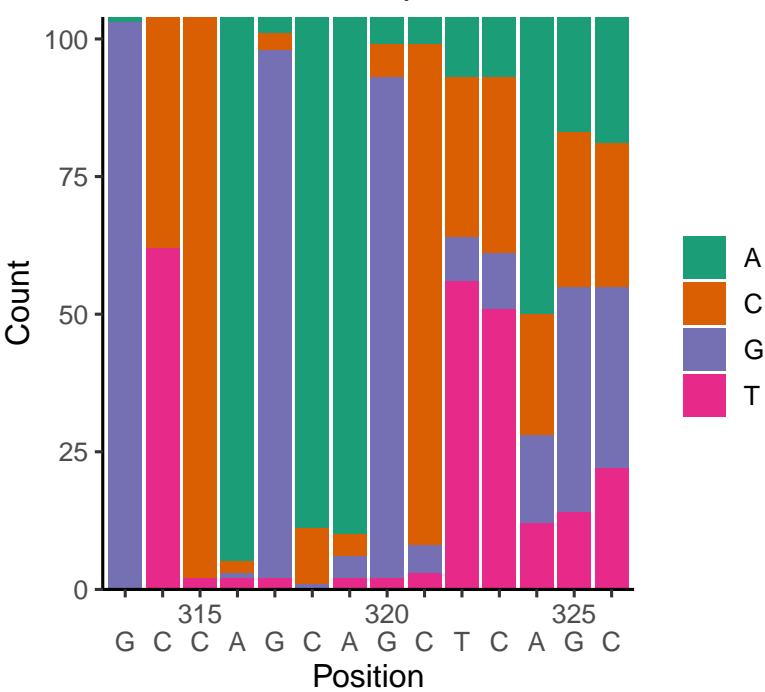


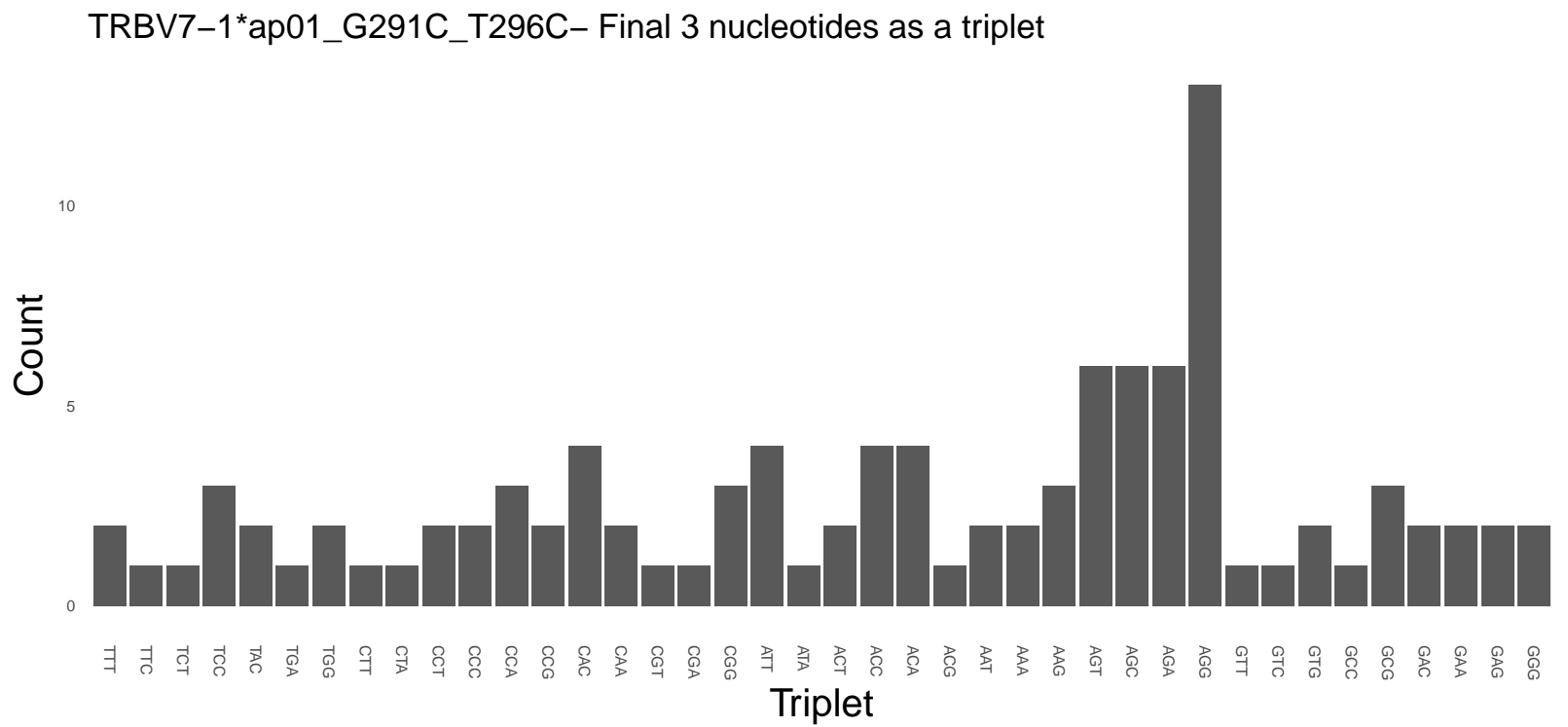
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-1\*ap01\_G291C\_T296C

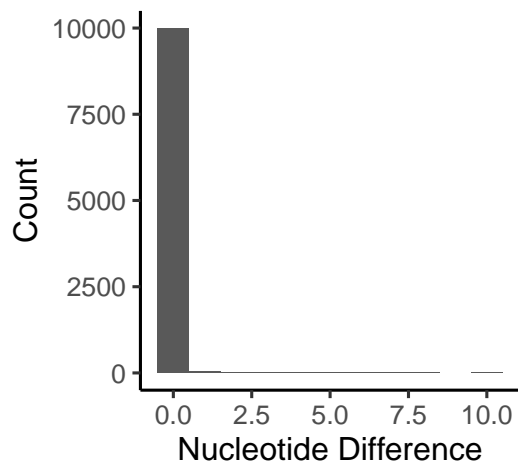


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



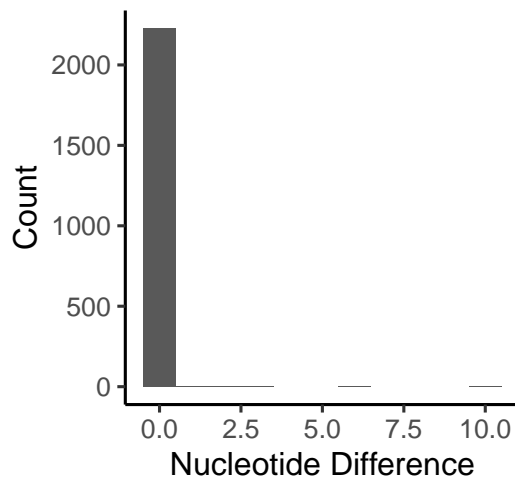
### TRBV20-1\*ap01

10045 sequences assigned  
9997 (99.5%) exact matches, in which:  
9980 unique CDR3  
14 unique J



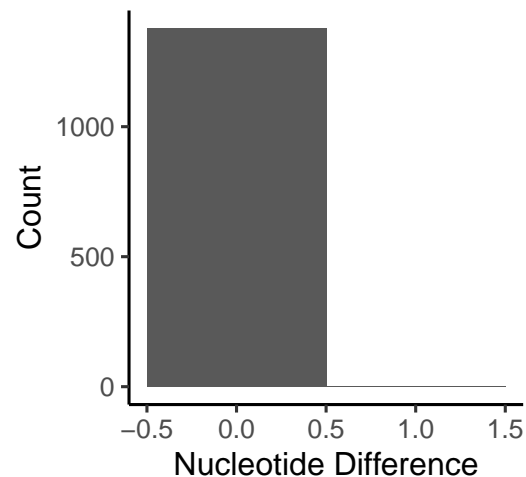
### TRBV10-3\*ap01

2236 sequences assigned  
2227 (99.6%) exact matches, in which:  
2227 unique CDR3  
14 unique J



