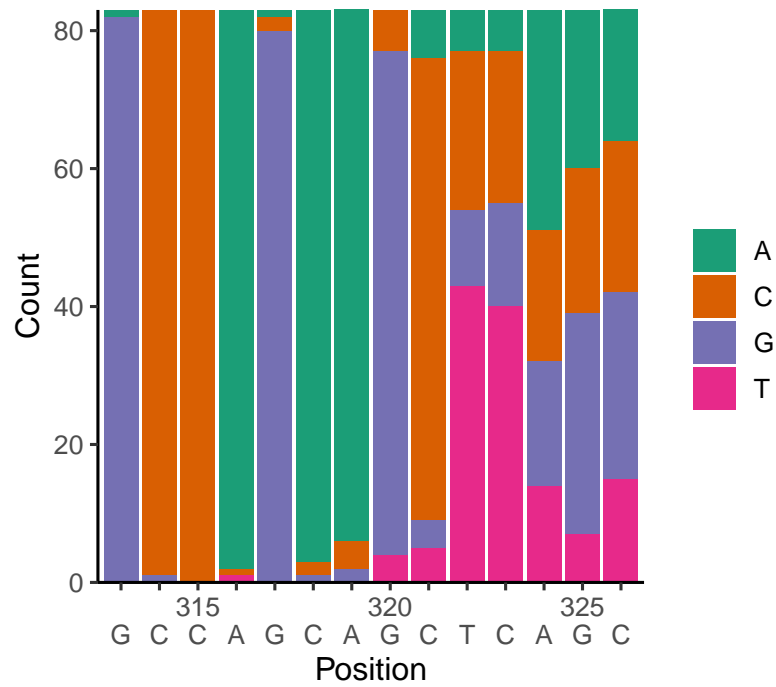
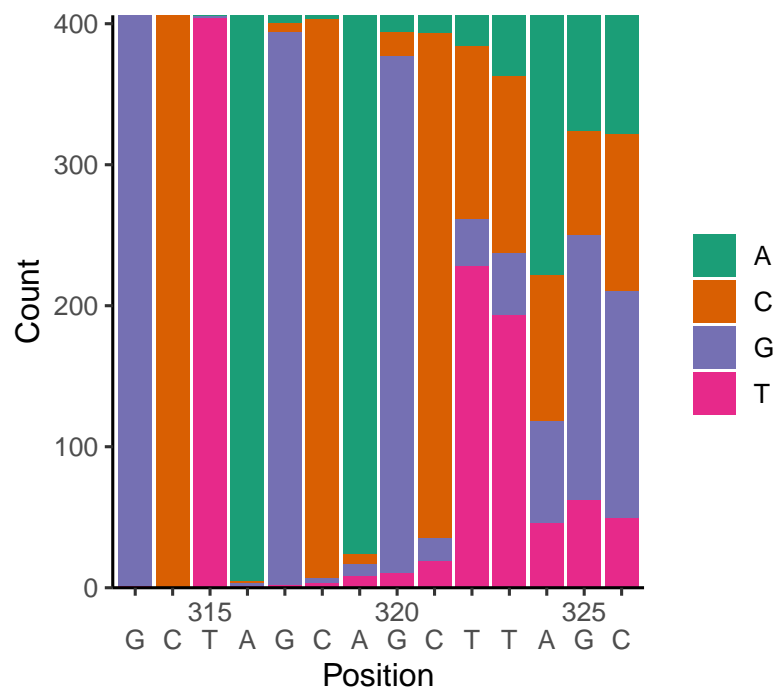


