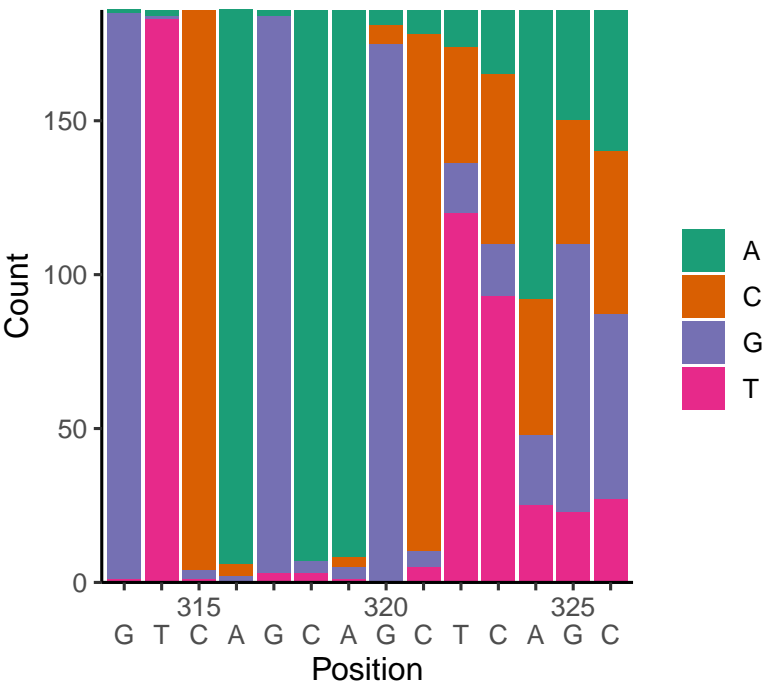
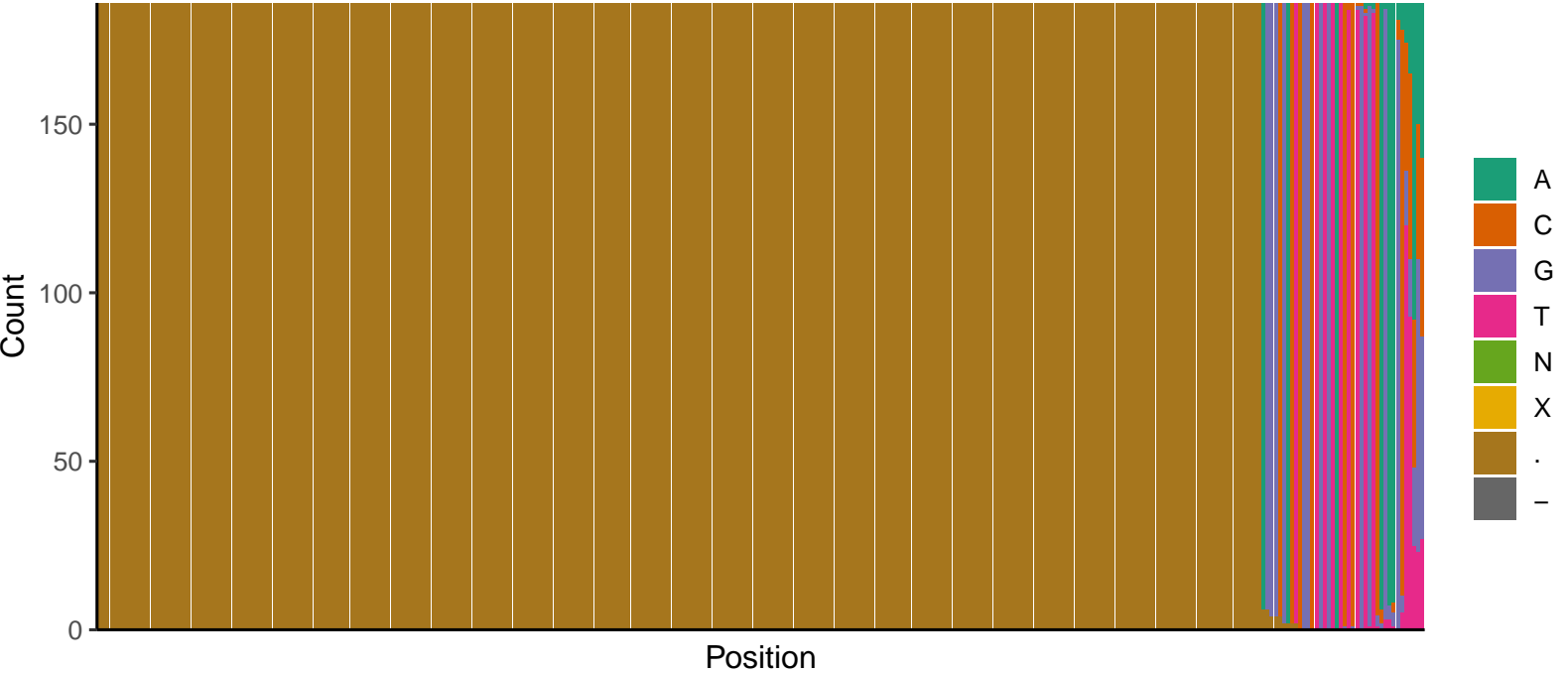


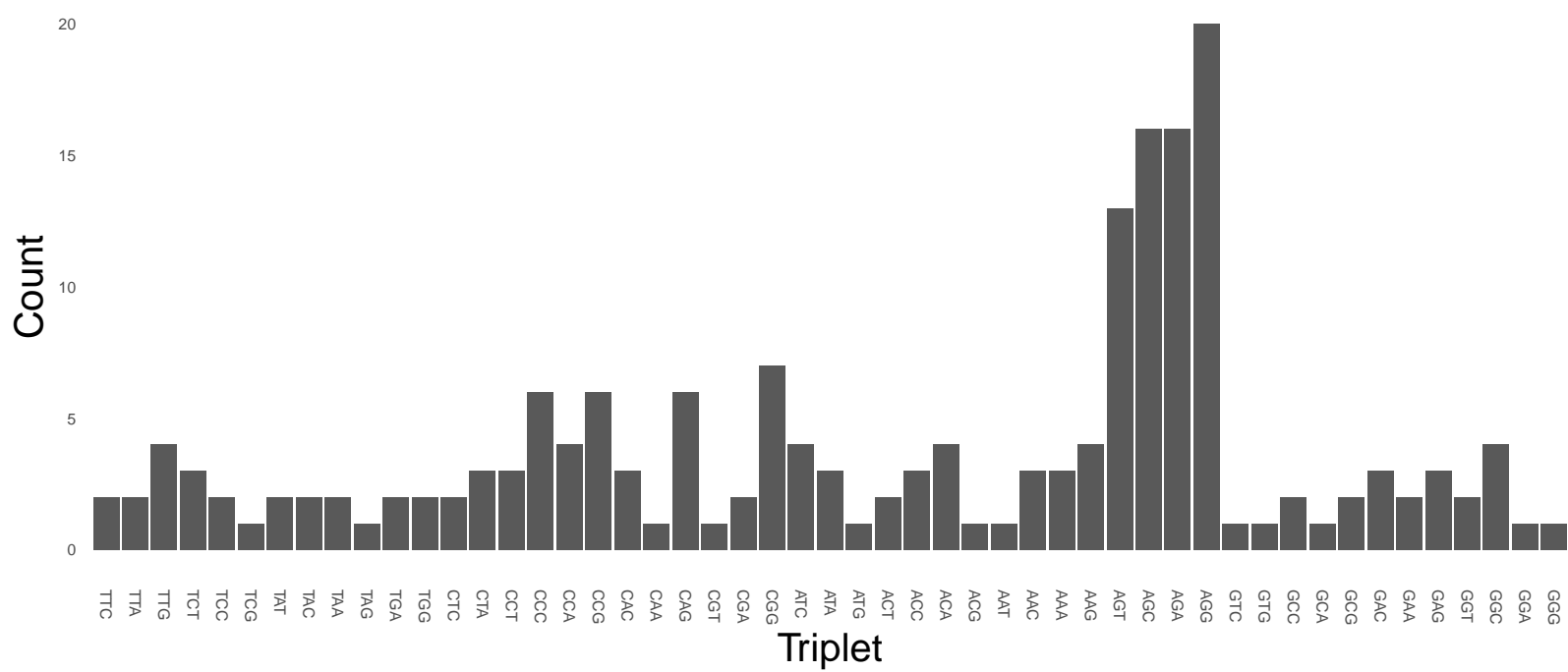
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C\_C314T