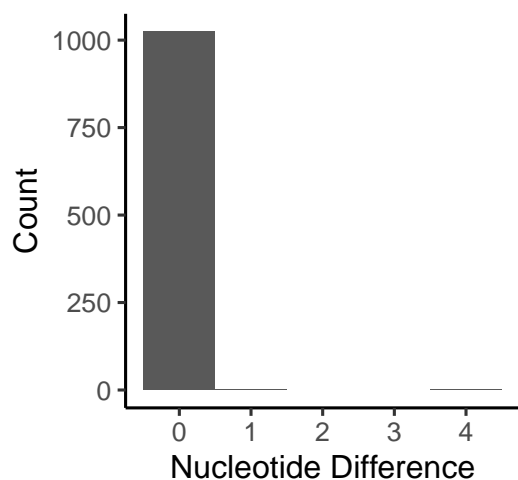
### TRBV14\*ap01

1379 sequences assigned  
1378 (99.9%) exact matches, in which:  
1377 unique CDR3  
14 unique J



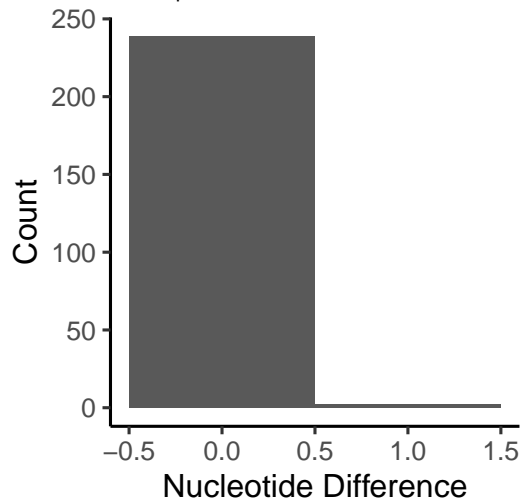
### TRBV10-1\*ap01

1027 sequences assigned  
1024 (99.7%) exact matches, in which:  
1024 unique CDR3  
14 unique J



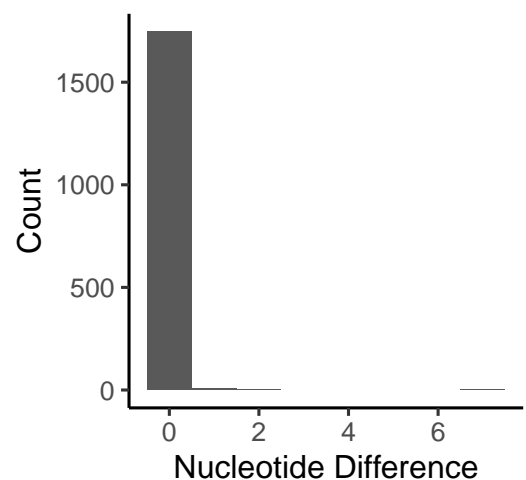
### TRBV1\*ap01

241 sequences assigned  
239 (99.2%) exact matches, in which:  
237 unique CDR3  
14 unique J



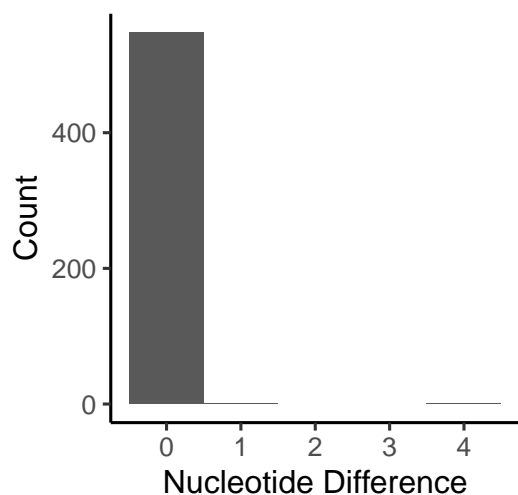
### TRBV15\*ap02

1754 sequences assigned  
1746 (99.5%) exact matches, in which:  
1740 unique CDR3  
14 unique J



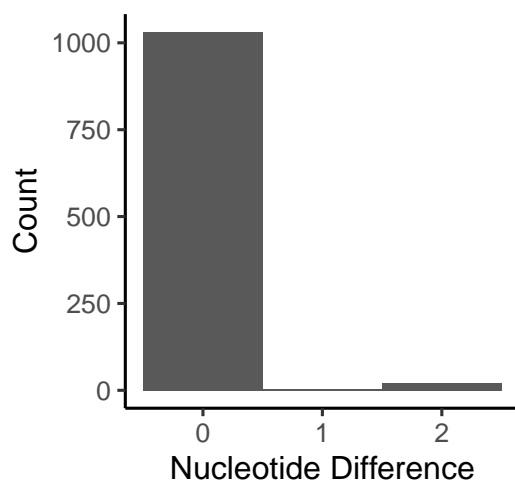
### TRBV10-2\*ap01

550 sequences assigned  
548 (99.6%) exact matches, in which:  
547 unique CDR3  
14 unique J



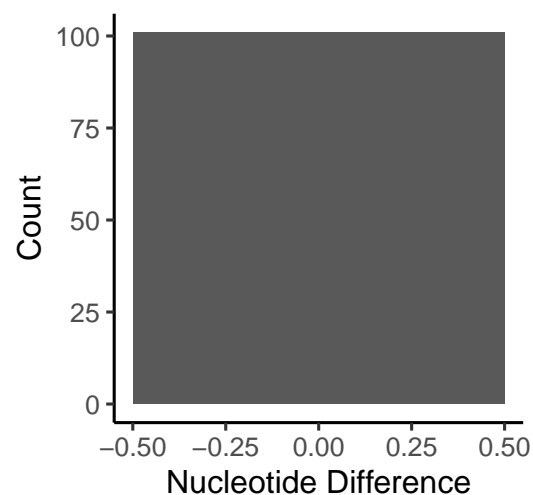
### TRBV13\*ap01

1055 sequences assigned  
1031 (97.7%) exact matches, in which:  
1026 unique CDR3  
14 unique J



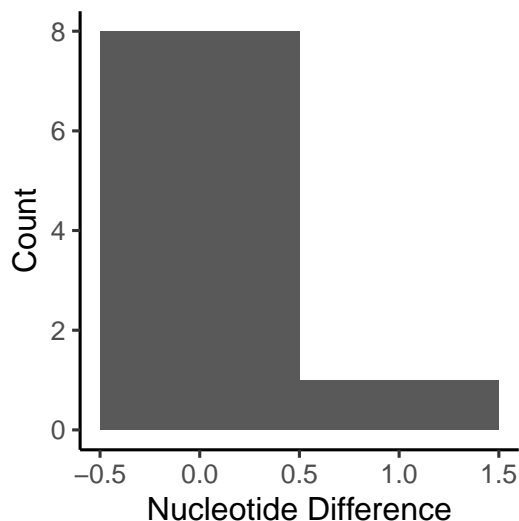
### TRBV16\*ap01

101 sequences assigned  
101 (100%) exact matches, in which:  
101 unique CDR3  
14 unique J



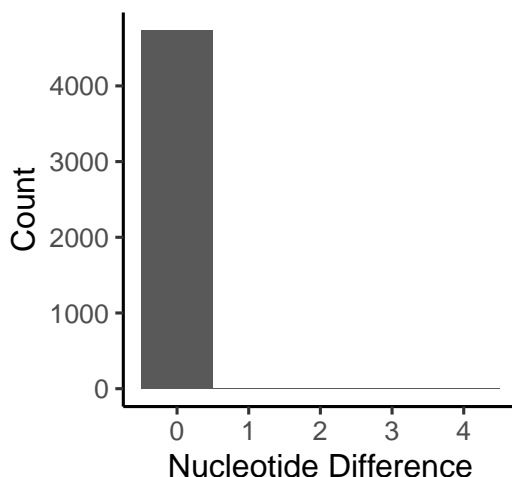
### TRBV17\*ap01

9 sequences assigned  
8 (88.9%) exact matches, in which:  
8 unique CDR3  
5 unique J



