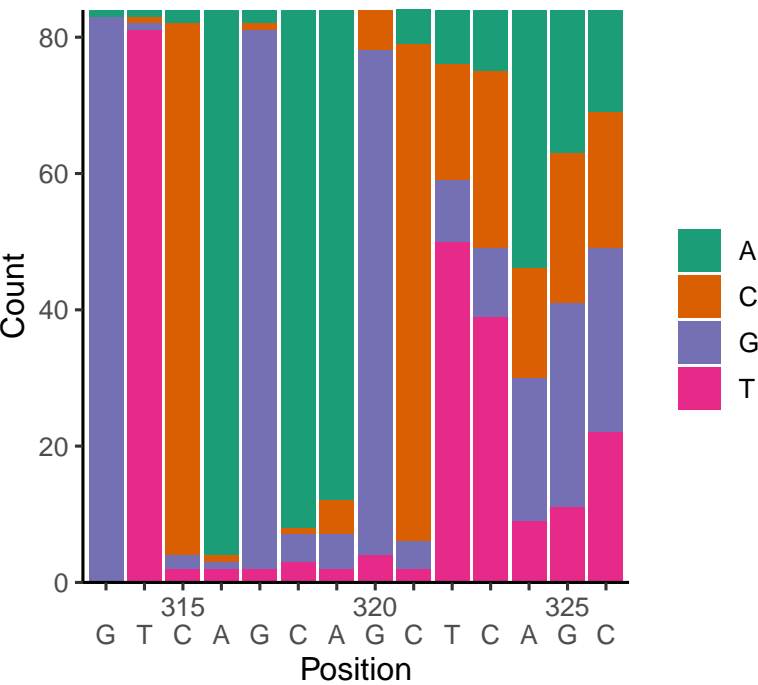


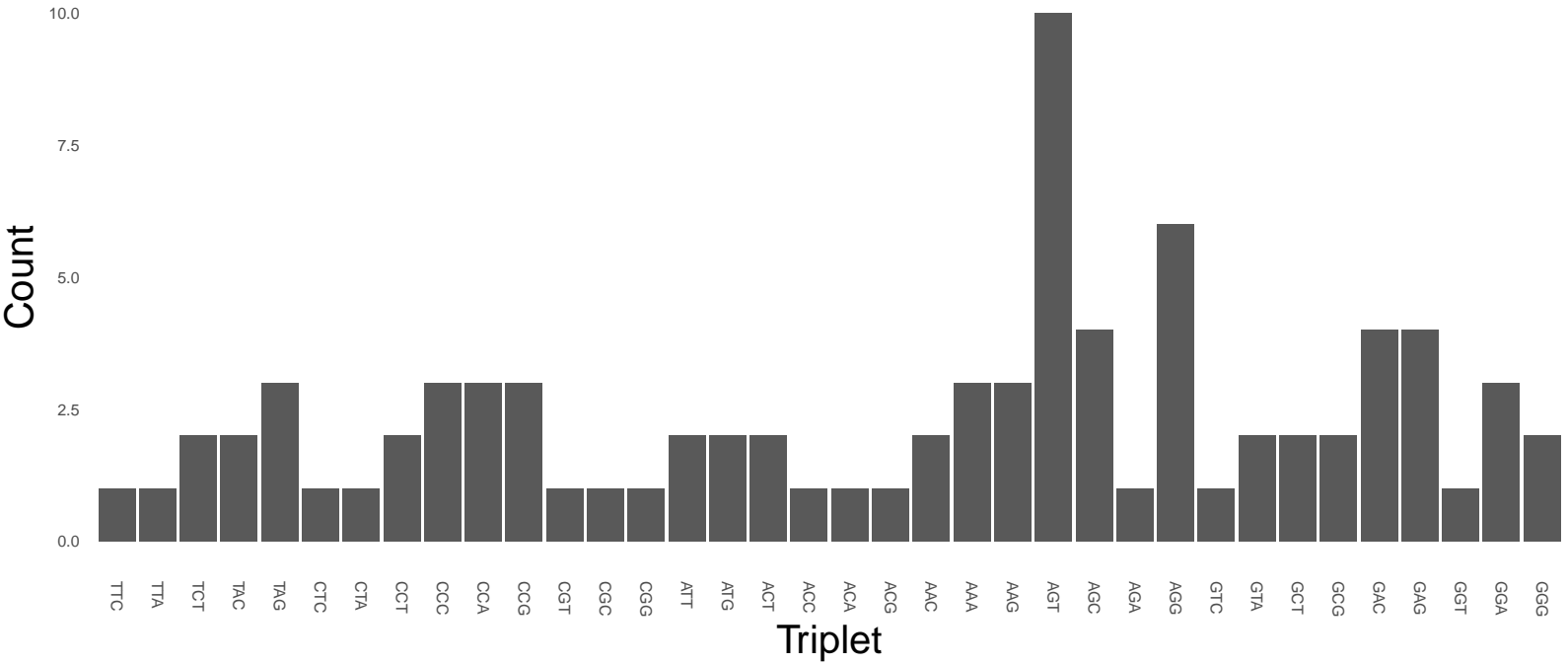
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T

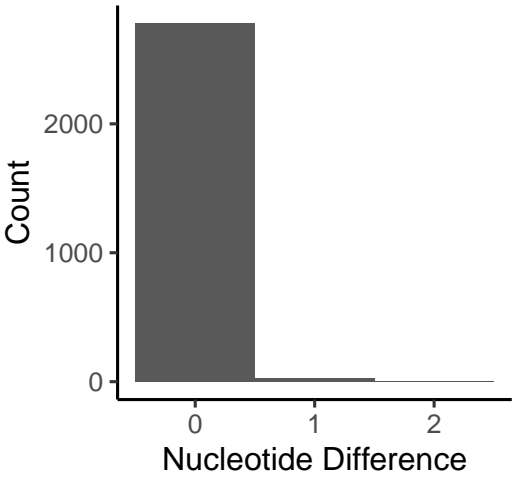


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



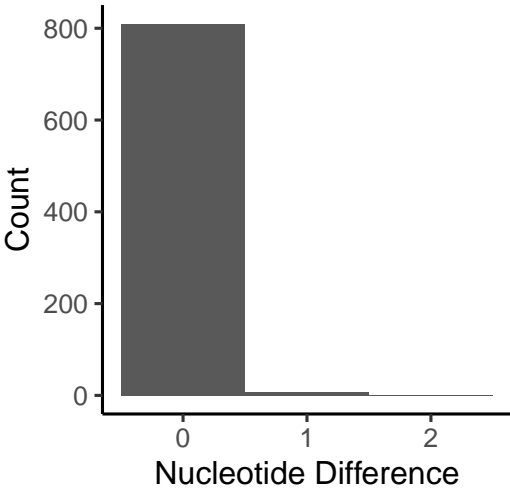
TRBV20-1\*ap01

2808 sequences assigned  
2779 (99%) exact matches, in which:  
2749 unique CDR3  
13 unique J



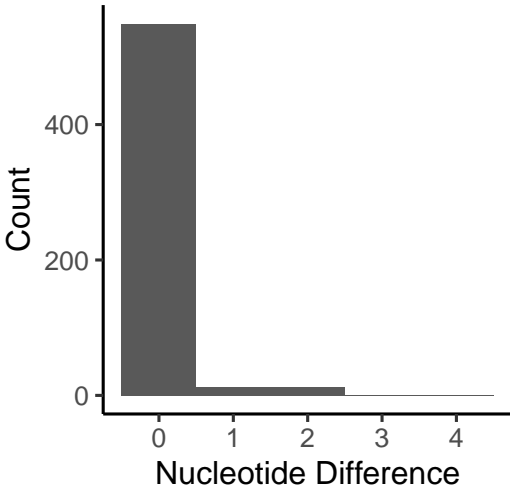
TRBV10-2\*ap01

819 sequences assigned  
810 (98.9%) exact matches, in which:  
805 unique CDR3  
13 unique J



