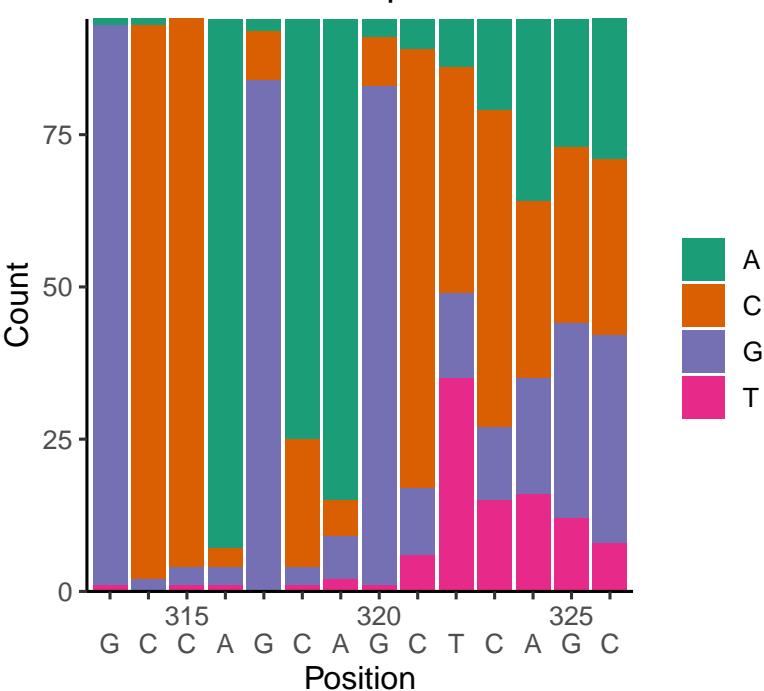
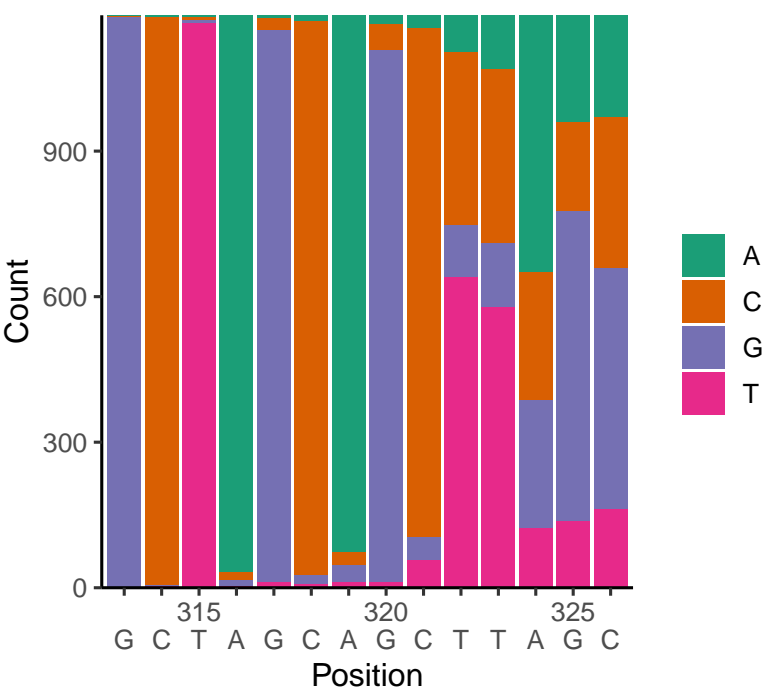