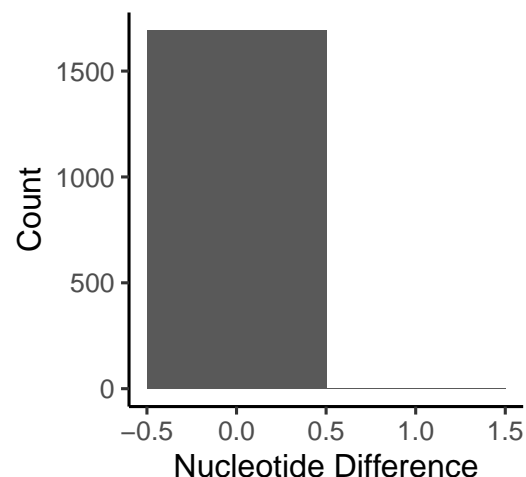
### TRBV2\*ap01

4750 sequences assigned  
4733 (99.6%) exact matches, in which:  
4720 unique CDR3  
14 unique J



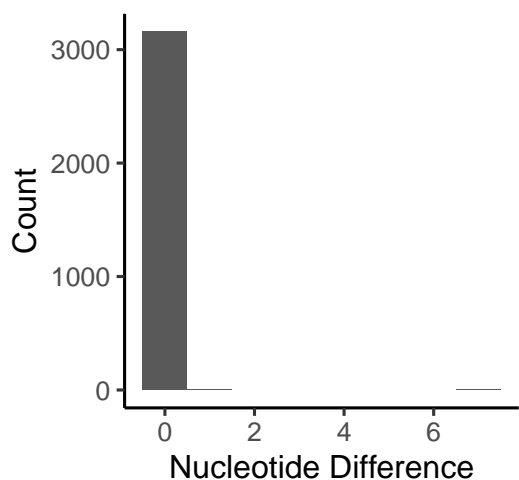
### TRBV28\*ap01

1695 sequences assigned  
1692 (99.8%) exact matches, in which:  
1691 unique CDR3  
14 unique J



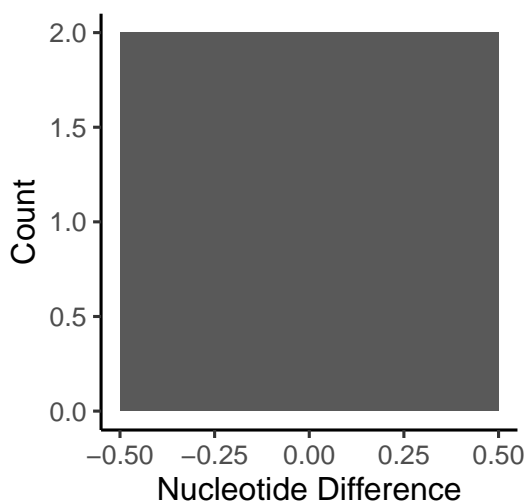
### TRBV18\*ap01

3163 sequences assigned  
3158 (99.8%) exact matches, in which:  
3155 unique CDR3  
14 unique J



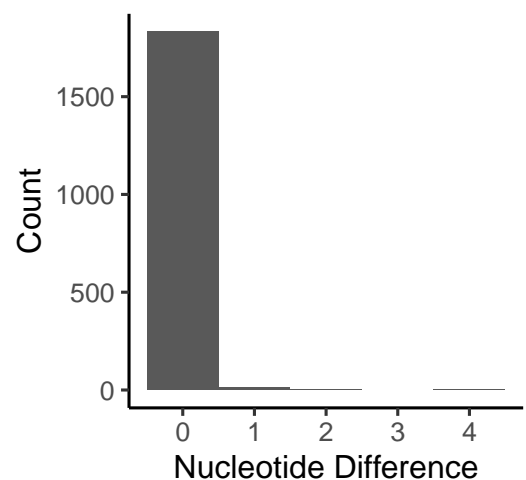
### TRBV26\*ap01

2 sequences assigned  
2 (100%) exact matches, in which:  
2 unique CDR3  
2 unique J



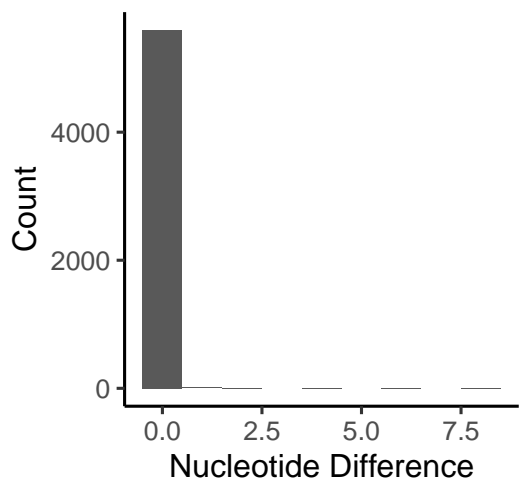
### TRBV30\*ap02

1848 sequences assigned  
1832 (99.1%) exact matches, in which:  
1828 unique CDR3  
14 unique J



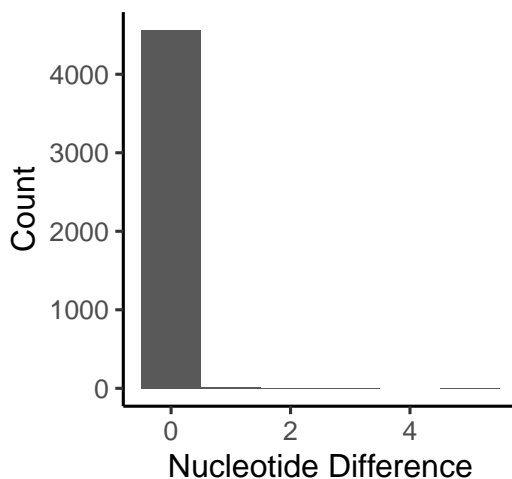
### TRBV19\*ap01

5615 sequences assigned  
5595 (99.6%) exact matches, in which:  
5594 unique CDR3  
14 unique J



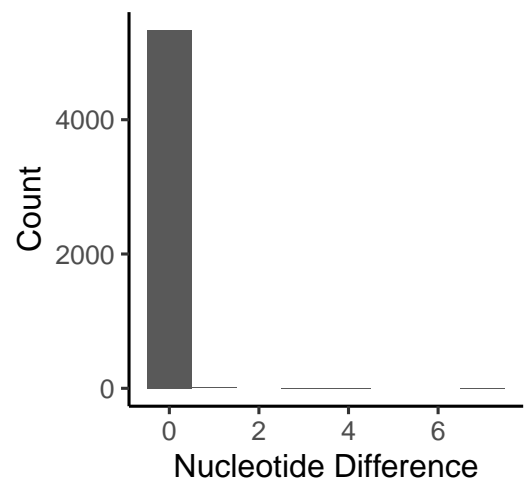
### TRBV27\*ap01

4585 sequences assigned  
4563 (99.5%) exact matches, in which:  
4546 unique CDR3  
14 unique J



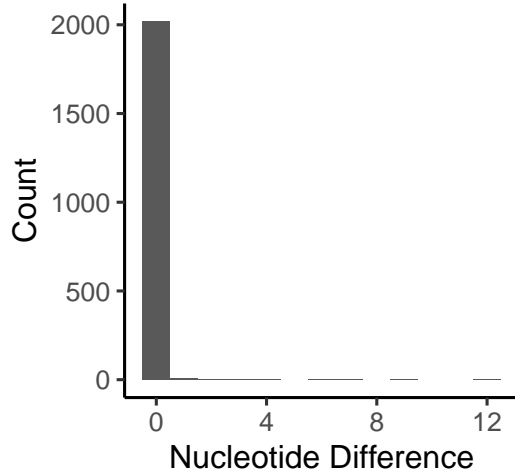
### TRBV9\*ap01

5348 sequences assigned  
5335 (99.8%) exact matches, in which:  
5324 unique CDR3  
14 unique J



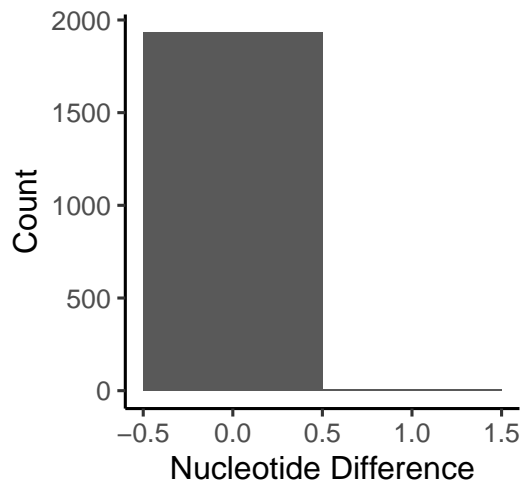
### TRBV21-1\*ap01

2044 sequences assigned  
2019 (98.8%) exact matches, in which:  
2017 unique CDR3  
15 unique J