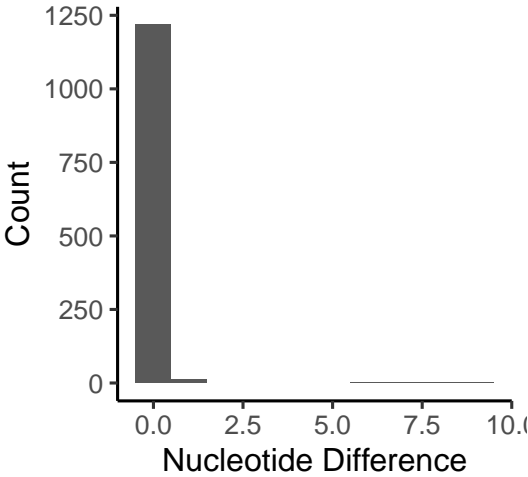
TRBV13\*ap01

576 sequences assigned  
549 (95.3%) exact matches, in which:  
537 unique CDR3  
13 unique J



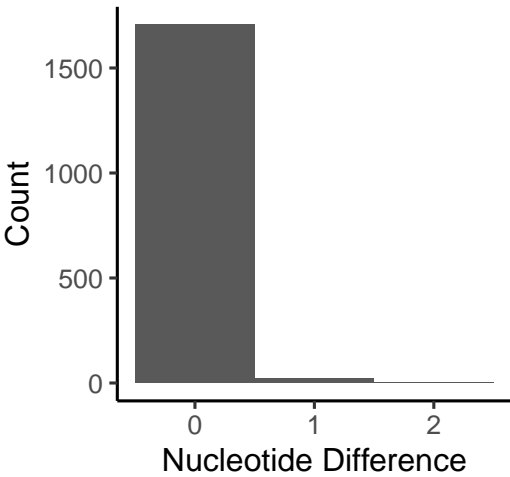
TRBV10-1\*ap01

1233 sequences assigned  
1218 (98.8%) exact matches, in which:  
1188 unique CDR3  
13 unique J



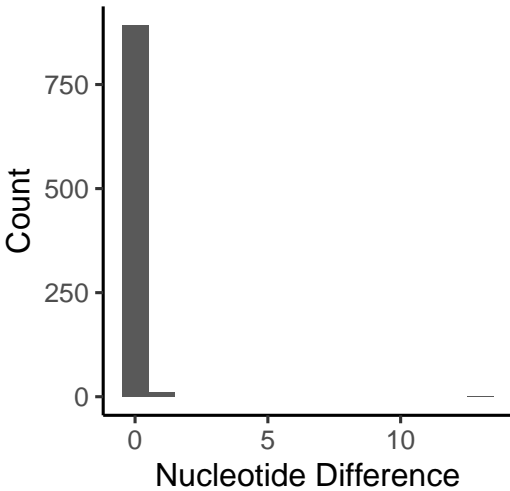
TRBV10-3\*ap01

1730 sequences assigned  
1706 (98.6%) exact matches, in which:  
1672 unique CDR3  
13 unique J



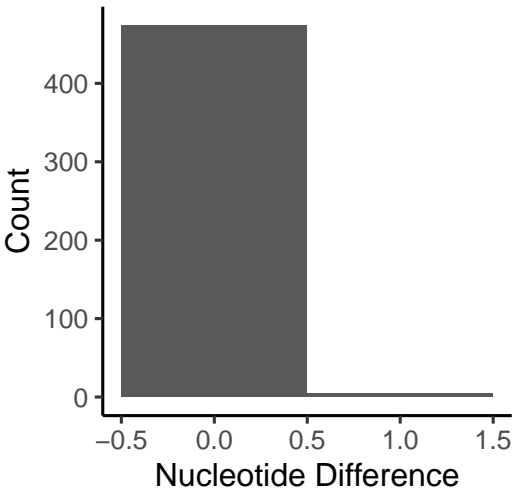
TRBV14\*ap01

906 sequences assigned  
893 (98.6%) exact matches, in which:  
883 unique CDR3  
13 unique J



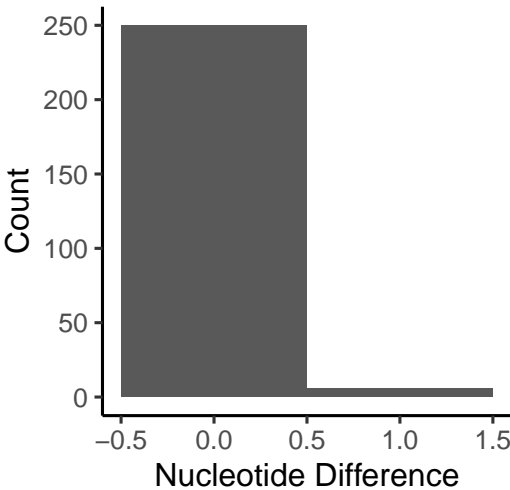
TRBV20-1\*ap02

479 sequences assigned  
474 (99%) exact matches, in which:  
467 unique CDR3  
12 unique J



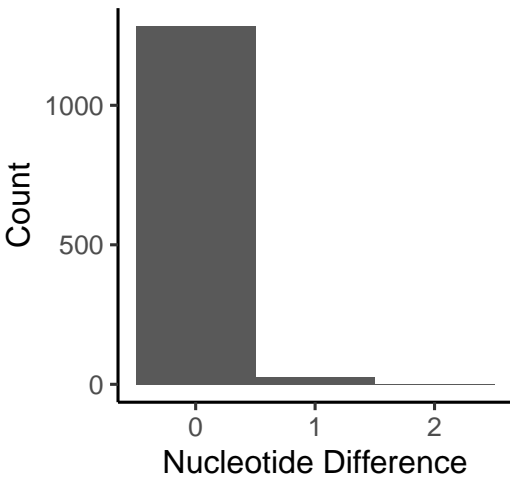
TRBV1\*ap01

256 sequences assigned  
250 (97.7%) exact matches, in which:  
245 unique CDR3  
14 unique J



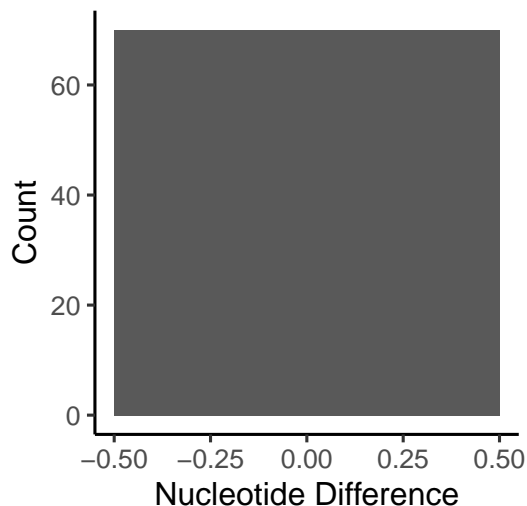
TRBV15\*ap02

1313 sequences assigned  
1284 (97.8%) exact matches, in which:  
1260 unique CDR3  
13 unique J



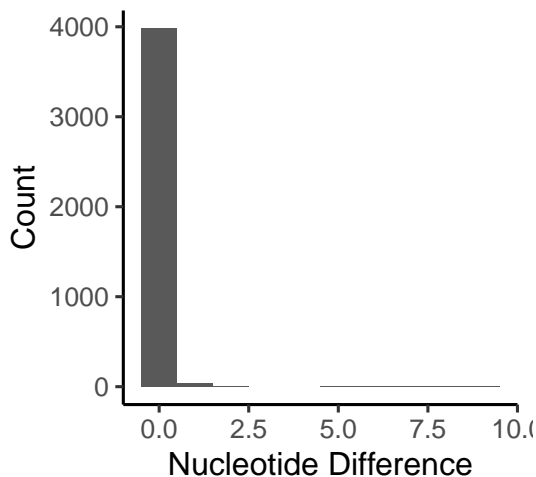
### TRBV16\*ap01

70 sequences assigned  
70 (100%) exact matches, in which:  
69 unique CDR3  
11 unique J