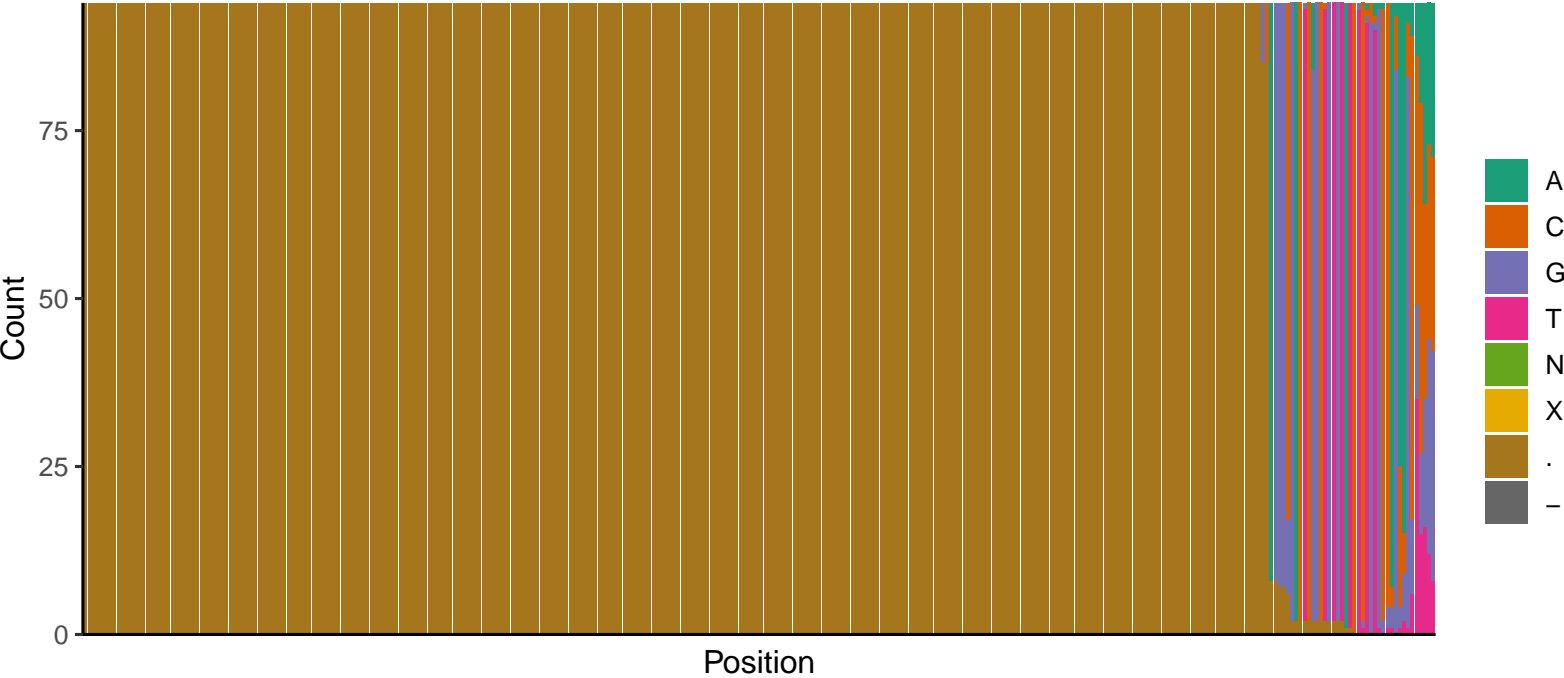
Gene TRBV7-1\*ap01\_T296C



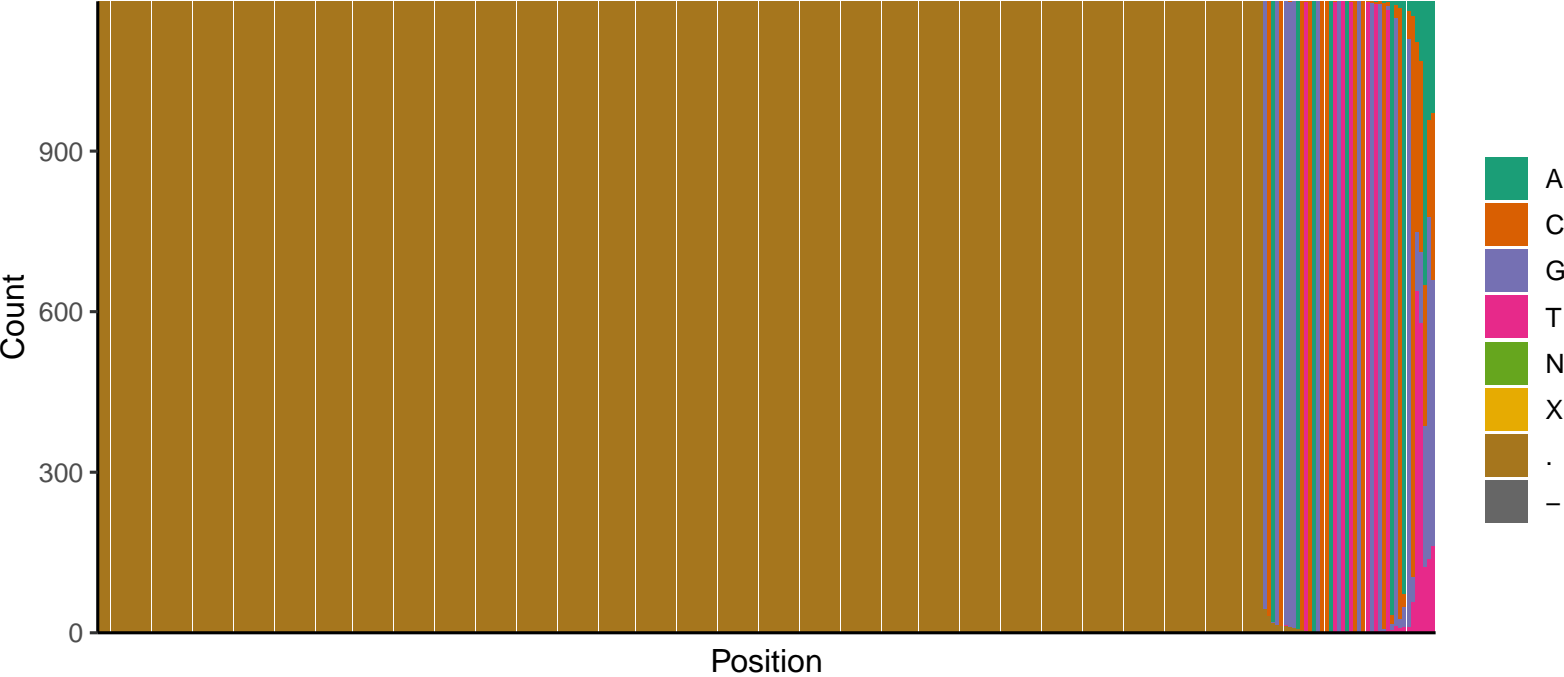
Gene TRBV7-7\*ap01\_C315T



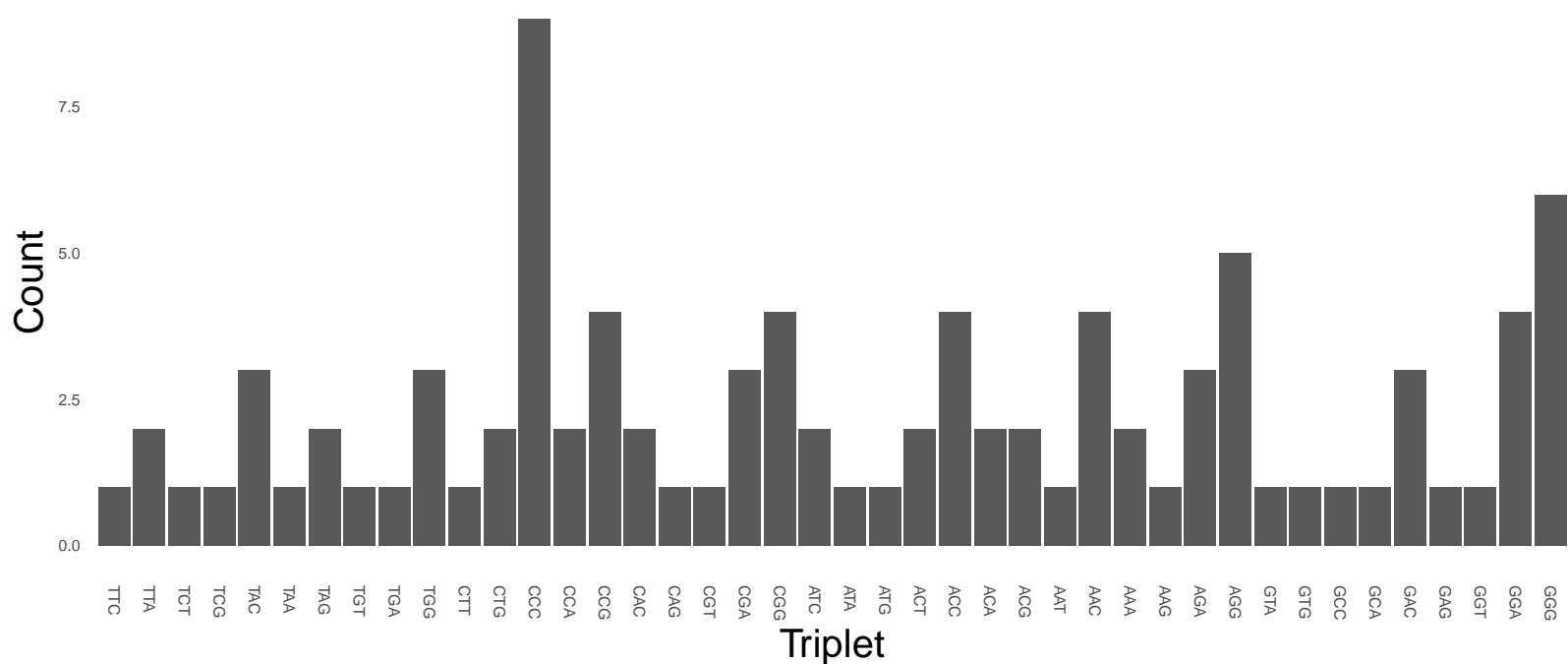
Gene TRBV7-1\*ap01\_T296C



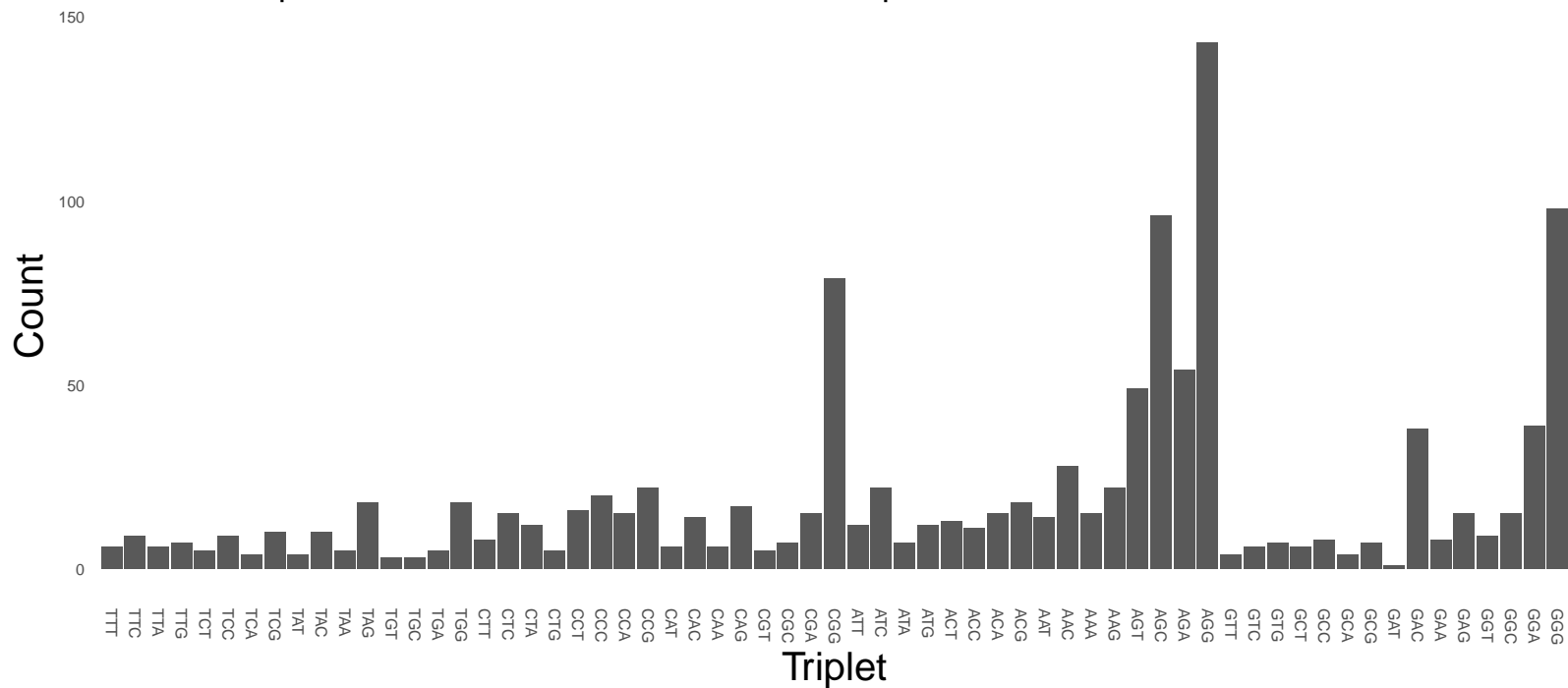
Gene TRBV7-7\*ap01\_C315T



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

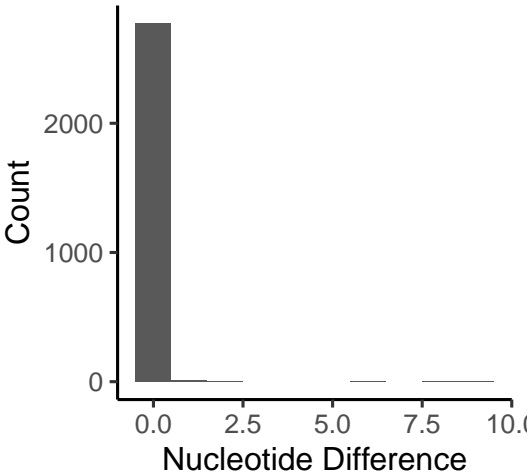


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



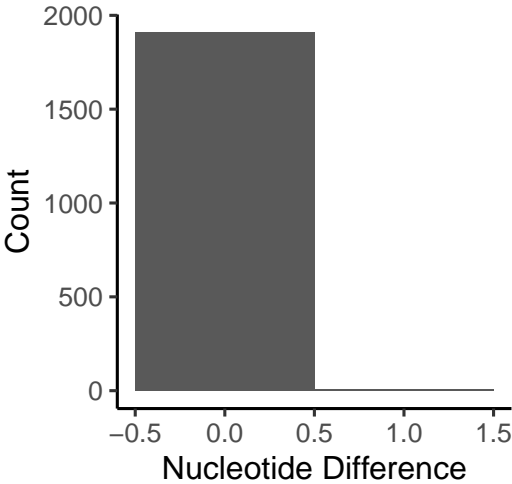
TRBV10-1\*ap01

2791 sequences assigned  
2773 (99.4%) exact matches, in which:  
2756 unique CDR3  
13 unique J