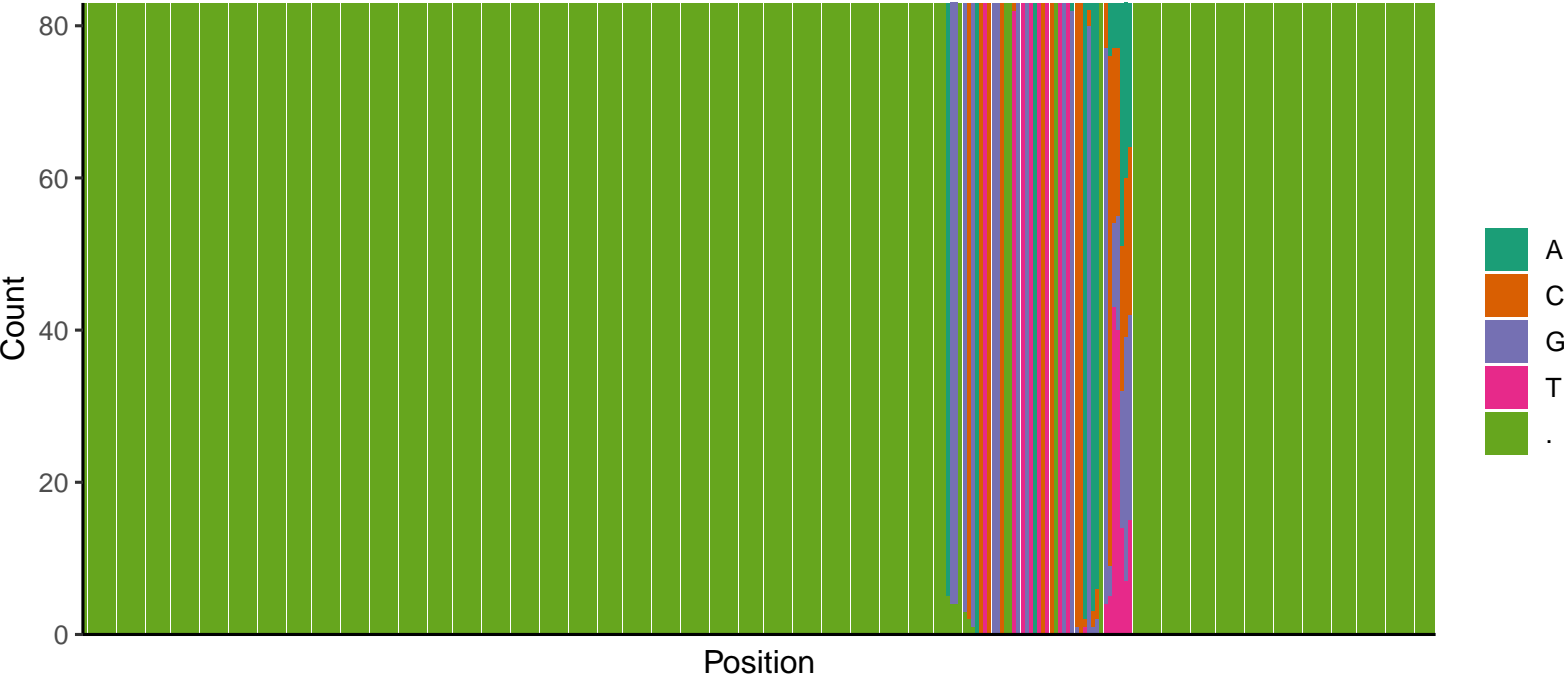
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



