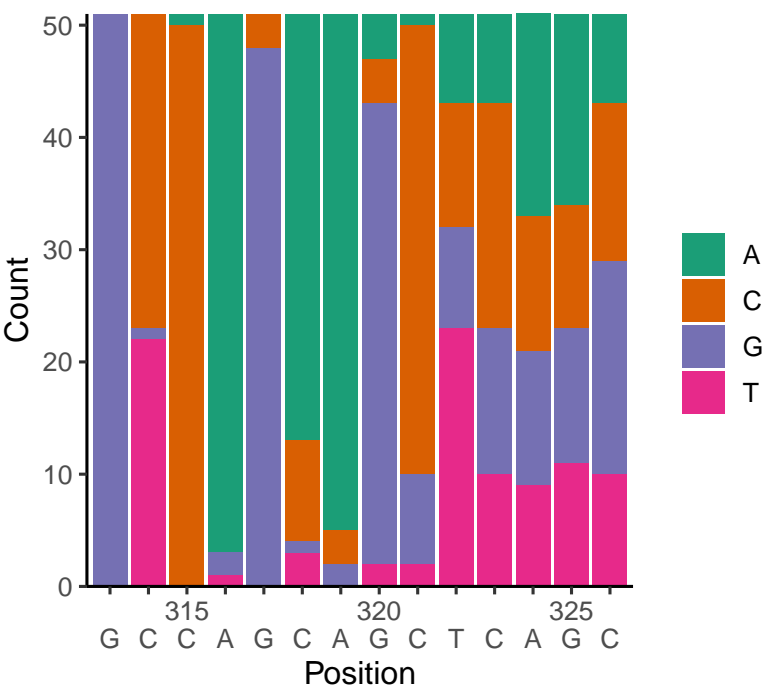
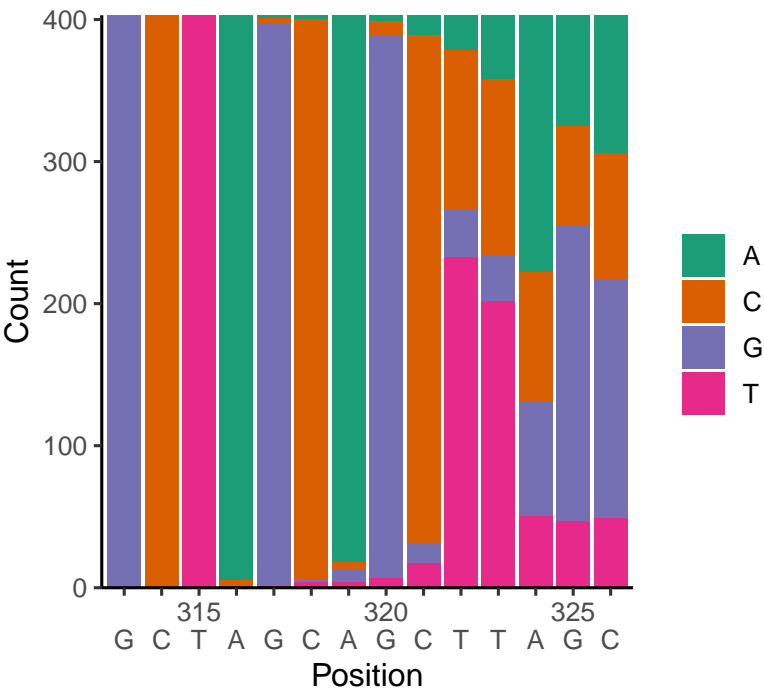


