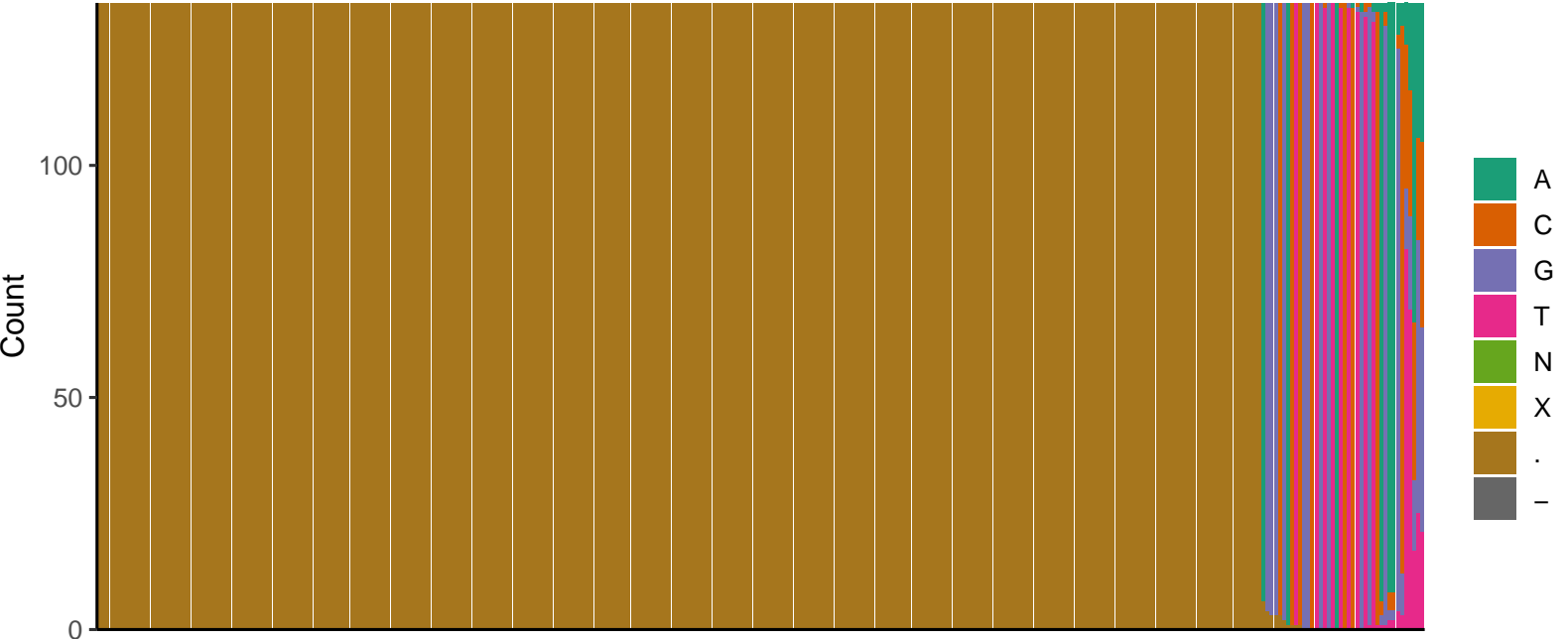


Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C\_C314T



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

Count

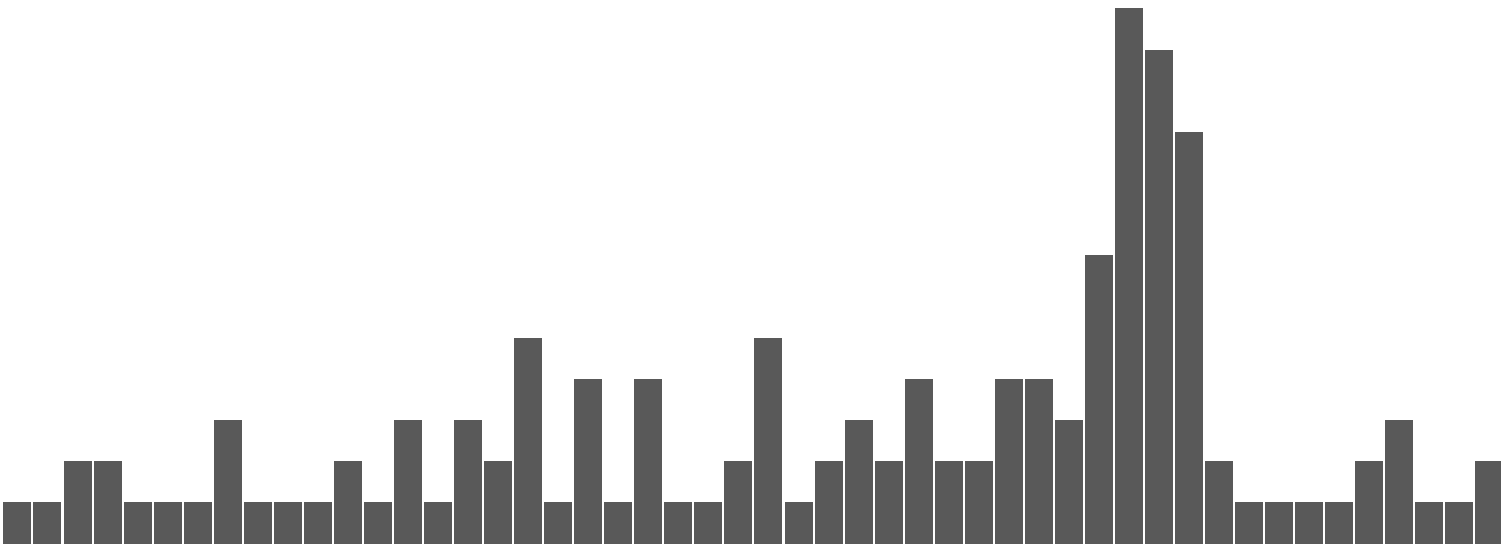
10

5

0

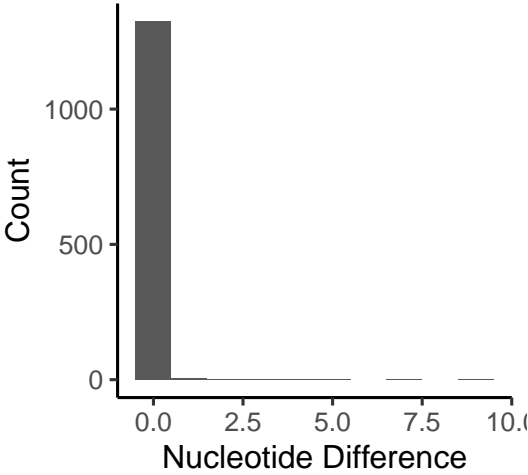
Triplet

TTT TTC TTA TTG TCG TAC TAA TAG TGT TGC TGA TGG CTT CTC CTA CTG CCT CCC CCA CCG CAC CAG CGT CGC CGA CGG ATT ATC ATA ATG ACC ACG AAT AAC AAA AAG AGT AGC AGA AGG GTT GTA GCT GCC GCG GAT GAC GAA GGA GGG



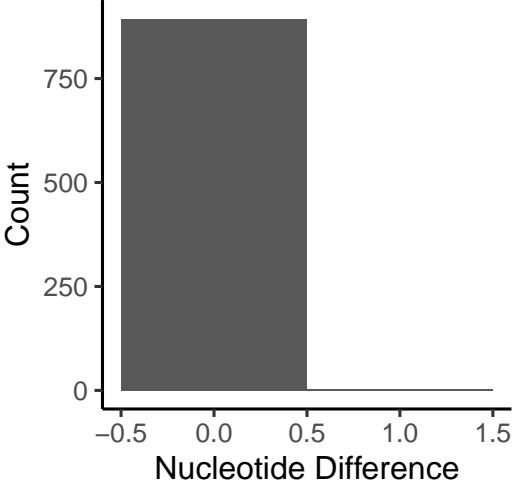
TRBV10-1\*ap01

1337 sequences assigned  
1324 (99%) exact matches, in which:  
1308 unique CDR3  
13 unique J