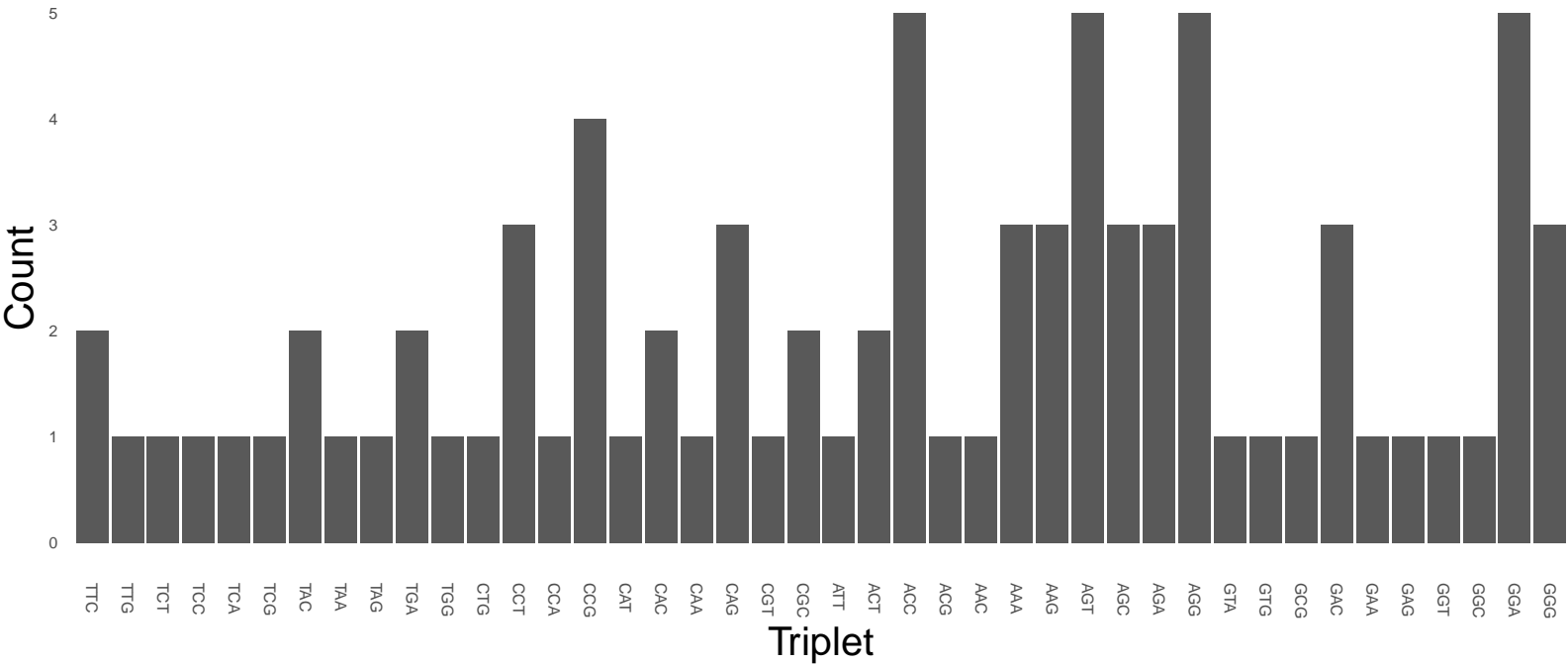
Gene TRBV7-1\*ap01\_G291C\_T296C



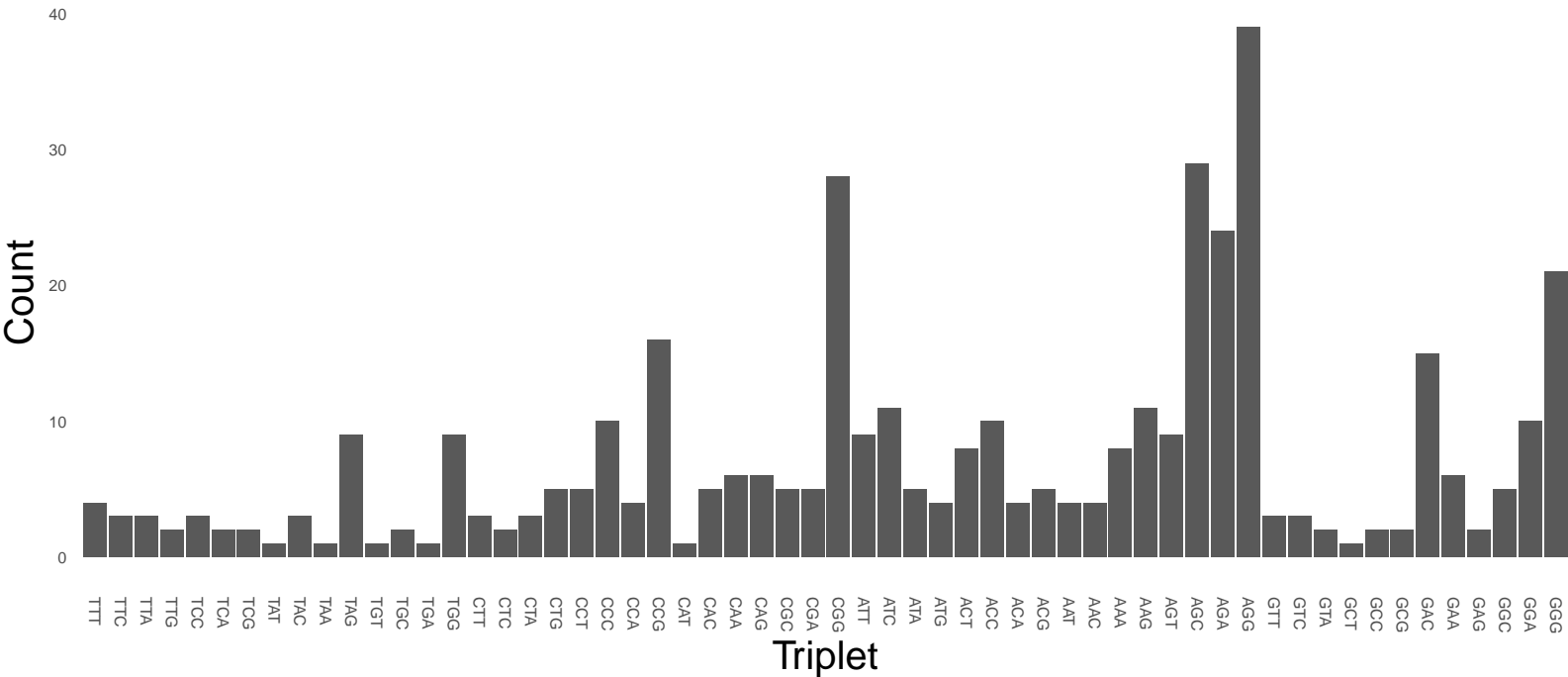
Gene TRBV7-7\*ap01\_C315T



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

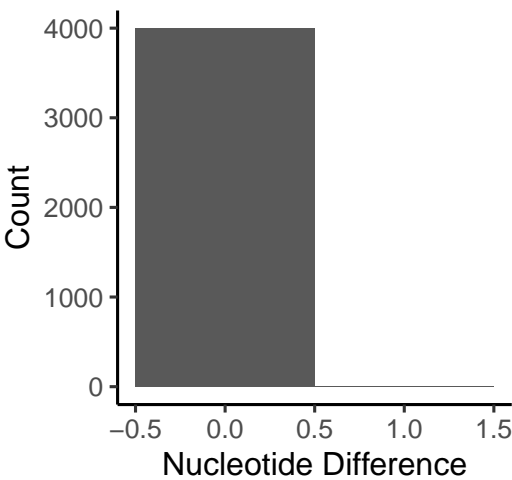


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



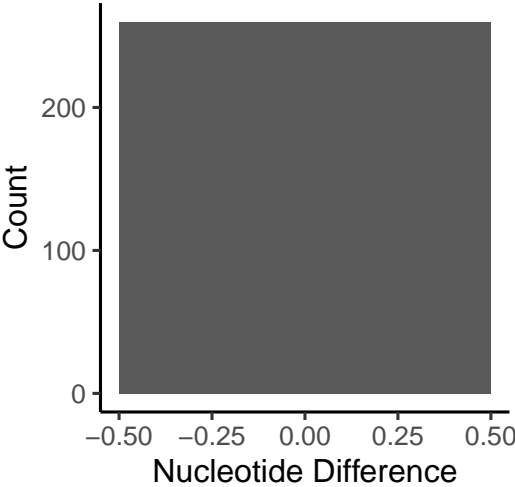
TRBV20–1\*ap01

4008 sequences assigned  
3997 (99.7%) exact matches, in which:  
3991 unique CDR3  
12 unique J