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



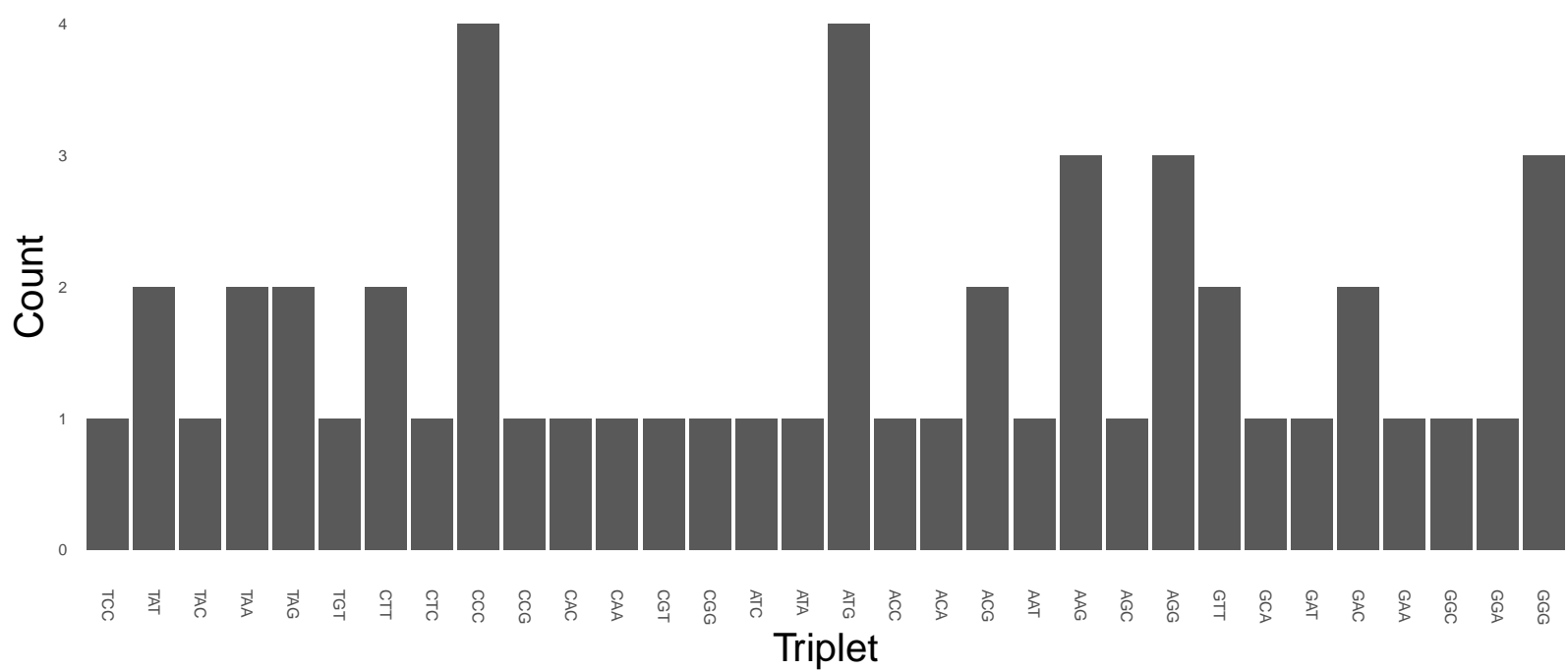
Gene TRBV7-1\*ap01\_T296C



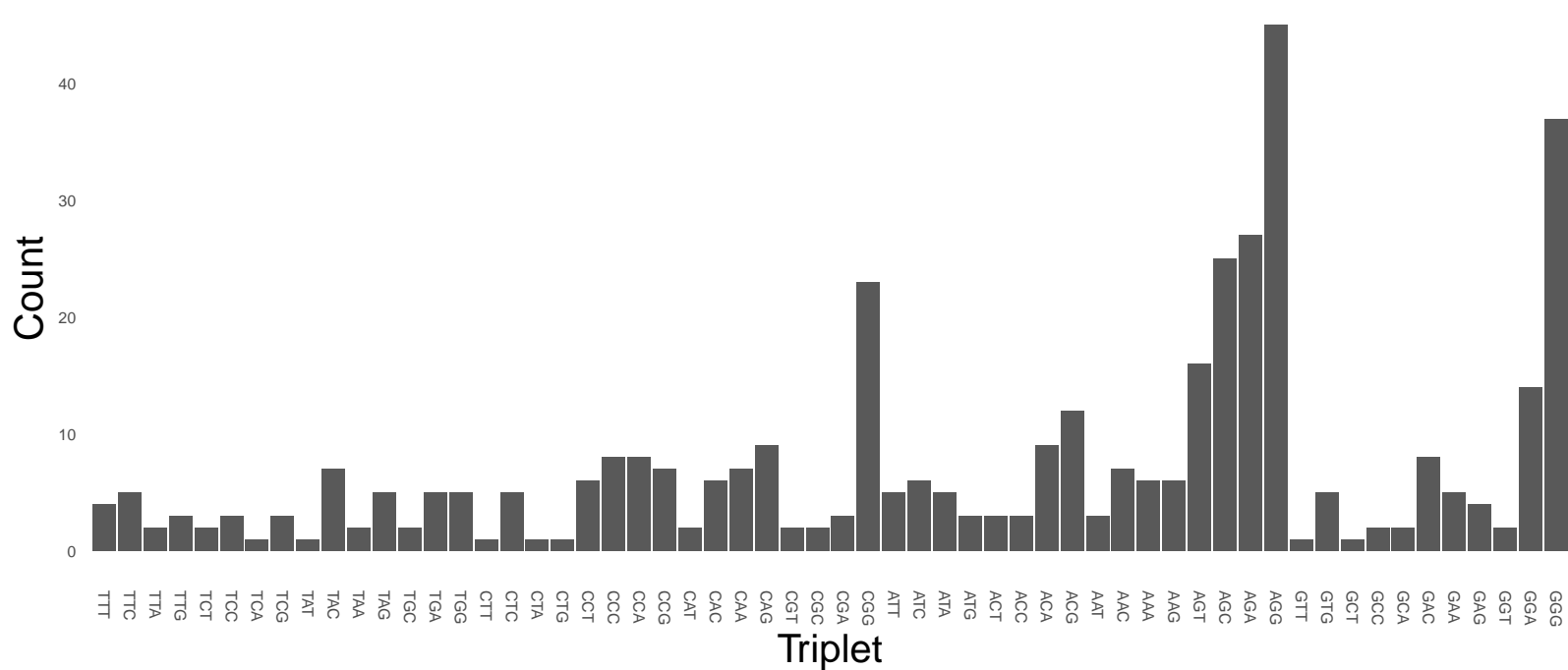
Gene TRBV7-7\*ap01\_C315T



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

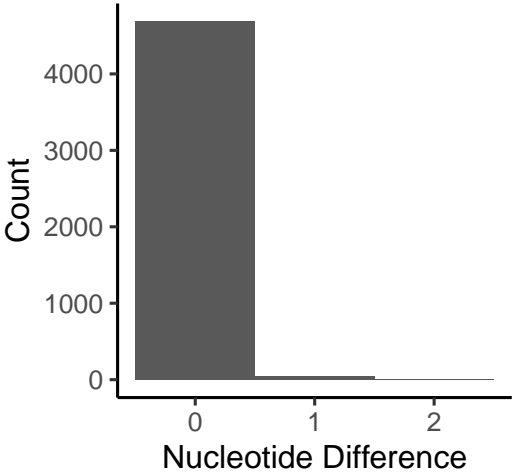


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



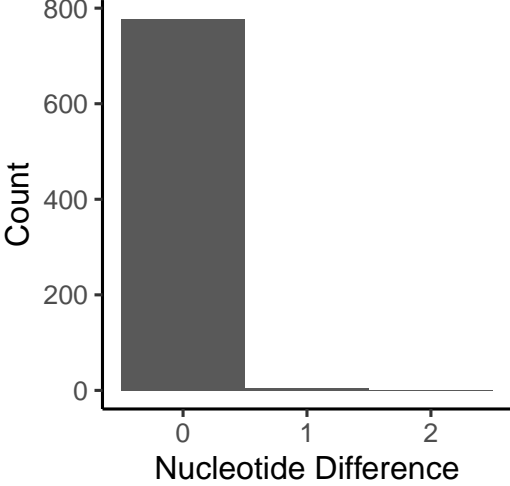
TRBV20-1\*ap01

4750 sequences assigned  
4687 (98.7%) exact matches, in which:  
4652 unique CDR3  
13 unique J



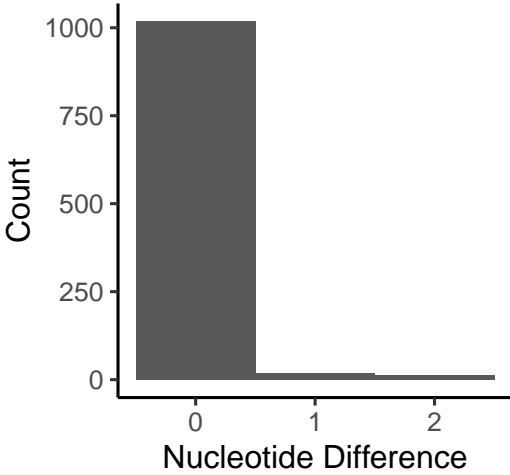
TRBV10-2\*ap01

784 sequences assigned  
778 (99.2%) exact matches, in which:  
775 unique CDR3  
13 unique J



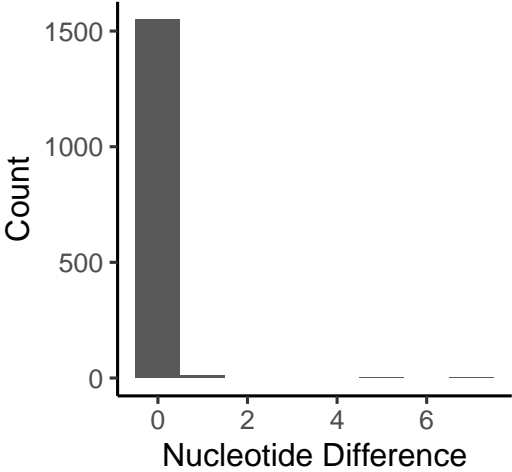
TRBV13\*ap01

1048 sequences assigned  
1018 (97.1%) exact matches, in which:  
1001 unique CDR3  
13 unique J



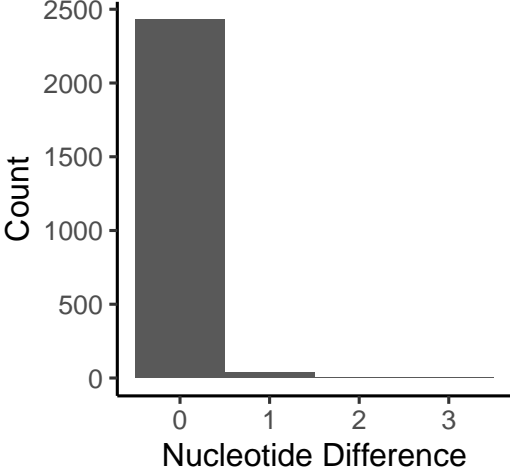
TRBV10-1\*ap01

1564 sequences assigned  
1549 (99%) exact matches, in which:  
1535 unique CDR3  
13 unique J



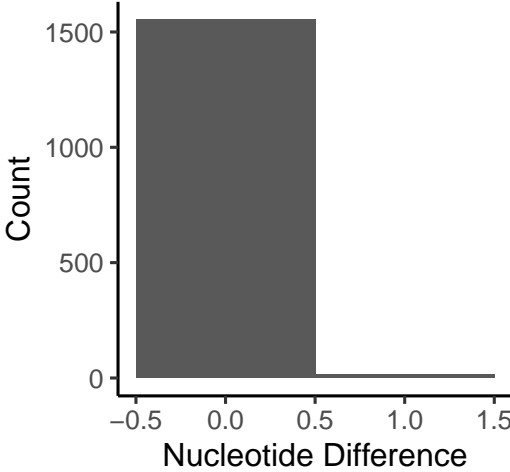
TRBV10-3\*ap01

2469 sequences assigned  
2429 (98.4%) exact matches, in which:  
2416 unique CDR3  
13 unique J



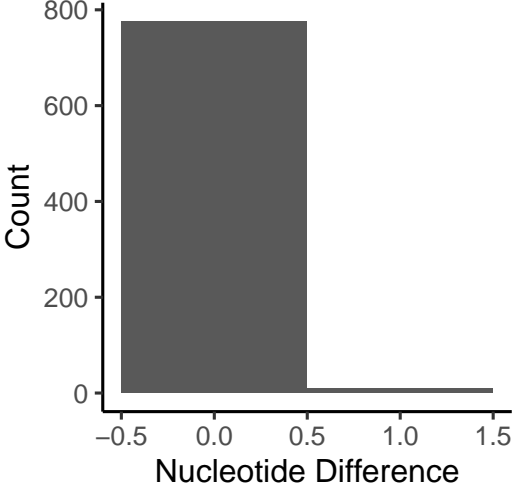
TRBV14\*ap01

1567 sequences assigned  
1553 (99.1%) exact matches, in which:  
1545 unique CDR3  
13 unique J



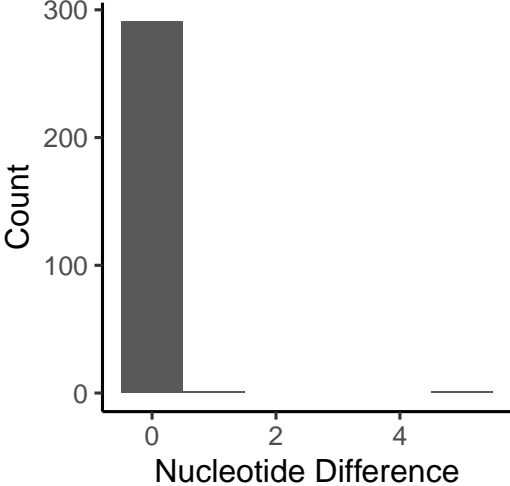
TRBV20-1\*ap02

785 sequences assigned  
776 (98.9%) exact matches, in which:  
770 unique CDR3  
13 unique J