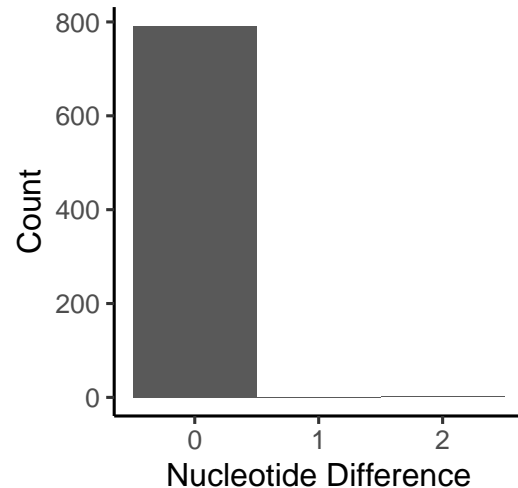
### TRBV11-3\*ap01

1939 sequences assigned  
1933 (99.7%) exact matches, in which:  
1932 unique CDR3  
14 unique J



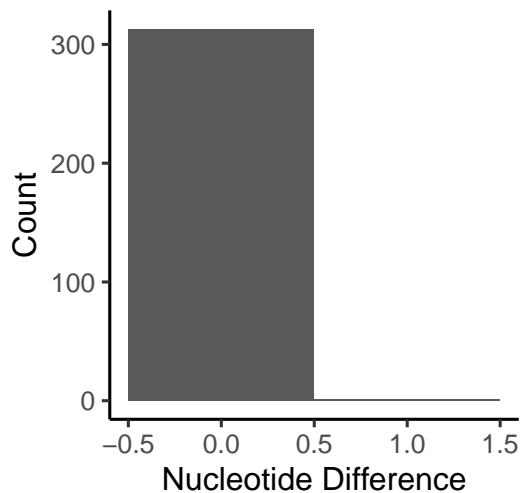
### TRBV12-5\*ap01

795 sequences assigned  
792 (99.6%) exact matches, in which:  
792 unique CDR3  
14 unique J



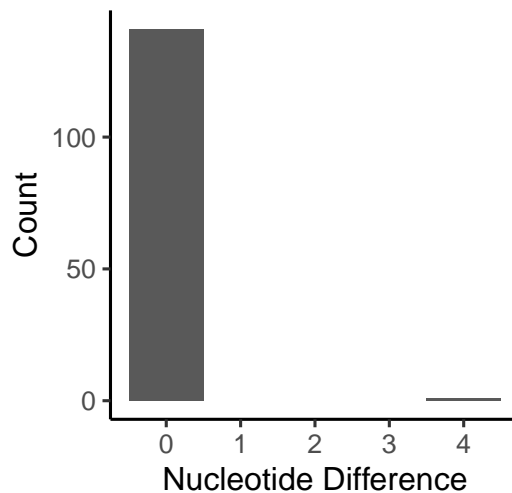
### TRBV11-1\*ap01

314 sequences assigned  
313 (99.7%) exact matches, in which:  
313 unique CDR3  
14 unique J



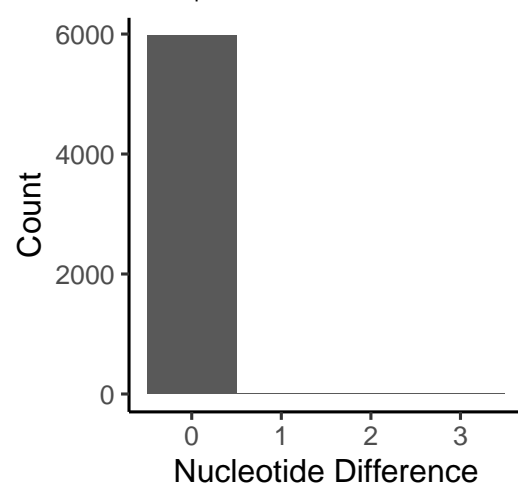
### TRBV12-1\*ap01

142 sequences assigned  
141 (99.3%) exact matches, in which:  
141 unique CDR3  
14 unique J



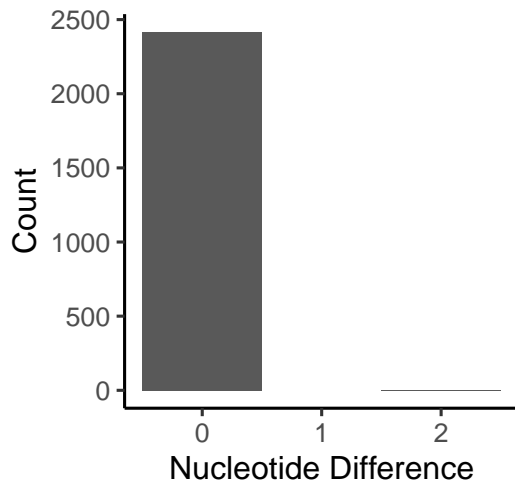
### TRBV12-34\*ap01

5986 sequences assigned  
5972 (99.8%) exact matches, in which:  
5966 unique CDR3  
14 unique J



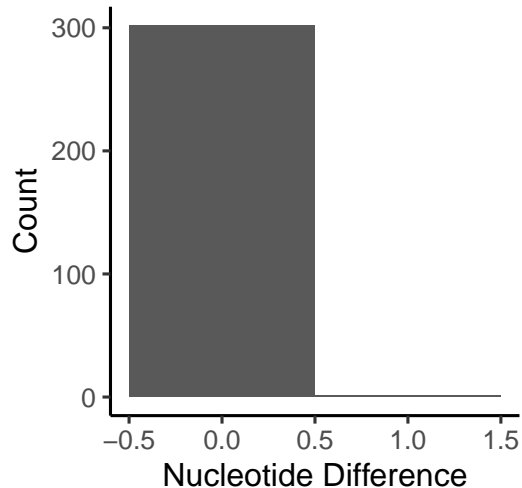
### TRBV11-2\*ap01

2417 sequences assigned  
2416 (100%) exact matches, in which:  
2413 unique CDR3  
14 unique J



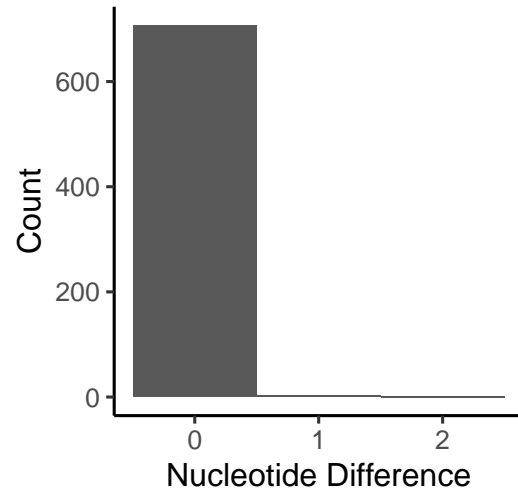
### TRBV12-2\*ap01

303 sequences assigned  
302 (99.7%) exact matches, in which:  
302 unique CDR3  
14 unique J



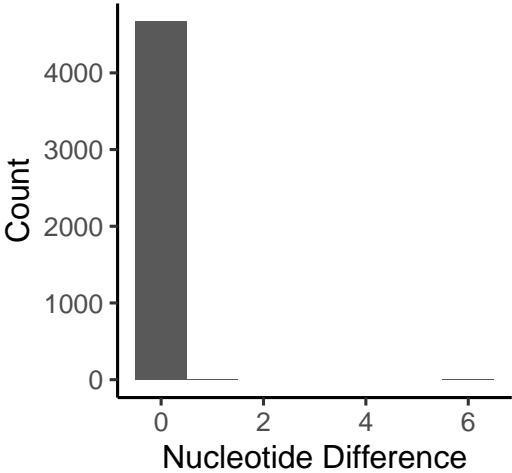
### TRBV23-1\*ap01

712 sequences assigned  
707 (99.3%) exact matches, in which:  
706 unique CDR3  
14 unique J