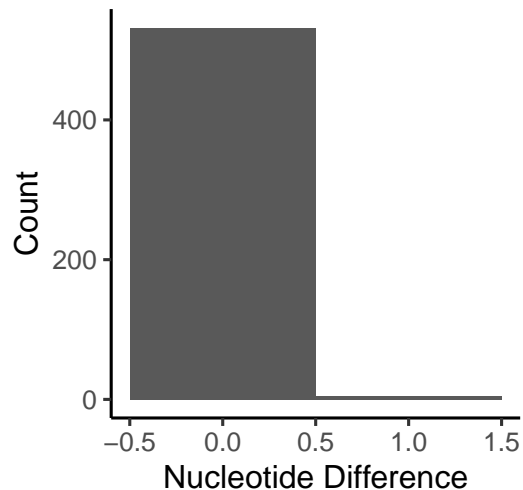
### TRBV19\*ap01

4026 sequences assigned  
3982 (98.9%) exact matches, in which:  
3943 unique CDR3  
13 unique J



### TRBV28\*ap01

537 sequences assigned  
532 (99.1%) exact matches, in which:  
529 unique CDR3  
13 unique J



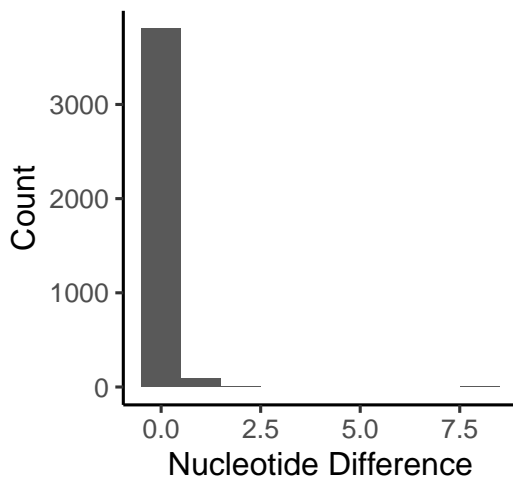
### TRBV17\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



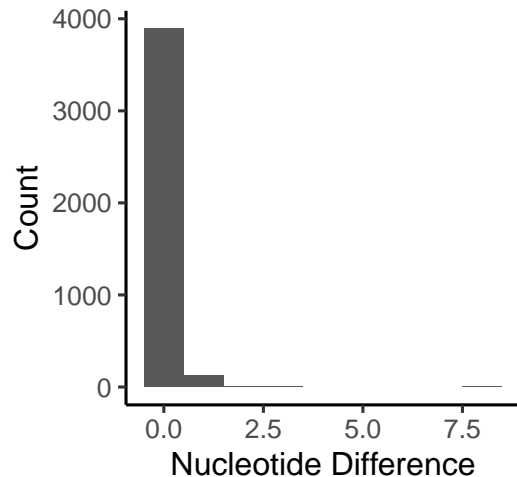
### TRBV2\*ap01

3905 sequences assigned  
3804 (97.4%) exact matches, in which:  
3715 unique CDR3  
13 unique J



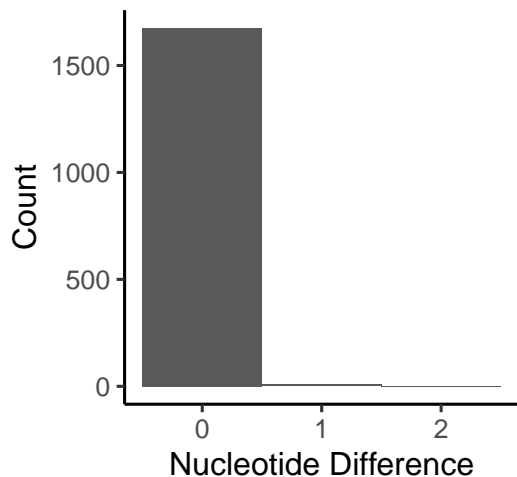
### TRBV30\*ap01

4030 sequences assigned  
3892 (96.6%) exact matches, in which:  
3775 unique CDR3  
13 unique J



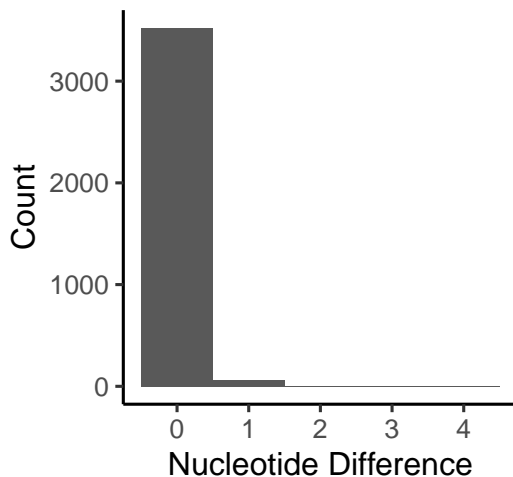
### TRBV18\*ap01

1685 sequences assigned  
1675 (99.4%) exact matches, in which:  
1663 unique CDR3  
13 unique J



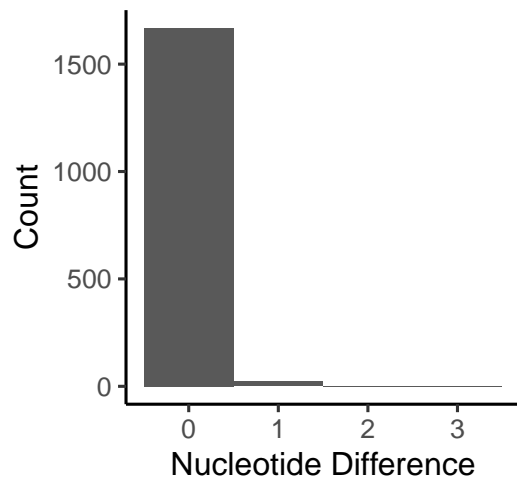
### TRBV27\*ap01

3592 sequences assigned  
3522 (98.1%) exact matches, in which:  
3487 unique CDR3  
13 unique J



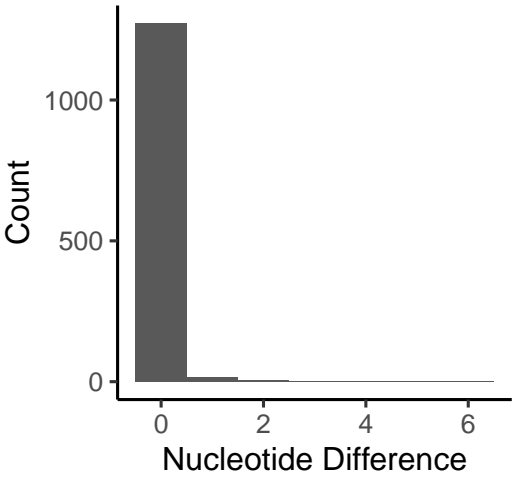
### TRBV9\*ap01

1693 sequences assigned  
1668 (98.5%) exact matches, in which:  
1650 unique CDR3  
13 unique J



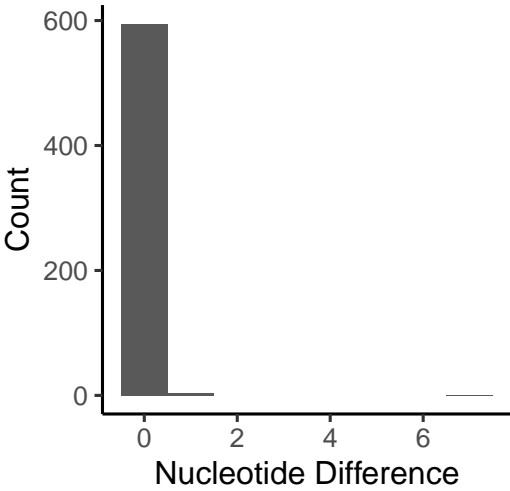
TRBV21-1\*ap01

1298 sequences assigned  
1272 (98%) exact matches, in which:  
1267 unique CDR3  
13 unique J