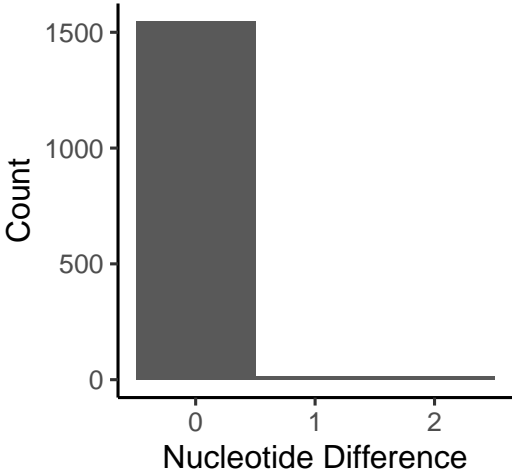
TRBV10-2\*ap01

898 sequences assigned  
894 (99.6%) exact matches, in which:  
882 unique CDR3  
13 unique J



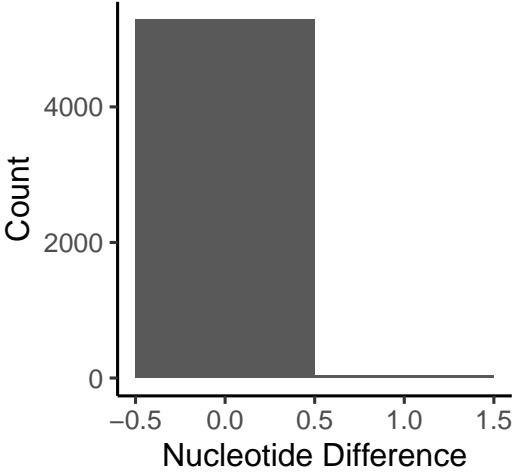
TRBV13\*ap01

1580 sequences assigned  
1547 (97.9%) exact matches, in which:  
1526 unique CDR3  
13 unique J



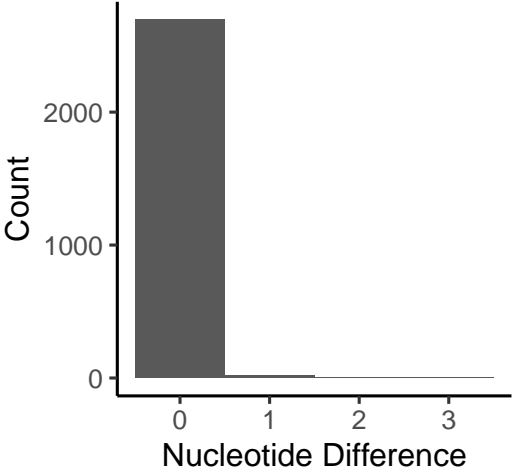
TRBV20-1\*ap01

5328 sequences assigned  
5286 (99.2%) exact matches, in which:  
5244 unique CDR3  
13 unique J



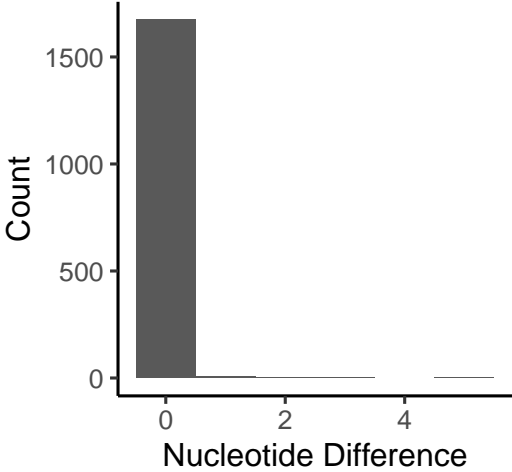
TRBV10-3\*ap01

2718 sequences assigned  
2695 (99.2%) exact matches, in which:  
2667 unique CDR3  
13 unique J



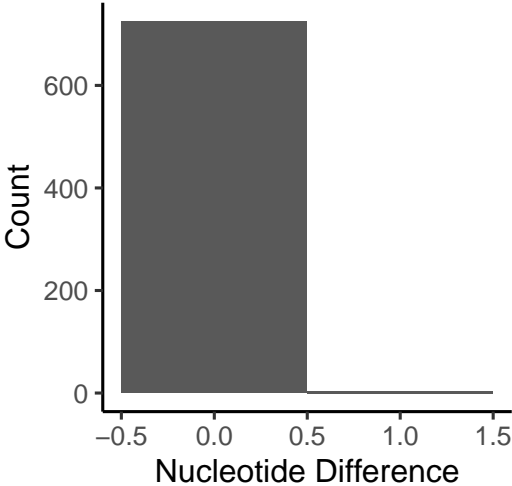
TRBV14\*ap01

1687 sequences assigned  
1674 (99.2%) exact matches, in which:  
1660 unique CDR3  
13 unique J



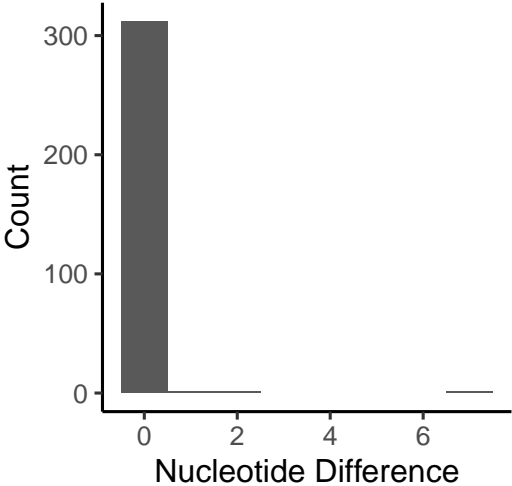
TRBV20-1\*ap02

729 sequences assigned  
725 (99.5%) exact matches, in which:  
716 unique CDR3  
13 unique J



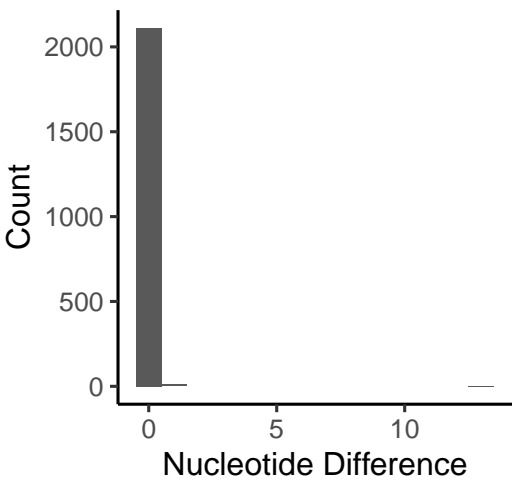
TRBV1\*ap01

315 sequences assigned  
312 (99%) exact matches, in which:  
303 unique CDR3  
13 unique J



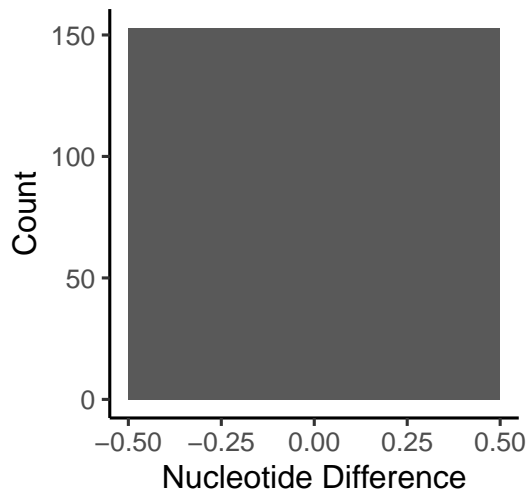
TRBV15\*ap02

2123 sequences assigned  
2111 (99.4%) exact matches, in which:  
2085 unique CDR3  
13 unique J