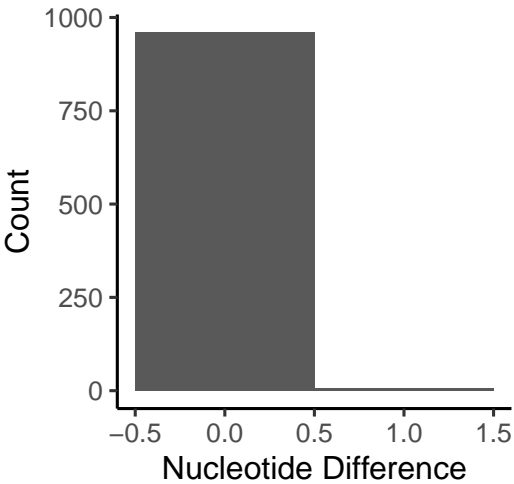
TRBV3-12\*ap01

4685 sequences assigned  
4671 (99.7%) exact matches, in which:  
4659 unique CDR3  
14 unique J



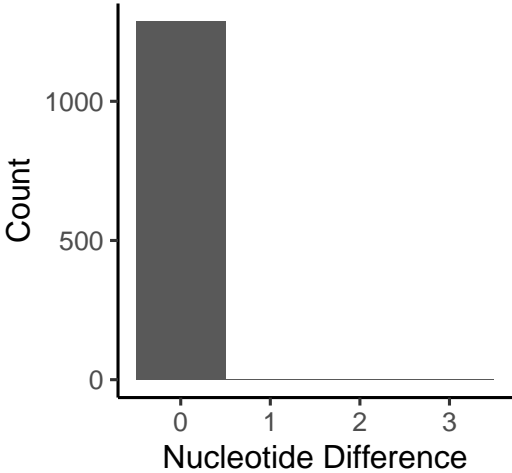
TRBV4-2\*ap01

967 sequences assigned  
960 (99.3%) exact matches, in which:  
959 unique CDR3  
14 unique J



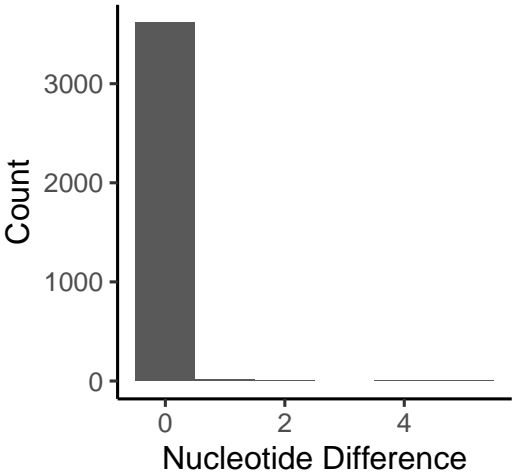
TRBV25-1\*ap01

1292 sequences assigned  
1287 (99.6%) exact matches, in which:  
1286 unique CDR3  
14 unique J



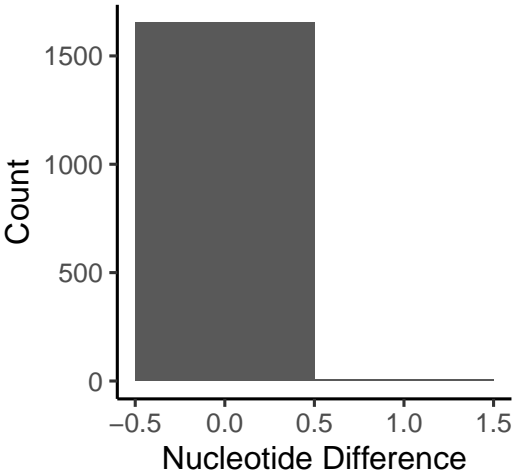
TRBV24-1\*ap01

3633 sequences assigned  
3615 (99.5%) exact matches, in which:  
3609 unique CDR3  
14 unique J



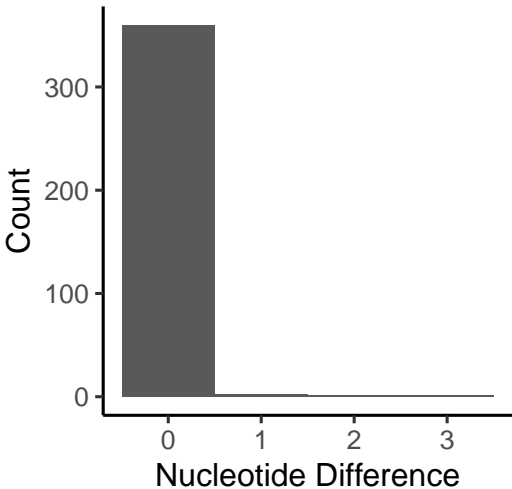
TRBV4-3\*ap01

1659 sequences assigned  
1653 (99.6%) exact matches, in which:  
1653 unique CDR3  
13 unique J



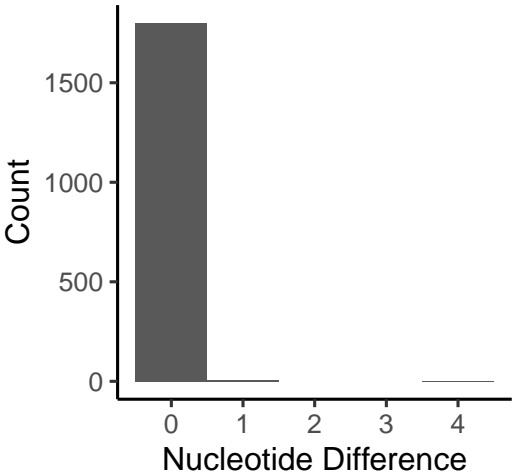
TRBV5-3\*ap01

364 sequences assigned  
360 (98.9%) exact matches, in which:  
360 unique CDR3  
14 unique J



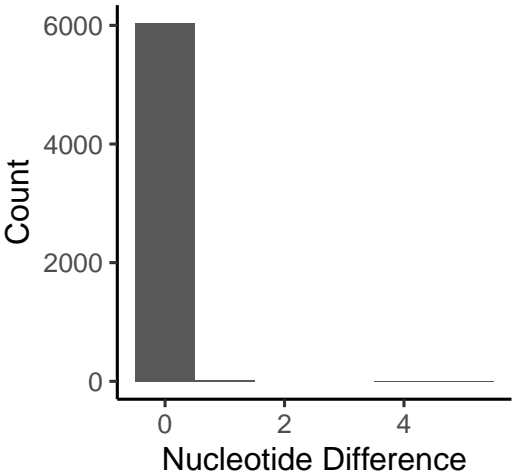
TRBV4-1\*ap01

1807 sequences assigned  
1800 (99.6%) exact matches, in which:  
1800 unique CDR3  
14 unique J



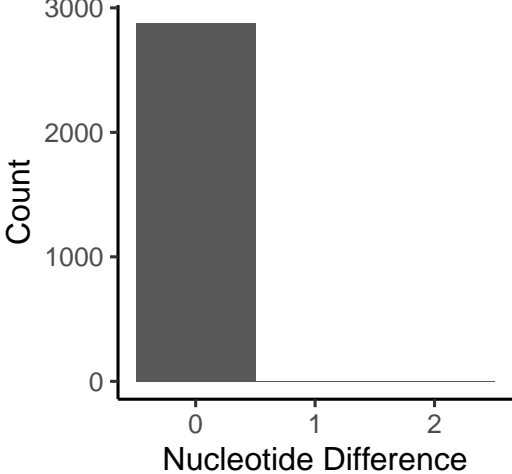
TRBV5-1\*ap01

6066 sequences assigned  
6039 (99.6%) exact matches, in which:  
6018 unique CDR3  
14 unique J