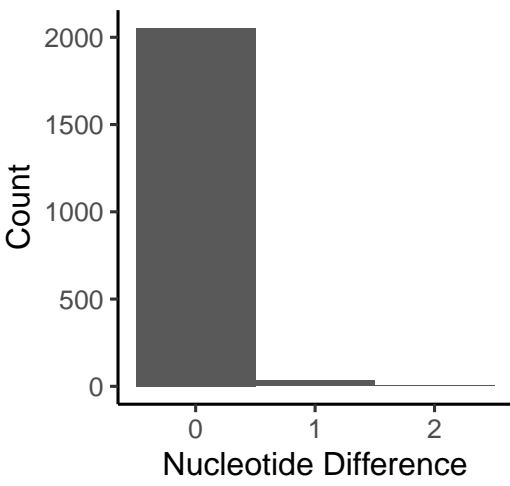
TRBV1\*ap01

293 sequences assigned  
291 (99.3%) exact matches, in which:  
286 unique CDR3  
13 unique J



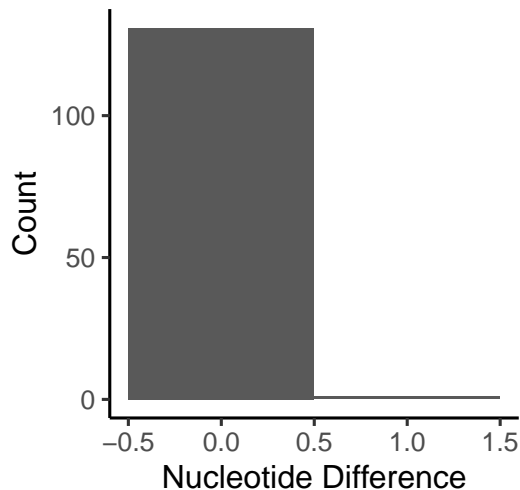
TRBV15\*ap02

2092 sequences assigned  
2053 (98.1%) exact matches, in which:  
2035 unique CDR3  
13 unique J



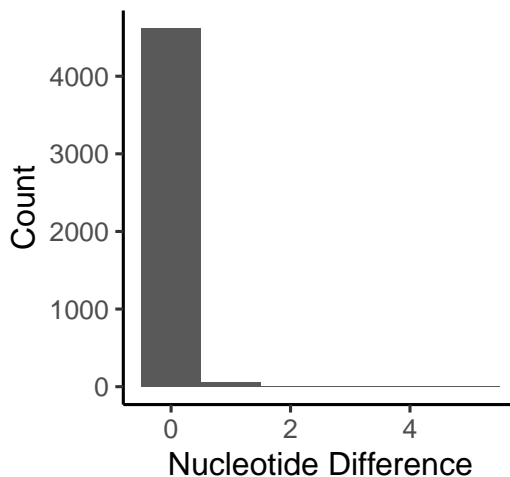
### TRBV16\*ap01

132 sequences assigned  
131 (99.2%) exact matches, in which:  
128 unique CDR3  
13 unique J



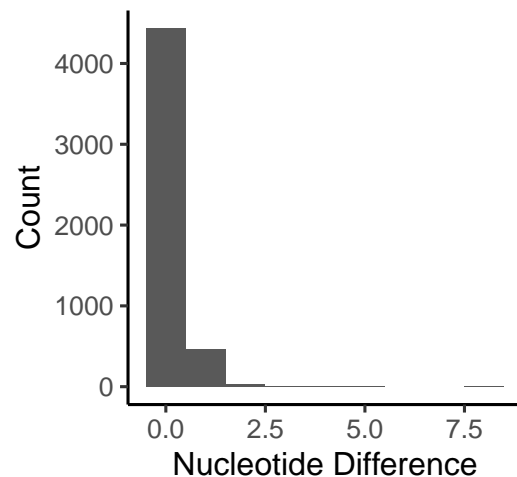
### TRBV2\*ap01

4686 sequences assigned  
4616 (98.5%) exact matches, in which:  
4569 unique CDR3  
13 unique J



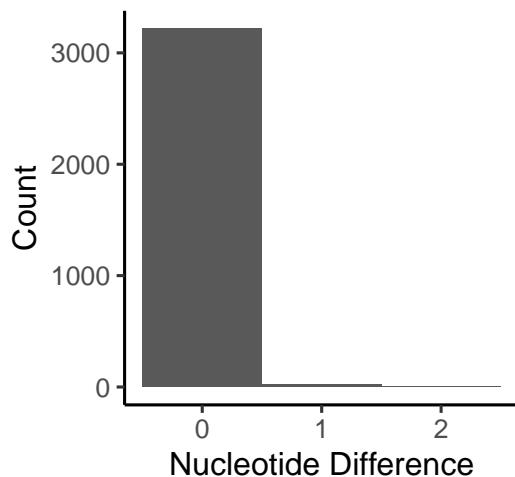
### TRBV30\*ap01

4939 sequences assigned  
4434 (89.8%) exact matches, in which:  
4326 unique CDR3  
13 unique J



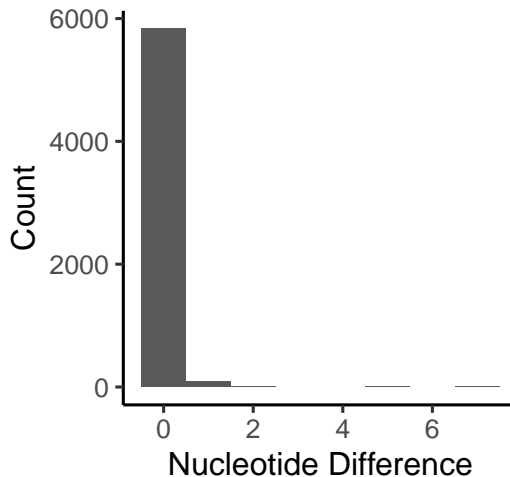
### TRBV18\*ap01

3246 sequences assigned  
3217 (99.1%) exact matches, in which:  
3206 unique CDR3  
13 unique J



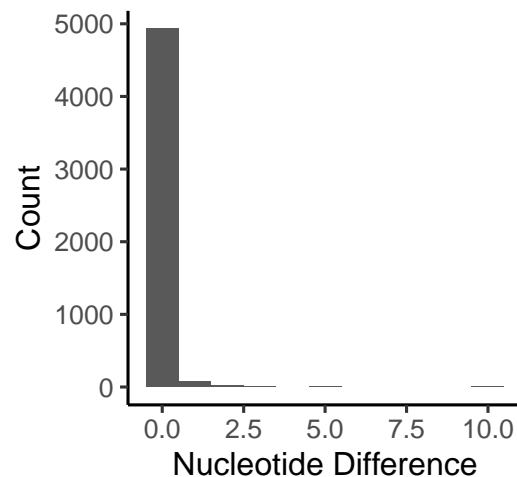
### TRBV27\*ap01

5927 sequences assigned  
5834 (98.4%) exact matches, in which:  
5787 unique CDR3  
13 unique J



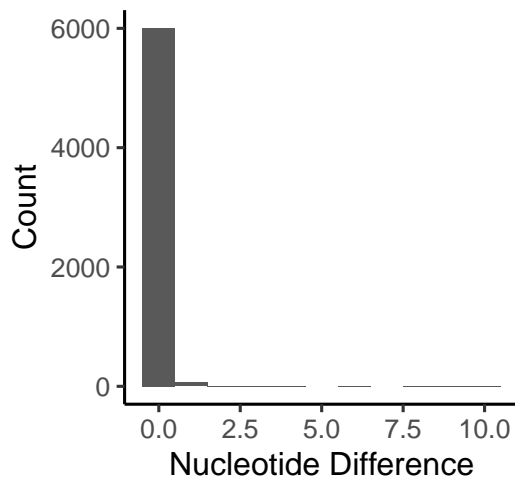
### TRBV9\*ap01

5024 sequences assigned  
4932 (98.2%) exact matches, in which:  
4904 unique CDR3  
13 unique J