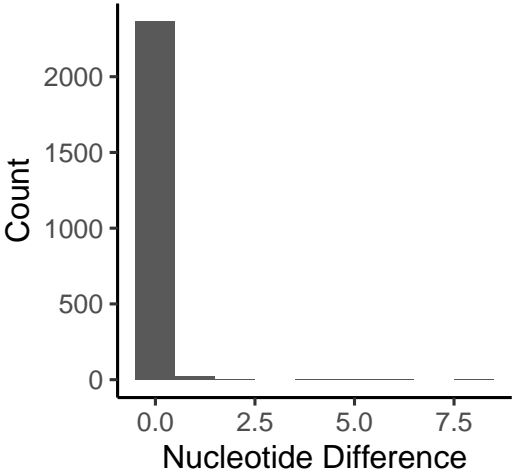


TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



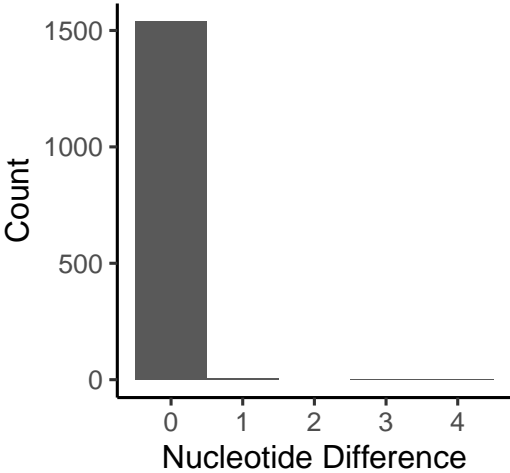
TRBV10-1\*ap01

2395 sequences assigned  
2365 (98.7%) exact matches, in which:  
2305 unique CDR3  
14 unique J



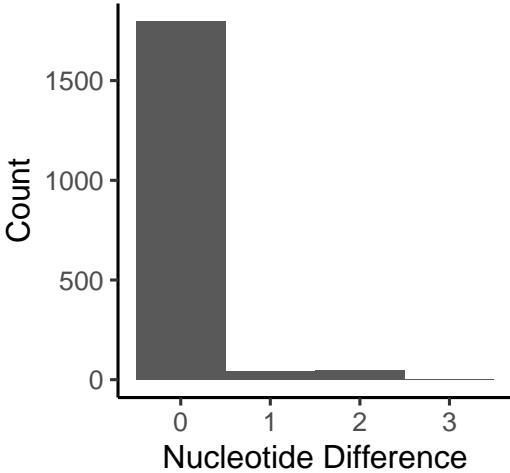
TRBV10-2\*ap01

1549 sequences assigned  
1539 (99.4%) exact matches, in which:  
1514 unique CDR3  
14 unique J



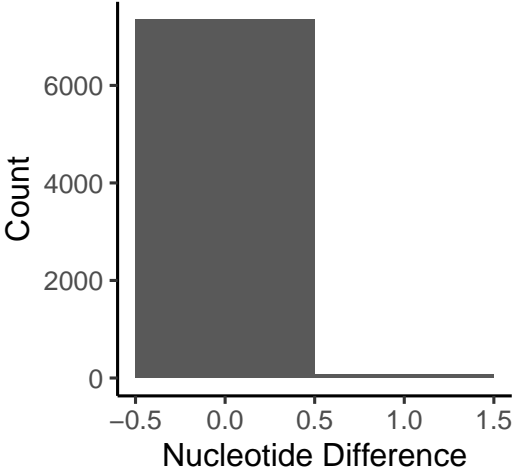
TRBV13\*ap01

1888 sequences assigned  
1797 (95.2%) exact matches, in which:  
1743 unique CDR3  
14 unique J



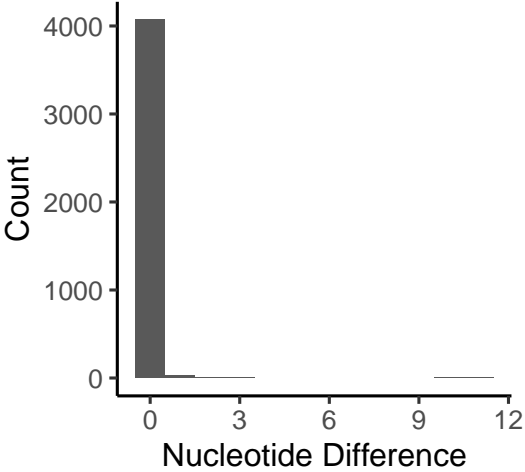
TRBV20-1\*ap01

7425 sequences assigned  
7347 (98.9%) exact matches, in which:  
7247 unique CDR3  
14 unique J



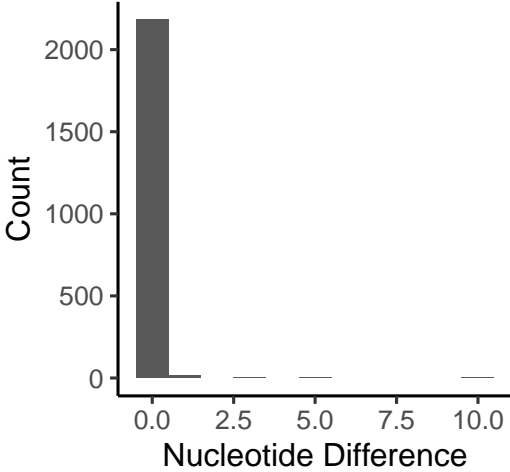
TRBV10-3\*ap01

4113 sequences assigned  
4071 (99%) exact matches, in which:  
3998 unique CDR3  
14 unique J



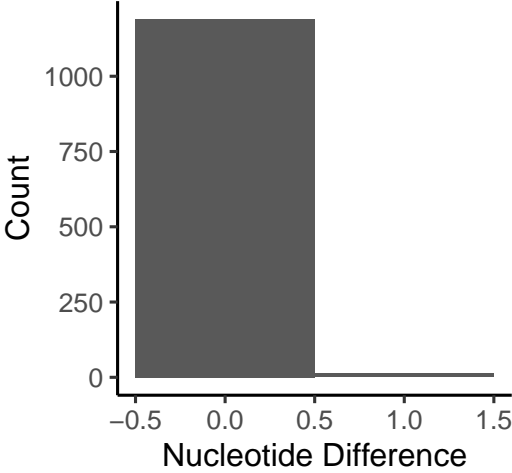
TRBV14\*ap01

2199 sequences assigned  
2182 (99.2%) exact matches, in which:  
2150 unique CDR3  
14 unique J



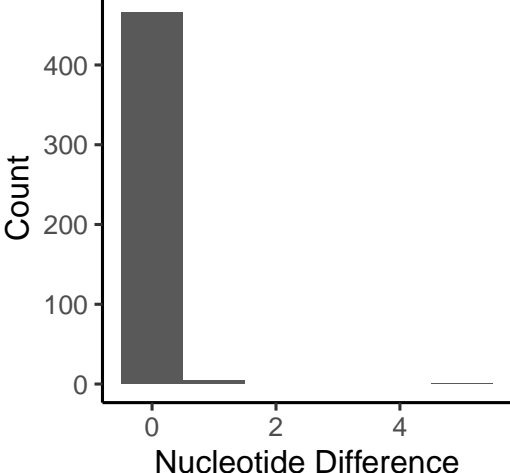
TRBV20-1\*ap02

1203 sequences assigned  
1190 (98.9%) exact matches, in which:  
1179 unique CDR3  
14 unique J



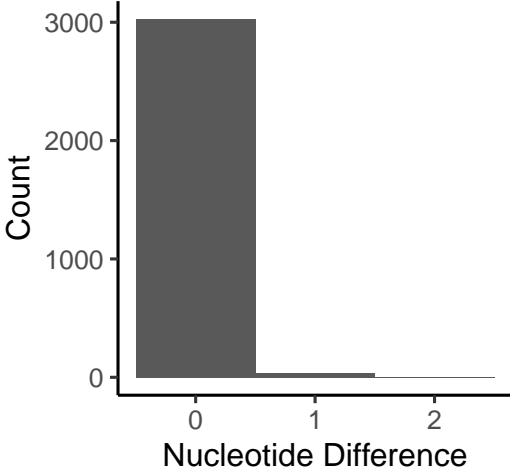
TRBV1\*ap01

472 sequences assigned  
466 (98.7%) exact matches, in which:  
458 unique CDR3  
14 unique J



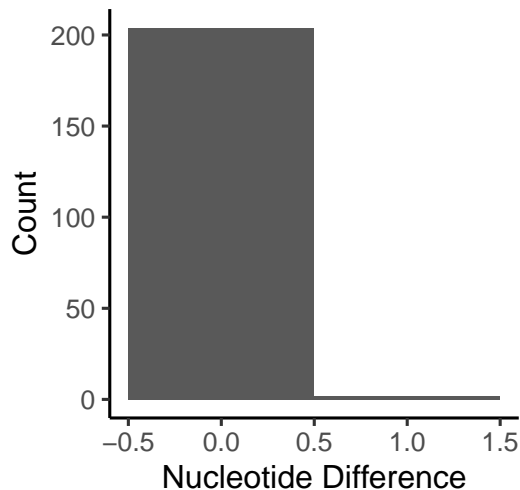
TRBV15\*ap02

3063 sequences assigned  
3027 (98.8%) exact matches, in which:  
2975 unique CDR3  
14 unique J