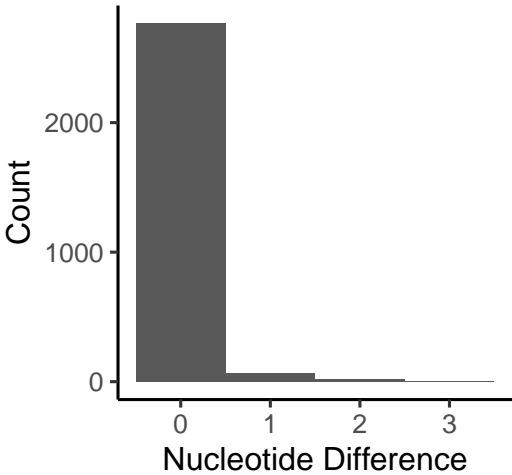
TRBV10-2\*ap01

1918 sequences assigned  
1909 (99.5%) exact matches, in which:  
1893 unique CDR3  
13 unique J



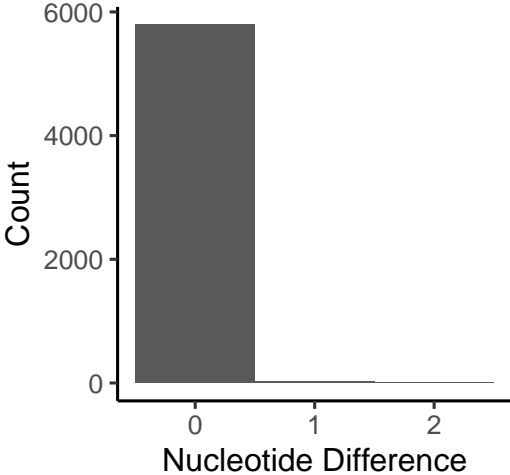
TRBV13\*ap01

2848 sequences assigned  
2766 (97.1%) exact matches, in which:  
2734 unique CDR3  
13 unique J



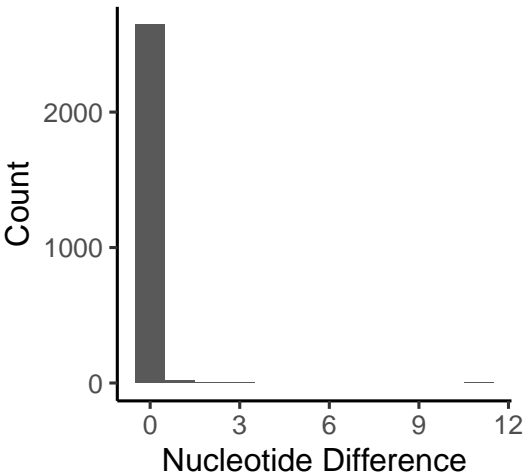
TRBV20-1\*ap01

5816 sequences assigned  
5793 (99.6%) exact matches, in which:  
5767 unique CDR3  
13 unique J



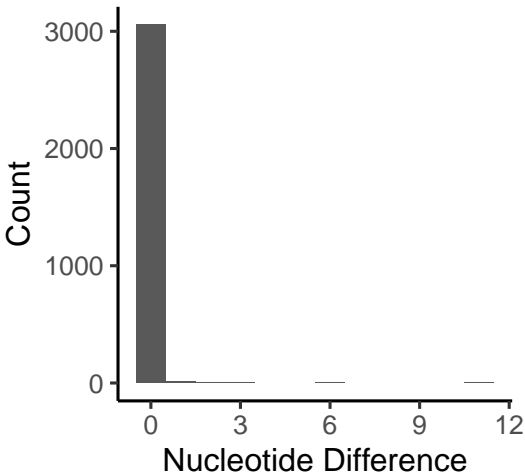
TRBV10-3\*ap01

2666 sequences assigned  
2645 (99.2%) exact matches, in which:  
2632 unique CDR3  
13 unique J



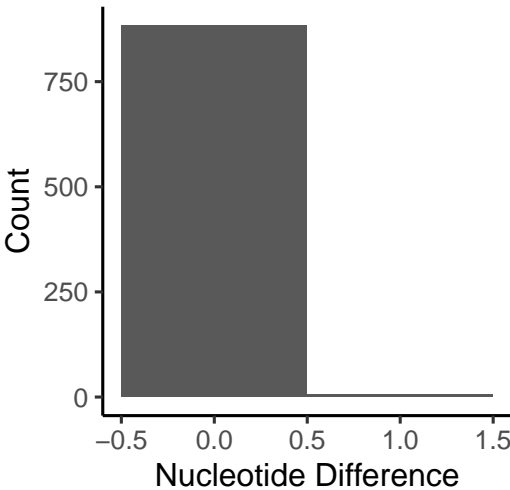
TRBV14\*ap01

3073 sequences assigned  
3056 (99.4%) exact matches, in which:  
3038 unique CDR3  
13 unique J



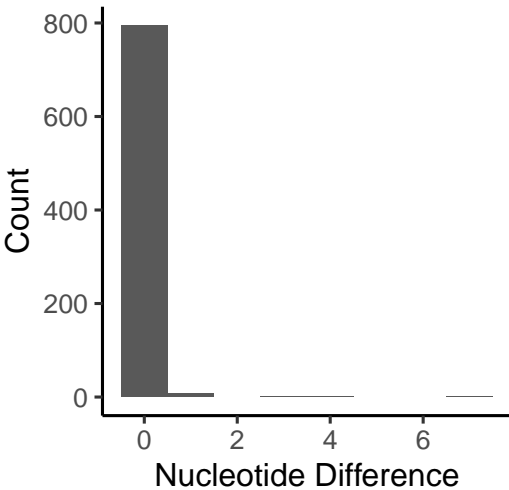
TRBV20-1\*ap02

889 sequences assigned  
884 (99.4%) exact matches, in which:  
880 unique CDR3  
13 unique J



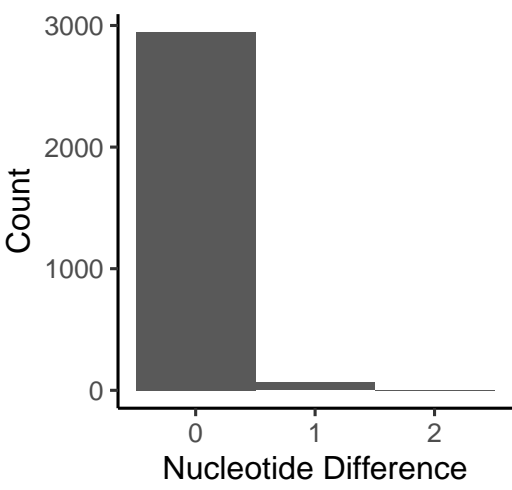
TRBV1\*ap01

806 sequences assigned  
795 (98.6%) exact matches, in which:  
786 unique CDR3  
13 unique J



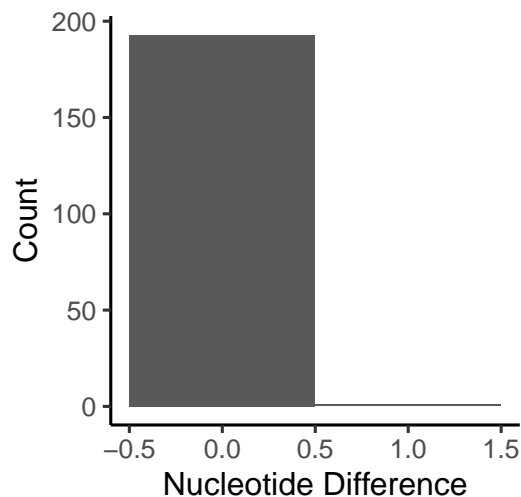
TRBV15\*ap02

3013 sequences assigned  
2946 (97.8%) exact matches, in which:  
2921 unique CDR3  
13 unique J



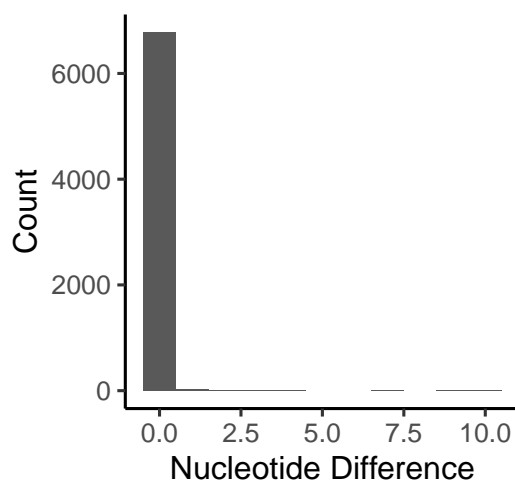
### TRBV16\*ap01

194 sequences assigned  
193 (99.5%) exact matches, in which:  
193 unique CDR3  
13 unique J