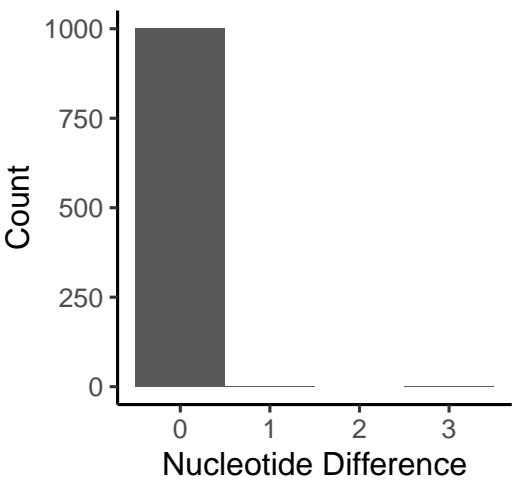
TRBV5-4\*ap01

2883 sequences assigned  
2878 (99.8%) exact matches, in which:  
2877 unique CDR3  
14 unique J



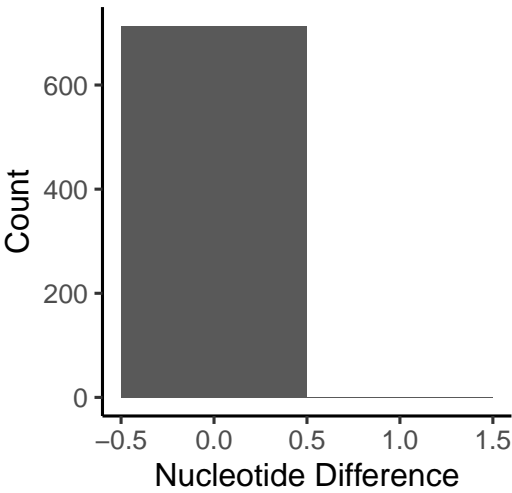
TRBV5-5\*ap01

1004 sequences assigned  
1001 (99.7%) exact matches, in which:  
1000 unique CDR3  
14 unique J



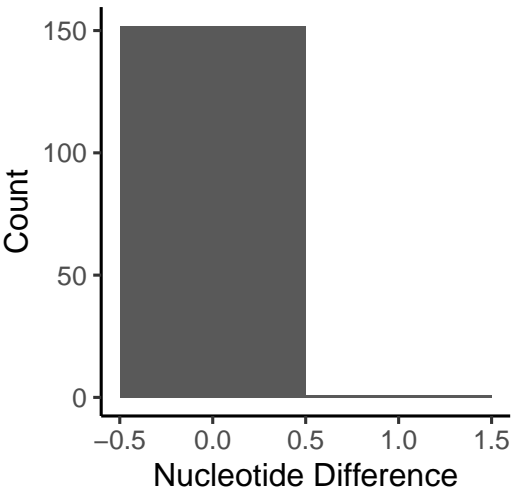
TRBV5-8\*ap01

715 sequences assigned  
714 (99.9%) exact matches, in which:  
714 unique CDR3  
14 unique J



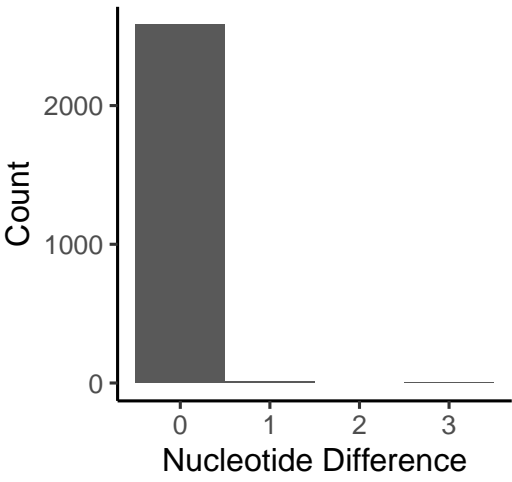
TRBV6-7\*ap01

153 sequences assigned  
152 (99.3%) exact matches, in which:  
152 unique CDR3  
13 unique J



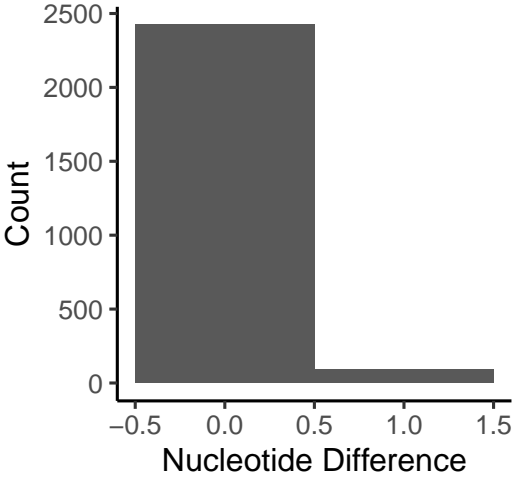
TRBV5-6\*ap01

2593 sequences assigned  
2583 (99.6%) exact matches, in which:  
2574 unique CDR3  
14 unique J



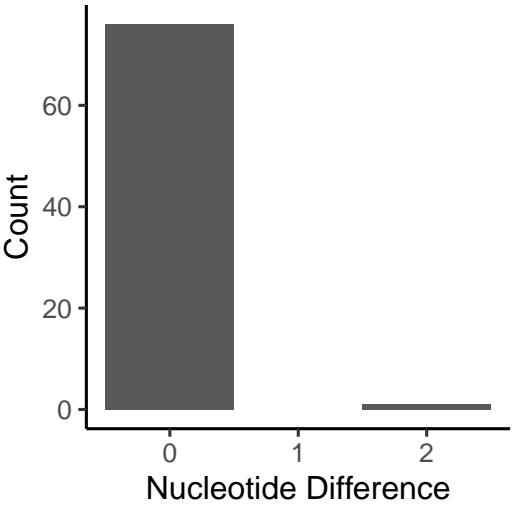
TRBV6-1\*ap01

2512 sequences assigned  
2424 (96.5%) exact matches, in which:  
2419 unique CDR3  
14 unique J



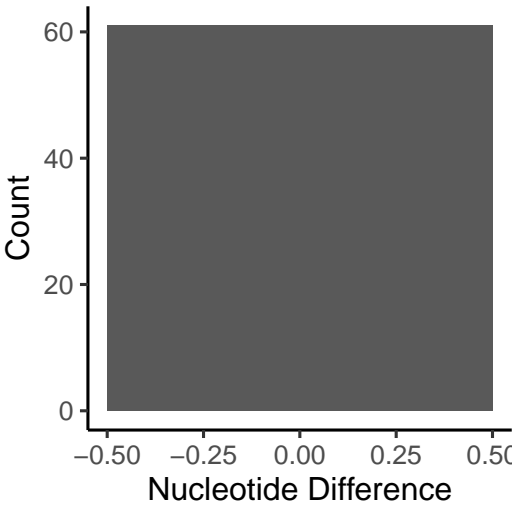
TRBV6-8\*ap01

77 sequences assigned  
76 (98.7%) exact matches, in which:  
76 unique CDR3  
14 unique J



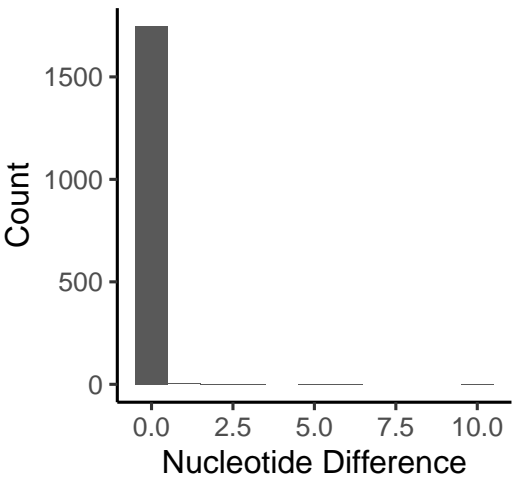
TRBV5-7\*ap01

61 sequences assigned  
61 (100%) exact matches, in which:  
61 unique CDR3  
14 unique J



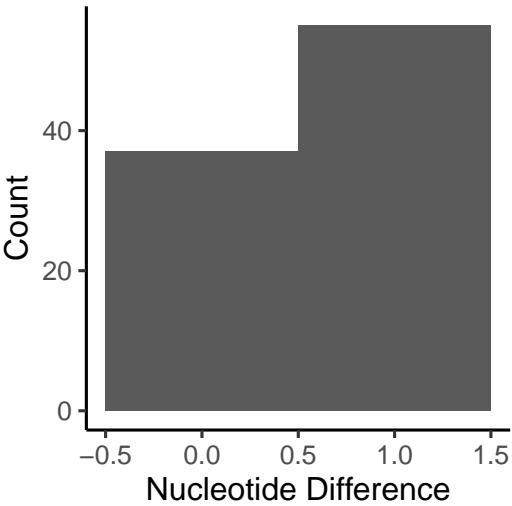
TRBV6-4\*ap01

1760 sequences assigned  
1748 (99.3%) exact matches, in which:  
1747 unique CDR3  
14 unique J