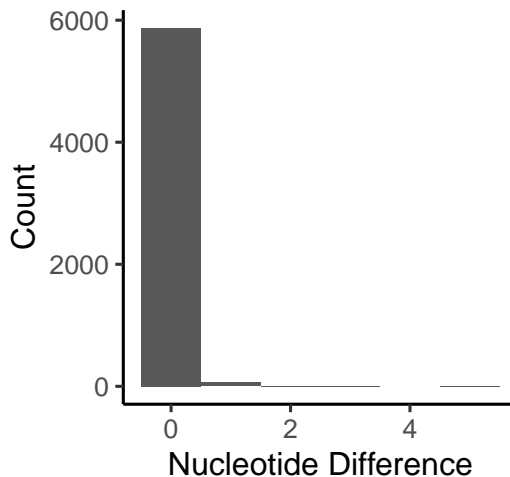
### TRBV19\*ap01

6083 sequences assigned  
6005 (98.7%) exact matches, in which:  
5983 unique CDR3  
13 unique J



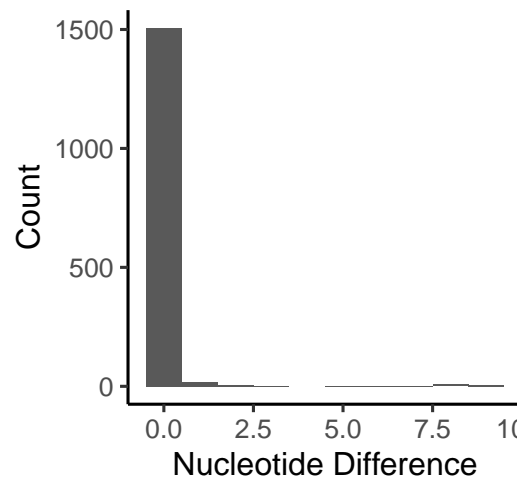
### TRBV28\*ap01

5941 sequences assigned  
5871 (98.8%) exact matches, in which:  
5833 unique CDR3  
13 unique J



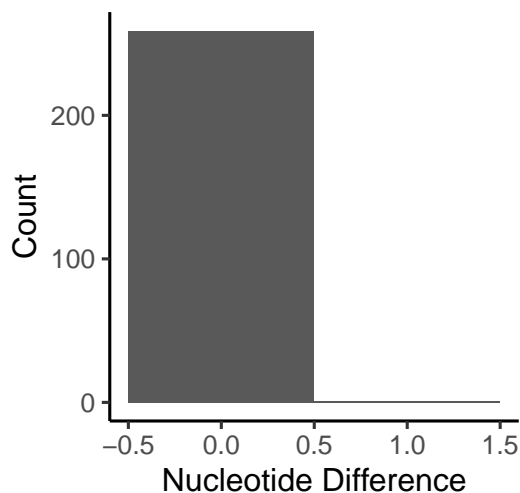
### TRBV21-1\*ap01

1548 sequences assigned  
1506 (97.3%) exact matches, in which:  
1497 unique CDR3  
13 unique J



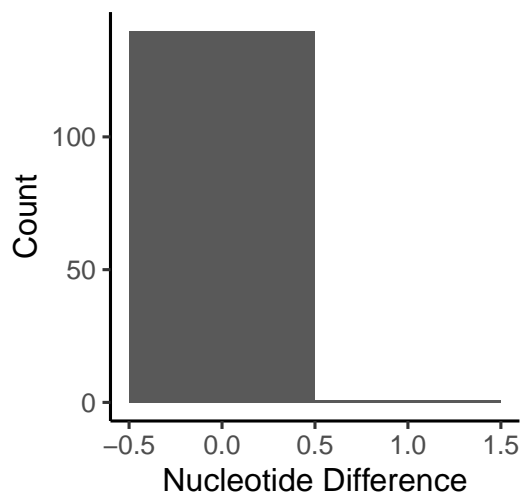
### TRBV11-1\*ap01

260 sequences assigned  
259 (99.6%) exact matches, in which:  
259 unique CDR3  
13 unique J



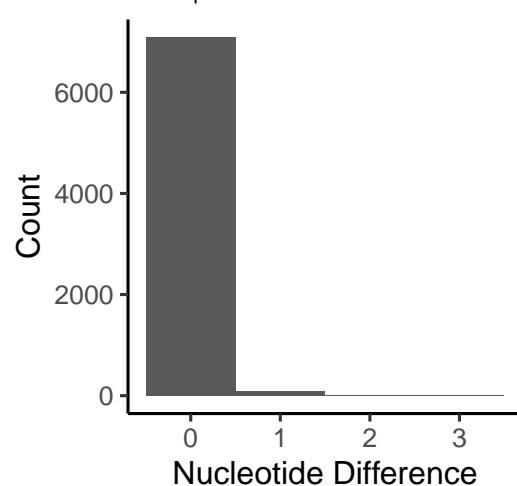
### TRBV12-1\*ap01

141 sequences assigned  
140 (99.3%) exact matches, in which:  
140 unique CDR3  
13 unique J



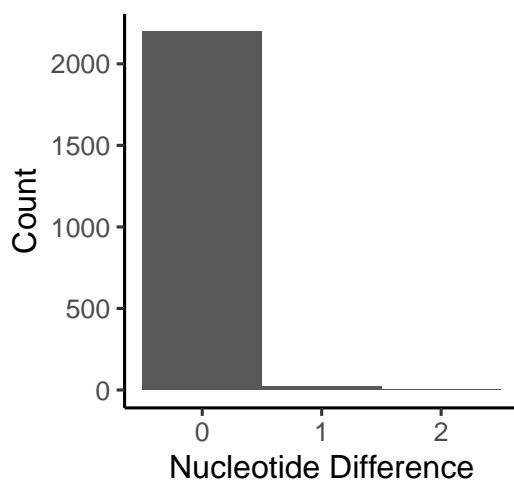
### TRBV12-34\*ap01

7185 sequences assigned  
7086 (98.6%) exact matches, in which:  
7023 unique CDR3  
13 unique J



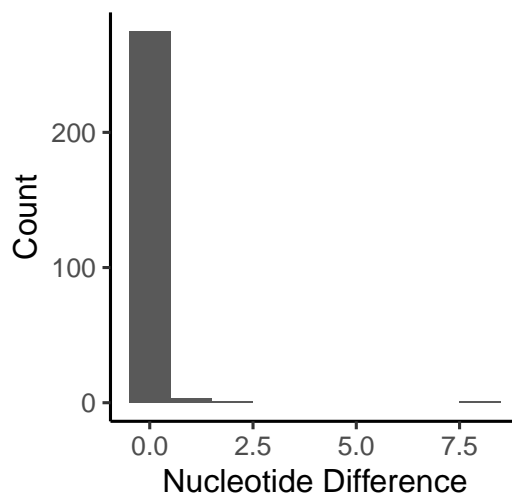
### TRBV11-2\*ap01

2222 sequences assigned  
2197 (98.9%) exact matches, in which:  
2188 unique CDR3  
13 unique J



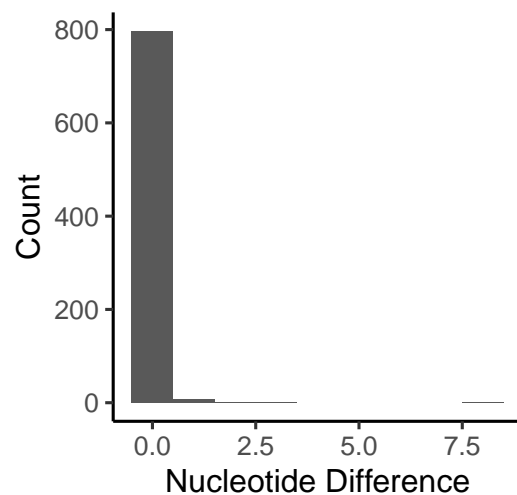
### TRBV12-2\*ap01

280 sequences assigned  
275 (98.2%) exact matches, in which:  
273 unique CDR3  
13 unique J



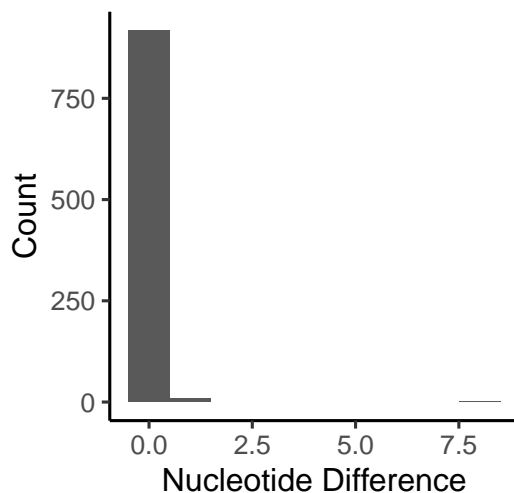
### TRBV23-1\*ap01

808 sequences assigned  
797 (98.6%) exact matches, in which:  
792 unique CDR3  
13 unique J