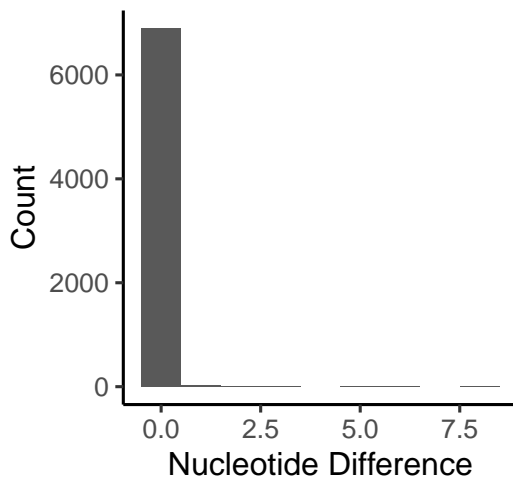
### TRBV16\*ap01

153 sequences assigned  
153 (100%) exact matches, in which:  
152 unique CDR3  
13 unique J



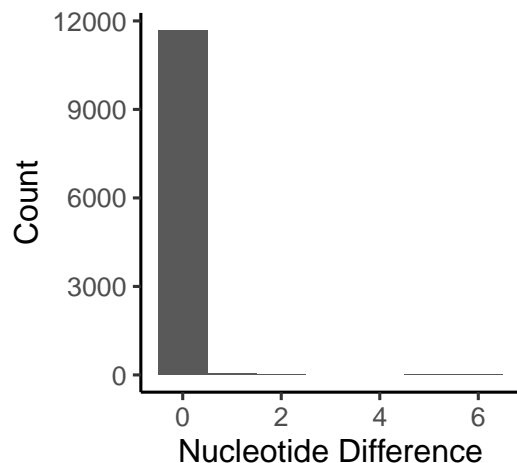
### TRBV19\*ap01

6934 sequences assigned  
6895 (99.4%) exact matches, in which:  
6854 unique CDR3  
13 unique J



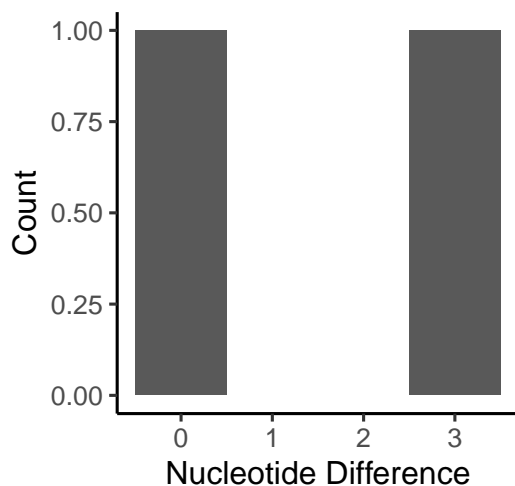
### TRBV28\*ap01

11750 sequences assigned  
11687 (99.5%) exact matches, in which:  
11602 unique CDR3  
13 unique J



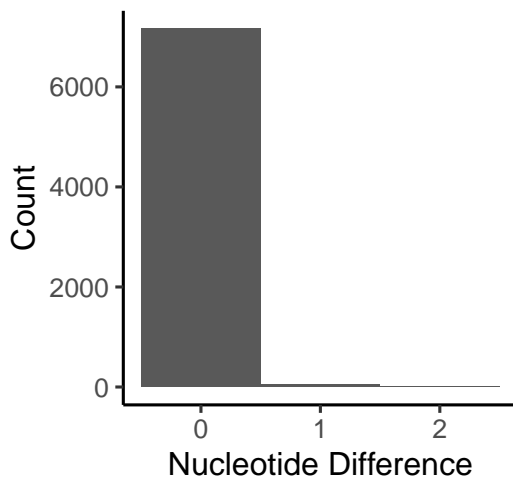
### TRBV17\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



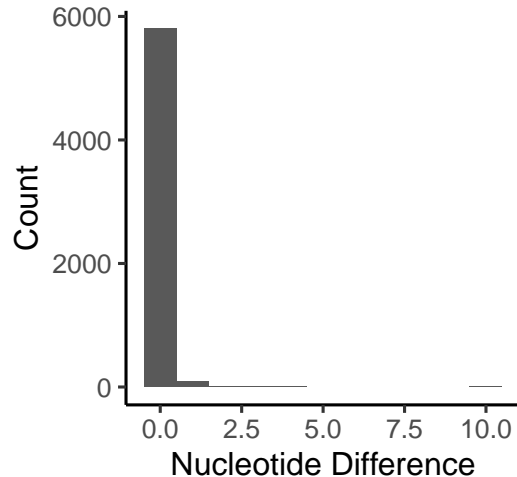
### TRBV2\*ap01

7213 sequences assigned  
7163 (99.3%) exact matches, in which:  
7100 unique CDR3  
13 unique J



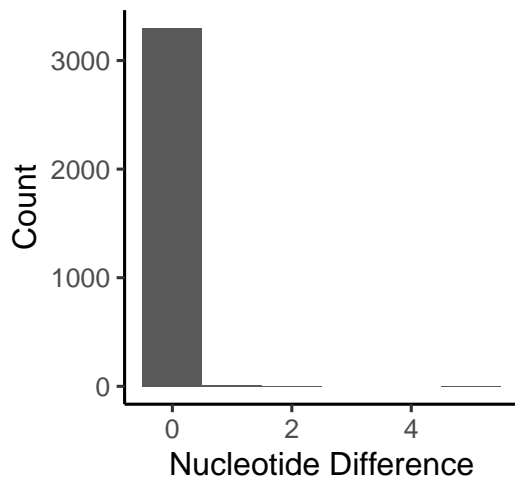
### TRBV30\*ap01

5903 sequences assigned  
5801 (98.3%) exact matches, in which:  
5696 unique CDR3  
13 unique J



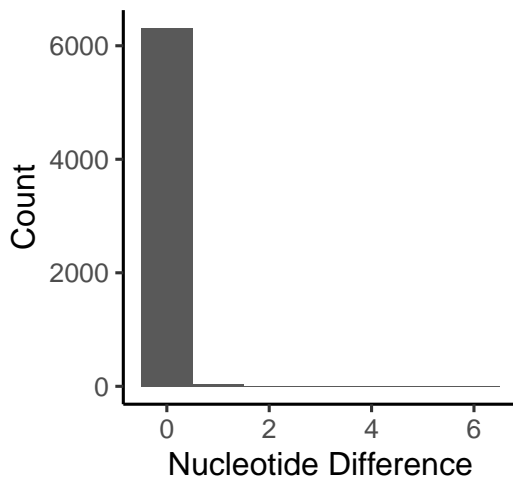
### TRBV18\*ap01

3316 sequences assigned  
3299 (99.5%) exact matches, in which:  
3282 unique CDR3  
13 unique J



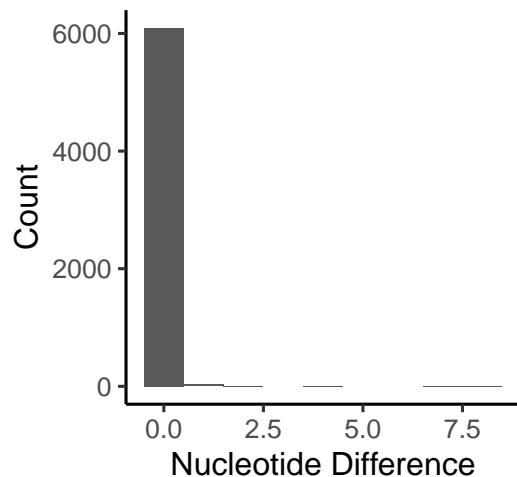
### TRBV27\*ap01

6365 sequences assigned  
6312 (99.2%) exact matches, in which:  
6235 unique CDR3  
13 unique J



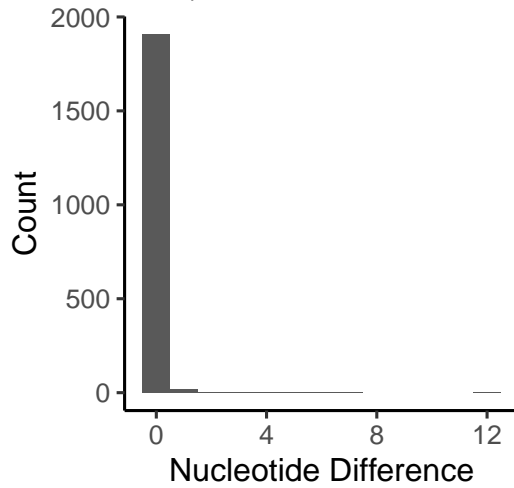
### TRBV9\*ap01

6129 sequences assigned  
6092 (99.4%) exact matches, in which:  
6049 unique CDR3  
13 unique J