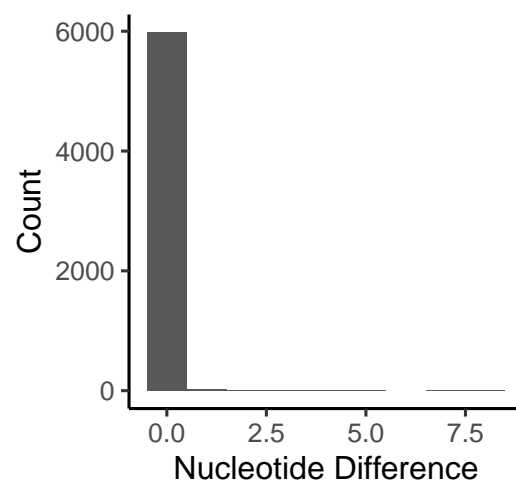
### TRBV19\*ap01

6814 sequences assigned  
6776 (99.4%) exact matches, in which:  
6753 unique CDR3  
13 unique J



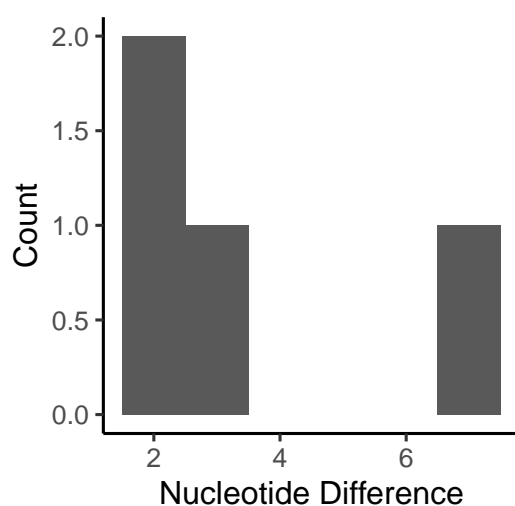
### TRBV27\*ap01

6013 sequences assigned  
5980 (99.5%) exact matches, in which:  
5956 unique CDR3  
13 unique J



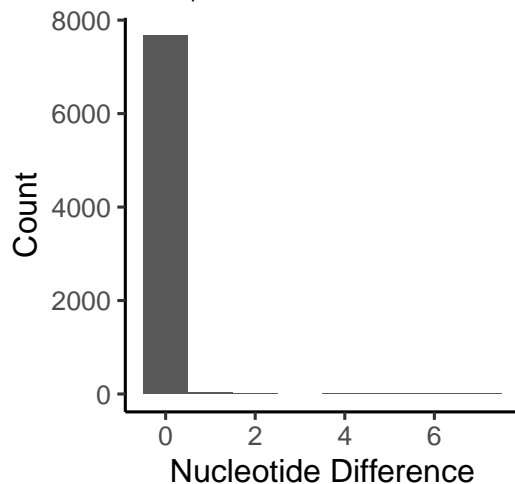
### TRBV17\*ap01

4 sequences assigned  
No exact matches.



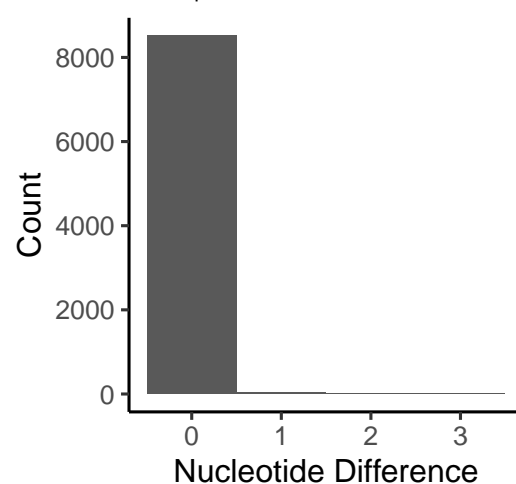
### TRBV2\*ap01

7712 sequences assigned  
7666 (99.4%) exact matches, in which:  
7638 unique CDR3  
13 unique J



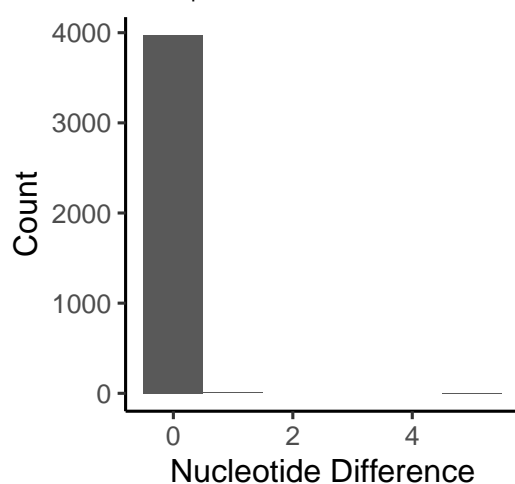
### TRBV28\*ap01

8547 sequences assigned  
8516 (99.6%) exact matches, in which:  
8481 unique CDR3  
13 unique J



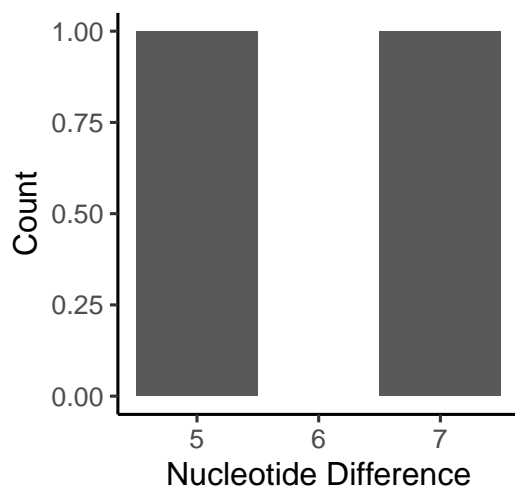
### TRBV18\*ap01

3984 sequences assigned  
3974 (99.7%) exact matches, in which:  
3967 unique CDR3  
13 unique J



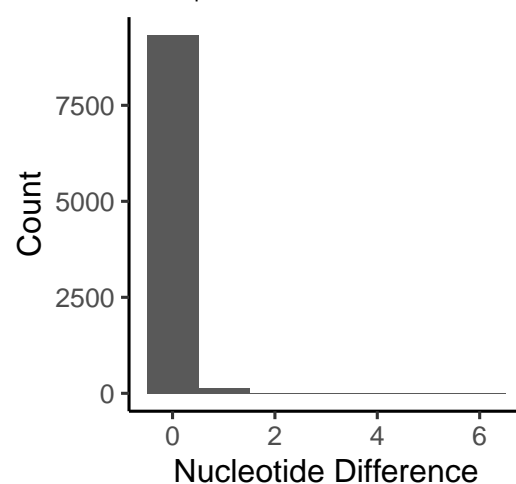
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



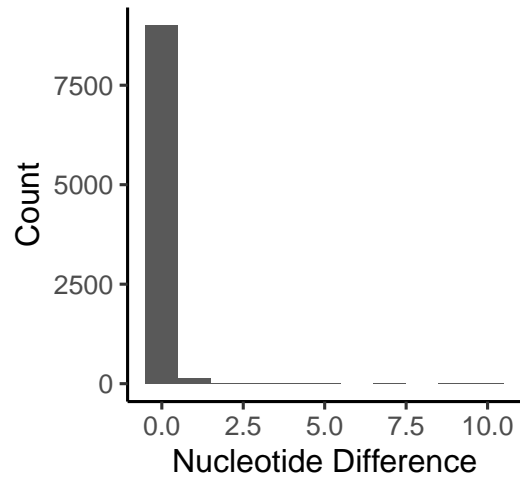
### TRBV30\*ap01

9474 sequences assigned  
9330 (98.5%) exact matches, in which:  
9212 unique CDR3  
13 unique J



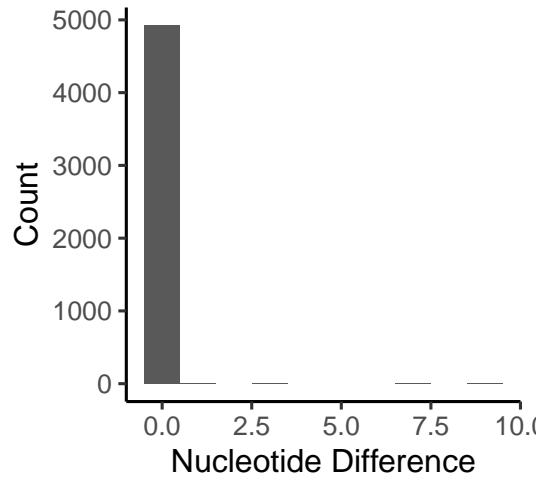
### TRBV9\*ap01

9162 sequences assigned  
9003 (98.3%) exact matches, in which:  
8955 unique CDR3  
13 unique J



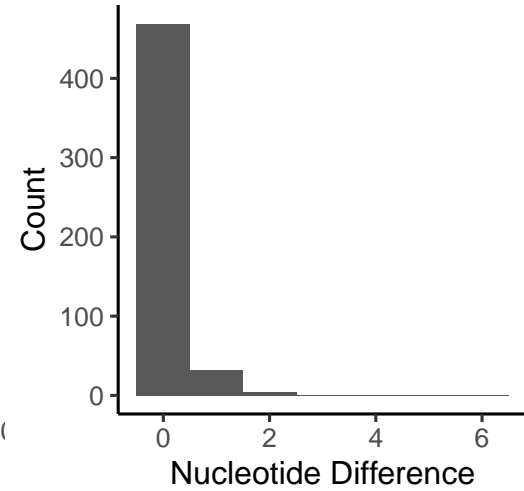
### TRBV11-2\*ap01

4937 sequences assigned  
4924 (99.7%) exact matches, in which:  
4895 unique CDR3  
13 unique J