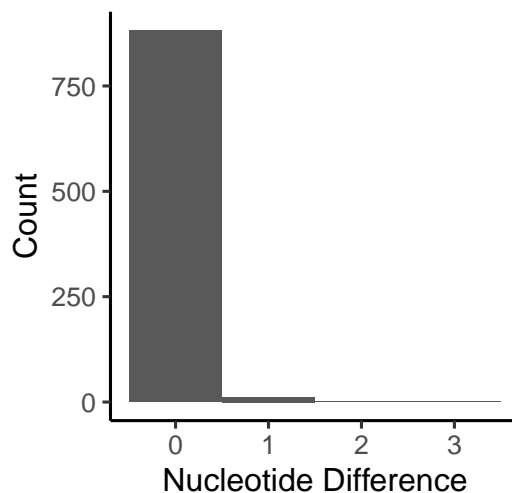
### TRBV11-3\*ap01

927 sequences assigned  
918 (99%) exact matches, in which:  
918 unique CDR3  
13 unique J



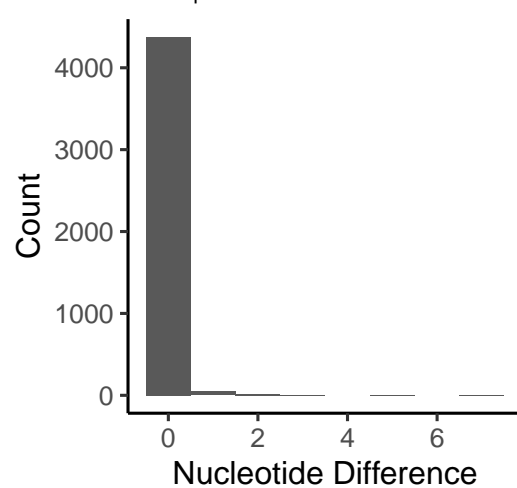
### TRBV12-5\*ap01

897 sequences assigned  
882 (98.3%) exact matches, in which:  
875 unique CDR3  
13 unique J



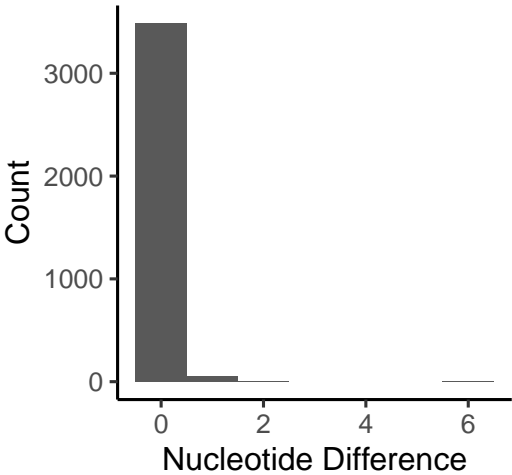
### TRBV3-12\*ap01

4443 sequences assigned  
4375 (98.5%) exact matches, in which:  
4357 unique CDR3  
13 unique J



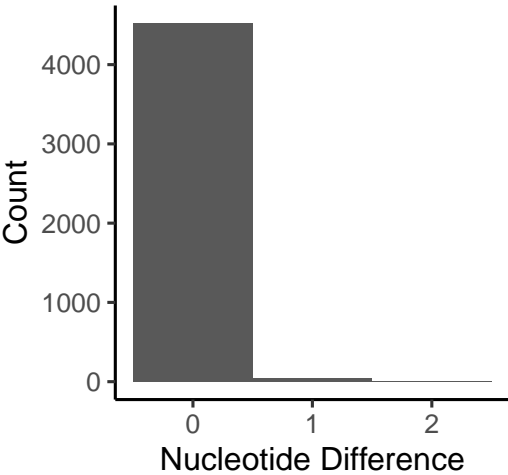
TRBV4-1\*ap01

3545 sequences assigned  
3485 (98.3%) exact matches, in which:  
3454 unique CDR3  
13 unique J



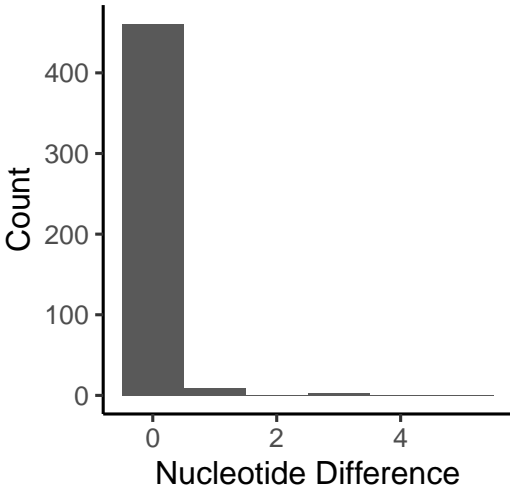
TRBV4-3\*ap01

4571 sequences assigned  
4520 (98.9%) exact matches, in which:  
4480 unique CDR3  
13 unique J



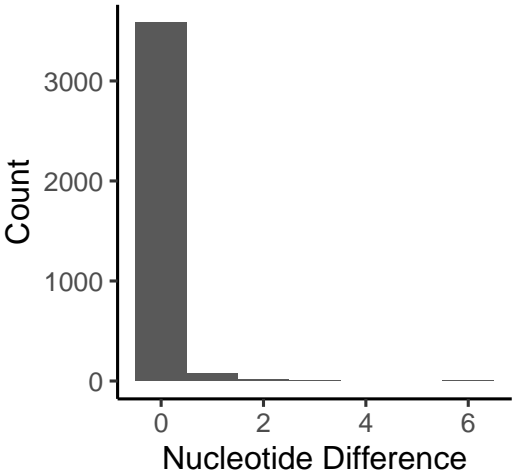
TRBV5-3\*ap01

476 sequences assigned  
461 (96.8%) exact matches, in which:  
456 unique CDR3  
13 unique J



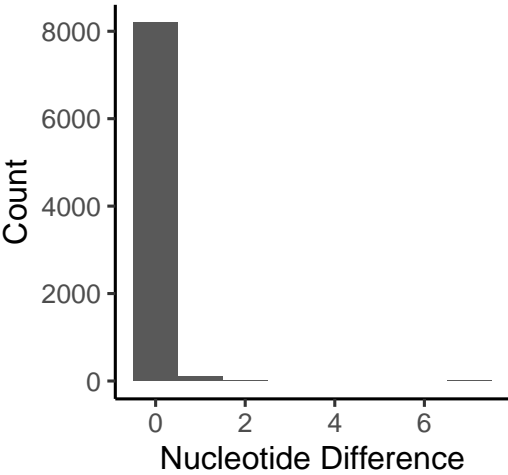
TRBV24-1\*ap01

3670 sequences assigned  
3582 (97.6%) exact matches, in which:  
3538 unique CDR3  
13 unique J



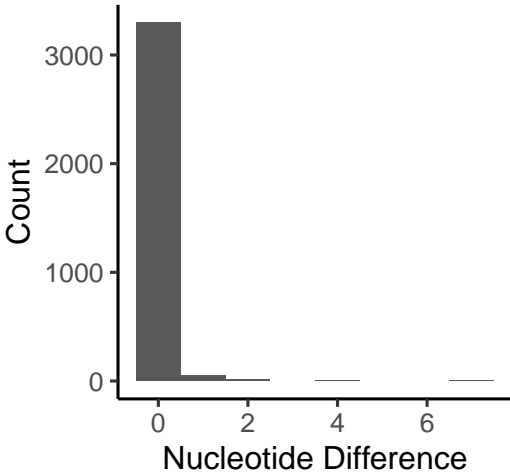
TRBV5-1\*ap01

8296 sequences assigned  
8195 (98.8%) exact matches, in which:  
8115 unique CDR3  
13 unique J



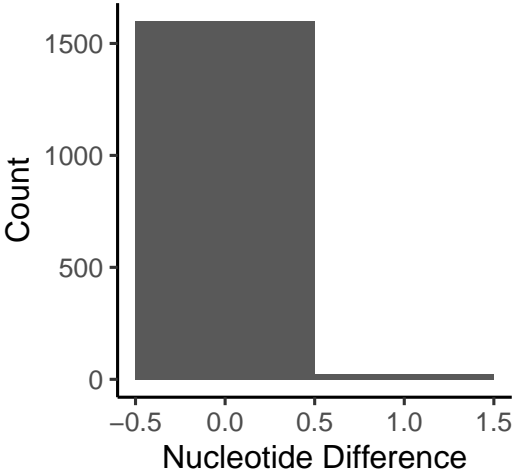
TRBV5-4\*ap01

3367 sequences assigned  
3297 (97.9%) exact matches, in which:  
3265 unique CDR3  
13 unique J