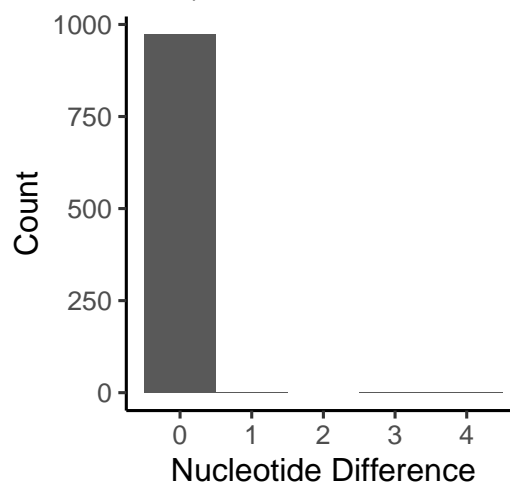
### TRBV21-1\*ap01

1938 sequences assigned  
1907 (98.4%) exact matches, in which:  
1900 unique CDR3  
13 unique J



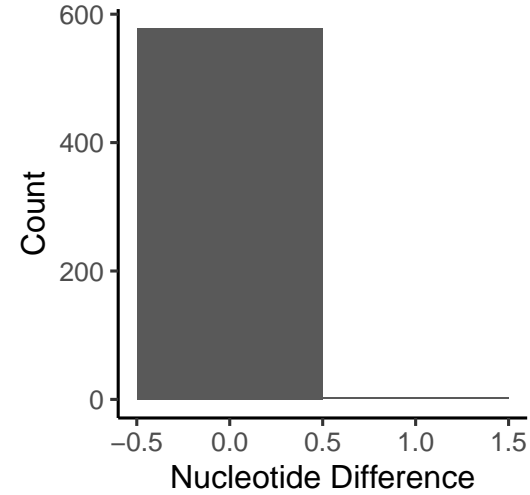
### TRBV11-3\*ap01

977 sequences assigned  
973 (99.6%) exact matches, in which:  
970 unique CDR3  
13 unique J



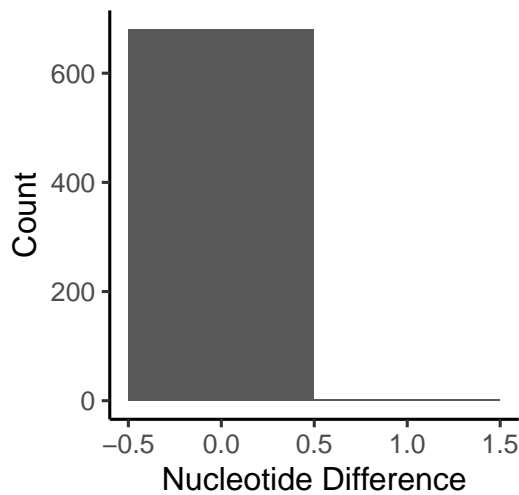
### TRBV12-5\*ap01

582 sequences assigned  
579 (99.5%) exact matches, in which:  
575 unique CDR3  
13 unique J



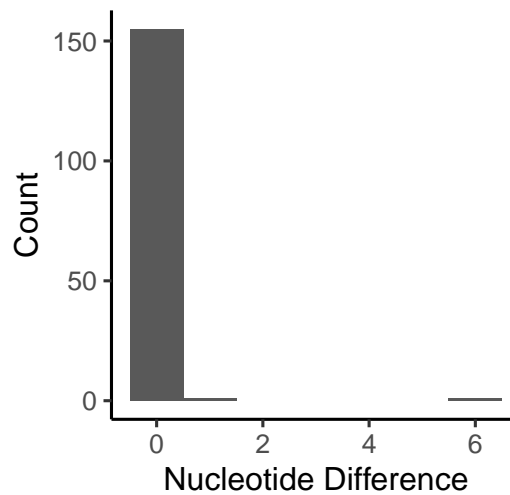
### TRBV11-1\*ap01

684 sequences assigned  
681 (99.6%) exact matches, in which:  
676 unique CDR3  
13 unique J



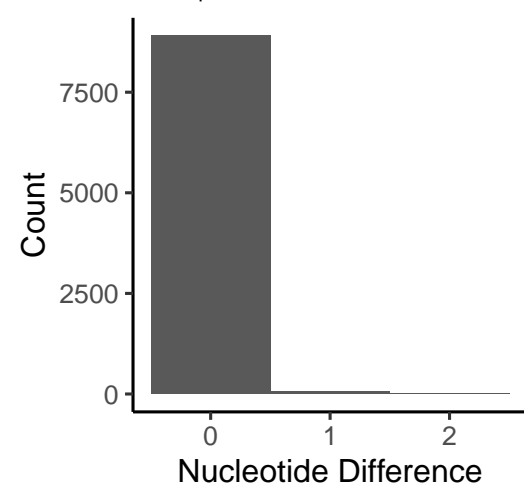
### TRBV12-1\*ap01

157 sequences assigned  
155 (98.7%) exact matches, in which:  
155 unique CDR3  
12 unique J



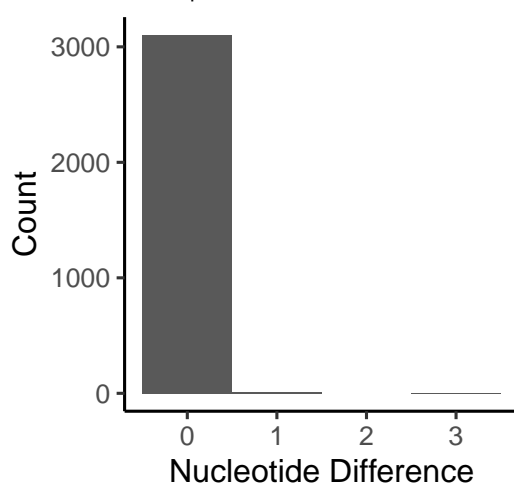
### TRBV12-34\*ap01

8973 sequences assigned  
8904 (99.2%) exact matches, in which:  
8825 unique CDR3  
13 unique J



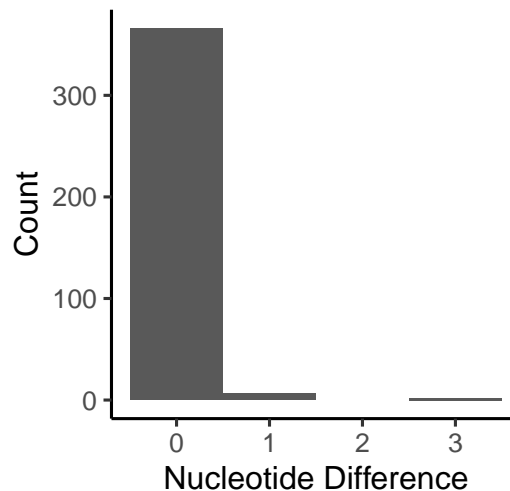
### TRBV11-2\*ap01

3113 sequences assigned  
3102 (99.6%) exact matches, in which:  
3078 unique CDR3  
13 unique J



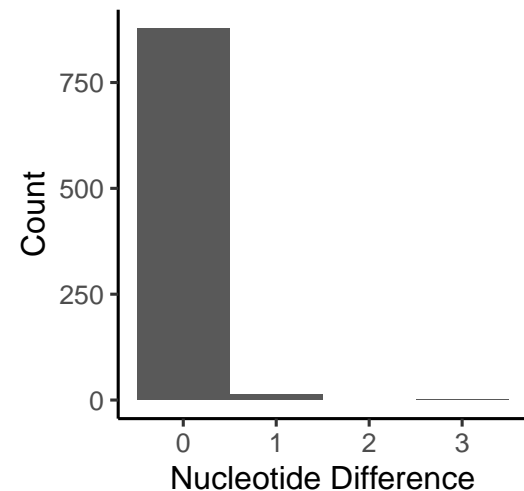
### TRBV12-2\*ap01

374 sequences assigned  
366 (97.9%) exact matches, in which:  
364 unique CDR3  
13 unique J