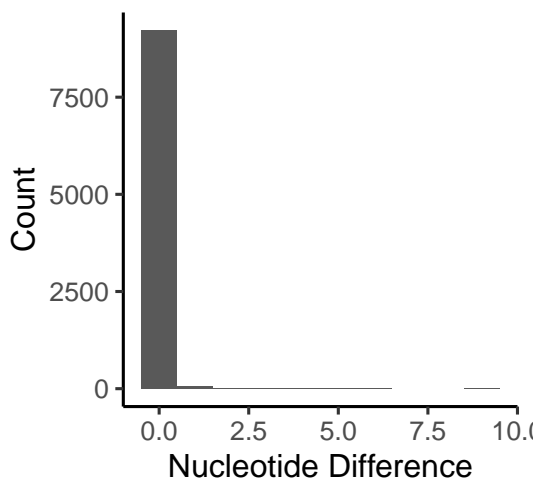
### TRBV16\*ap01

206 sequences assigned  
204 (99%) exact matches, in which:  
200 unique CDR3  
14 unique J



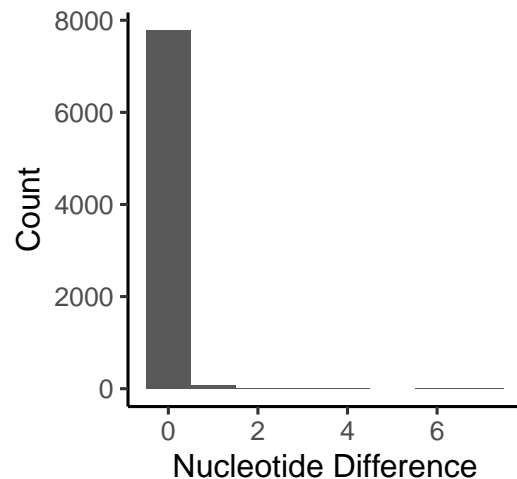
### TRBV19\*ap01

9305 sequences assigned  
9218 (99.1%) exact matches, in which:  
9146 unique CDR3  
14 unique J



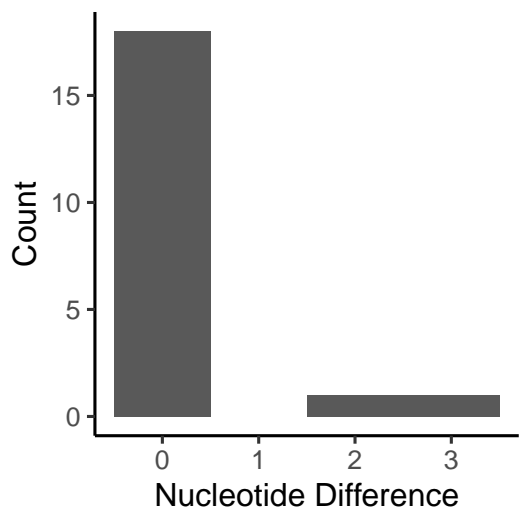
### TRBV27\*ap01

7881 sequences assigned  
7780 (98.7%) exact matches, in which:  
7622 unique CDR3  
14 unique J



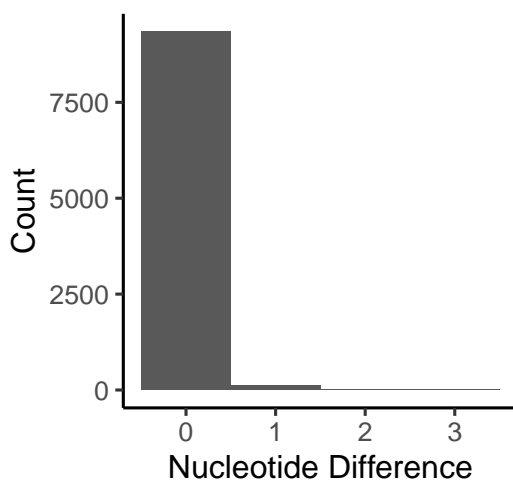
### TRBV17\*ap01

20 sequences assigned  
18 (90%) exact matches, in which:  
18 unique CDR3  
6 unique J



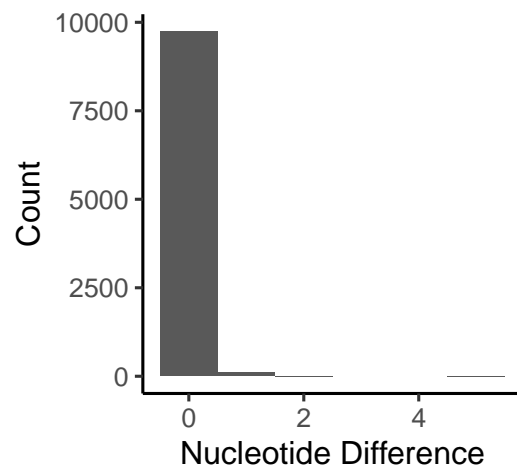
### TRBV2\*ap01

9471 sequences assigned  
9341 (98.6%) exact matches, in which:  
9158 unique CDR3  
14 unique J



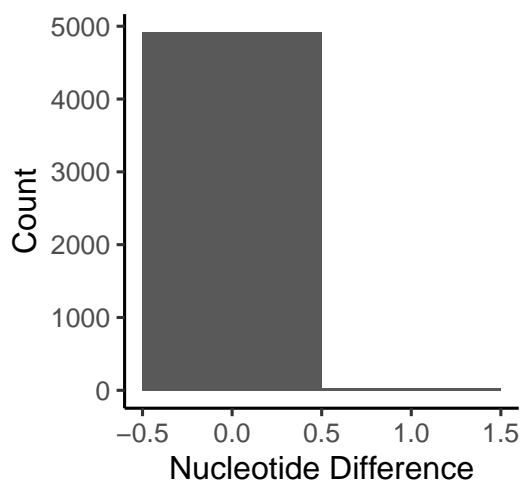
### TRBV28\*ap01

9856 sequences assigned  
9741 (98.8%) exact matches, in which:  
9598 unique CDR3  
14 unique J



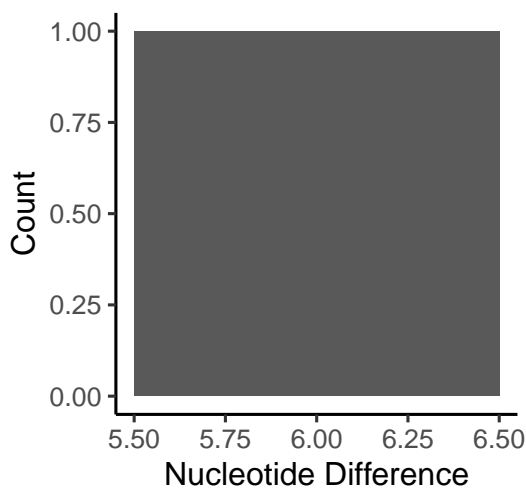
### TRBV18\*ap01

4950 sequences assigned  
4920 (99.4%) exact matches, in which:  
4884 unique CDR3  
14 unique J



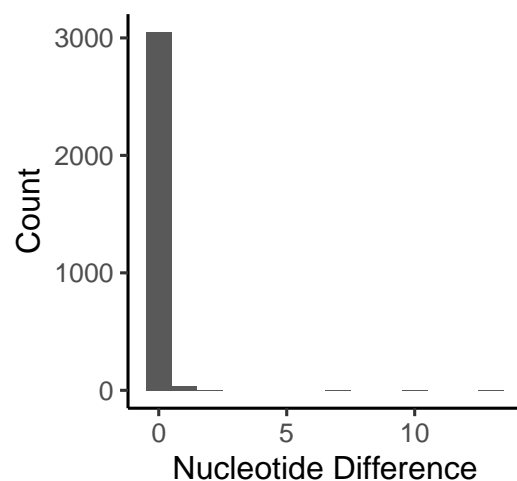
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



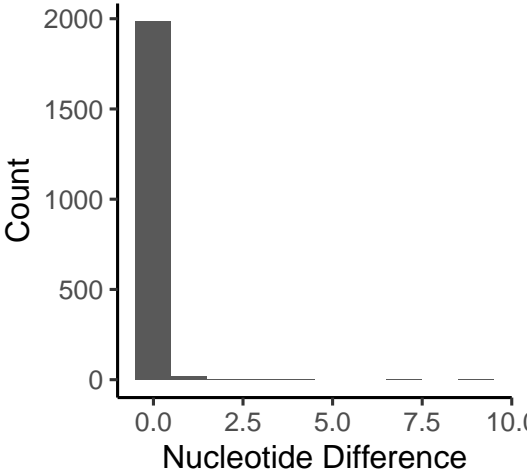
### TRBV30\*ap01

3094 sequences assigned  
3050 (98.6%) exact matches, in which:  
3004 unique CDR3  
14 unique J



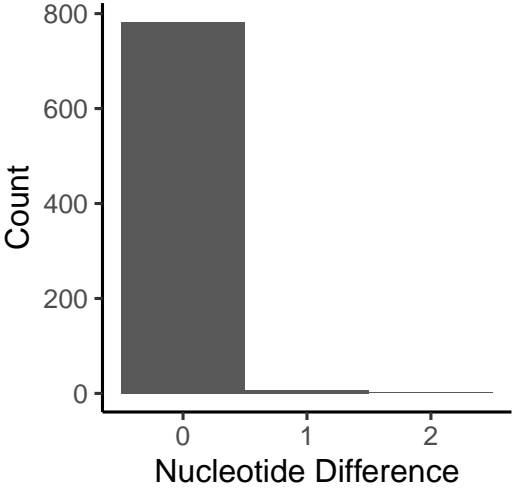
TRBV30\*ap02

2012 sequences assigned  
1985 (98.7%) exact matches, in which:  
1964 unique CDR3  
13 unique J