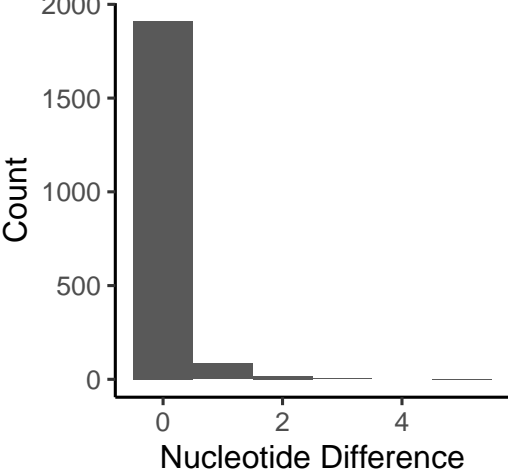
TRBV4-2\*ap01

1624 sequences assigned  
1600 (98.5%) exact matches, in which:  
1587 unique CDR3  
13 unique J



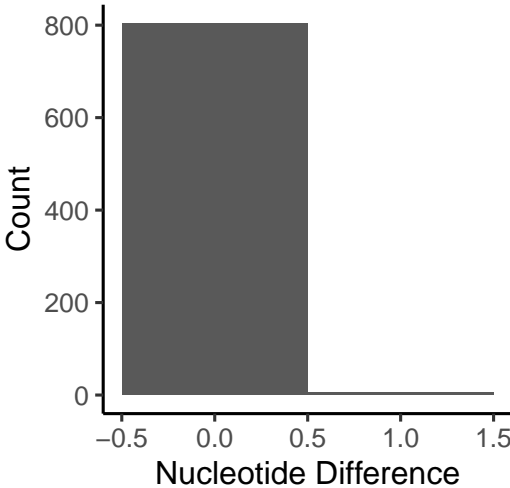
TRBV25-1\*ap01

2018 sequences assigned  
1911 (94.7%) exact matches, in which:  
1875 unique CDR3  
13 unique J



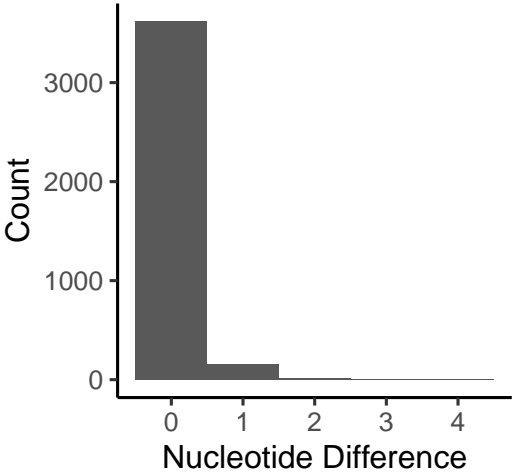
TRBV5-5\*ap01

809 sequences assigned  
804 (99.4%) exact matches, in which:  
802 unique CDR3  
13 unique J



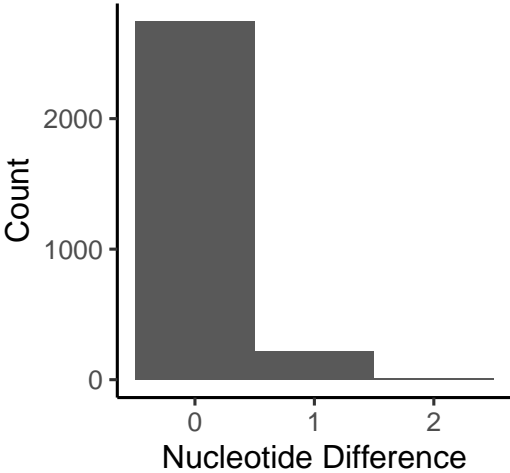
TRBV5-6\*ap01

3794 sequences assigned  
3618 (95.4%) exact matches, in which:  
3553 unique CDR3  
13 unique J



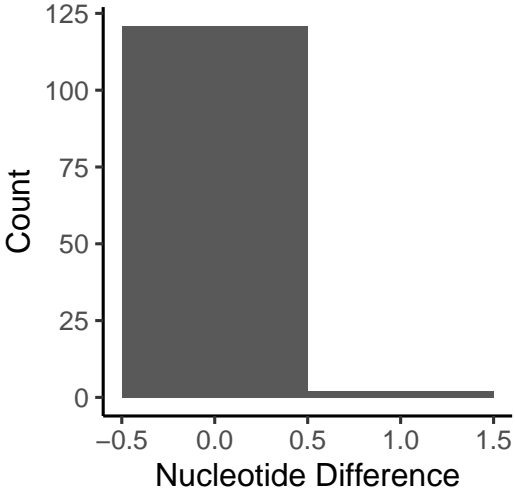
TRBV6-1\*ap01

2977 sequences assigned  
2745 (92.2%) exact matches, in which:  
2712 unique CDR3  
13 unique J



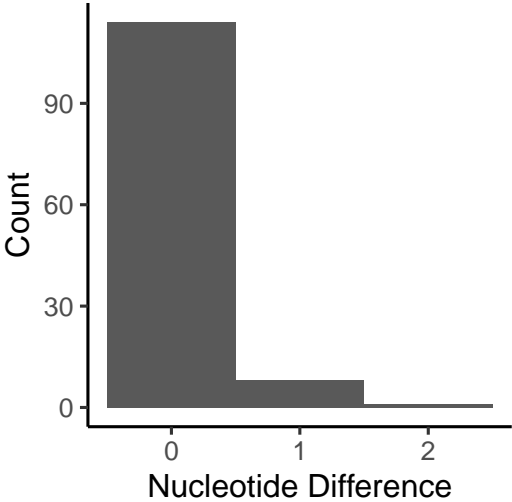
TRBV6-8\*ap01

123 sequences assigned  
121 (98.4%) exact matches, in which:  
119 unique CDR3  
13 unique J



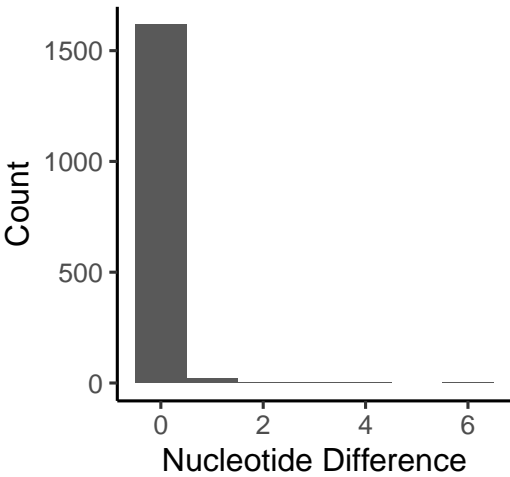
TRBV5-7\*ap01

123 sequences assigned  
114 (92.7%) exact matches, in which:  
111 unique CDR3  
13 unique J



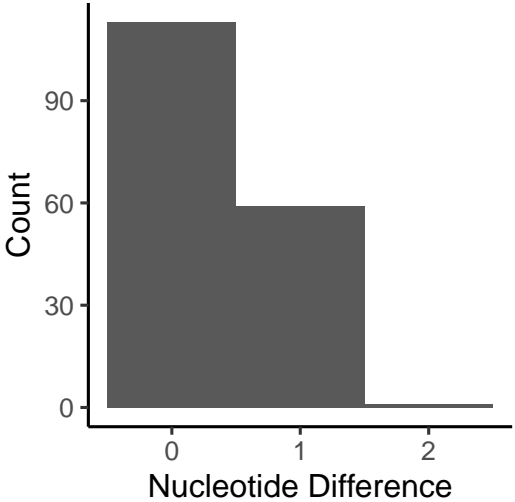
TRBV6-4\*ap01

1645 sequences assigned  
1617 (98.3%) exact matches, in which:  
1609 unique CDR3  
13 unique J



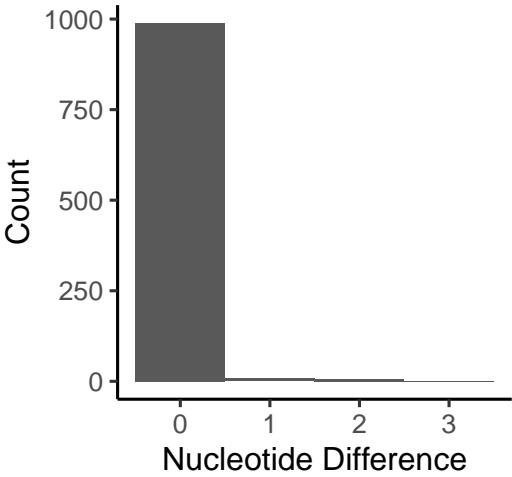
TRBV6-9\*ap01

173 sequences assigned  
113 (65.3%) exact matches, in which:  
112 unique CDR3  
12 unique J