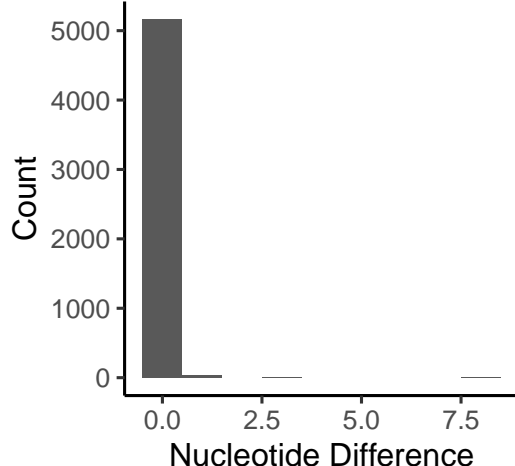
### TRBV23-1\*ap01

891 sequences assigned  
878 (98.5%) exact matches, in which:  
873 unique CDR3  
13 unique J



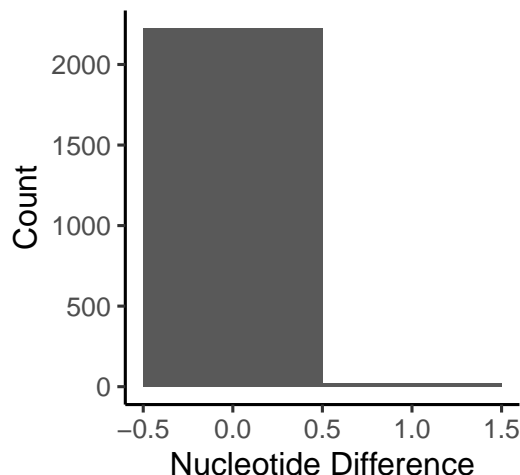
### TRBV3–12\*ap01

5206 sequences assigned  
5162 (99.2%) exact matches, in which:  
5133 unique CDR3  
13 unique J



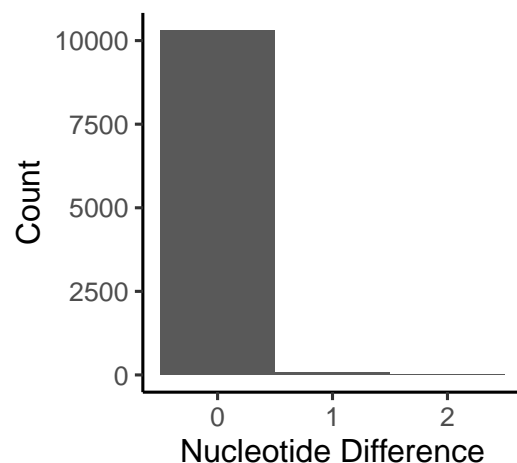
### TRBV4–2\*ap01

2246 sequences assigned  
2224 (99%) exact matches, in which:  
2201 unique CDR3  
13 unique J



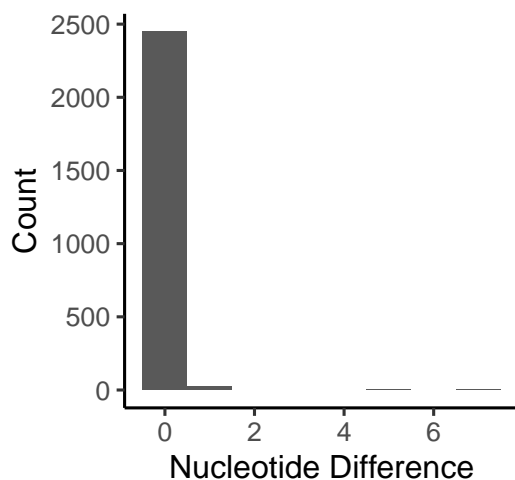
### TRBV5–1\*ap01

10382 sequences assigned  
10313 (99.3%) exact matches, in which:  
10185 unique CDR3  
13 unique J



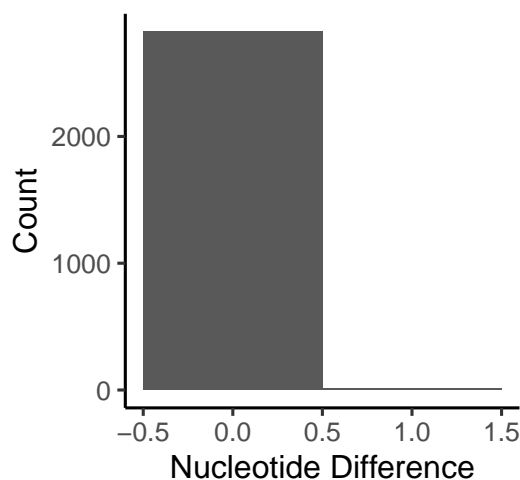
### TRBV4–1\*ap01

2473 sequences assigned  
2448 (99%) exact matches, in which:  
2411 unique CDR3  
13 unique J



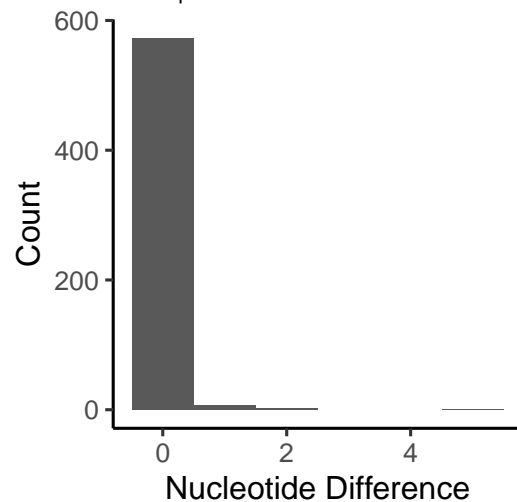
### TRBV4–3\*ap01

2839 sequences assigned  
2826 (99.5%) exact matches, in which:  
2795 unique CDR3  
13 unique J



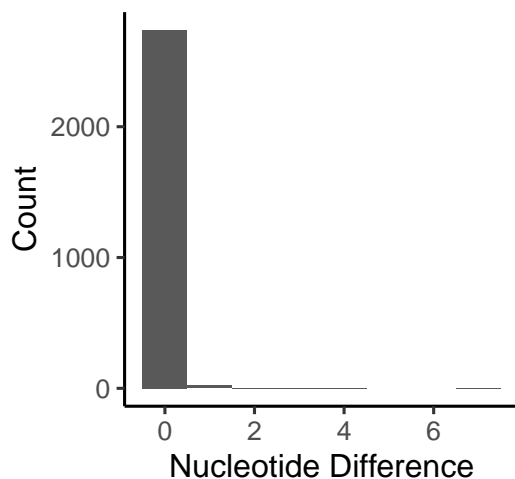
### TRBV5–3\*ap01

583 sequences assigned  
573 (98.3%) exact matches, in which:  
569 unique CDR3  
13 unique J



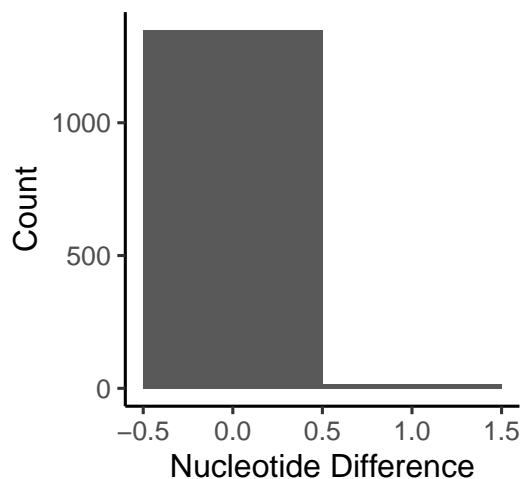
### TRBV24–1\*ap01

2766 sequences assigned  
2739 (99%) exact matches, in which:  
2709 unique CDR3  
13 unique J