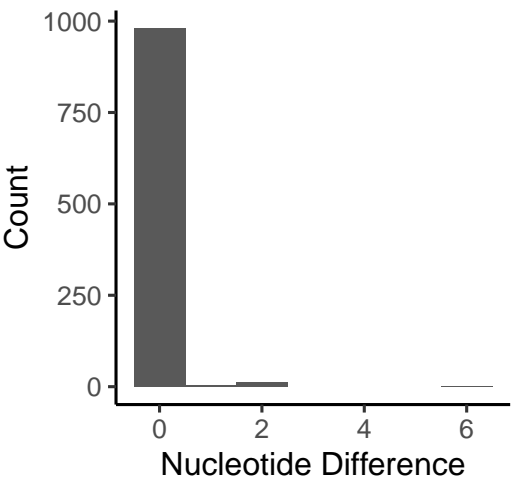
TRBV10–2\*ap01

260 sequences assigned  
260 (100%) exact matches, in which:  
260 unique CDR3  
12 unique J



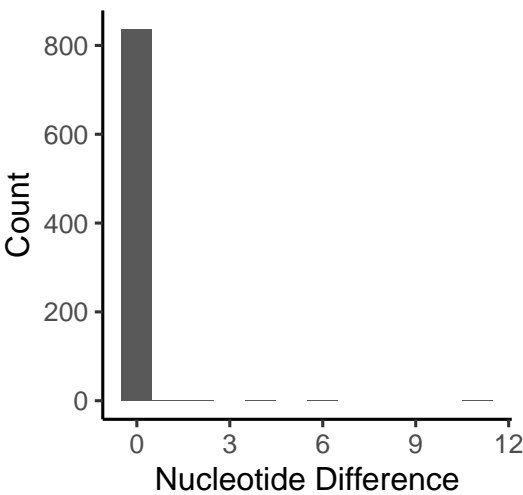
TRBV13\*ap01

997 sequences assigned  
980 (98.3%) exact matches, in which:  
980 unique CDR3  
12 unique J



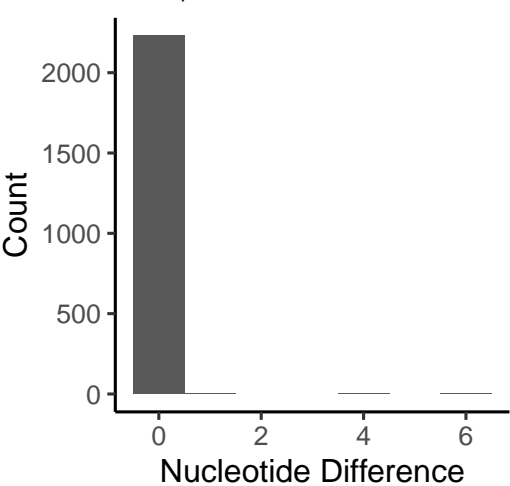
TRBV10–1\*ap01

843 sequences assigned  
837 (99.3%) exact matches, in which:  
835 unique CDR3  
12 unique J



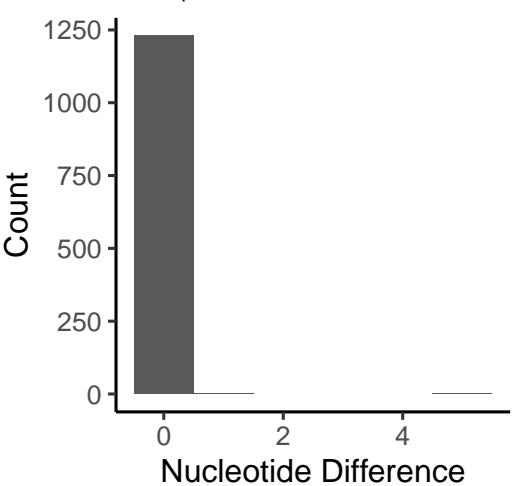
TRBV10–3\*ap01

2238 sequences assigned  
2230 (99.6%) exact matches, in which:  
2229 unique CDR3  
12 unique J



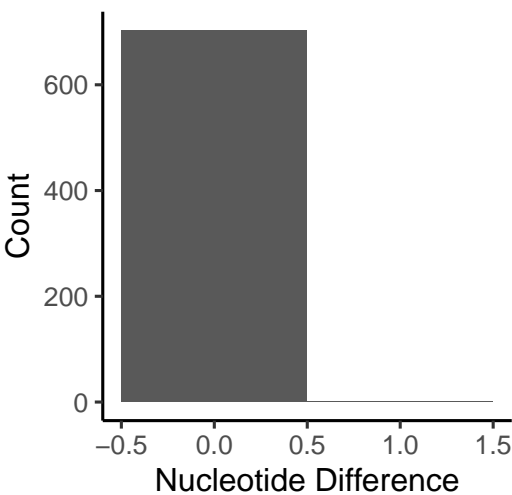
TRBV14\*ap01

1232 sequences assigned  
1230 (99.8%) exact matches, in which:  
1229 unique CDR3  
12 unique J