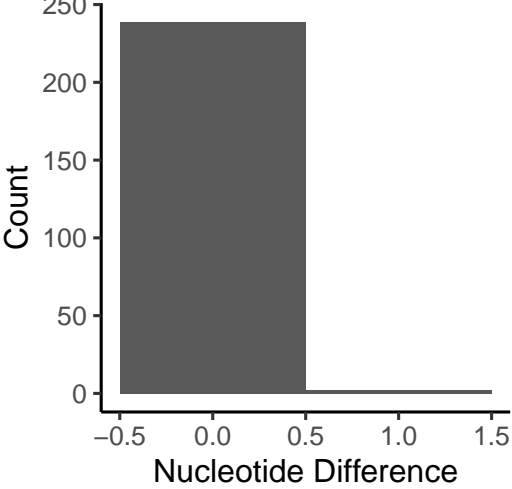
TRBV11-1\*ap01

792 sequences assigned  
783 (98.9%) exact matches, in which:  
770 unique CDR3  
14 unique J



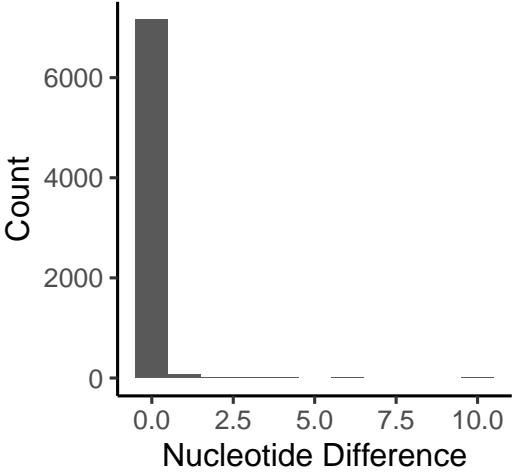
TRBV12-1\*ap01

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



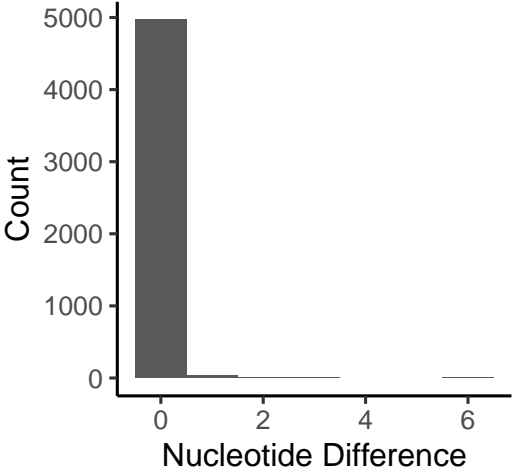
TRBV9\*ap01

7241 sequences assigned  
7157 (98.8%) exact matches, in which:  
7039 unique CDR3  
14 unique J



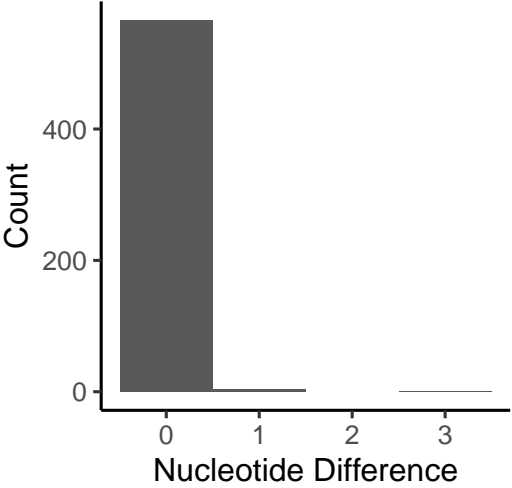
TRBV11-2\*ap01

5012 sequences assigned  
4969 (99.1%) exact matches, in which:  
4890 unique CDR3  
14 unique J



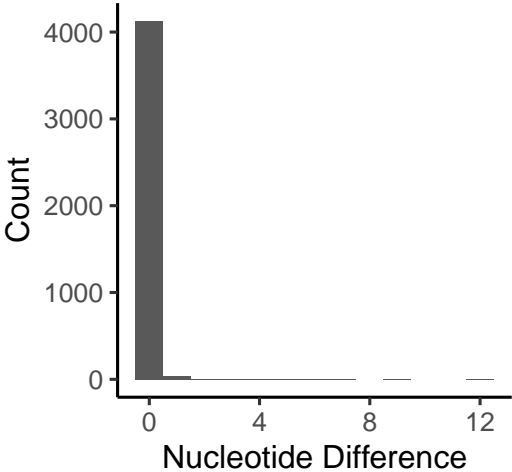
TRBV12-2\*ap01

571 sequences assigned  
566 (99.1%) exact matches, in which:  
555 unique CDR3  
15 unique J



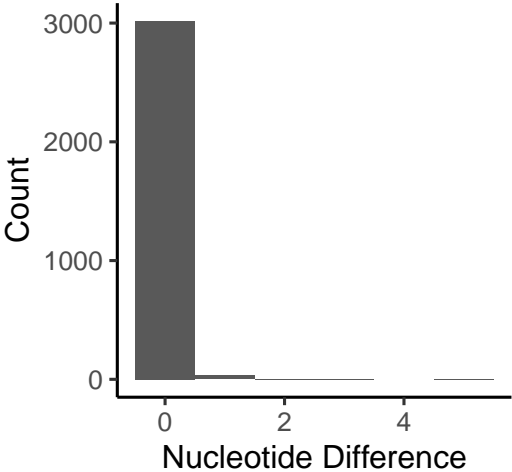
TRBV21-1\*ap01

4184 sequences assigned  
4127 (98.6%) exact matches, in which:  
4053 unique CDR3  
14 unique J



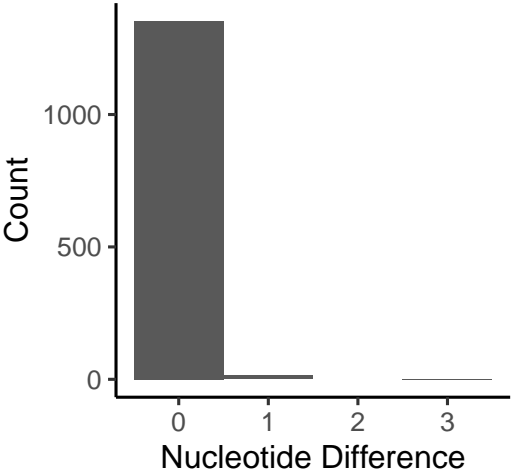
TRBV11-3\*ap01

3053 sequences assigned  
3017 (98.8%) exact matches, in which:  
2972 unique CDR3  
14 unique J



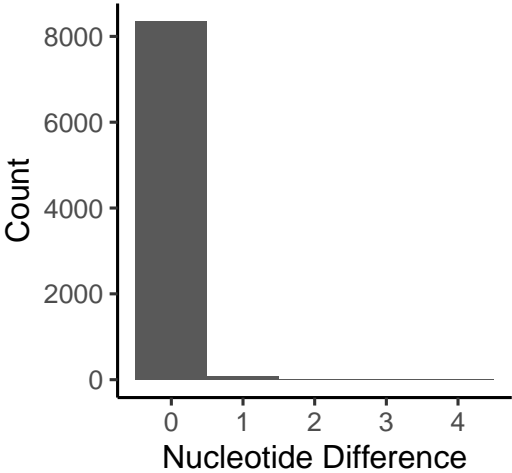
TRBV12-5\*ap01

1368 sequences assigned  
1353 (98.9%) exact matches, in which:  
1333 unique CDR3  
14 unique J



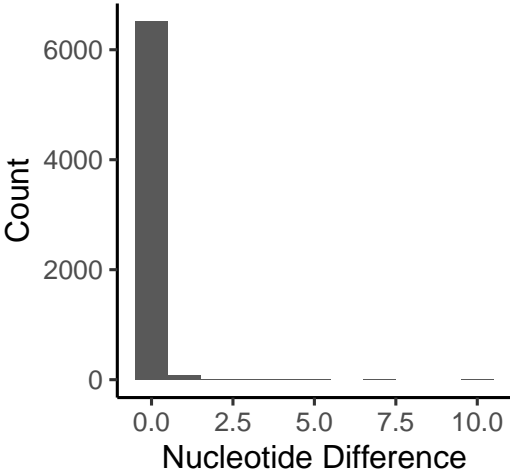
TRBV12-34\*ap01

8455 sequences assigned  
8349 (98.7%) exact matches, in which:  
8234 unique CDR3  
14 unique J



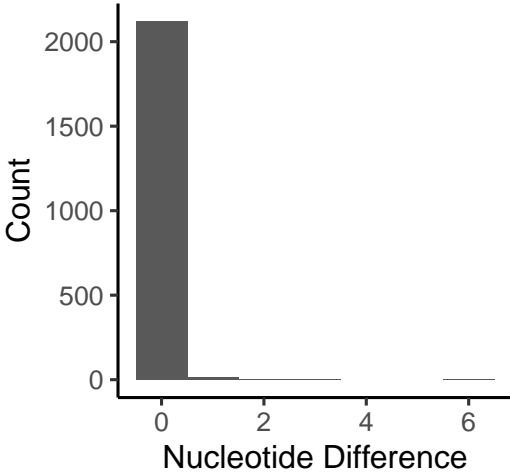
TRBV24-1\*ap01

6602 sequences assigned  
6515 (98.7%) exact matches, in which:  
6403 unique CDR3  
14 unique J