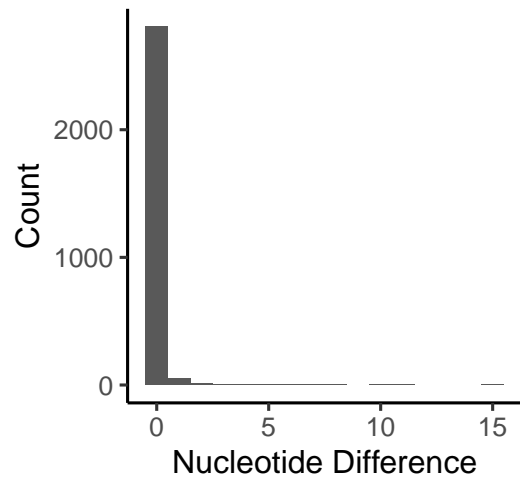
### TRBV12-2\*ap01

509 sequences assigned  
469 (92.1%) exact matches, in which:  
466 unique CDR3  
13 unique J



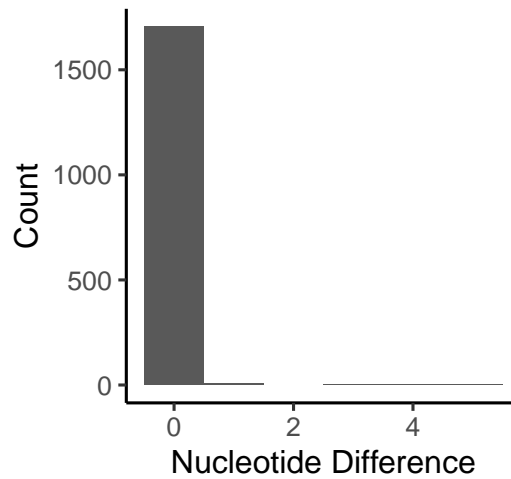
### TRBV21-1\*ap01

2881 sequences assigned  
2807 (97.4%) exact matches, in which:  
2802 unique CDR3  
13 unique J



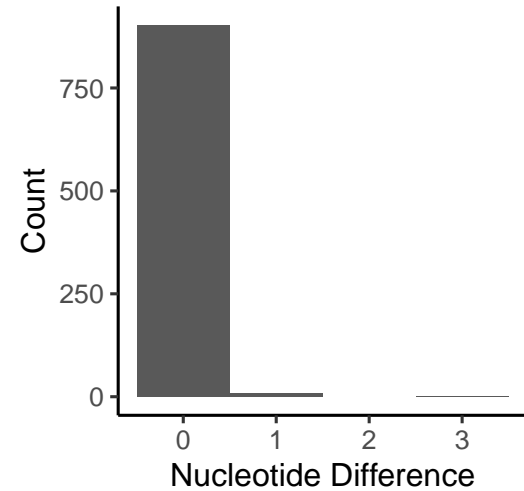
### TRBV11-3\*ap01

1714 sequences assigned  
1705 (99.5%) exact matches, in which:  
1701 unique CDR3  
13 unique J



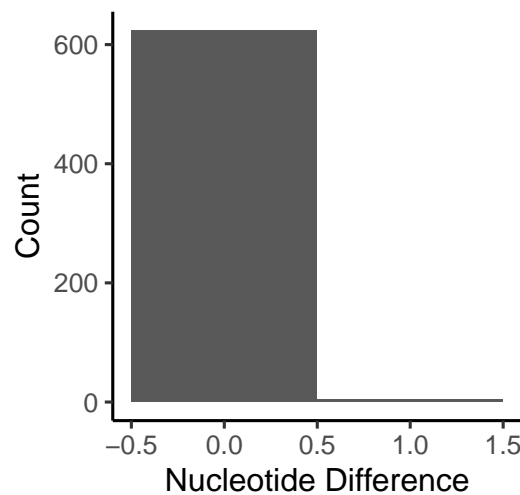
### TRBV12-5\*ap01

913 sequences assigned  
903 (98.9%) exact matches, in which:  
896 unique CDR3  
13 unique J



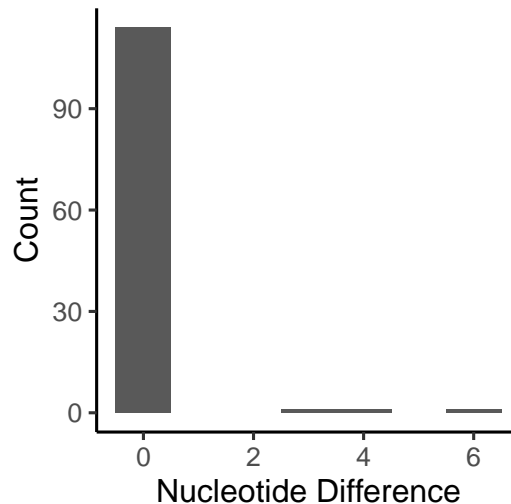
### TRBV11-1\*ap01

628 sequences assigned  
624 (99.4%) exact matches, in which:  
622 unique CDR3  
13 unique J



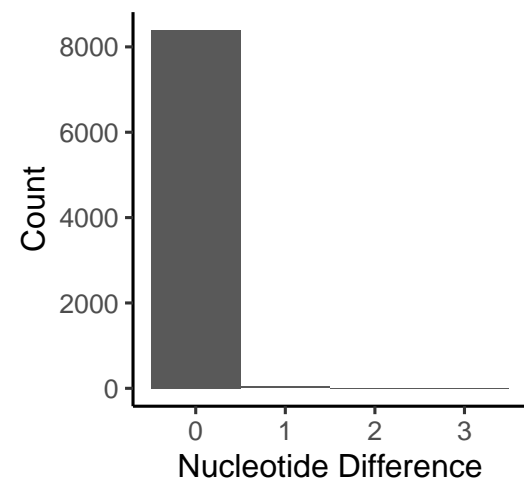
### TRBV12-1\*ap01

117 sequences assigned  
114 (97.4%) exact matches, in which:  
114 unique CDR3  
13 unique J



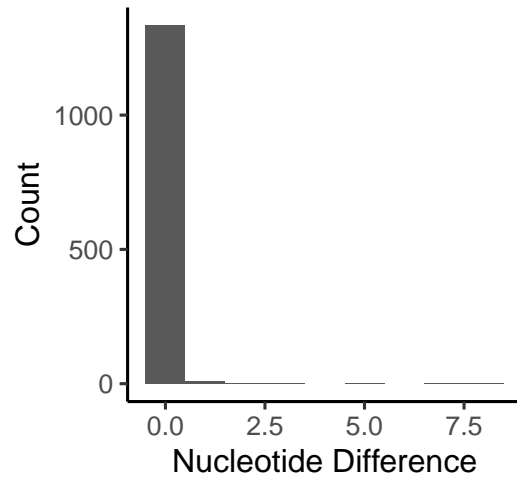
### TRBV12-34\*ap01

8442 sequences assigned  
8394 (99.4%) exact matches, in which:  
8355 unique CDR3  
13 unique J



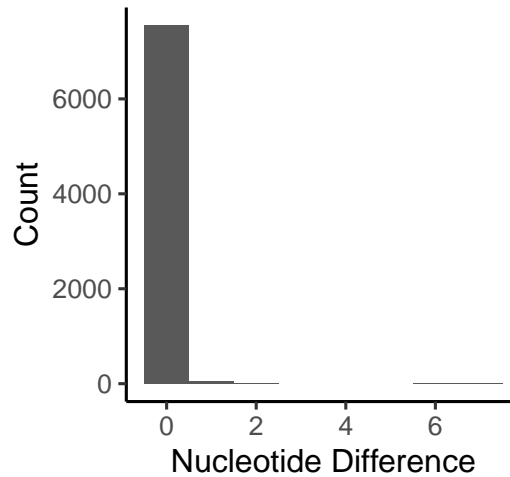
### TRBV23-1\*ap01

1350 sequences assigned  
1334 (98.8%) exact matches, in which:  
1330 unique CDR3  
13 unique J



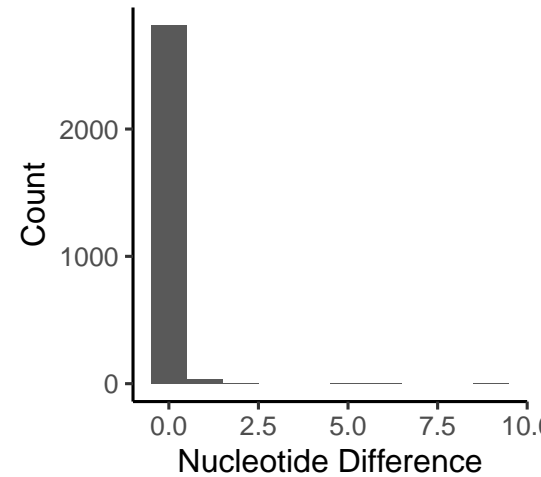
### TRBV4-1\*ap01

7596 sequences assigned  
7548 (99.4%) exact matches, in which:  
7487 unique CDR3  
13 unique J