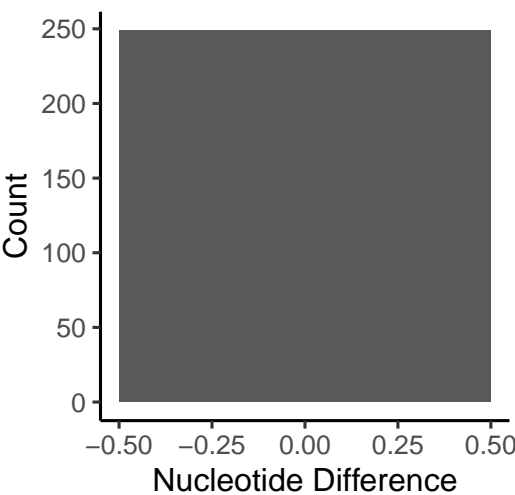
TRBV20–1\*ap02

704 sequences assigned  
703 (99.9%) exact matches, in which:  
702 unique CDR3  
12 unique J



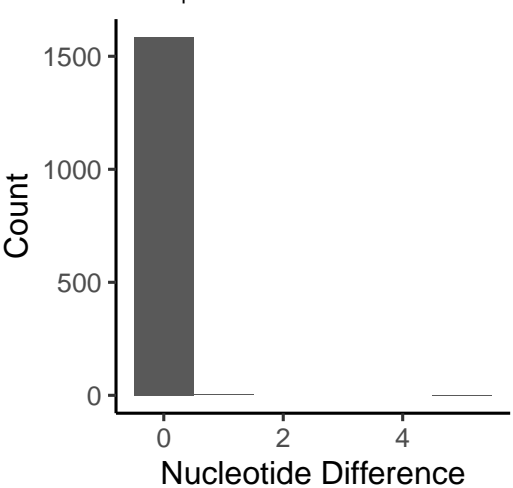
TRBV1\*ap01

249 sequences assigned  
249 (100%) exact matches, in which:  
248 unique CDR3  
12 unique J



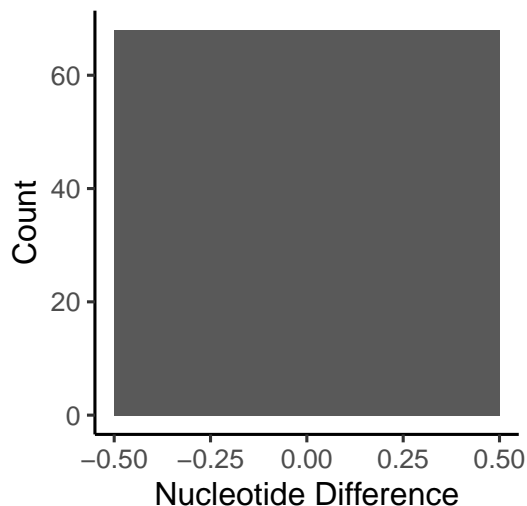
TRBV15\*ap02

1590 sequences assigned  
1585 (99.7%) exact matches, in which:  
1585 unique CDR3  
12 unique J



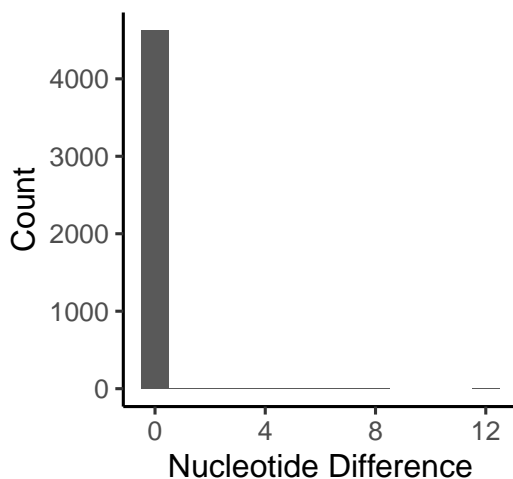
### TRBV16\*ap01

68 sequences assigned  
68 (100%) exact matches, in which:  
68 unique CDR3  
11 unique J



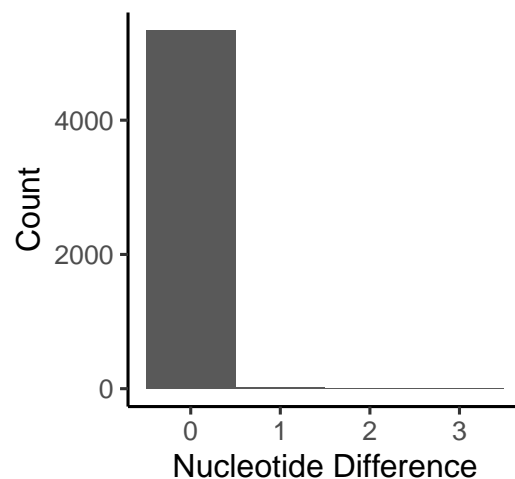
### TRBV19\*ap01

4647 sequences assigned  
4625 (99.5%) exact matches, in which:  
4624 unique CDR3  
12 unique J