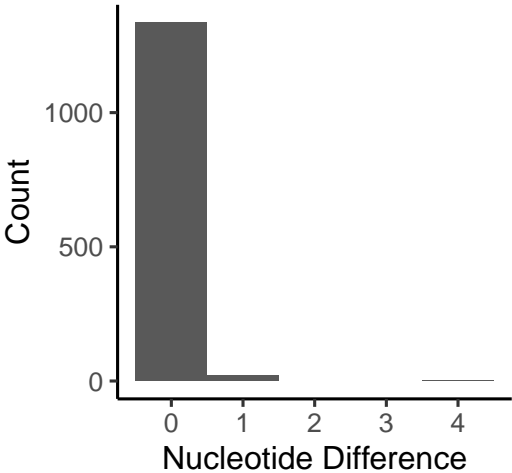
TRBV25-1\*ap01

2144 sequences assigned  
2120 (98.9%) exact matches, in which:  
2093 unique CDR3  
14 unique J



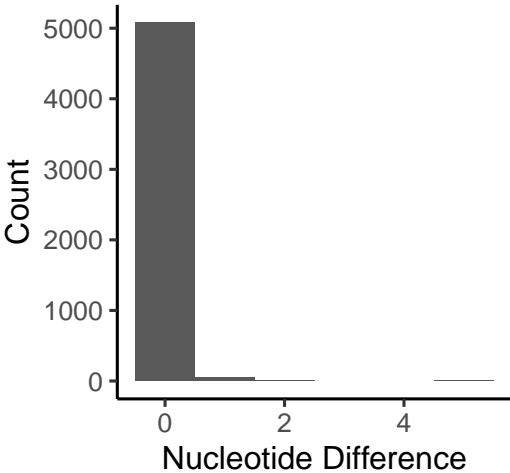
TRBV23-1\*ap01

1355 sequences assigned  
1335 (98.5%) exact matches, in which:  
1319 unique CDR3  
14 unique J



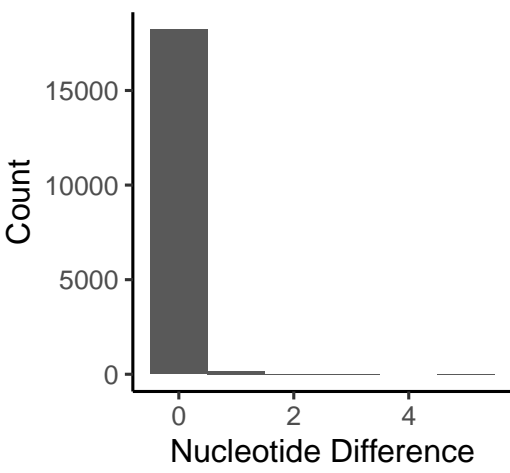
TRBV4-1\*ap01

5135 sequences assigned  
5078 (98.9%) exact matches, in which:  
5010 unique CDR3  
14 unique J



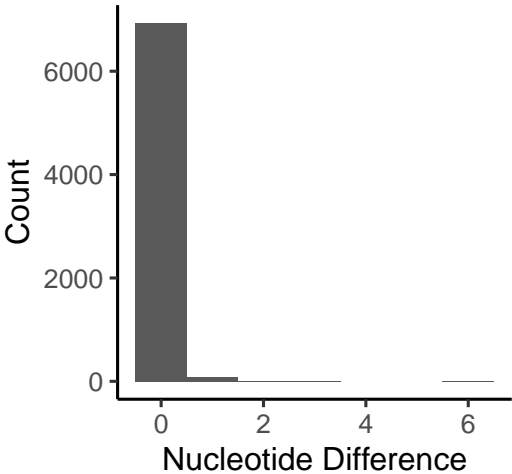
TRBV5-1\*ap01

18419 sequences assigned  
18225 (98.9%) exact matches, in which:  
17904 unique CDR3  
14 unique J



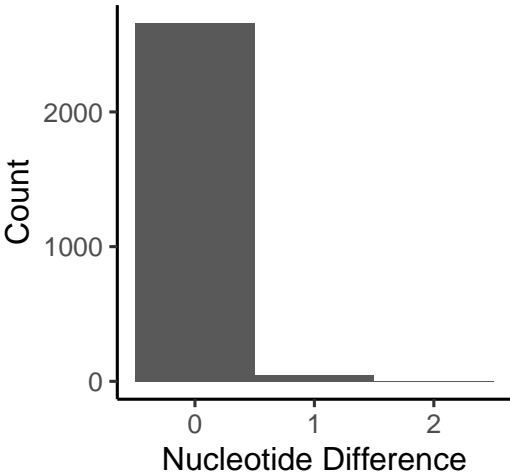
TRBV3-12\*ap01

7027 sequences assigned  
6932 (98.6%) exact matches, in which:  
6828 unique CDR3  
14 unique J



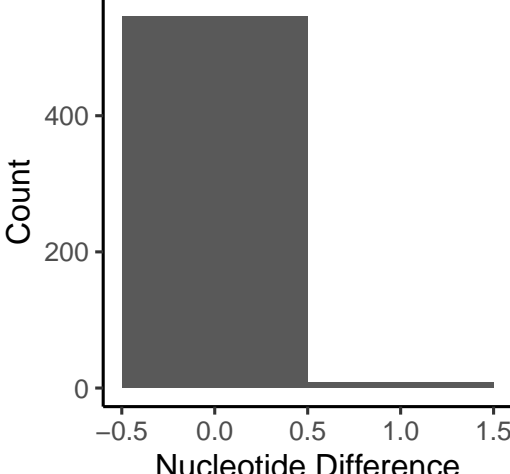
TRBV4-2\*ap01

2709 sequences assigned  
2660 (98.2%) exact matches, in which:  
2618 unique CDR3  
14 unique J



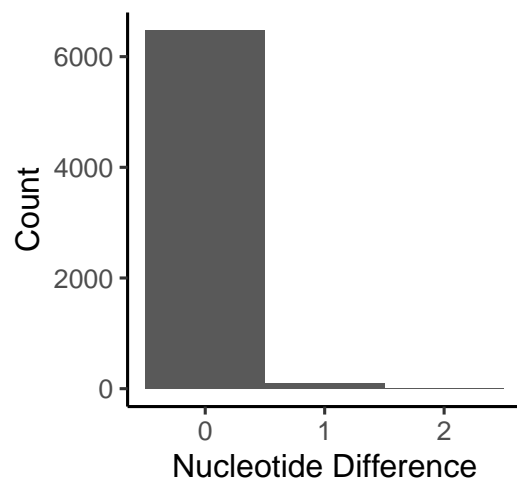
TRBV5-3\*ap01

554 sequences assigned  
546 (98.6%) exact matches, in which:  
543 unique CDR3  
14 unique J



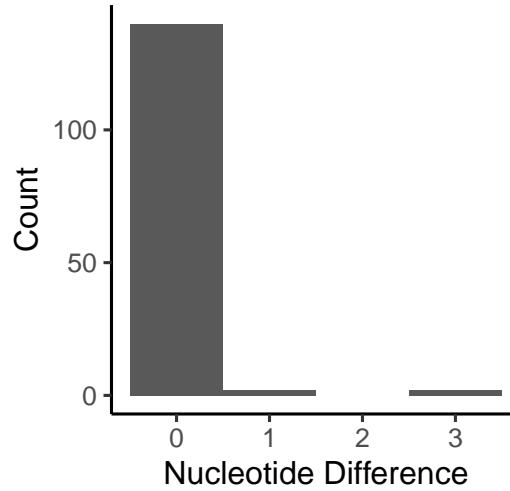
### TRBV5-4\*ap01

6569 sequences assigned  
6474 (98.6%) exact matches, in which:  
6370 unique CDR3  
14 unique J



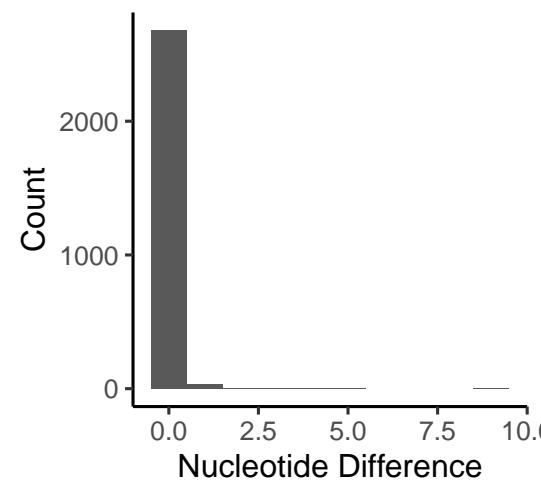
### TRBV5-7\*ap01

144 sequences assigned  
140 (97.2%) exact matches, in which:  
136 unique CDR3  
14 unique J