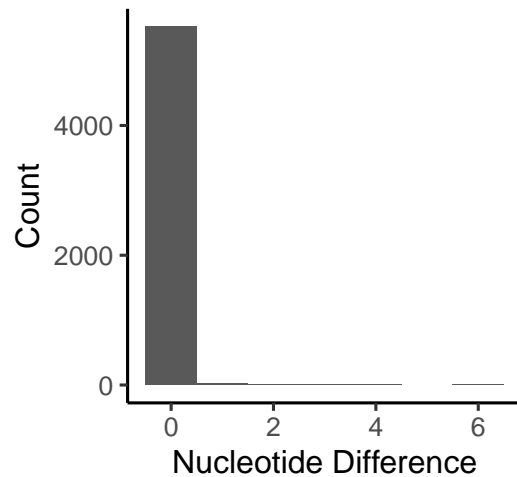
### TRBV25-1\*ap01

2852 sequences assigned  
2814 (98.7%) exact matches, in which:  
2775 unique CDR3  
13 unique J



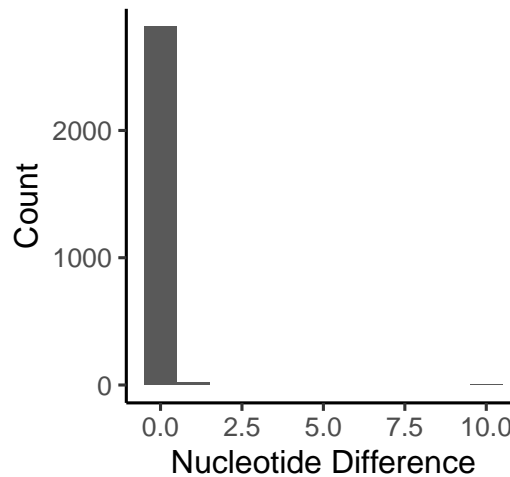
### TRBV3-12\*ap01

5552 sequences assigned  
5522 (99.5%) exact matches, in which:  
5507 unique CDR3  
13 unique J



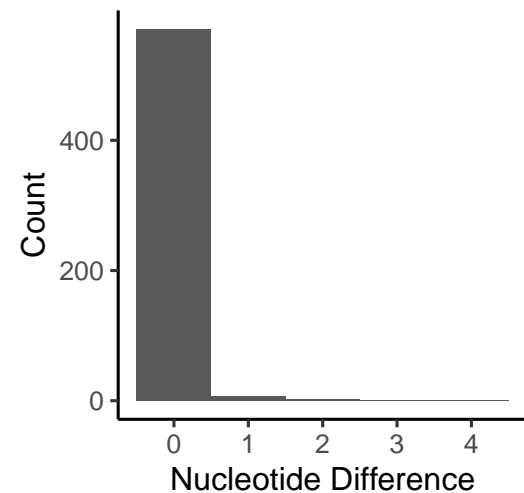
### TRBV4-2\*ap01

2836 sequences assigned  
2815 (99.3%) exact matches, in which:  
2787 unique CDR3  
13 unique J



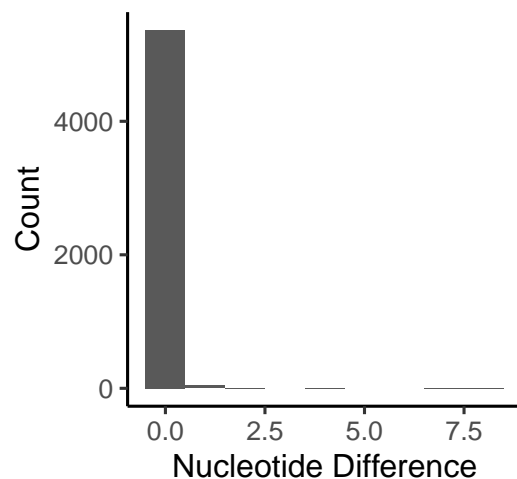
### TRBV5-3\*ap01

583 sequences assigned  
571 (97.9%) exact matches, in which:  
567 unique CDR3  
13 unique J



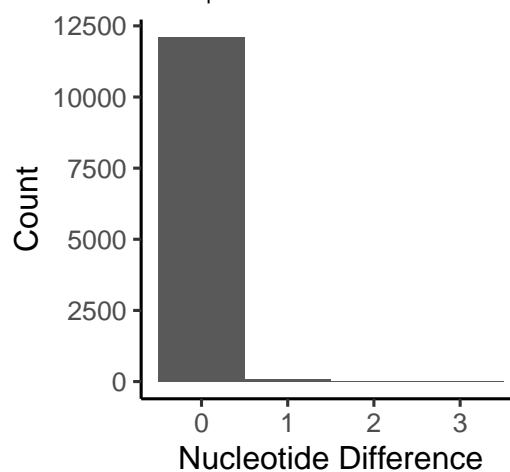
### TRBV24-1\*ap01

5416 sequences assigned  
5367 (99.1%) exact matches, in which:  
5309 unique CDR3  
13 unique J



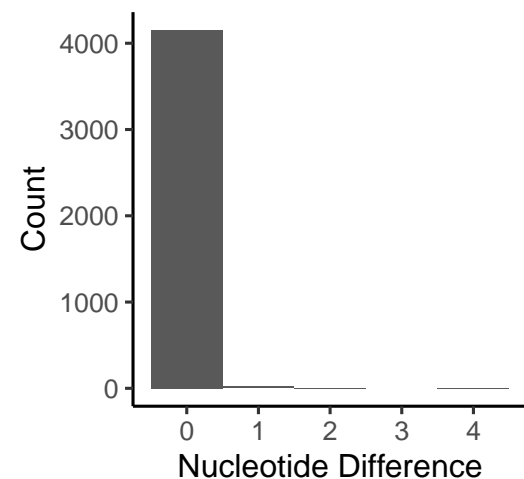
### TRBV5-1\*ap01

12214 sequences assigned  
12116 (99.2%) exact matches, in which:  
12057 unique CDR3  
13 unique J



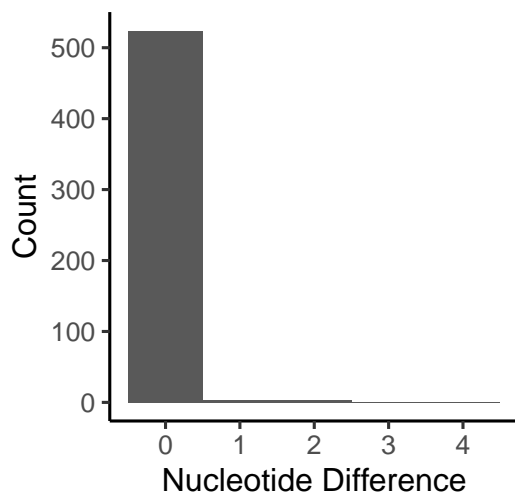
### TRBV5-4\*ap01

4176 sequences assigned  
4153 (99.4%) exact matches, in which:  
4128 unique CDR3  
13 unique J



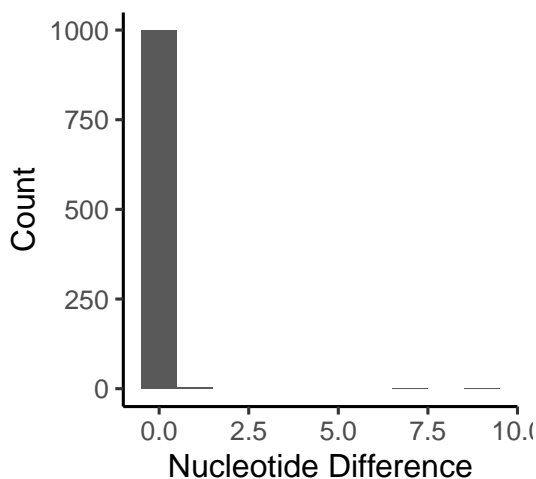
### TRBV5-5\*ap01

532 sequences assigned  
524 (98.5%) exact matches, in which:  
523 unique CDR3  
13 unique J



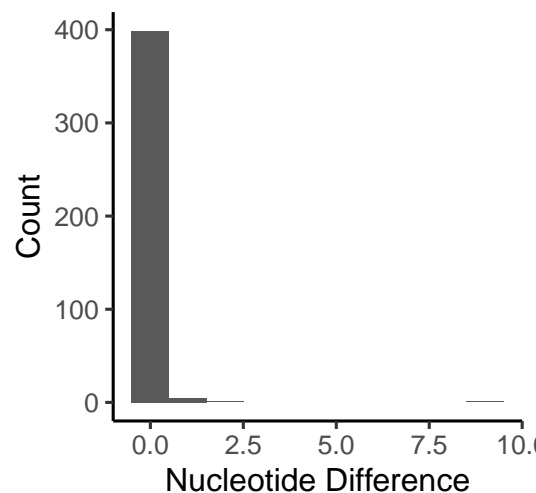
### TRBV5-8\*ap01

1006 sequences assigned  
999 (99.3%) exact matches, in which:  
994 unique CDR3  
13 unique J