### TRBV27\*ap01

5357 sequences assigned  
5338 (99.6%) exact matches, in which:  
5331 unique CDR3  
12 unique J



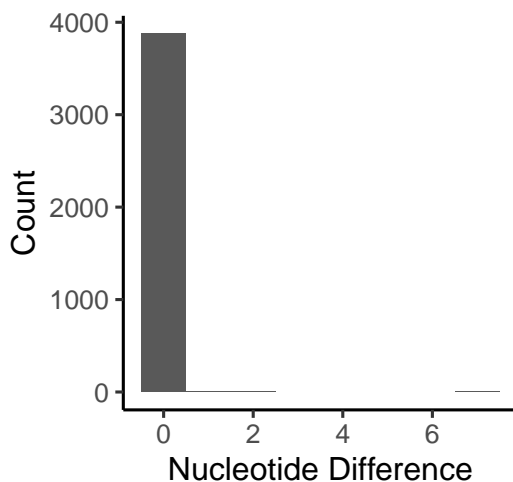
### TRBV17\*ap01

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



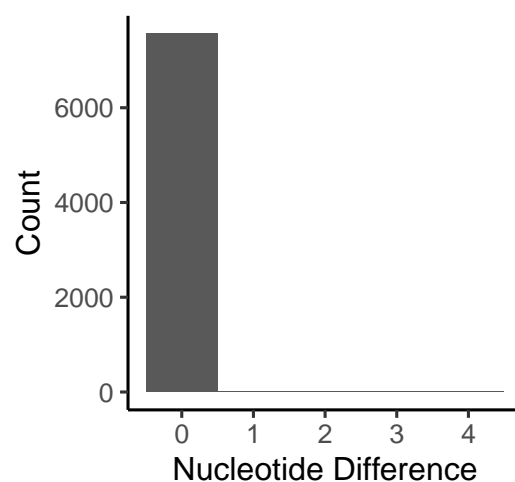
### TRBV2\*ap01

3889 sequences assigned  
3876 (99.7%) exact matches, in which:  
3871 unique CDR3  
12 unique J



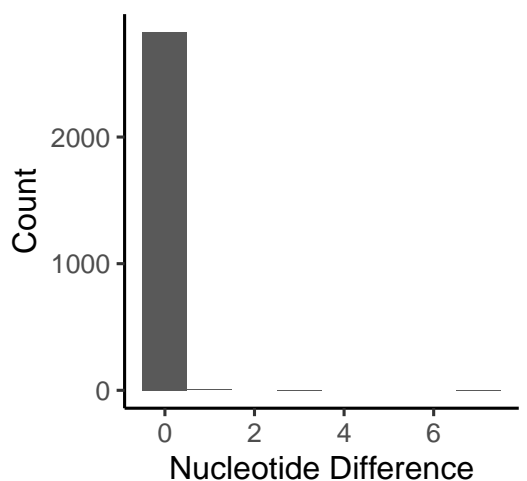
### TRBV28\*ap01

7585 sequences assigned  
7562 (99.7%) exact matches, in which:  
7560 unique CDR3  
12 unique J



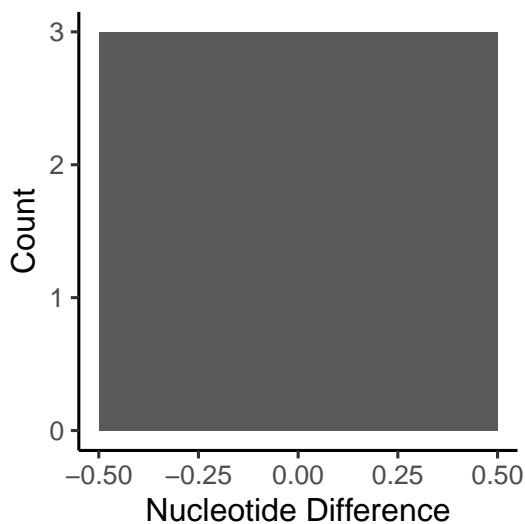
### TRBV18\*ap01

2837 sequences assigned  
2829 (99.7%) exact matches, in which:  
2826 unique CDR3  
12 unique J