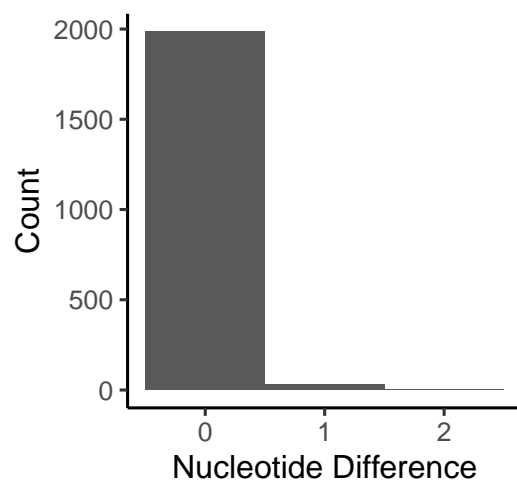
### TRBV6-4\*ap01

2721 sequences assigned  
2679 (98.5%) exact matches, in which:  
2621 unique CDR3  
14 unique J



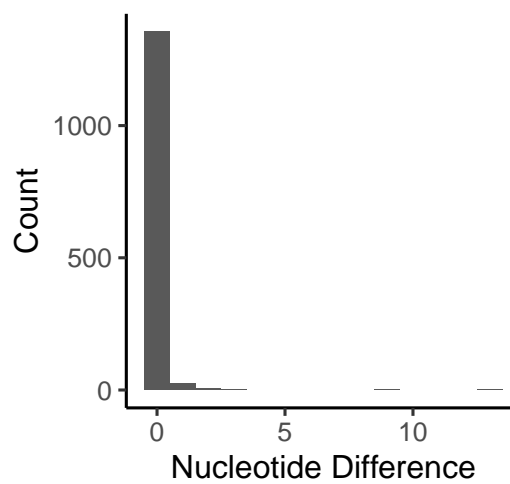
### TRBV5-5\*ap01

2014 sequences assigned  
1985 (98.6%) exact matches, in which:  
1969 unique CDR3  
14 unique J



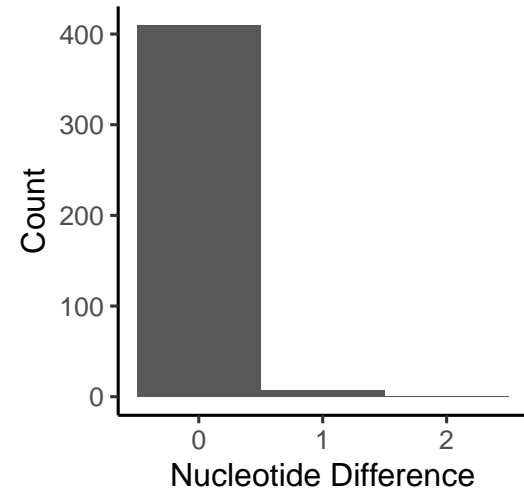
### TRBV5-8\*ap01

1390 sequences assigned  
1355 (97.5%) exact matches, in which:  
1338 unique CDR3  
14 unique J



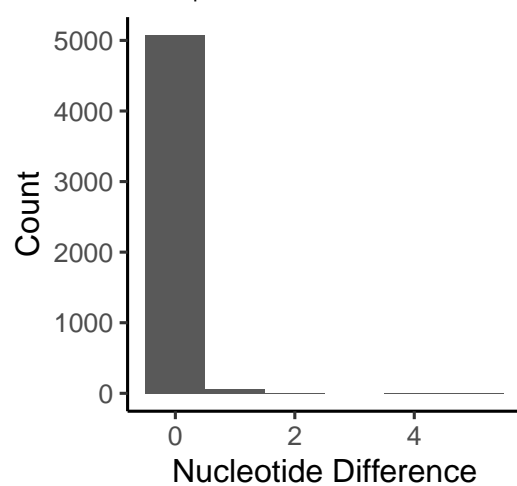
### TRBV6-7\*ap01

418 sequences assigned  
410 (98.1%) exact matches, in which:  
403 unique CDR3  
14 unique J



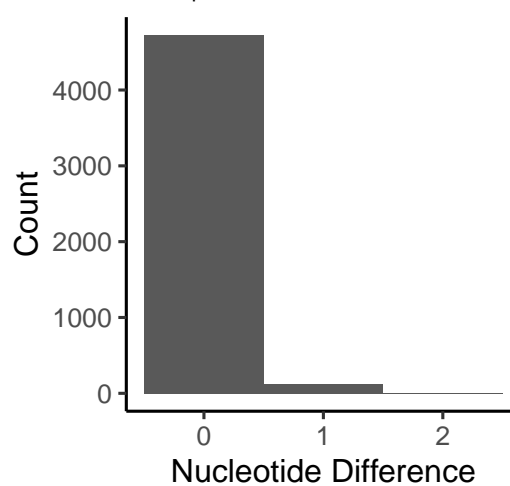
### TRBV5-6\*ap01

5143 sequences assigned  
5076 (98.7%) exact matches, in which:  
4941 unique CDR3  
14 unique J



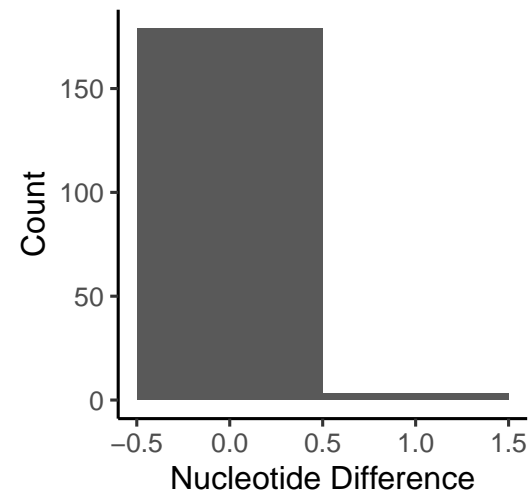
### TRBV6-1\*ap01

4849 sequences assigned  
4725 (97.4%) exact matches, in which:  
4620 unique CDR3  
14 unique J



### TRBV6-8\*ap01

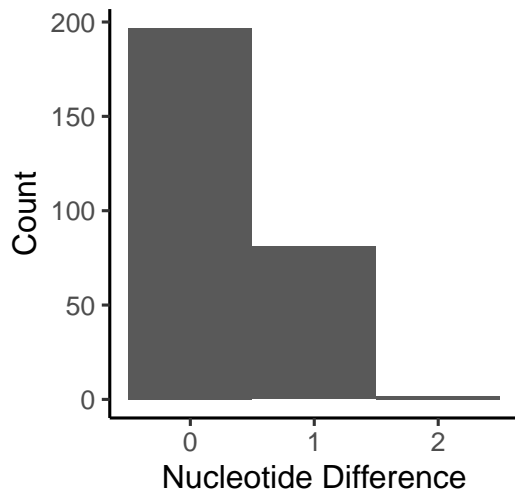
182 sequences assigned  
179 (98.4%) exact matches, in which:  
175 unique CDR3  
14 unique J





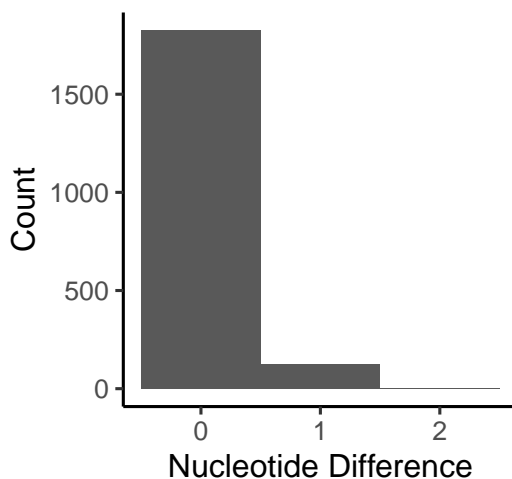
### TRBV6-9\*ap01

280 sequences assigned  
197 (70.4%) exact matches, in which:  
188 unique CDR3  
14 unique J



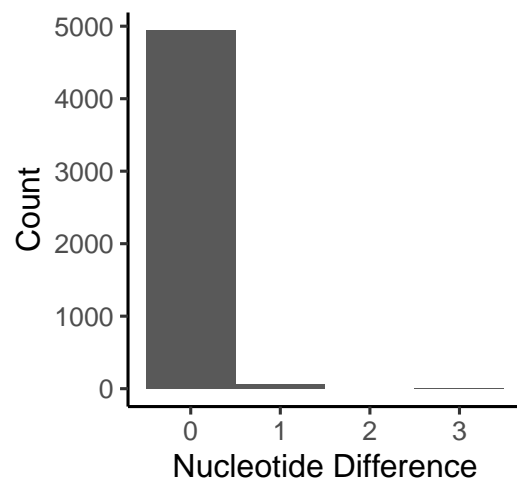
### TRBV6-56\*ap02

1954 sequences assigned  
1825 (93.4%) exact matches, in which:  
1796 unique CDR3  
14 unique J