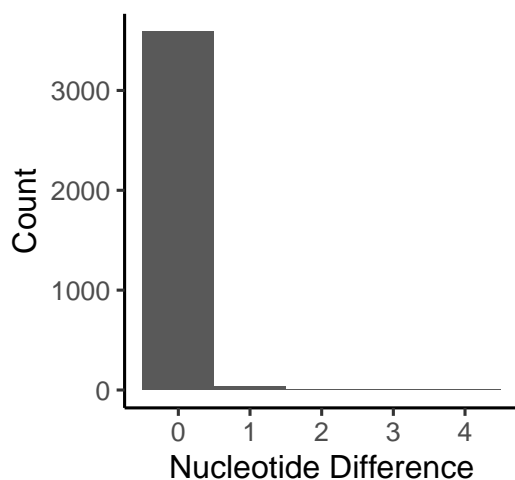
### TRBV6-7\*ap01

406 sequences assigned  
399 (98.3%) exact matches, in which:  
391 unique CDR3  
13 unique J



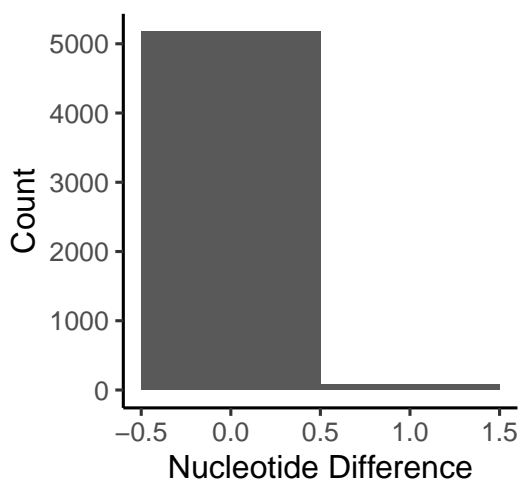
### TRBV5-6\*ap01

3633 sequences assigned  
3588 (98.8%) exact matches, in which:  
3562 unique CDR3  
13 unique J



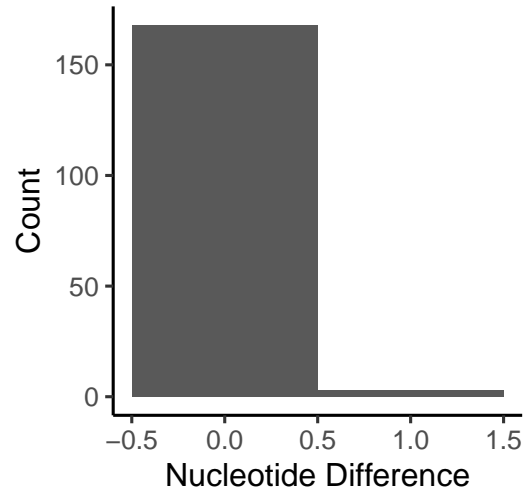
### TRBV6-1\*ap01

5260 sequences assigned  
5174 (98.4%) exact matches, in which:  
5126 unique CDR3  
13 unique J



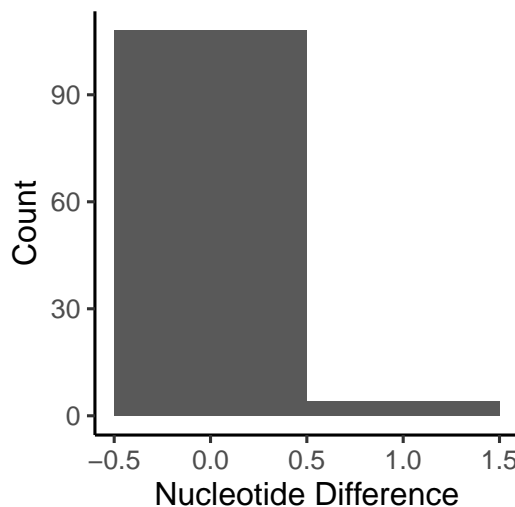
### TRBV6-8\*ap01

171 sequences assigned  
168 (98.2%) exact matches, in which:  
167 unique CDR3  
13 unique J



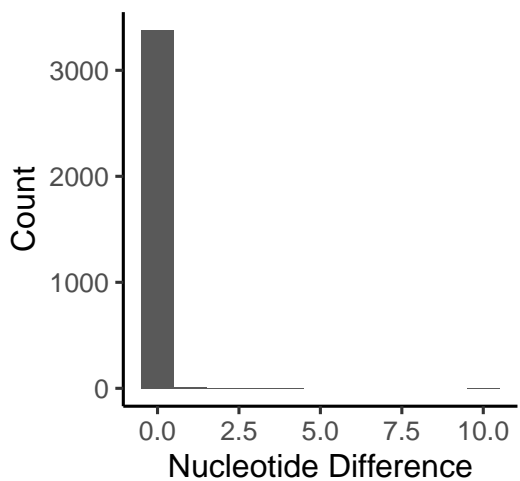
### TRBV5-7\*ap01

112 sequences assigned  
108 (96.4%) exact matches, in which:  
107 unique CDR3  
13 unique J



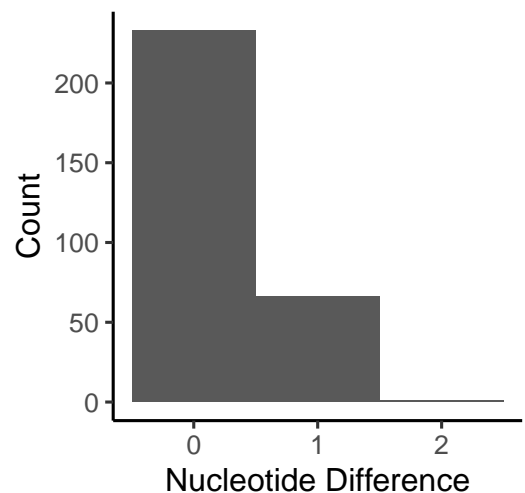
### TRBV6-4\*ap01

3404 sequences assigned  
3380 (99.3%) exact matches, in which:  
3357 unique CDR3  
13 unique J



### TRBV6-9\*ap01

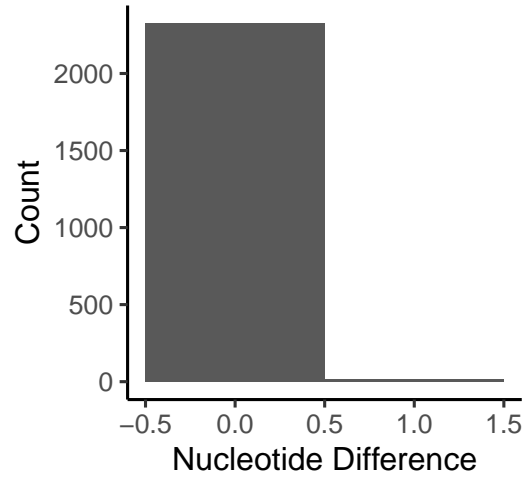
300 sequences assigned  
233 (77.7%) exact matches, in which:  
226 unique CDR3  
13 unique J





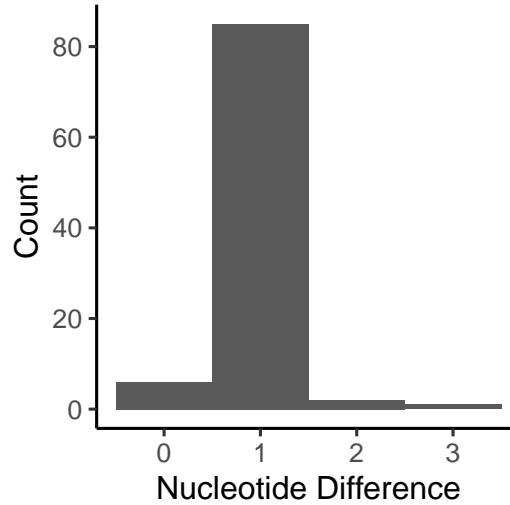
### TRBV6-23\*ap01

2340 sequences assigned  
2325 (99.4%) exact matches, in which:  
2307 unique CDR3  
13 unique J



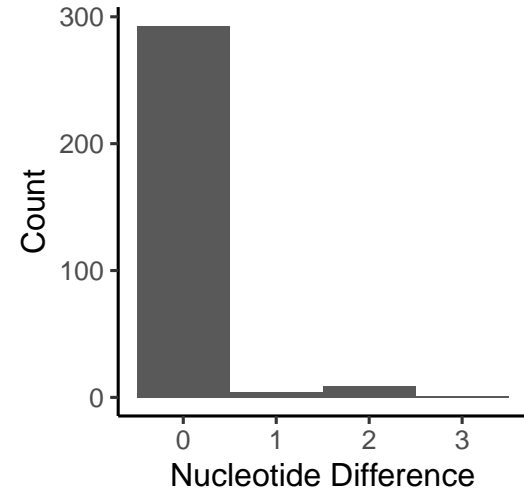
### TRBV7-1\*ap01\_T296C

94 sequences assigned  
6 (6.4%) exact matches, in which:  
6 unique CDR3  
4 unique J



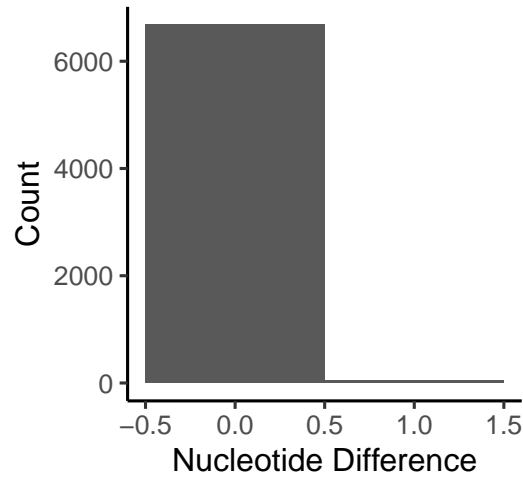
### TRBV7-4\*ap01

307 sequences assigned  
293 (95.4%) exact matches, in which:  
291 unique CDR3  
13 unique J



