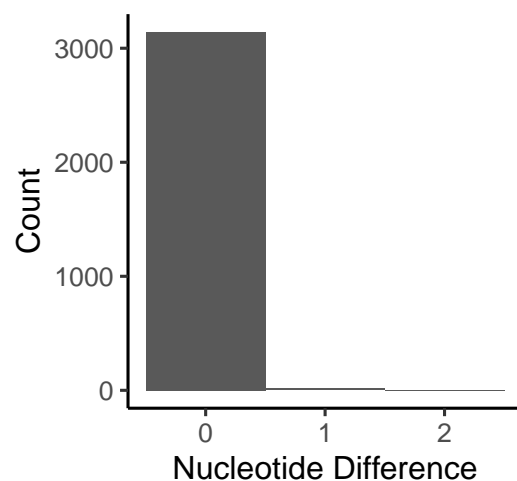
### TRBV7-3\*ap01

2524 sequences assigned  
2503 (99.2%) exact matches, in which:  
2488 unique CDR3  
13 unique J



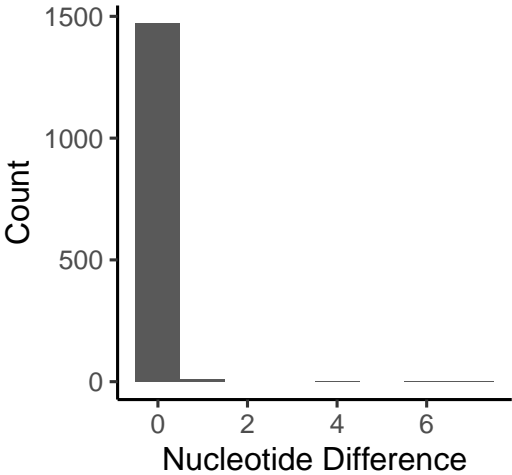
### TRBV7-6\*ap01

3159 sequences assigned  
3142 (99.5%) exact matches, in which:  
3124 unique CDR3  
13 unique J



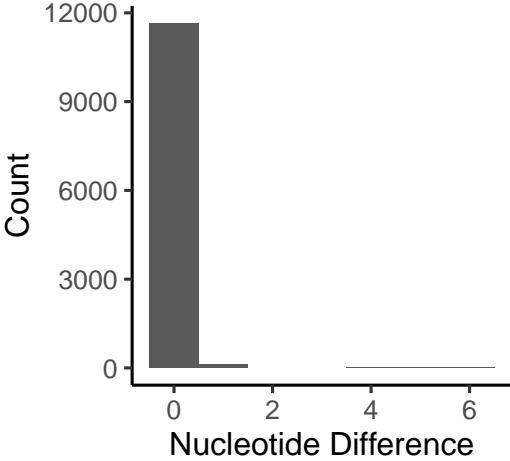
TRBV7-7\*ap01\_C315T

1486 sequences assigned  
1471 (99%) exact matches, in which:  
1453 unique CDR3  
13 unique J



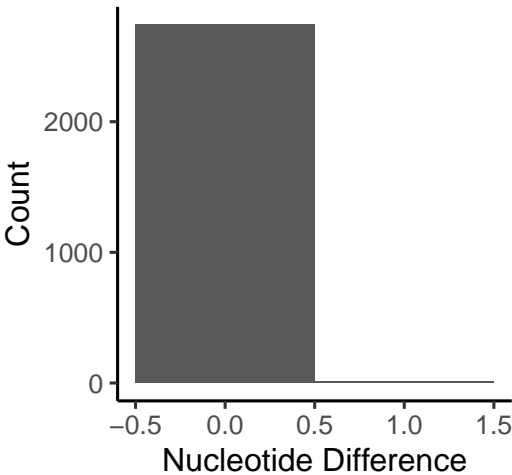
TRBV7-9\*ap01

11765 sequences assigned  
11652 (99%) exact matches, in which:  
11558 unique CDR3  
13 unique J