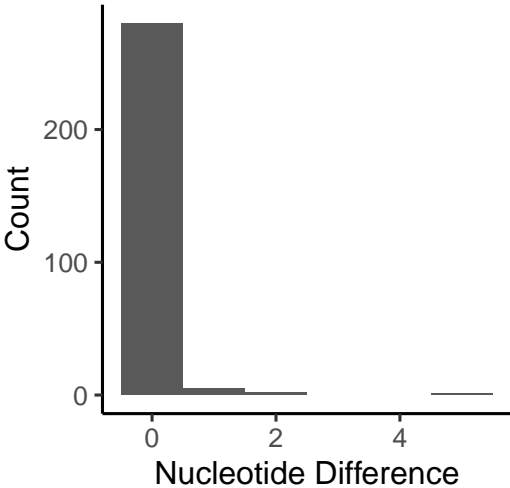
TRBV5-8\*ap01

1004 sequences assigned  
989 (98.5%) exact matches, in which:  
984 unique CDR3  
13 unique J



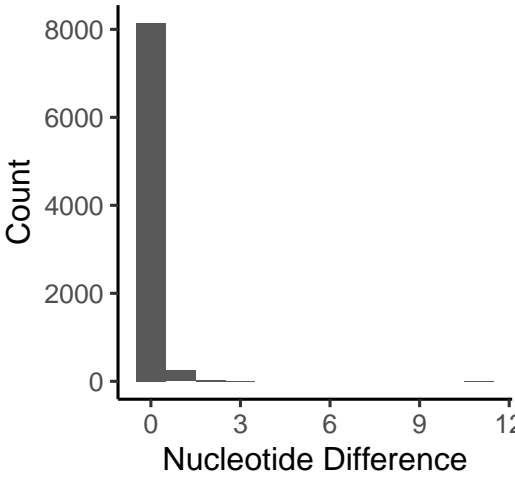
TRBV6-7\*ap01

288 sequences assigned  
280 (97.2%) exact matches, in which:  
275 unique CDR3  
13 unique J



TRBV6-23\*ap01

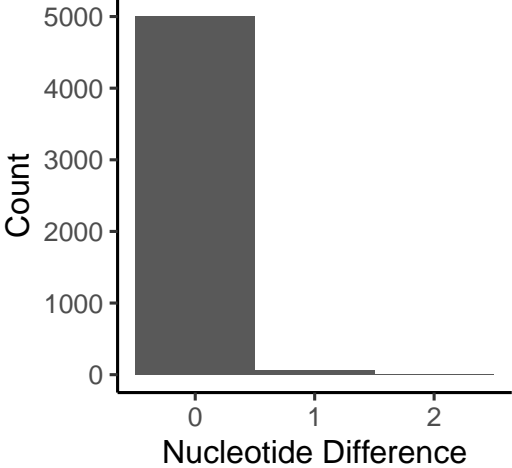
8422 sequences assigned  
8143 (96.7%) exact matches, in which:  
8004 unique CDR3  
13 unique J





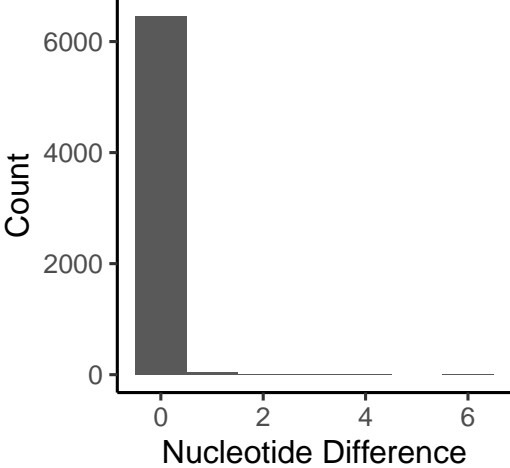
TRBV6-56\*ap01

5068 sequences assigned  
5002 (98.7%) exact matches, in which:  
4956 unique CDR3  
13 unique J



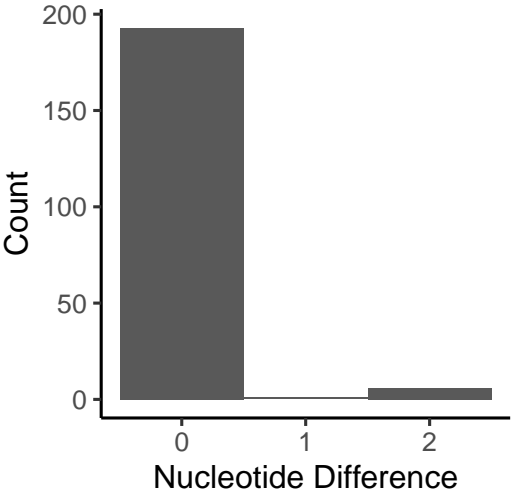
TRBV7-2\*ap01

6510 sequences assigned  
6453 (99.1%) exact matches, in which:  
6402 unique CDR3  
13 unique J



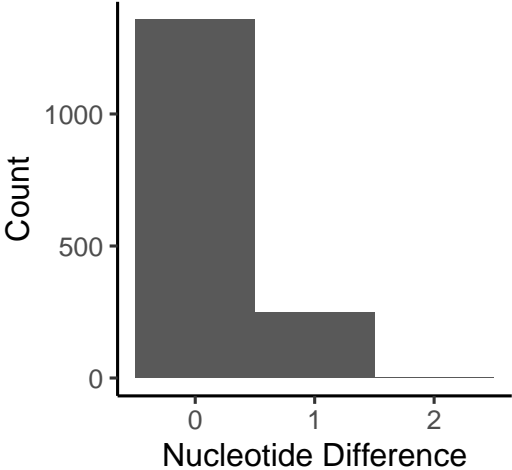
TRBV7-4\*ap01

200 sequences assigned  
193 (96.5%) exact matches, in which:  
191 unique CDR3  
13 unique J



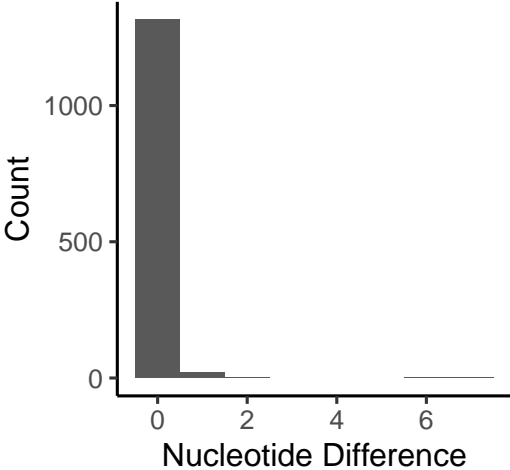
TRBV6-56\*ap02

1610 sequences assigned  
1357 (84.3%) exact matches, in which:  
1344 unique CDR3  
13 unique J



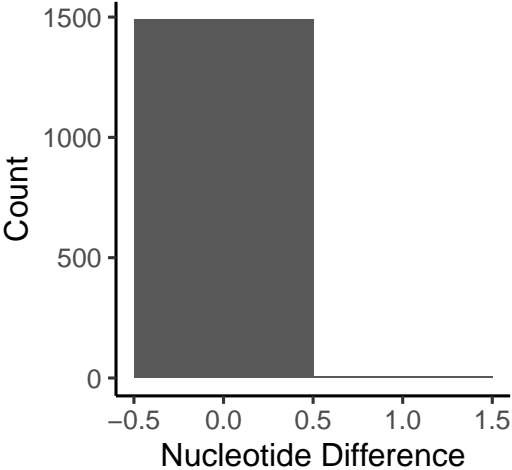
TRBV7-3\*ap01

1339 sequences assigned  
1315 (98.2%) exact matches, in which:  
1311 unique CDR3  
13 unique J



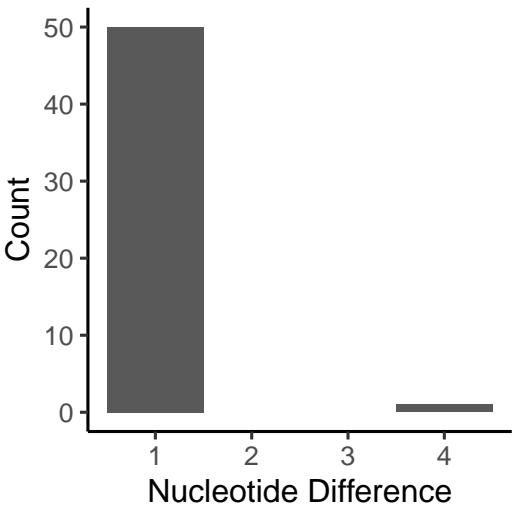
TRBV7-6\*ap01

1495 sequences assigned  
1489 (99.6%) exact matches, in which:  
1480 unique CDR3  
13 unique J



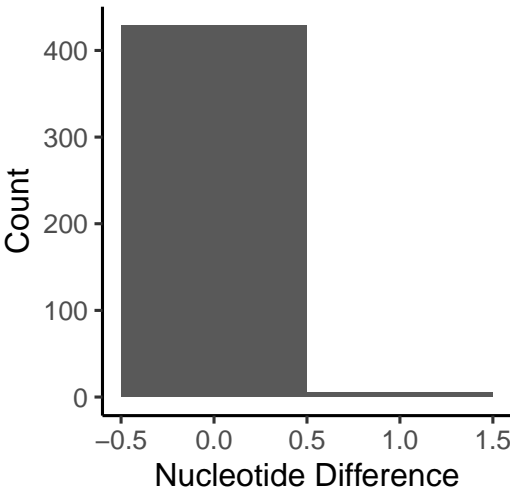
TRBV7-1\*ap01\_T296C

51 sequences assigned  
No exact matches.