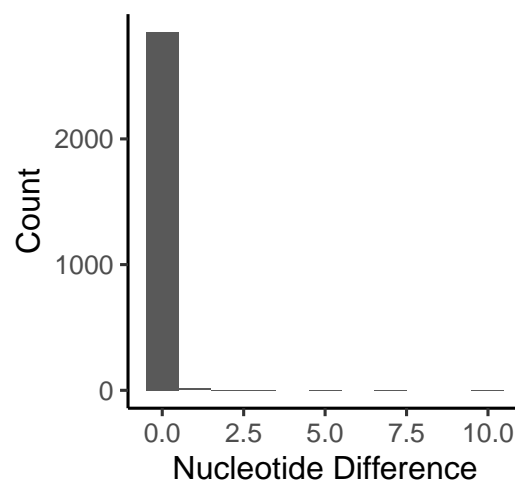
### TRBV26\*ap01

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
2 unique J



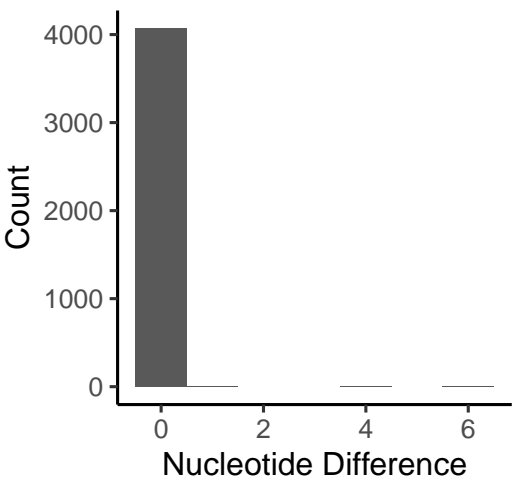
### TRBV30\*ap01

2871 sequences assigned  
2850 (99.3%) exact matches, in which:  
2848 unique CDR3  
12 unique J



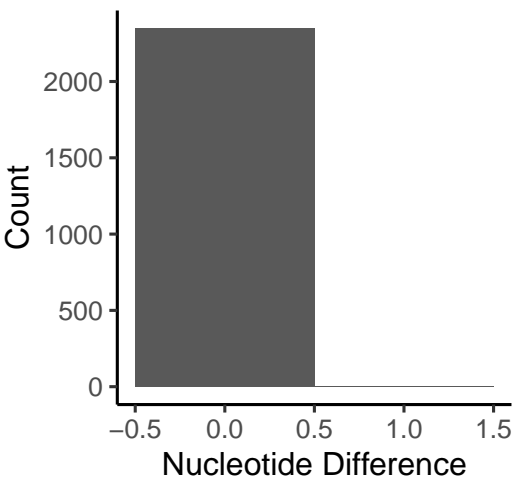
TRBV9\*ap01

4078 sequences assigned  
4070 (99.8%) exact matches, in which:  
4067 unique CDR3  
12 unique J



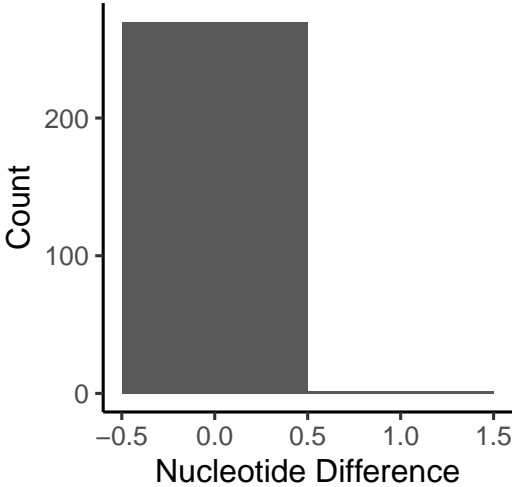
TRBV11-2\*ap01

2351 sequences assigned  
2348 (99.9%) exact matches, in which:  
2346 unique CDR3  
12 unique J



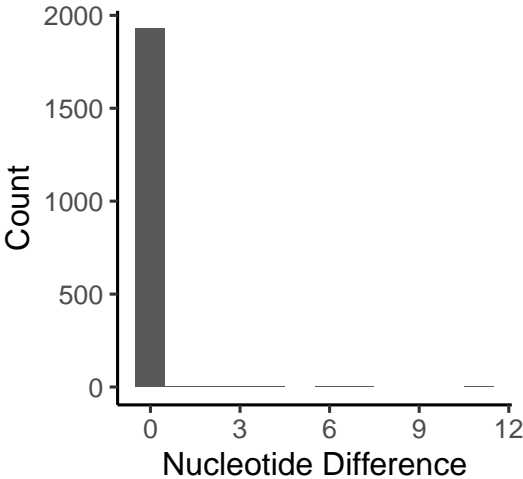
TRBV12-2\*ap01

272 sequences assigned  
270 (99.3%) exact matches, in which:  
270 unique CDR3  
12 unique J



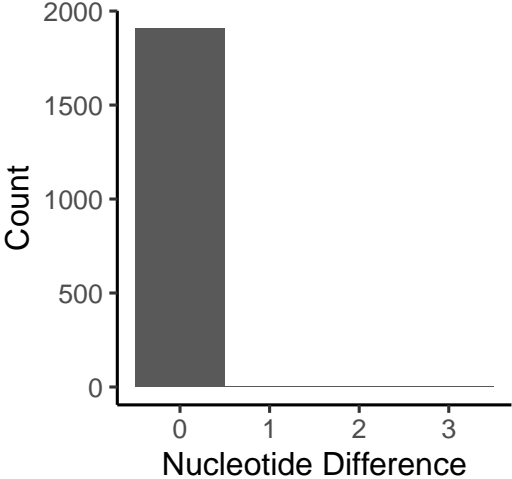
TRBV21-1\*ap01

1939 sequences assigned  
1928 (99.4%) exact matches, in which:  
1927 unique CDR3  
13 unique J