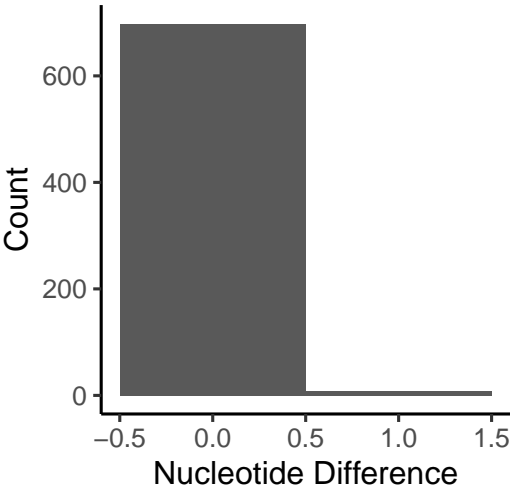
TRBV11-3\*ap01

600 sequences assigned  
595 (99.2%) exact matches, in which:  
592 unique CDR3  
13 unique J



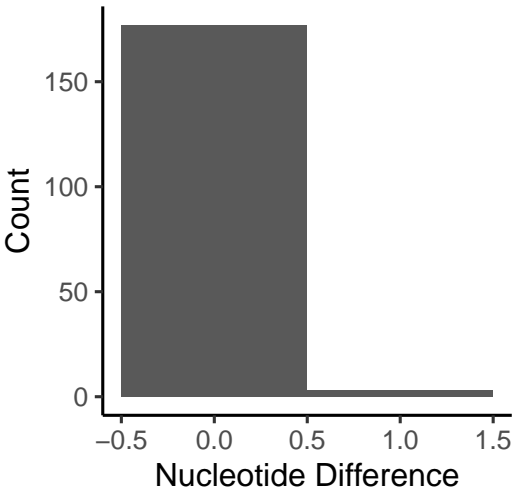
TRBV12-5\*ap01

707 sequences assigned  
698 (98.7%) exact matches, in which:  
693 unique CDR3  
13 unique J



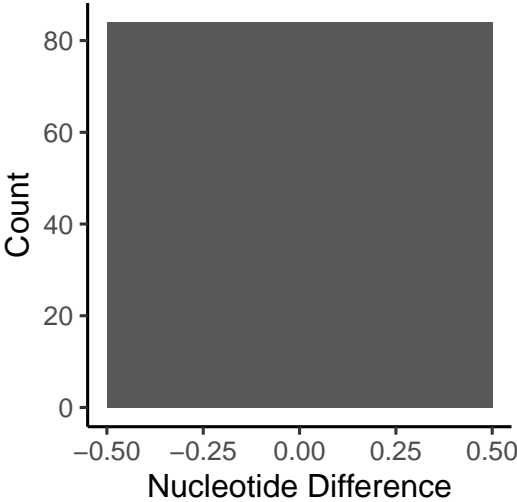
TRBV11-1\*ap01

180 sequences assigned  
177 (98.3%) exact matches, in which:  
173 unique CDR3  
12 unique J



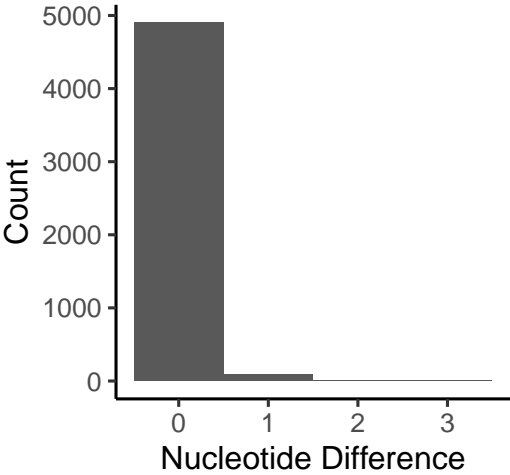
TRBV12-1\*ap01

84 sequences assigned  
84 (100%) exact matches, in which:  
83 unique CDR3  
12 unique J



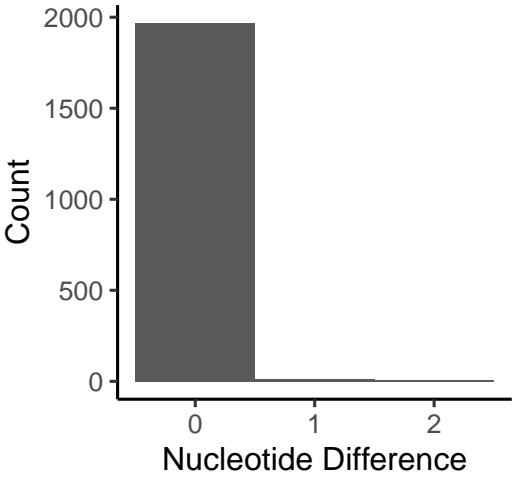
TRBV12-34\*ap01

4995 sequences assigned  
4901 (98.1%) exact matches, in which:  
4830 unique CDR3  
13 unique J



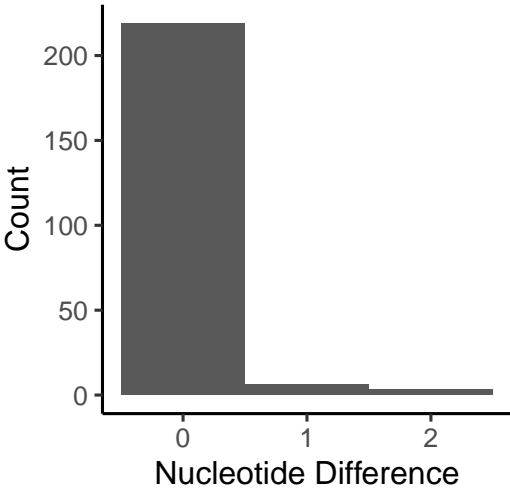
TRBV11-2\*ap01

1986 sequences assigned  
1968 (99.1%) exact matches, in which:  
1955 unique CDR3  
13 unique J



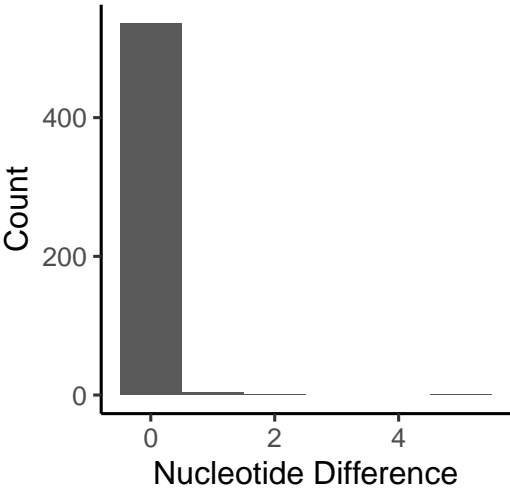
TRBV12-2\*ap01

228 sequences assigned  
219 (96.1%) exact matches, in which:  
215 unique CDR3  
12 unique J



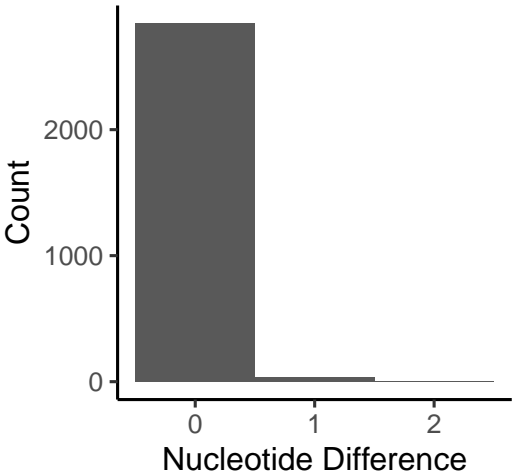
TRBV23-1\*ap01

541 sequences assigned  
536 (99.1%) exact matches, in which:  
531 unique CDR3  
13 unique J