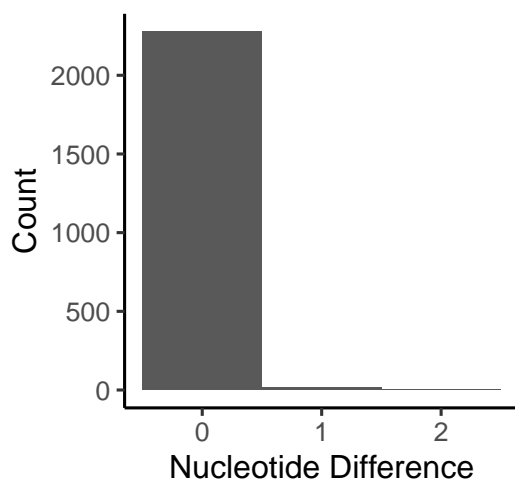
### TRBV7-2\*ap01

5001 sequences assigned  
4942 (98.8%) exact matches, in which:  
4874 unique CDR3  
14 unique J



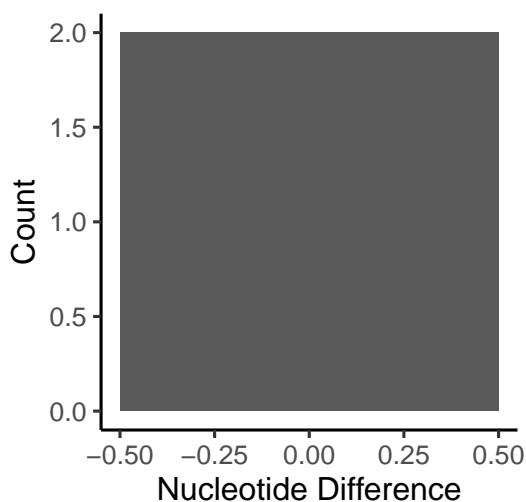
### TRBV6-23\*ap01

2297 sequences assigned  
2277 (99.1%) exact matches, in which:  
2232 unique CDR3  
14 unique J



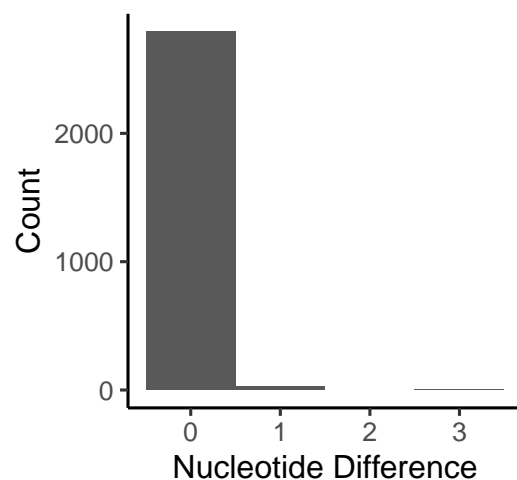
### TRBV7-1\*ap01

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



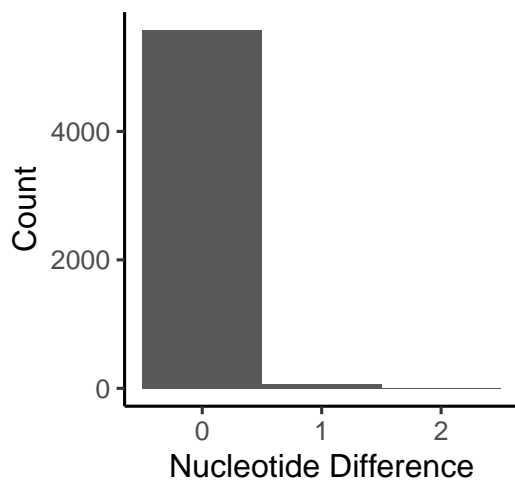
### TRBV7-3\*ap01

2817 sequences assigned  
2792 (99.1%) exact matches, in which:  
2738 unique CDR3  
14 unique J



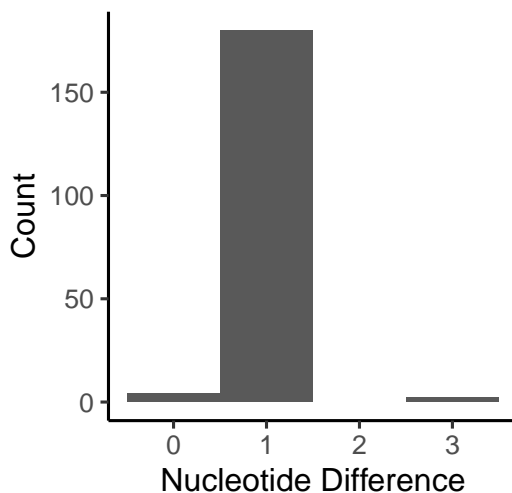
### TRBV6-56\*ap01

5655 sequences assigned  
5579 (98.7%) exact matches, in which:  
5472 unique CDR3  
14 unique J



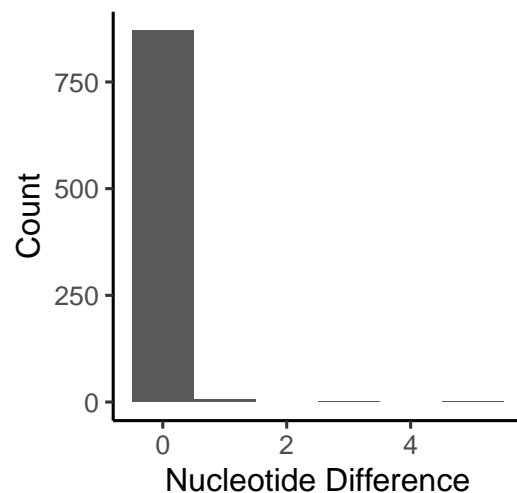
### TRBV7-1\*ap01\_T296C\_()

186 sequences assigned  
4 (2.2%) exact matches, in which:  
4 unique CDR3  
4 unique J



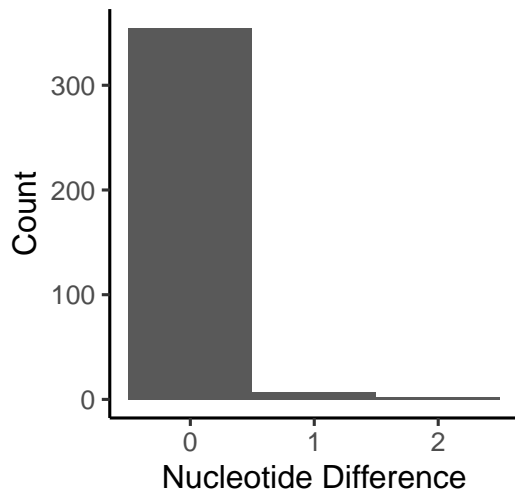
### TRBV7-3\*ap03

880 sequences assigned  
871 (99%) exact matches, in which:  
861 unique CDR3  
14 unique J



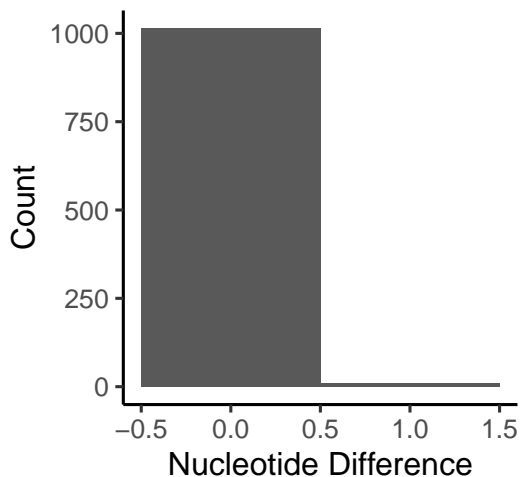
### TRBV7-4\*ap01

364 sequences assigned  
355 (97.5%) exact matches, in which:  
347 unique CDR3  
14 unique J



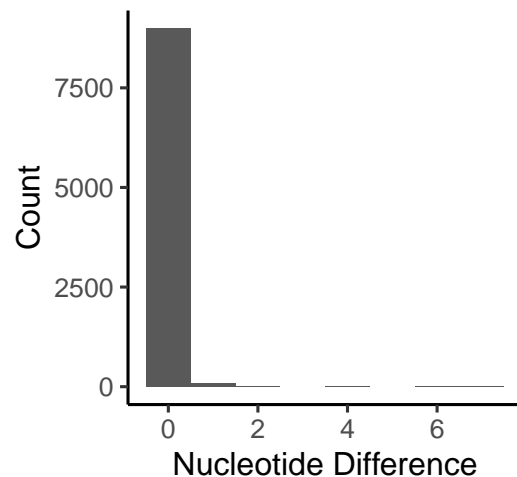
### TRBV7-8\*ap01

1024 sequences assigned  
1014 (99%) exact matches, in which:  
990 unique CDR3  
13 unique J