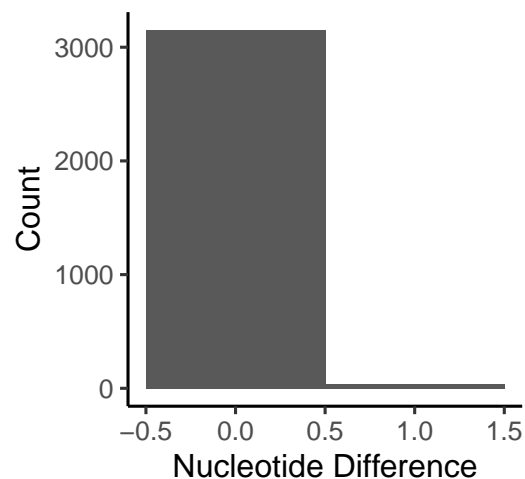
### TRBV25–1\*ap01

1365 sequences assigned  
1349 (98.8%) exact matches, in which:  
1337 unique CDR3  
13 unique J



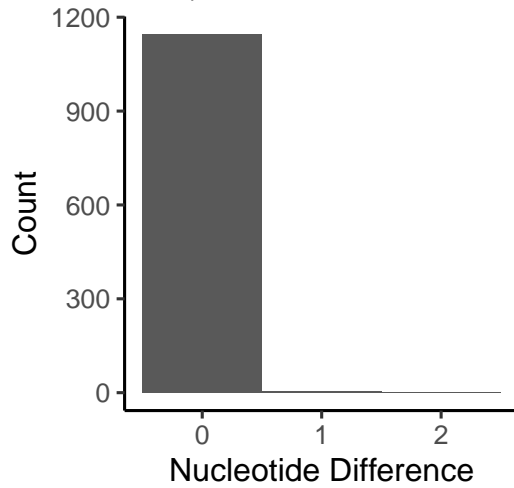
### TRBV5–4\*ap01

3188 sequences assigned  
3151 (98.8%) exact matches, in which:  
3123 unique CDR3  
13 unique J



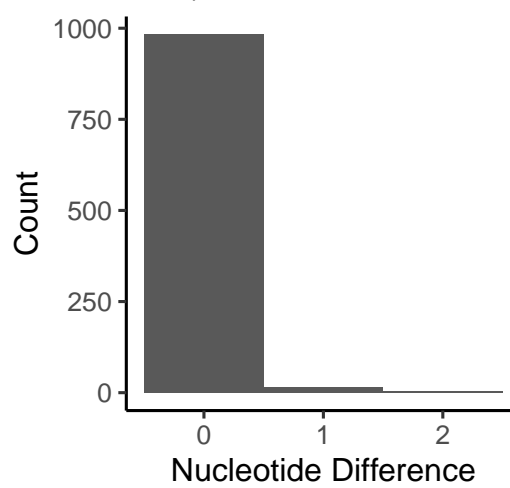
### TRBV5-5\*ap01

1151 sequences assigned  
1145 (99.5%) exact matches, in which:  
1139 unique CDR3  
13 unique J



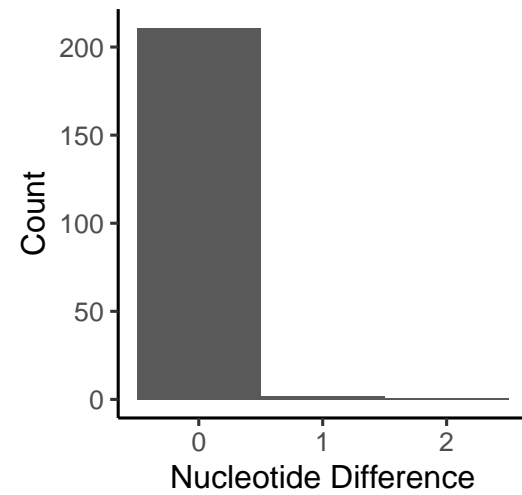
### TRBV5-8\*ap01

1001 sequences assigned  
983 (98.2%) exact matches, in which:  
973 unique CDR3  
13 unique J



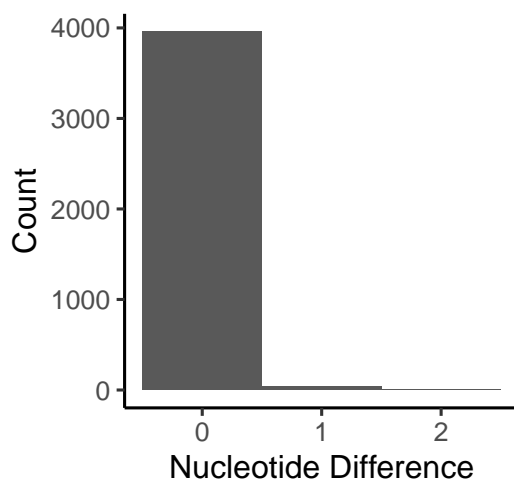
### TRBV6-7\*ap01

214 sequences assigned  
211 (98.6%) exact matches, in which:  
210 unique CDR3  
13 unique J



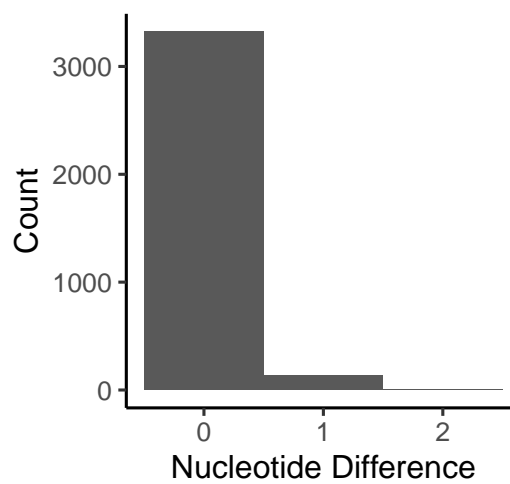
### TRBV5-6\*ap01

3994 sequences assigned  
3958 (99.1%) exact matches, in which:  
3878 unique CDR3  
13 unique J



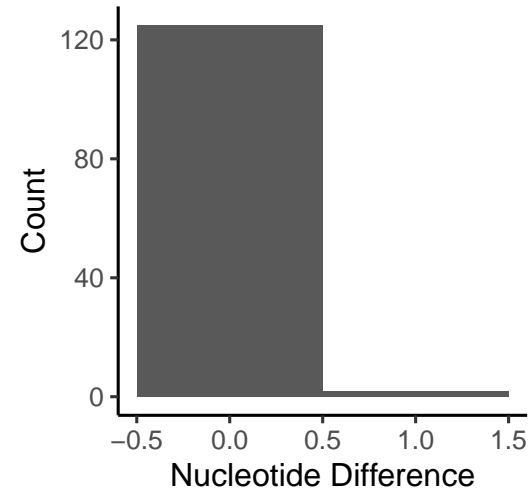
### TRBV6-1\*ap01

3454 sequences assigned  
3322 (96.2%) exact matches, in which:  
3284 unique CDR3  
13 unique J



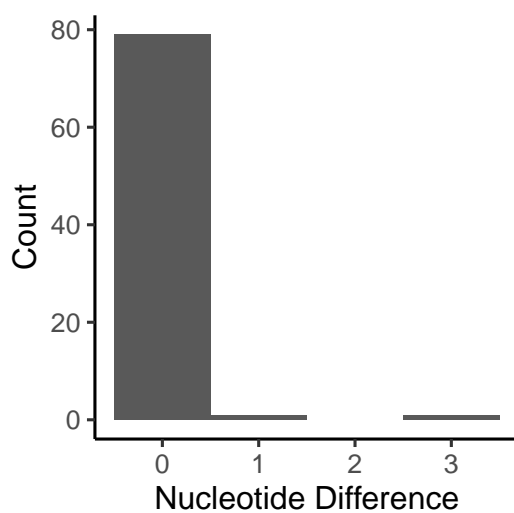
### TRBV6-8\*ap01

127 sequences assigned  
125 (98.4%) exact matches, in which:  
118 unique CDR3  
13 unique J