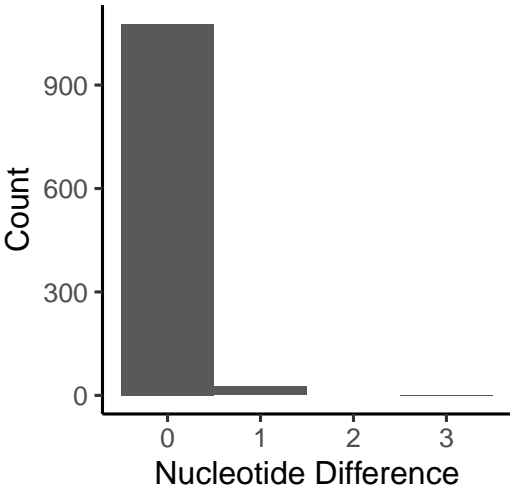
TRBV3-12\*ap01

2880 sequences assigned  
2843 (98.7%) exact matches, in which:  
2817 unique CDR3  
13 unique J



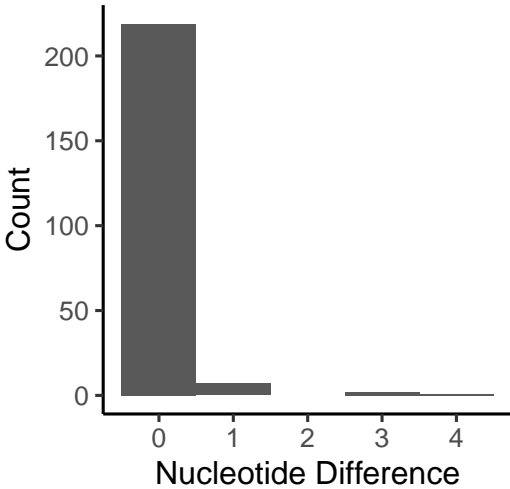
TRBV4-2\*ap01

1105 sequences assigned  
1078 (97.6%) exact matches, in which:  
1063 unique CDR3  
13 unique J



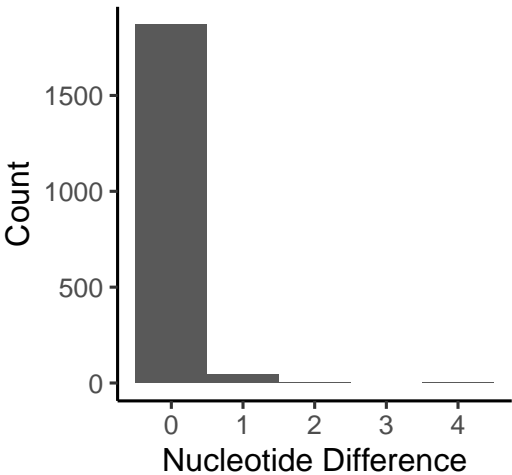
TRBV5-3\*ap01

229 sequences assigned  
219 (95.6%) exact matches, in which:  
216 unique CDR3  
12 unique J



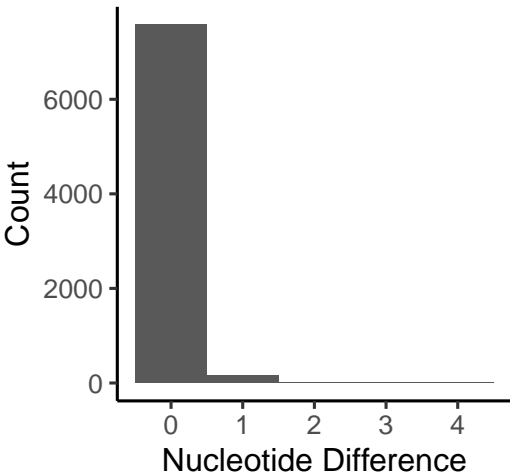
TRBV24-1\*ap01

1917 sequences assigned  
1869 (97.5%) exact matches, in which:  
1843 unique CDR3  
13 unique J



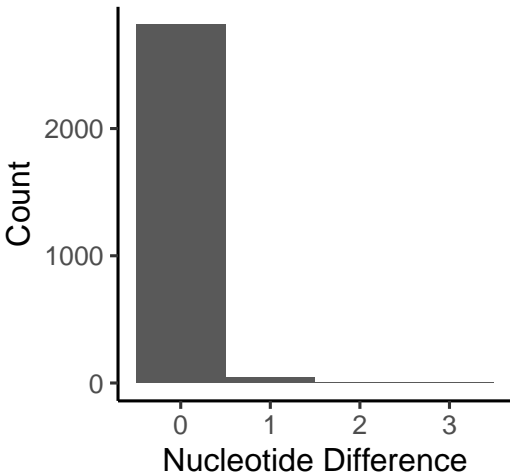
TRBV5-1\*ap01

7743 sequences assigned  
7577 (97.9%) exact matches, in which:  
7428 unique CDR3  
13 unique J



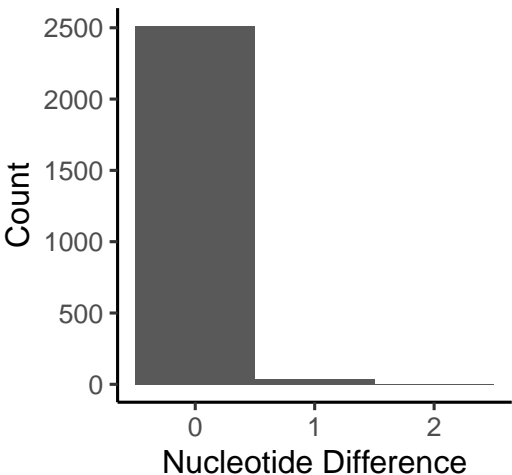
TRBV5-4\*ap01

2861 sequences assigned  
2816 (98.4%) exact matches, in which:  
2773 unique CDR3  
13 unique J



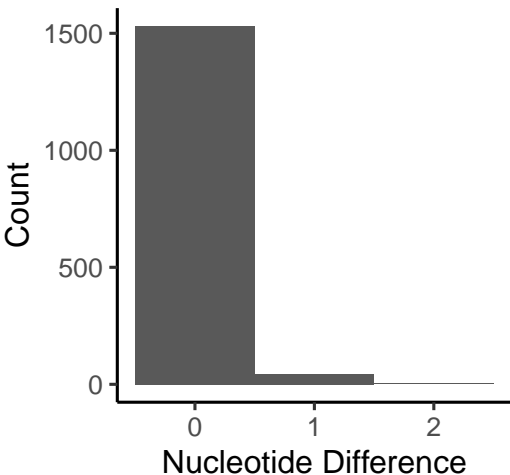
TRBV4-1\*ap01

2551 sequences assigned  
2512 (98.5%) exact matches, in which:  
2457 unique CDR3  
13 unique J



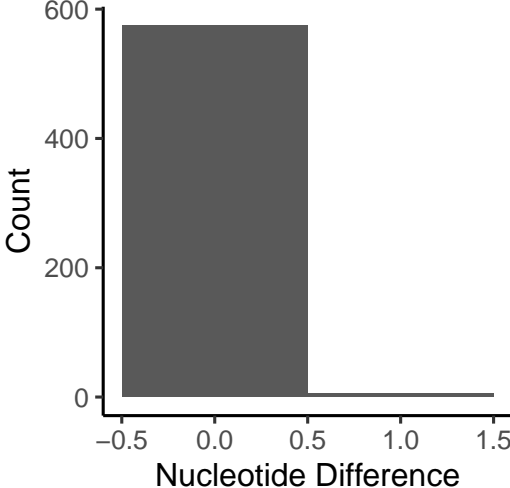
TRBV25-1\*ap01

1579 sequences assigned  
1531 (97%) exact matches, in which:  
1478 unique CDR3  
13 unique J