TRBV6-9\*ap01

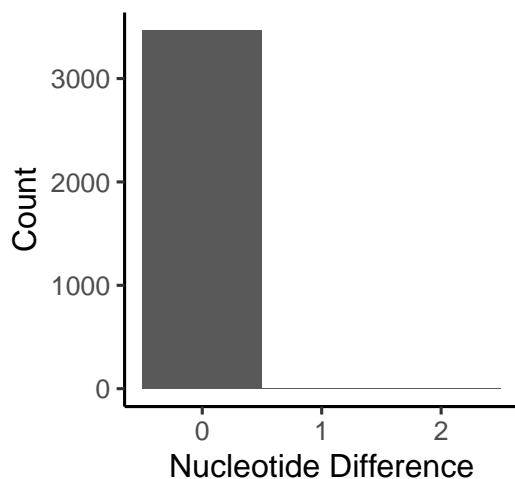
92 sequences assigned  
37 (40.2%) exact matches, in which:  
37 unique CDR3  
11 unique J





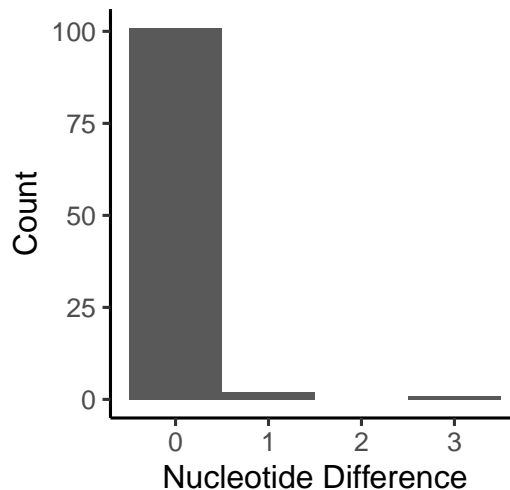
### TRBV6-23\*ap01

3475 sequences assigned  
3466 (99.7%) exact matches, in which:  
3456 unique CDR3  
14 unique J



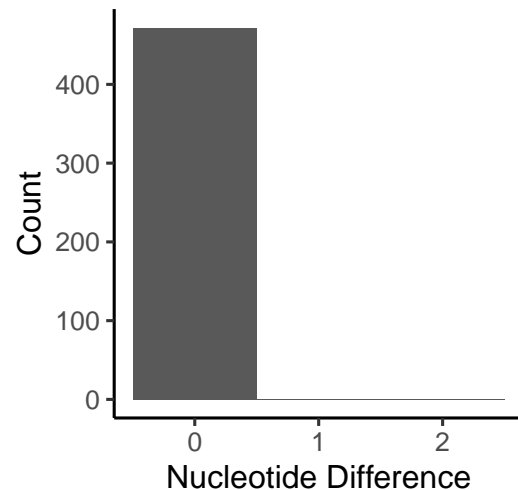
### TRBV7-1\*ap01\_G291C\_

104 sequences assigned  
101 (97.1%) exact matches, in which:  
101 unique CDR3  
13 unique J



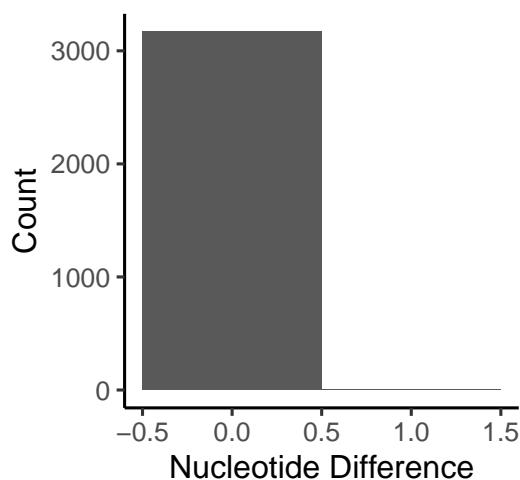
### TRBV7-3\*ap02

474 sequences assigned  
472 (99.6%) exact matches, in which:  
472 unique CDR3  
12 unique J



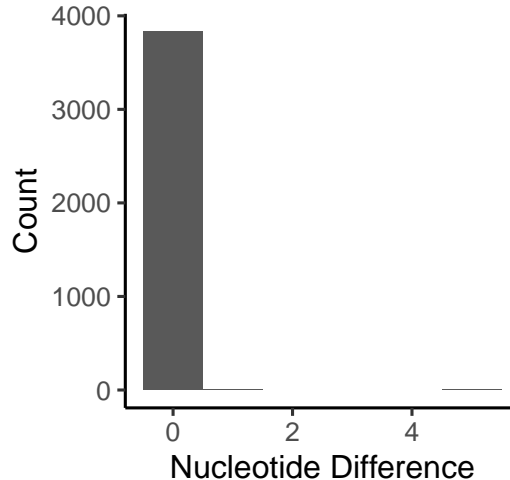
### TRBV6-56\*ap01

3177 sequences assigned  
3169 (99.7%) exact matches, in which:  
3164 unique CDR3  
14 unique J



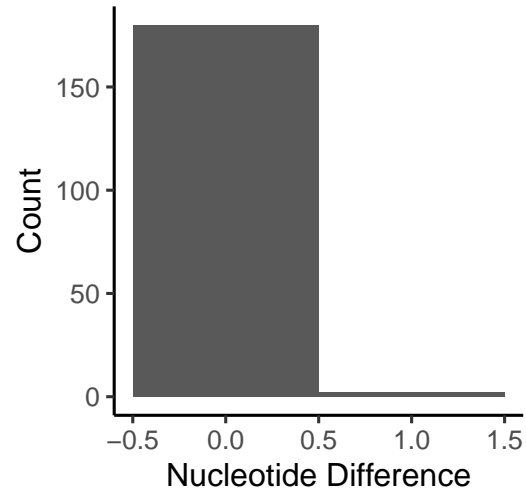
### TRBV7-2\*ap01

3835 sequences assigned  
3830 (99.9%) exact matches, in which:  
3828 unique CDR3  
14 unique J



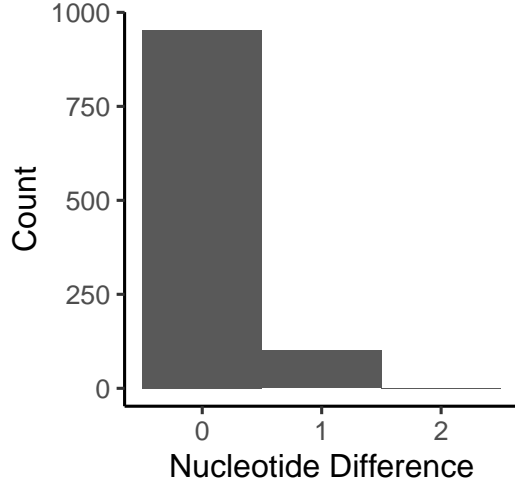
### TRBV7-4\*ap01

182 sequences assigned  
180 (98.9%) exact matches, in which:  
179 unique CDR3  
14 unique J



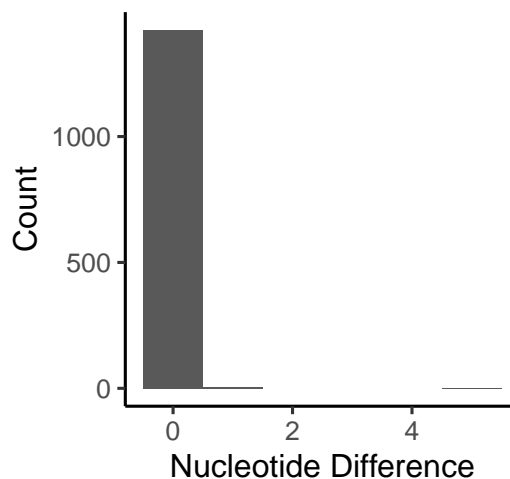
### TRBV6-56\*ap02

1055 sequences assigned  
953 (90.3%) exact matches, in which:  
949 unique CDR3  
14 unique J