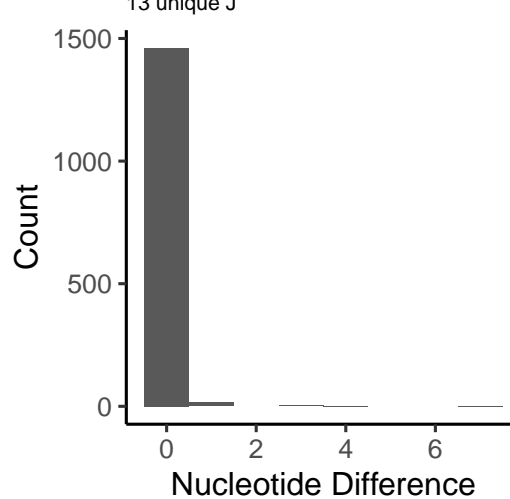
### TRBV5-7\*ap01

81 sequences assigned  
79 (97.5%) exact matches, in which:  
79 unique CDR3  
12 unique J



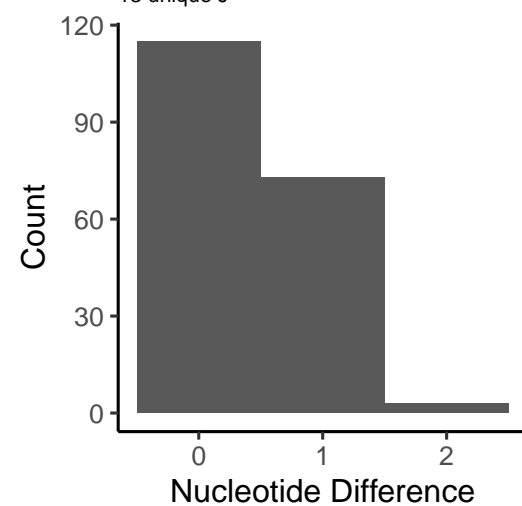
### TRBV6-4\*ap01

1482 sequences assigned  
1461 (98.6%) exact matches, in which:  
1452 unique CDR3  
13 unique J



### TRBV6-9\*ap01

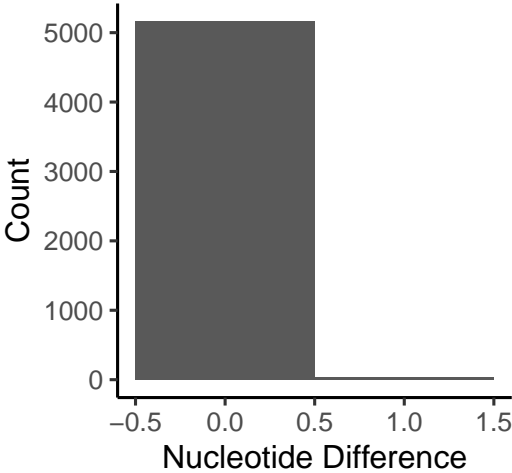
191 sequences assigned  
115 (60.2%) exact matches, in which:  
114 unique CDR3  
13 unique J





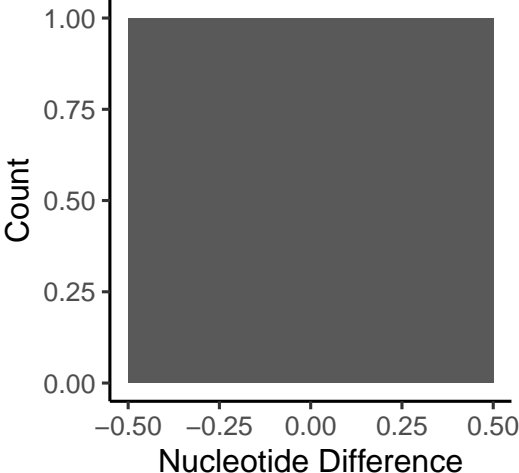
TRBV6-23\*ap01

5199 sequences assigned  
5162 (99.3%) exact matches, in which:  
5085 unique CDR3  
13 unique J



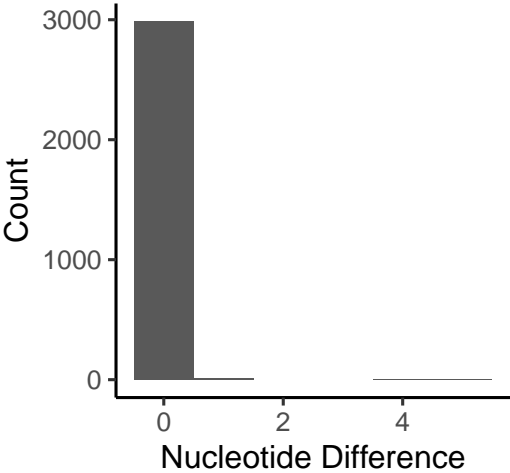
TRBV7-1\*ap01

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



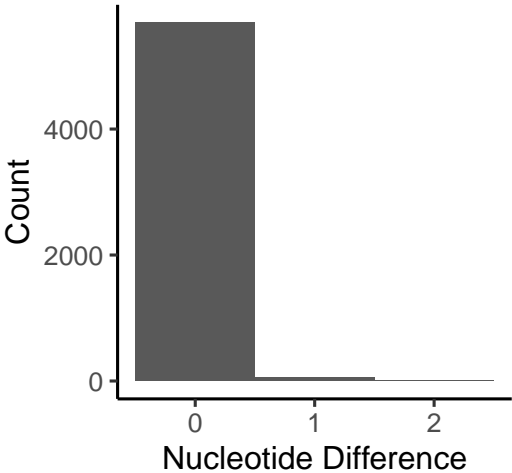
TRBV7-3\*ap01

3004 sequences assigned  
2986 (99.4%) exact matches, in which:  
2963 unique CDR3  
13 unique J



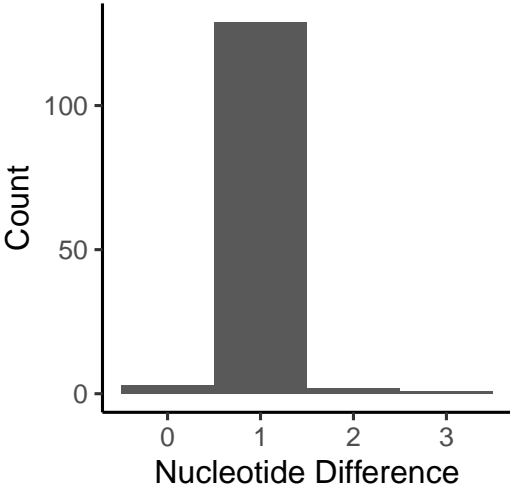
TRBV6-56\*ap01

5748 sequences assigned  
5688 (99%) exact matches, in which:  
5601 unique CDR3  
13 unique J



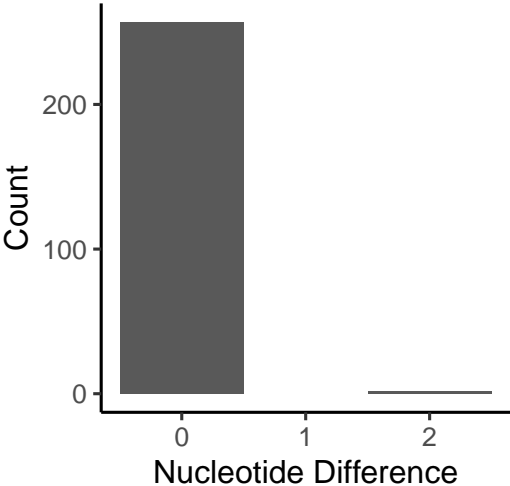
TRBV7-1\*ap01\_T296C\_()

135 sequences assigned  
3 (2.2%) exact matches, in which:  
3 unique CDR3  
3 unique J



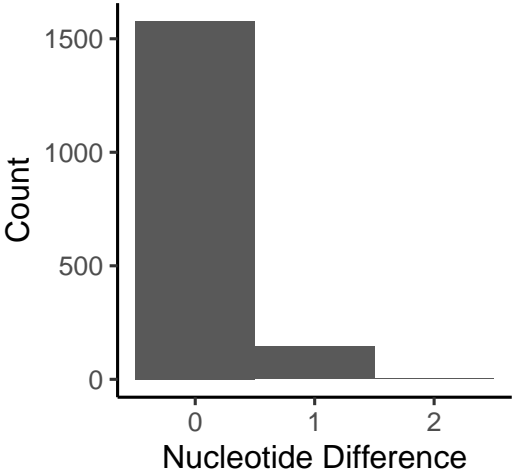
TRBV7-4\*ap01

259 sequences assigned  
257 (99.2%) exact matches, in which:  
253 unique CDR3  
13 unique J