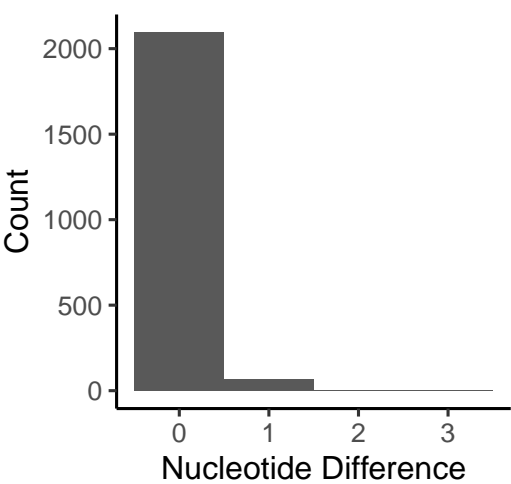
TRBV5-5\*ap01

580 sequences assigned  
575 (99.1%) exact matches, in which:  
571 unique CDR3  
12 unique J



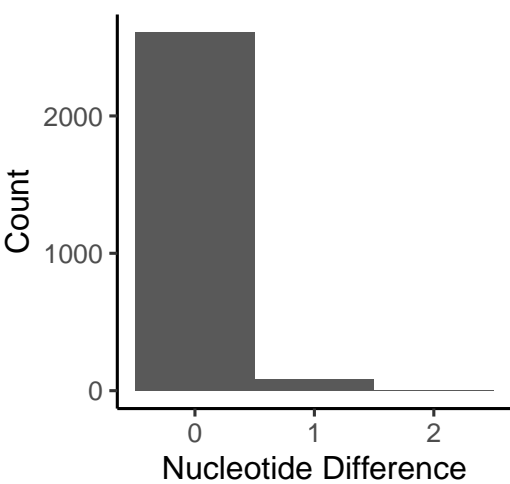
TRBV5-6\*ap01

2166 sequences assigned  
2095 (96.7%) exact matches, in which:  
2041 unique CDR3  
13 unique J



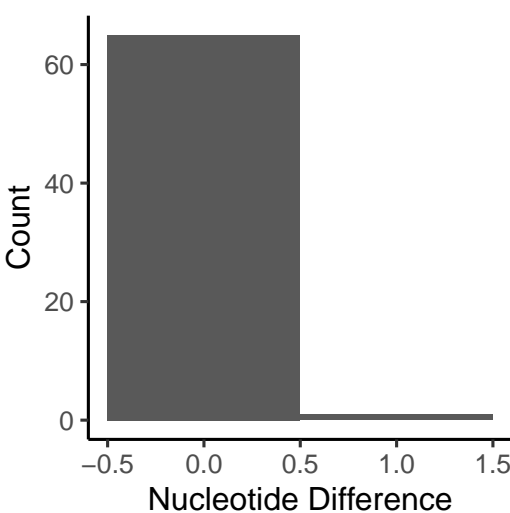
TRBV6-1\*ap01

2699 sequences assigned  
2608 (96.6%) exact matches, in which:  
2544 unique CDR3  
13 unique J



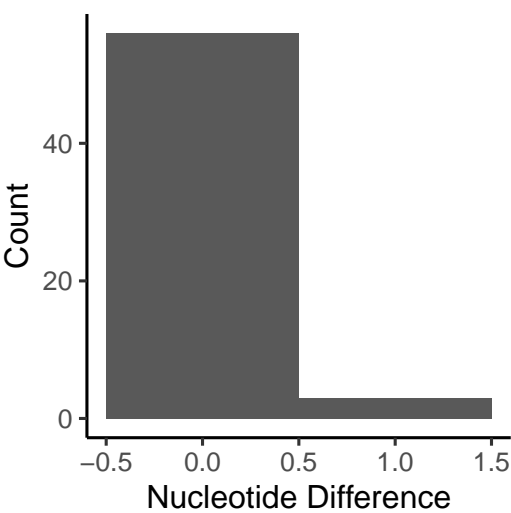
TRBV6-8\*ap01

66 sequences assigned  
65 (98.5%) exact matches, in which:  
64 unique CDR3  
12 unique J



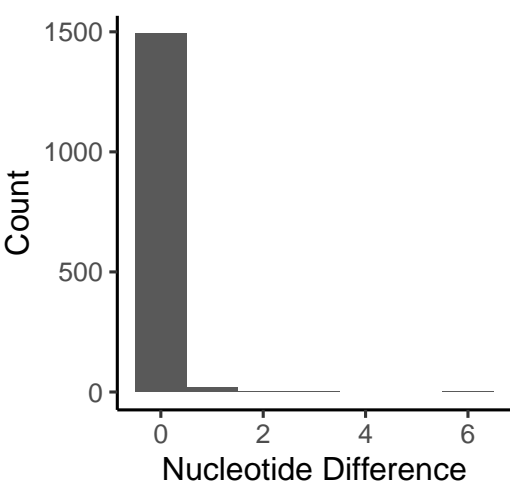
TRBV5-7\*ap01

59 sequences assigned  
56 (94.9%) exact matches, in which:  
53 unique CDR3  
12 unique J



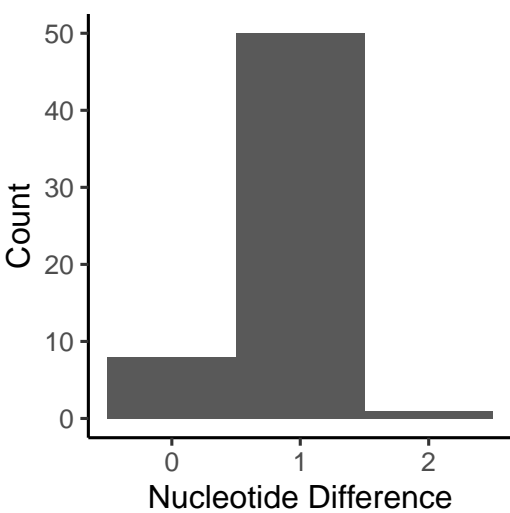
TRBV6-4\*ap01

1520 sequences assigned  
1492 (98.2%) exact matches, in which:  
1469 unique CDR3  
13 unique J



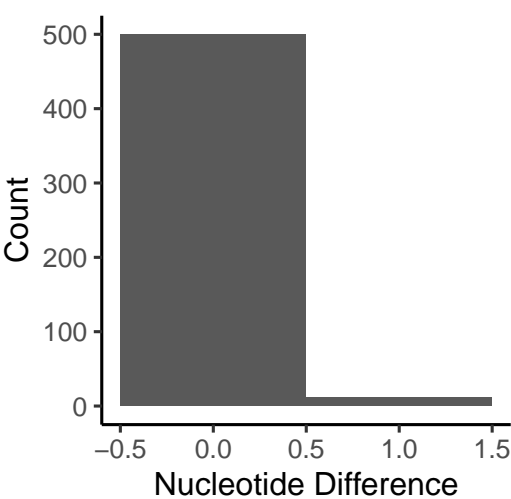
TRBV6-9\*ap01

59 sequences assigned  
8 (13.6%) exact matches, in which:  
8 unique CDR3  
6 unique J



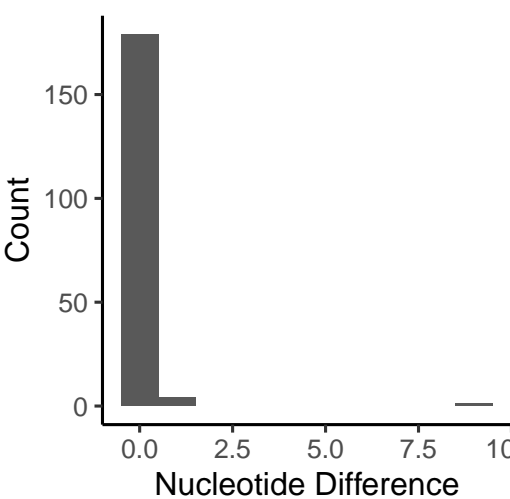
TRBV5-8\*ap01

512 sequences assigned  
500 (97.7%) exact matches, in which:  
498 unique CDR3  
13 unique J