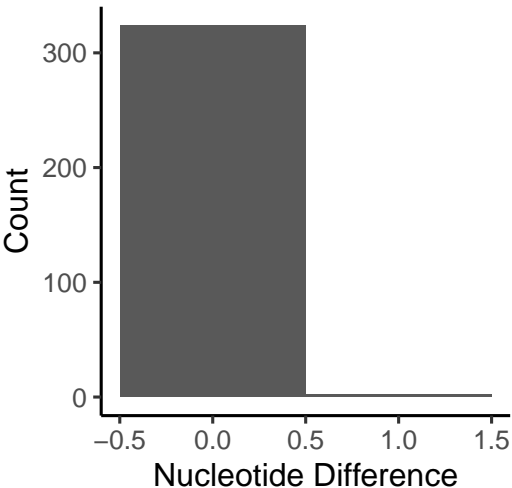
TRBV7-3\*ap02

434 sequences assigned  
429 (98.8%) exact matches, in which:  
426 unique CDR3  
13 unique J



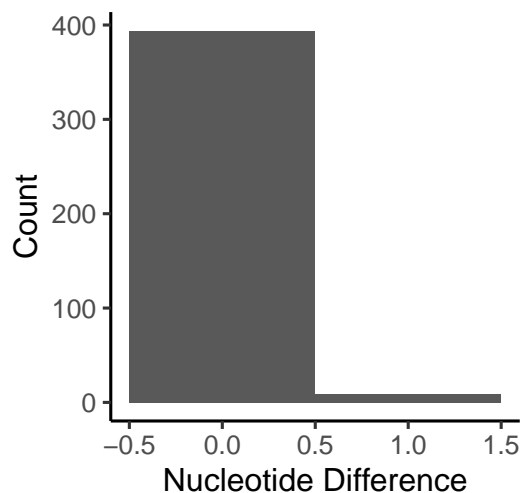
TRBV7-7\*ap01

326 sequences assigned  
324 (99.4%) exact matches, in which:  
321 unique CDR3  
13 unique J



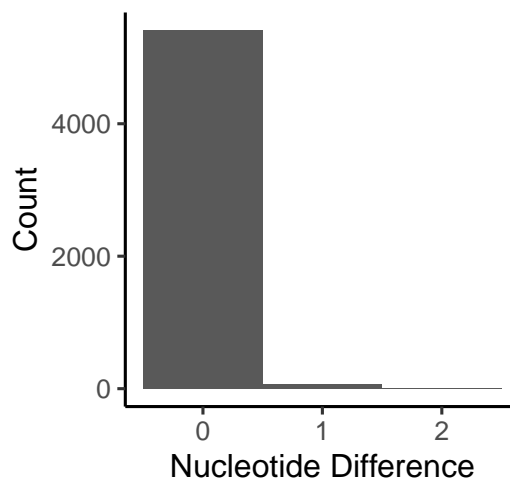
### TRBV7-7\*ap01\_C315T

403 sequences assigned  
394 (97.8%) exact matches, in which:  
388 unique CDR3  
13 unique J



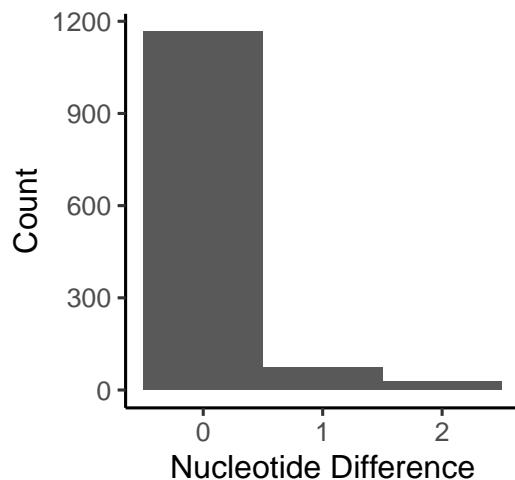
### TRBV7-9\*ap01

5490 sequences assigned  
5409 (98.5%) exact matches, in which:  
5376 unique CDR3  
13 unique J



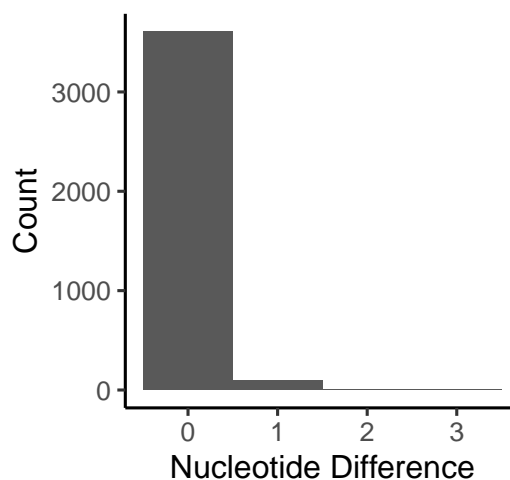
### TRBV7-8\*ap01

1267 sequences assigned  
1166 (92%) exact matches, in which:  
1152 unique CDR3  
13 unique J



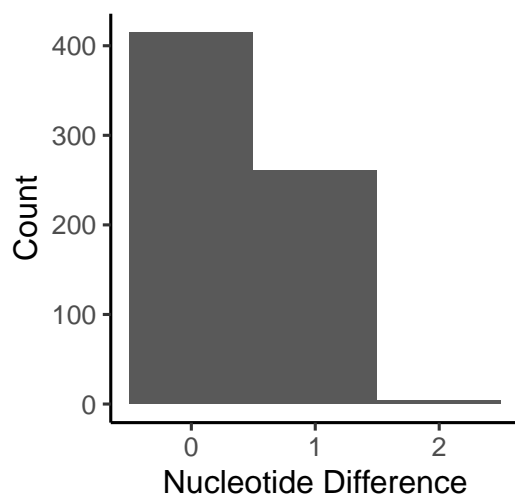
### TRBV29-1\*ap01

3716 sequences assigned  
3606 (97%) exact matches, in which:  
3531 unique CDR3  
13 unique J



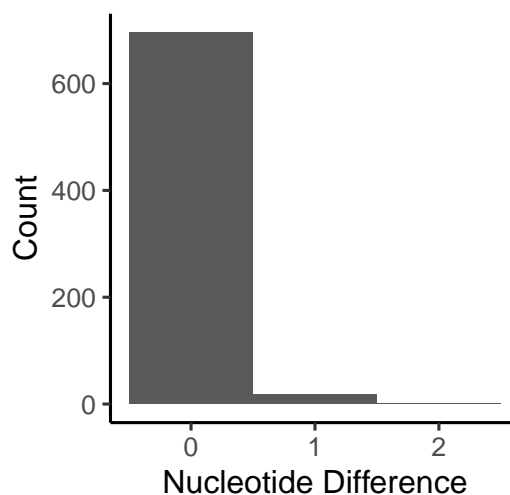
### TRBV7-8\*ap03

680 sequences assigned  
415 (61%) exact matches, in which:  
411 unique CDR3  
13 unique J

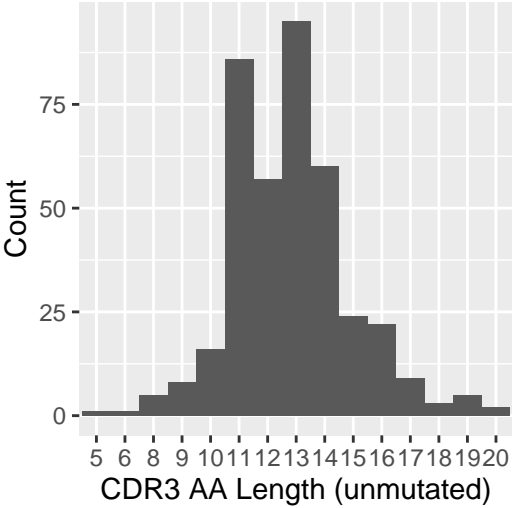


### TRBV29-1\*ap02

715 sequences assigned  
696 (97.3%) exact matches, in which:  
681 unique CDR3  
13 unique J



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.