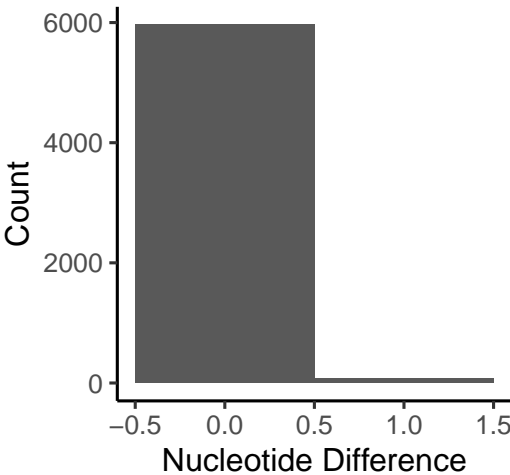
TRBV7-8\*ap01

2757 sequences assigned  
2742 (99.5%) exact matches, in which:  
2731 unique CDR3  
13 unique J



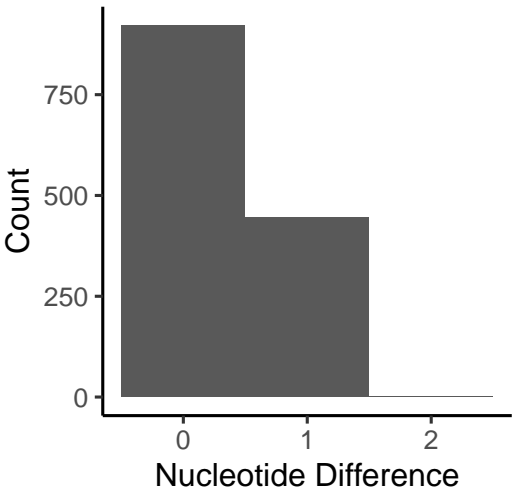
TRBV29-1\*ap01

6035 sequences assigned  
5964 (98.8%) exact matches, in which:  
5828 unique CDR3  
13 unique J



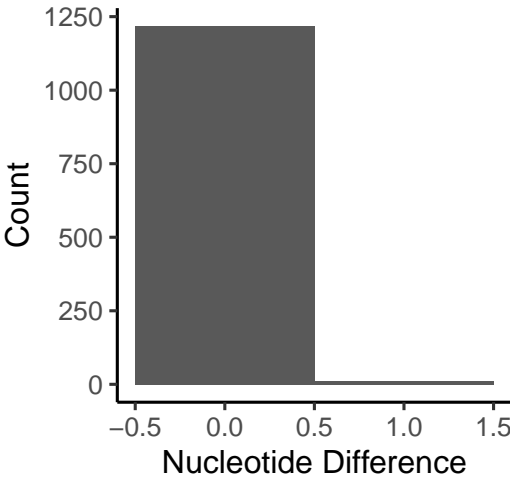
TRBV7-8\*ap03

1369 sequences assigned  
922 (67.3%) exact matches, in which:  
915 unique CDR3  
13 unique J

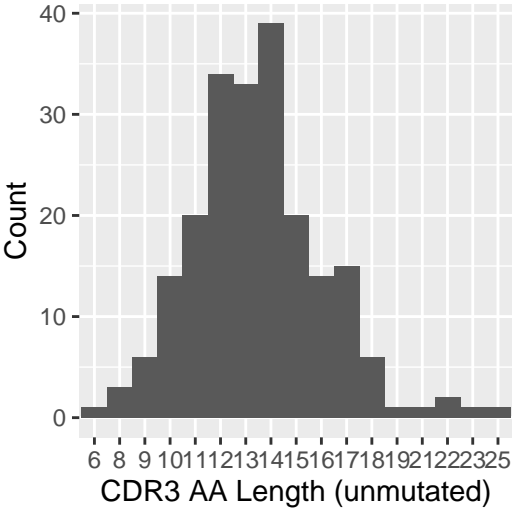


TRBV29-1\*ap02

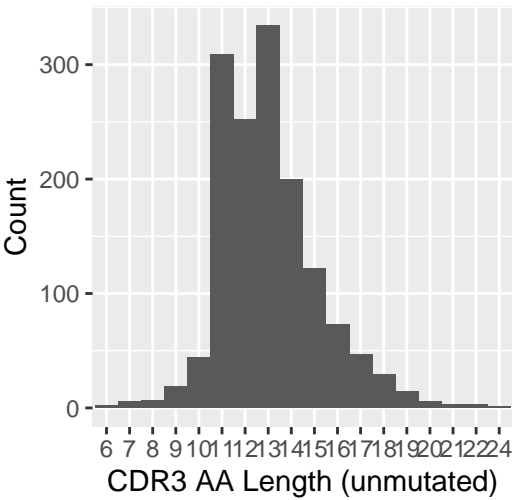
1230 sequences assigned  
1218 (99%) exact matches, in which:  
1195 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.