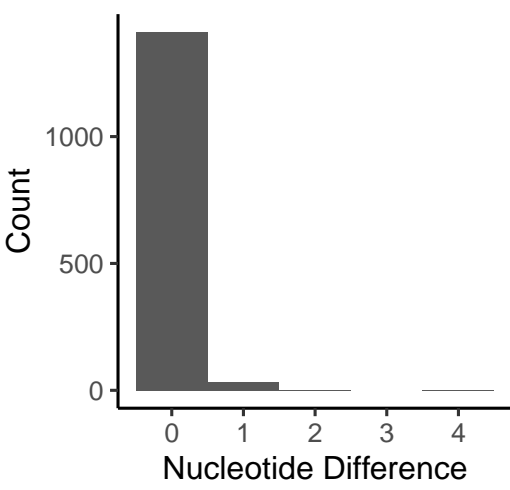
TRBV6-7\*ap01

184 sequences assigned  
179 (97.3%) exact matches, in which:  
177 unique CDR3  
13 unique J



TRBV6-23\*ap01

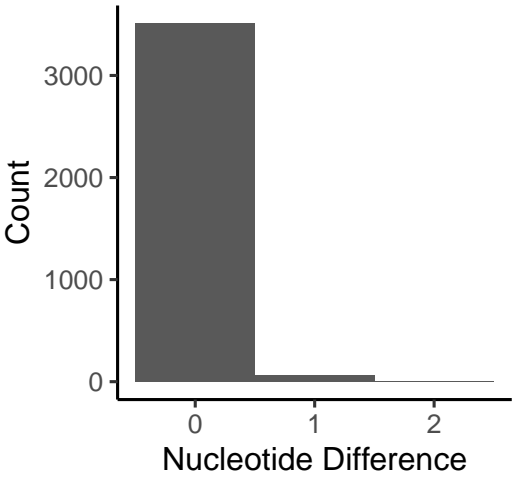
1447 sequences assigned  
1412 (97.6%) exact matches, in which:  
1362 unique CDR3  
13 unique J





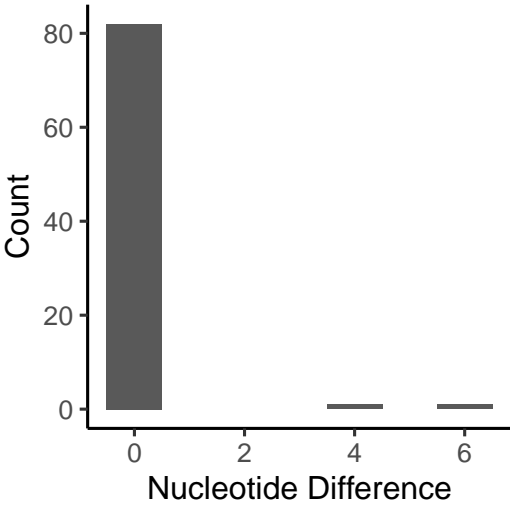
TRBV6-56\*ap01

3581 sequences assigned  
3510 (98%) exact matches, in which:  
3411 unique CDR3  
13 unique J



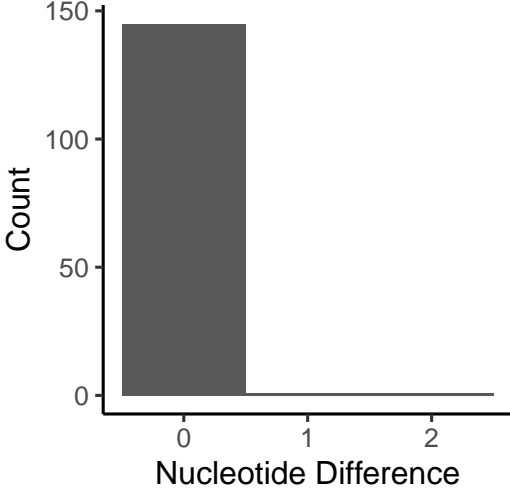
TRBV7-1\*ap01\_G291C\_T

84 sequences assigned  
82 (97.6%) exact matches, in which:  
82 unique CDR3  
11 unique J



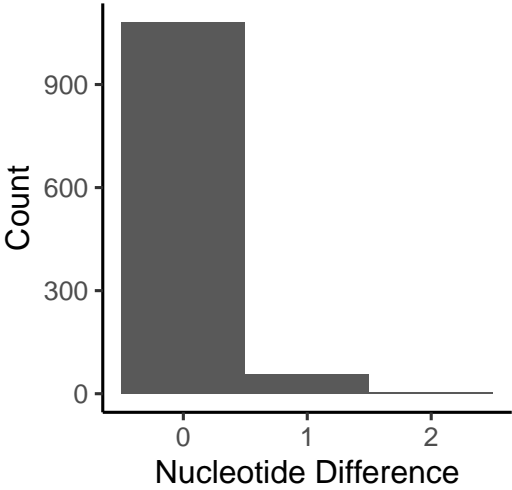
TRBV7-4\*ap01

147 sequences assigned  
145 (98.6%) exact matches, in which:  
141 unique CDR3  
12 unique J



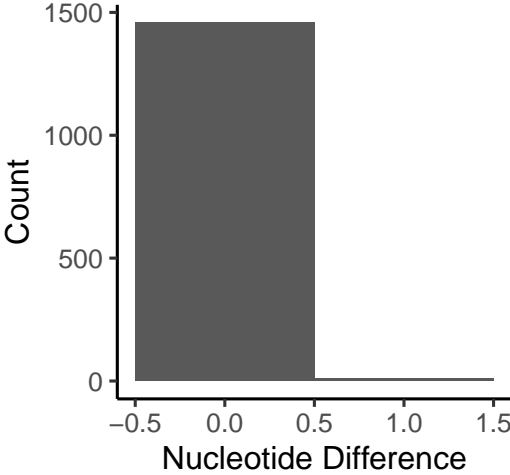
TRBV6-56\*ap02

1143 sequences assigned  
1082 (94.7%) exact matches, in which:  
1053 unique CDR3  
13 unique J



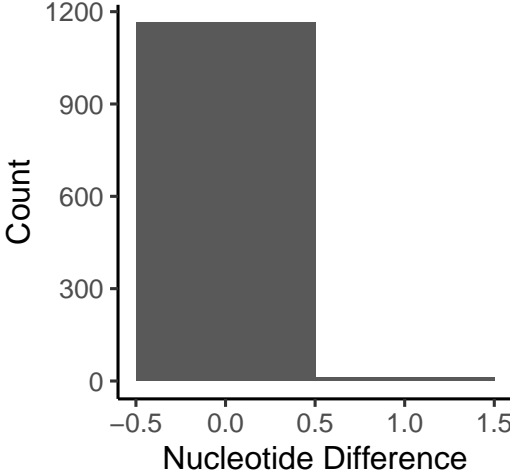
TRBV7-2\*ap01

1469 sequences assigned  
1458 (99.3%) exact matches, in which:  
1444 unique CDR3  
13 unique J



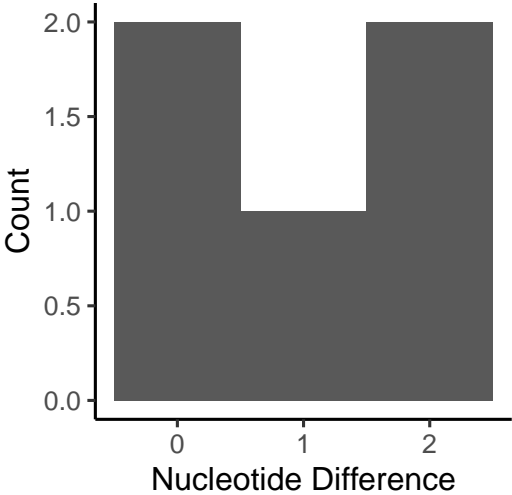
TRBV7-6\*ap01

1177 sequences assigned  
1164 (98.9%) exact matches, in which:  
1143 unique CDR3  
13 unique J