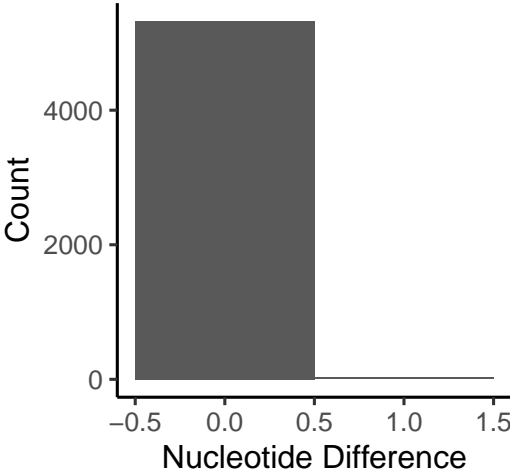
TRBV6-56\*ap02

1726 sequences assigned  
1578 (91.4%) exact matches, in which:  
1562 unique CDR3  
13 unique J



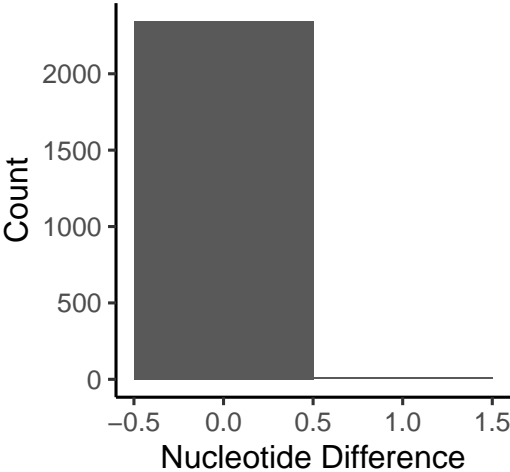
TRBV7-2\*ap01

5352 sequences assigned  
5325 (99.5%) exact matches, in which:  
5283 unique CDR3  
13 unique J



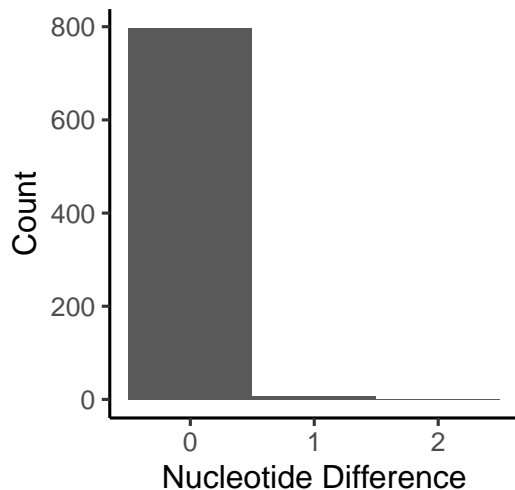
TRBV7-6\*ap01

2358 sequences assigned  
2345 (99.4%) exact matches, in which:  
2324 unique CDR3  
13 unique J



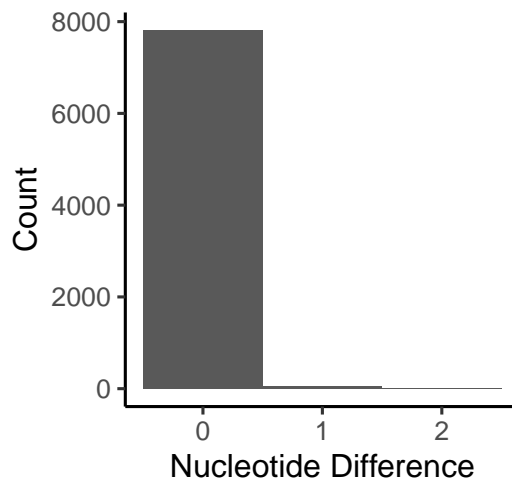
### TRBV7-7\*ap01

807 sequences assigned  
798 (98.9%) exact matches, in which:  
788 unique CDR3  
13 unique J



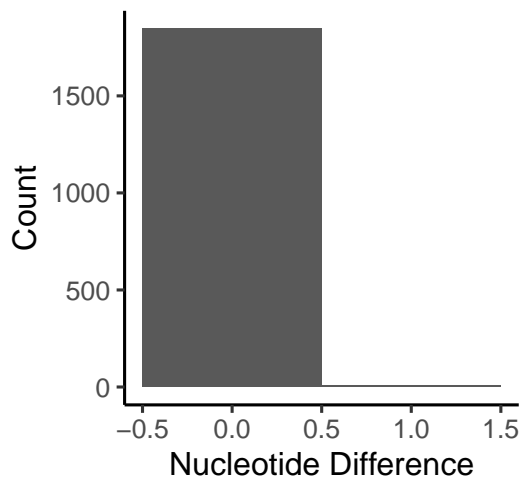
### TRBV7-9\*ap01

7858 sequences assigned  
7809 (99.4%) exact matches, in which:  
7734 unique CDR3  
13 unique J



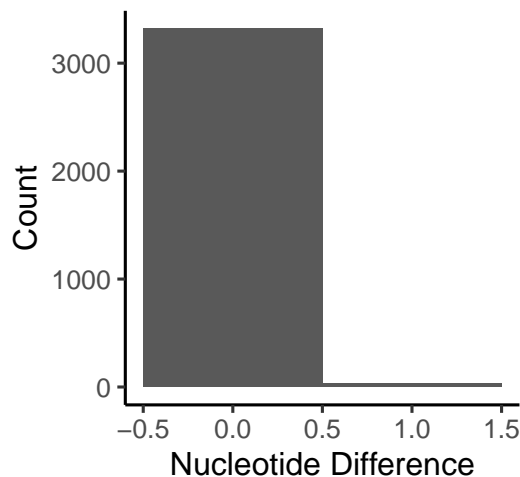
### TRBV7-8\*ap01

1856 sequences assigned  
1846 (99.5%) exact matches, in which:  
1832 unique CDR3  
13 unique J



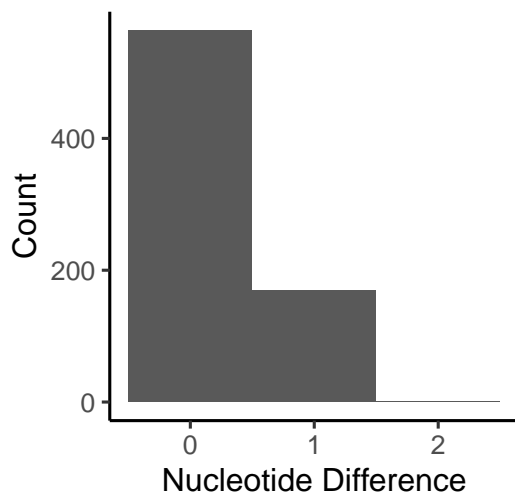
### TRBV29-1\*ap01

3356 sequences assigned  
3319 (98.9%) exact matches, in which:  
3243 unique CDR3  
13 unique J



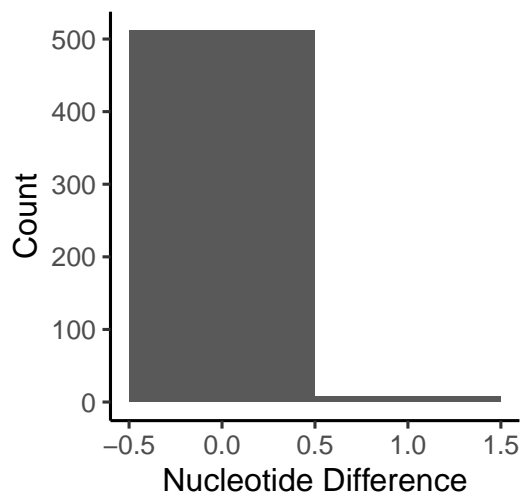
### TRBV7-8\*ap03

734 sequences assigned  
564 (76.8%) exact matches, in which:  
558 unique CDR3  
13 unique J



### TRBV29-1\*ap02

519 sequences assigned  
512 (98.7%) exact matches, in which:  
501 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C\_C314T