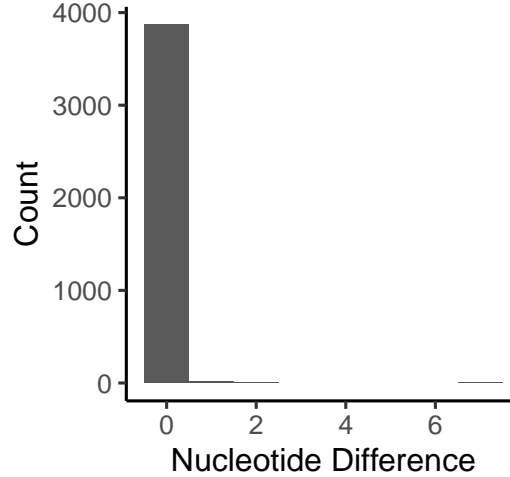
### TRBV6-56\*ap01

6726 sequences assigned  
6681 (99.3%) exact matches, in which:  
6624 unique CDR3  
13 unique J



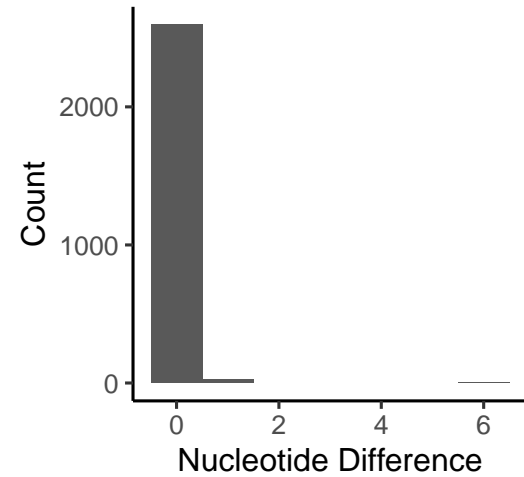
### TRBV7-2\*ap01

3885 sequences assigned  
3869 (99.6%) exact matches, in which:  
3859 unique CDR3  
13 unique J



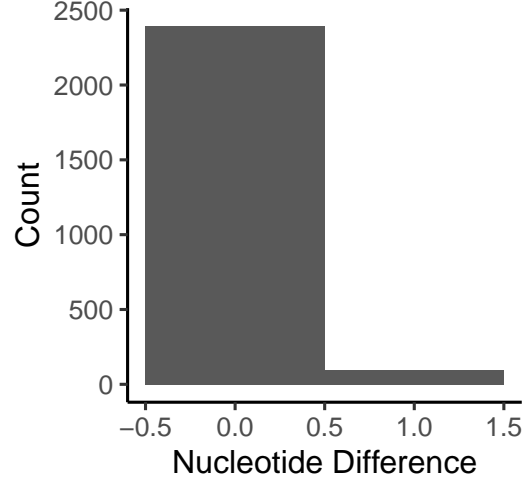
### TRBV7-6\*ap01

2619 sequences assigned  
2595 (99.1%) exact matches, in which:  
2589 unique CDR3  
13 unique J



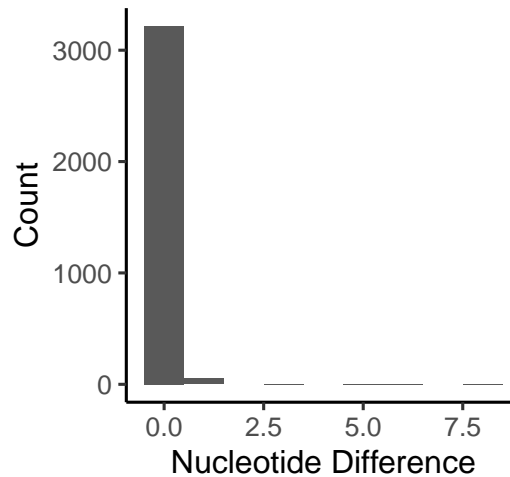
### TRBV6-56\*ap02

2490 sequences assigned  
2394 (96.1%) exact matches, in which:  
2367 unique CDR3  
13 unique J



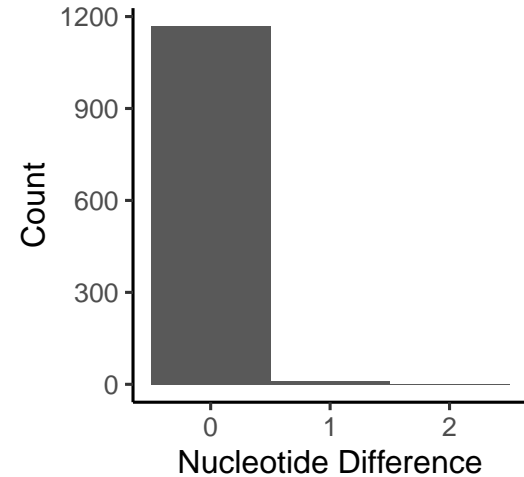
### TRBV7-3\*ap01

3274 sequences assigned  
3217 (98.3%) exact matches, in which:  
3204 unique CDR3  
13 unique J



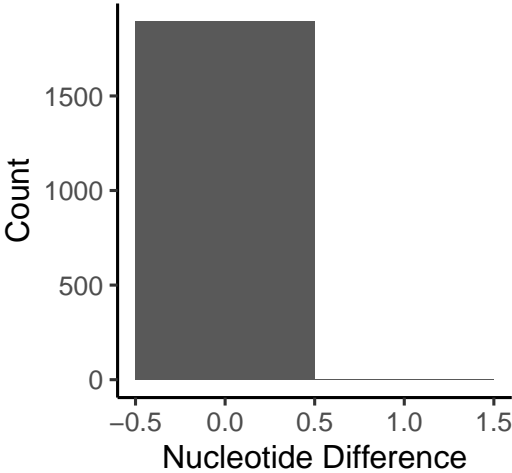
### TRBV7-7\*ap01\_C315T

1180 sequences assigned  
1169 (99.1%) exact matches, in which:  
1164 unique CDR3  
13 unique J



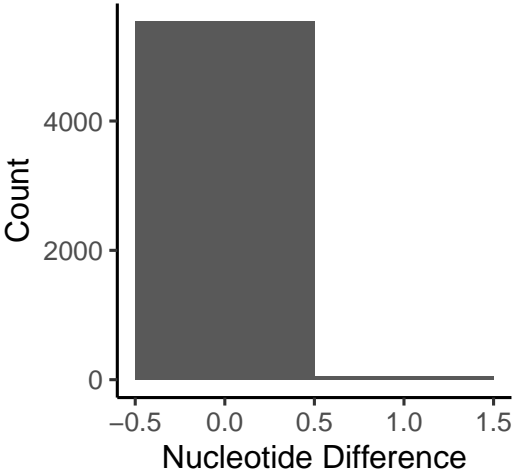
TRBV7-8\*ap01

1898 sequences assigned  
1894 (99.8%) exact matches, in which:  
1886 unique CDR3  
13 unique J



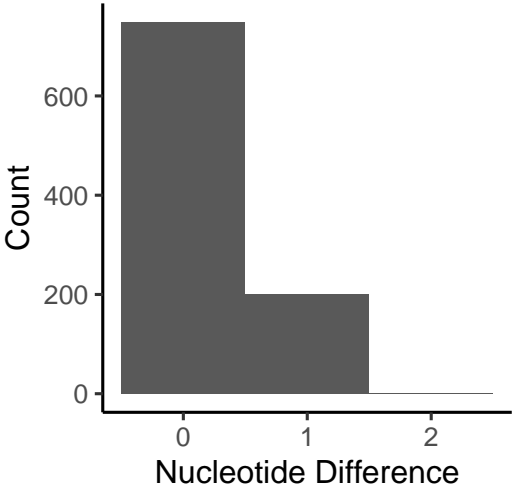
TRBV29-1\*ap01

5593 sequences assigned  
5540 (99.1%) exact matches, in which:  
5437 unique CDR3  
13 unique J



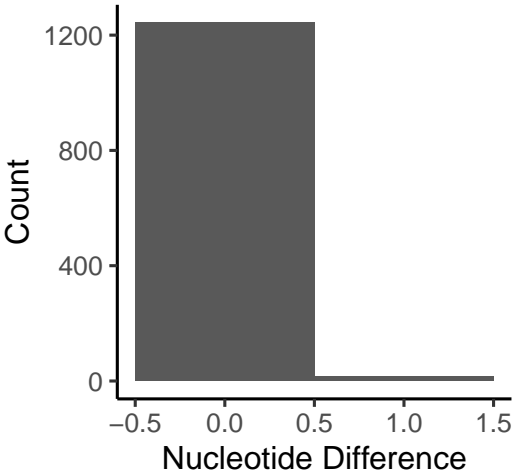
TRBV7-8\*ap03

950 sequences assigned  
749 (78.8%) exact matches, in which:  
744 unique CDR3  
13 unique J



TRBV29-1\*ap02

1259 sequences assigned  
1243 (98.7%) exact matches, in which:  
1216 unique CDR3  
13 unique J



TRBV7-9\*ap01

7303 sequences assigned  
7233 (99%) exact matches, in which:  
7209 unique CDR3  
13 unique J