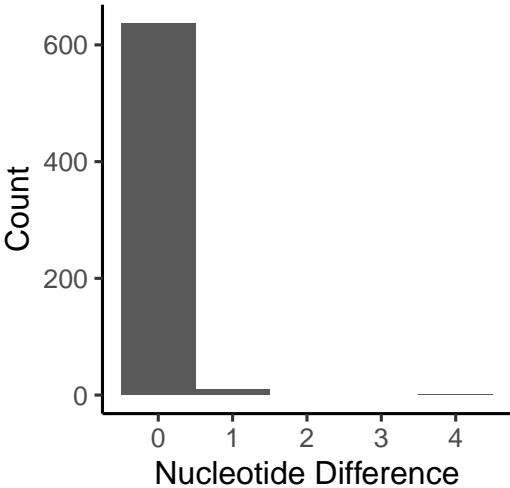
TRBV7-1\*ap01

5 sequences assigned  
2 (40%) exact matches, in which:  
2 unique CDR3  
2 unique J



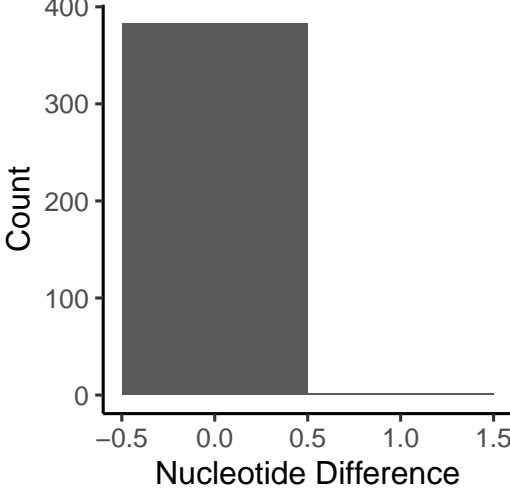
TRBV7-3\*ap03

647 sequences assigned  
637 (98.5%) exact matches, in which:  
632 unique CDR3  
13 unique J



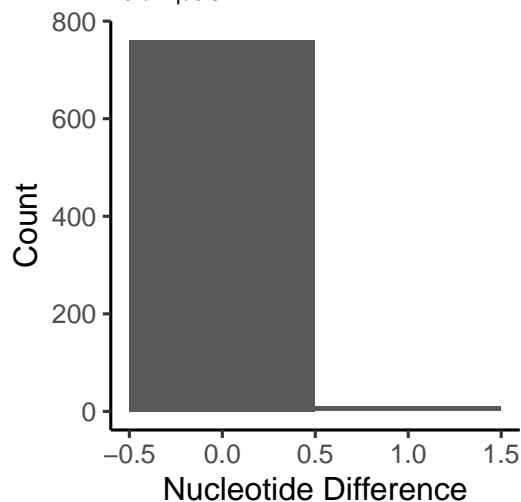
TRBV7-7\*ap01

385 sequences assigned  
383 (99.5%) exact matches, in which:  
379 unique CDR3  
12 unique J



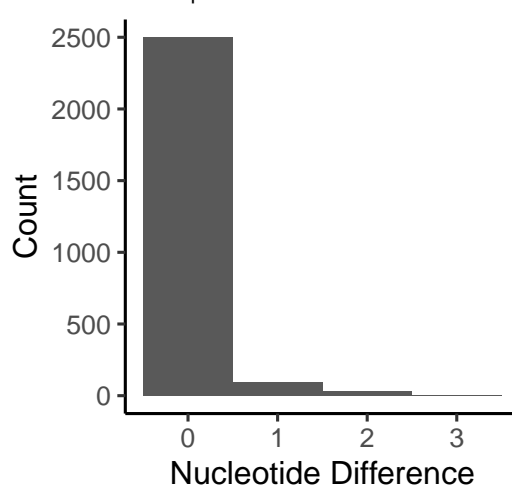
### TRBV7-8\*ap01

772 sequences assigned  
762 (98.7%) exact matches, in which:  
749 unique CDR3  
13 unique J



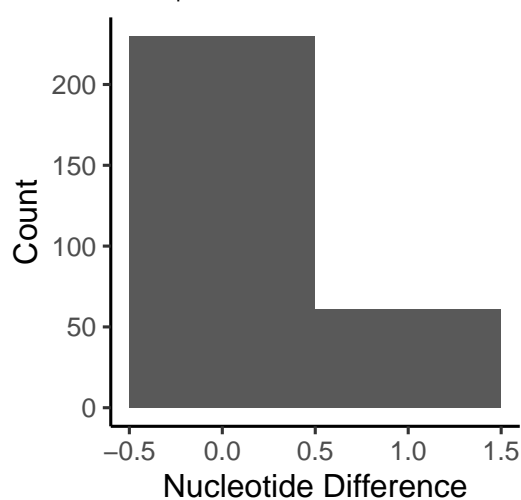
### TRBV29-1\*ap01

2628 sequences assigned  
2499 (95.1%) exact matches, in which:  
2402 unique CDR3  
13 unique J



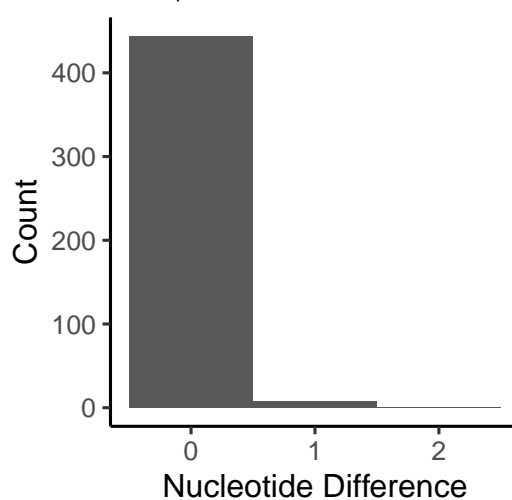
### TRBV7-8\*ap03

291 sequences assigned  
230 (79%) exact matches, in which:  
228 unique CDR3  
13 unique J



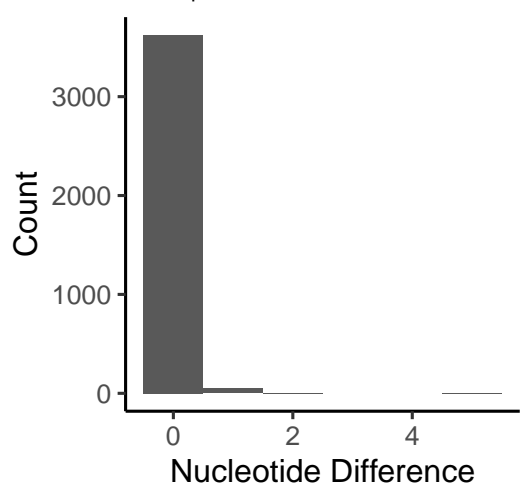
### TRBV29-1\*ap02

453 sequences assigned  
444 (98%) exact matches, in which:  
432 unique CDR3  
13 unique J

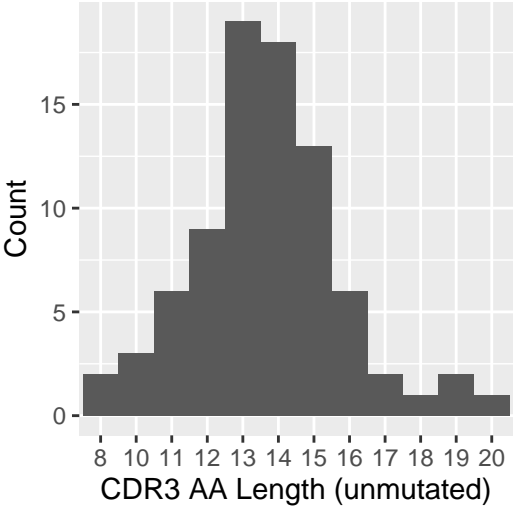


### TRBV7-9\*ap01

3676 sequences assigned  
3623 (98.6%) exact matches, in which:  
3587 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C\_C314T





[illegible]