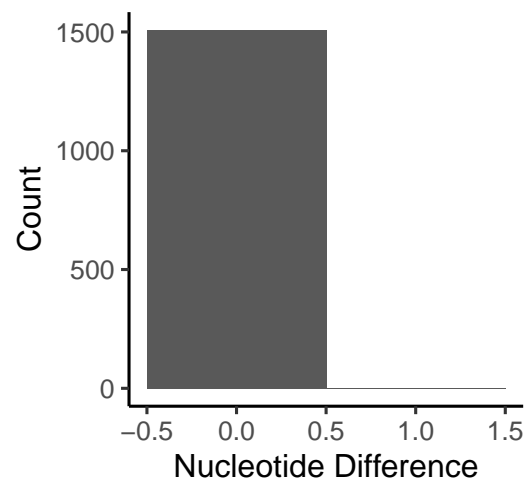
### TRBV7-3\*ap01

1428 sequences assigned  
1423 (99.6%) exact matches, in which:  
1422 unique CDR3  
14 unique J



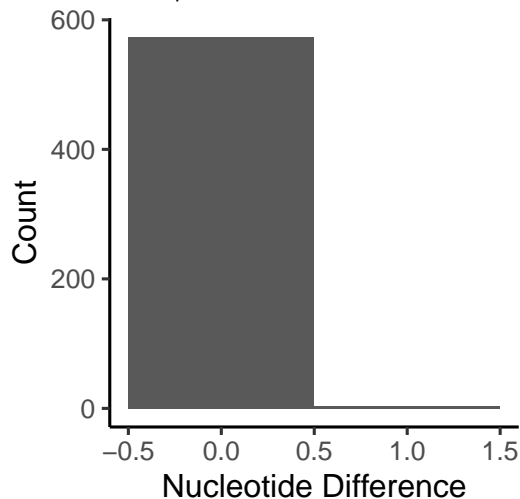
### TRBV7-6\*ap01

1509 sequences assigned  
1508 (99.9%) exact matches, in which:  
1505 unique CDR3  
14 unique J



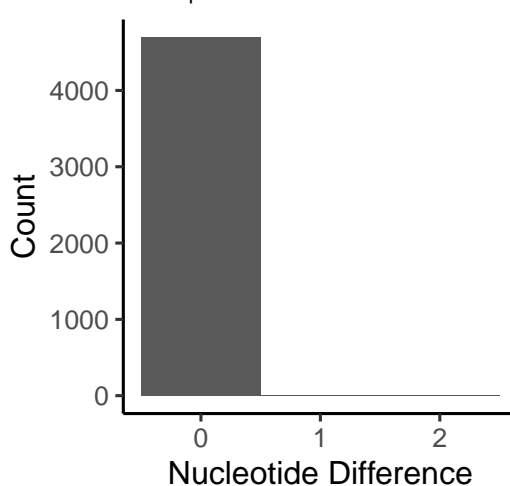
### TRBV7-7\*ap01

578 sequences assigned  
574 (99.3%) exact matches, in which:  
572 unique CDR3  
14 unique J



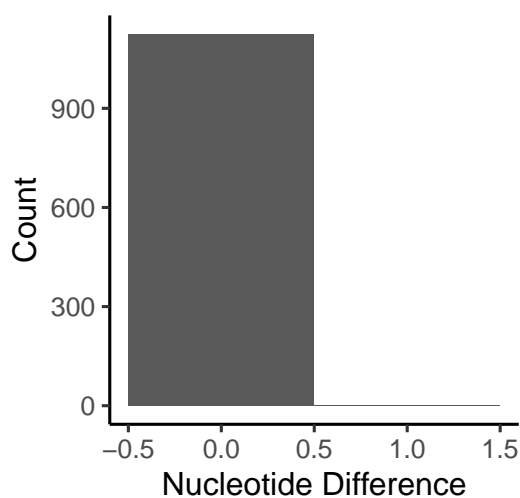
### TRBV7-9\*ap01

4703 sequences assigned  
4695 (99.8%) exact matches, in which:  
4694 unique CDR3  
14 unique J



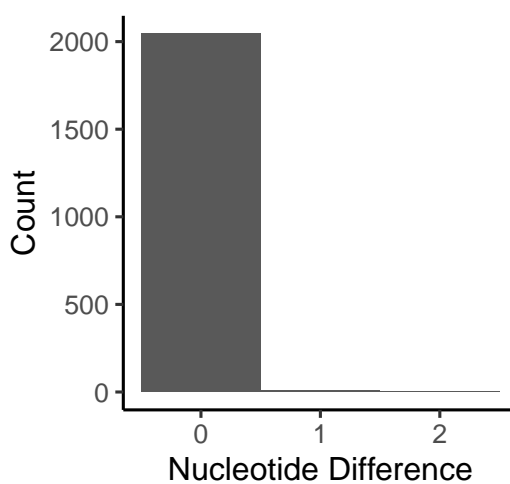
### TRBV7-8\*ap01

1127 sequences assigned  
1125 (99.8%) exact matches, in which:  
1125 unique CDR3  
14 unique J



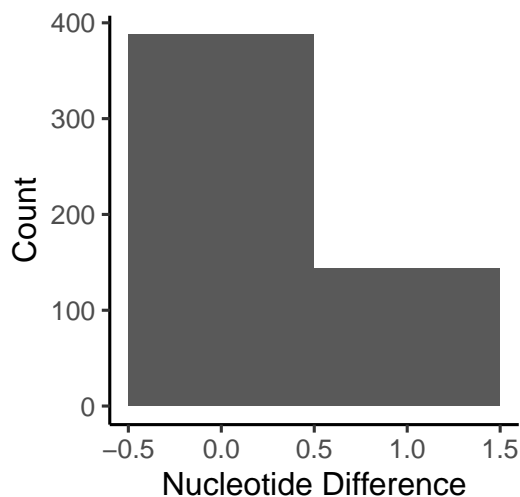
### TRBV29-1\*ap01

2054 sequences assigned  
2045 (99.6%) exact matches, in which:  
2042 unique CDR3  
14 unique J



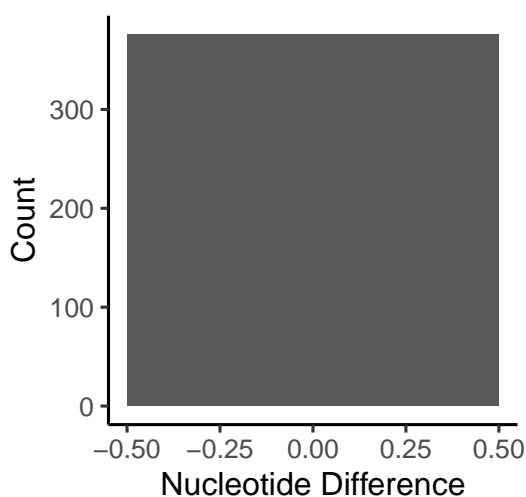
### TRBV7-8\*ap03

532 sequences assigned  
388 (72.9%) exact matches, in which:  
388 unique CDR3  
14 unique J

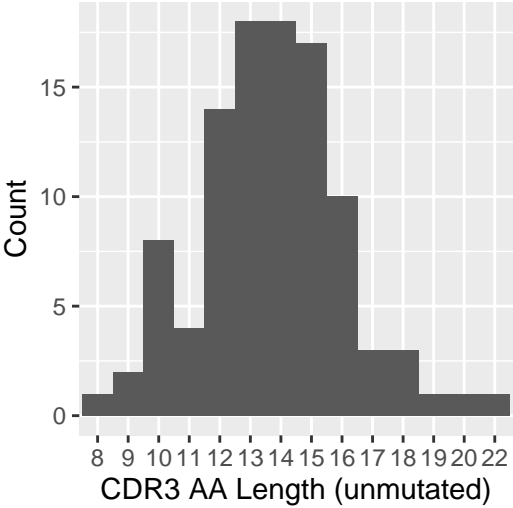


### TRBV29-1\*ap02

376 sequences assigned  
376 (100%) exact matches, in which:  
376 unique CDR3  
14 unique J



TRBV7-1\*ap01\_G291C\_T296C





Sequence Count by TRBJ2-7 allele usage