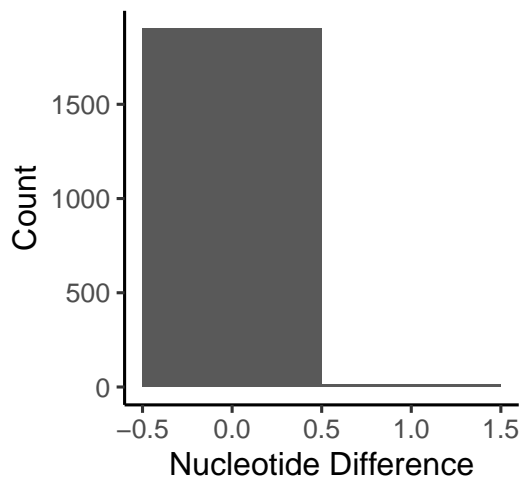
### TRBV7-9\*ap01

9078 sequences assigned  
8992 (99.1%) exact matches, in which:  
8892 unique CDR3  
14 unique J



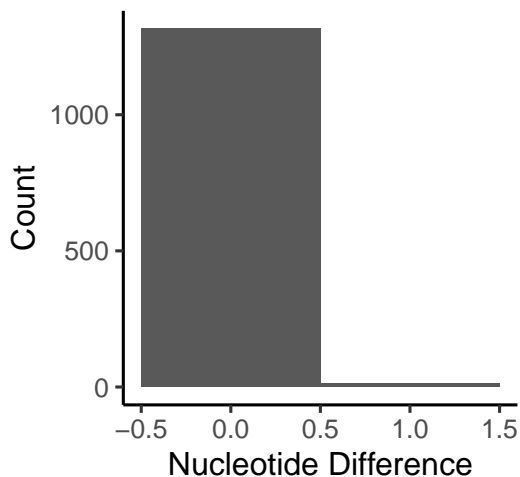
### TRBV7-6\*ap01

1912 sequences assigned  
1901 (99.4%) exact matches, in which:  
1872 unique CDR3  
14 unique J



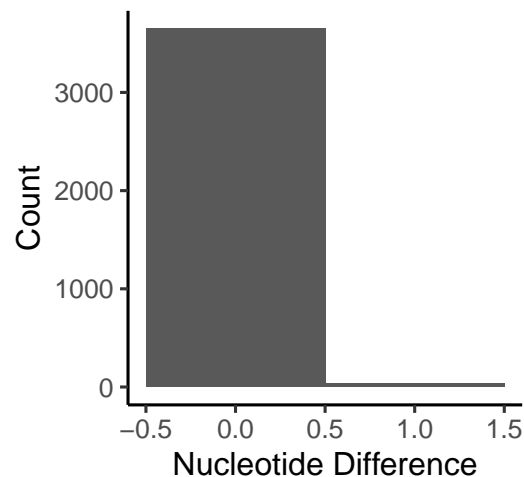
### TRBV7-8\*ap02

1330 sequences assigned  
1316 (98.9%) exact matches, in which:  
1290 unique CDR3  
14 unique J



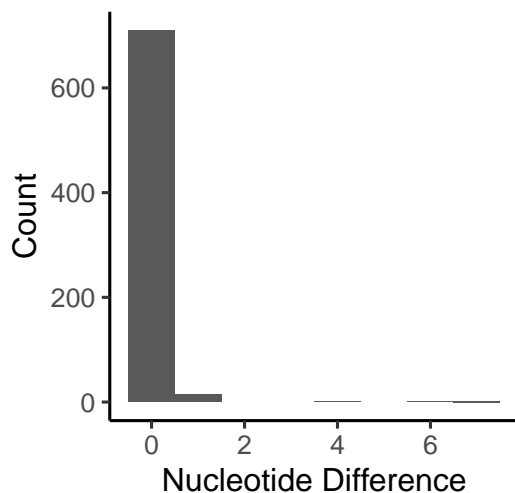
### TRBV29-1\*ap01

3686 sequences assigned  
3649 (99%) exact matches, in which:  
3613 unique CDR3  
14 unique J



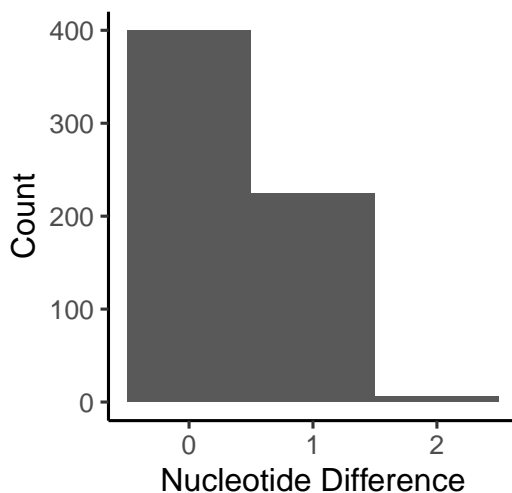
### TRBV7-7\*ap01

728 sequences assigned  
710 (97.5%) exact matches, in which:  
699 unique CDR3  
14 unique J



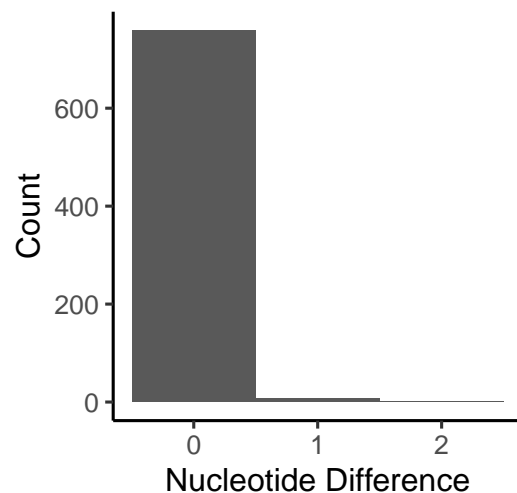
### TRBV7-8\*ap03

630 sequences assigned  
400 (63.5%) exact matches, in which:  
388 unique CDR3  
14 unique J

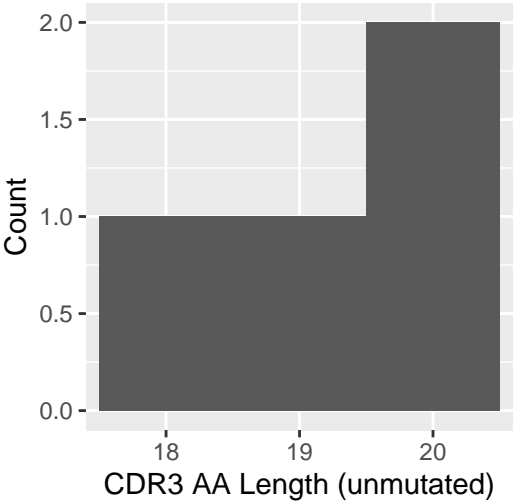


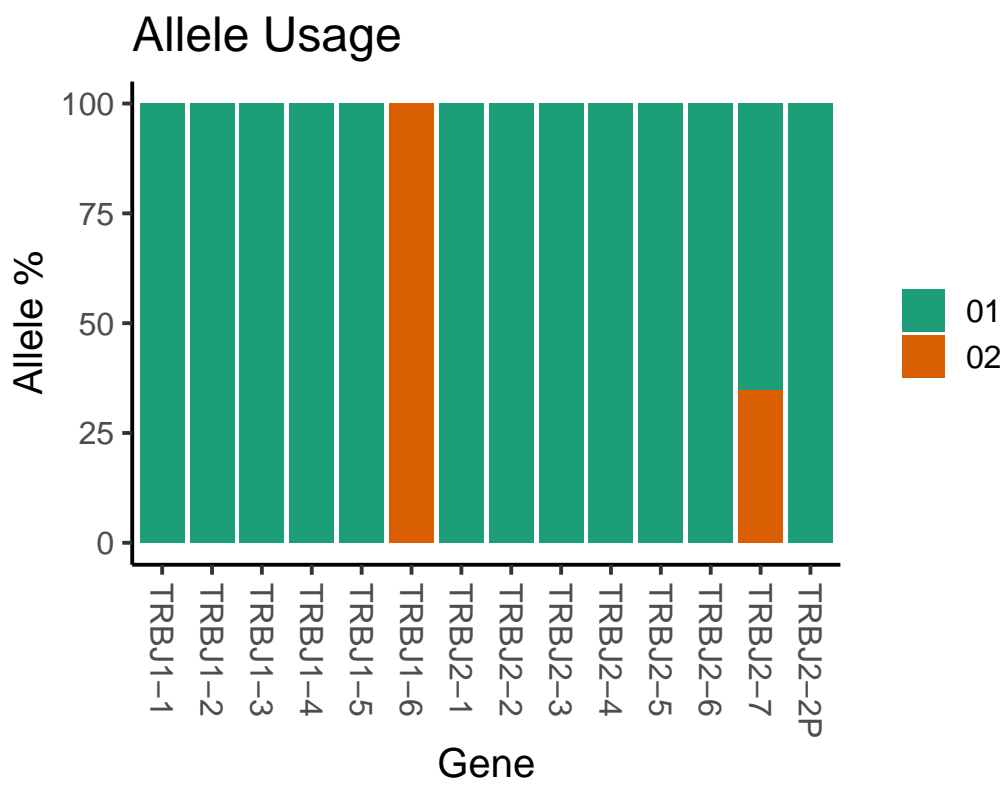
### TRBV29-1\*ap02

768 sequences assigned  
759 (98.8%) exact matches, in which:  
748 unique CDR3  
14 unique J



TRBV7-1\*ap01\_T296C\_C314T





Sequence Count by TRBJ2-7 allele usage