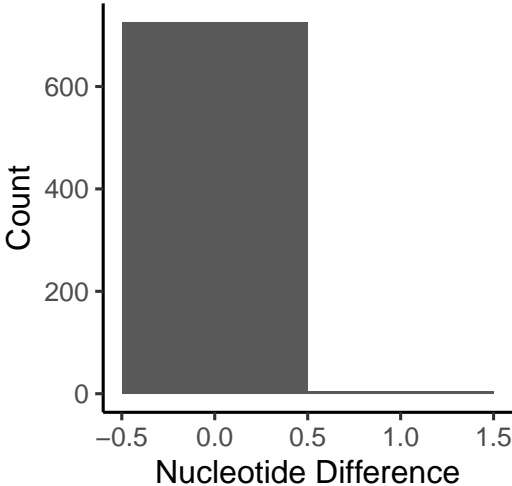
TRBV11-3\*ap01

1914 sequences assigned  
1906 (99.6%) exact matches, in which:  
1905 unique CDR3  
12 unique J



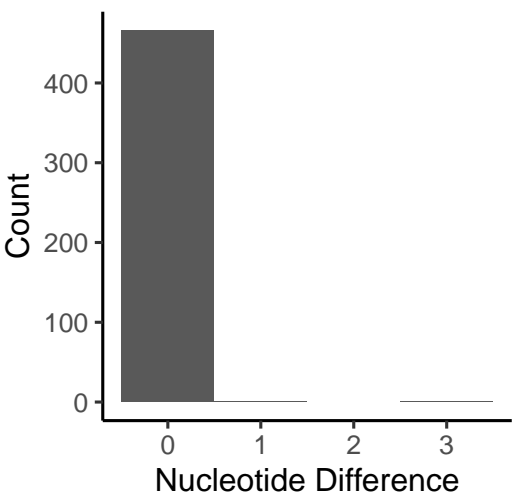
TRBV12-5\*ap01

730 sequences assigned  
726 (99.5%) exact matches, in which:  
726 unique CDR3  
12 unique J



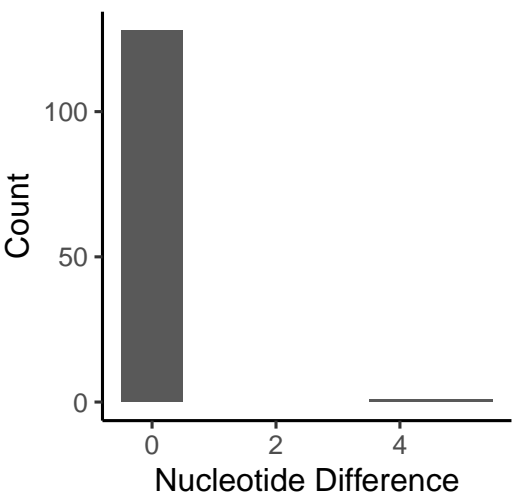
TRBV11-1\*ap01

468 sequences assigned  
466 (99.6%) exact matches, in which:  
466 unique CDR3  
12 unique J



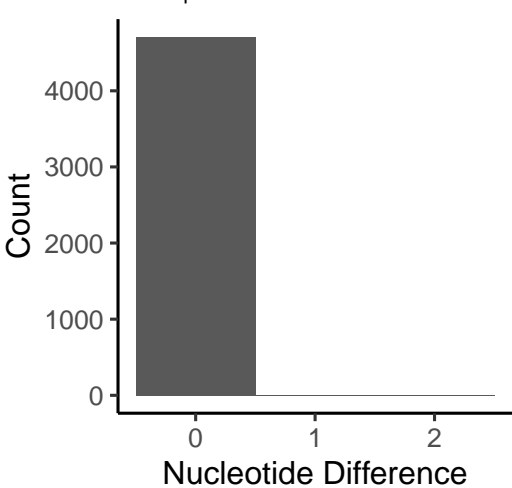
TRBV12-1\*ap01

130 sequences assigned  
128 (98.5%) exact matches, in which:  
128 unique CDR3  
12 unique J



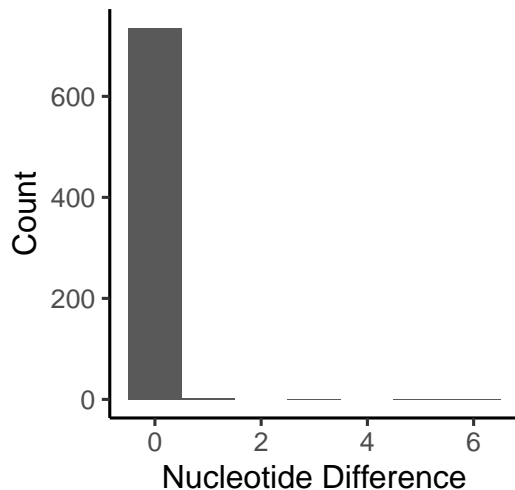
TRBV12-34\*ap01

4713 sequences assigned  
4706 (99.9%) exact matches, in which:  
4705 unique CDR3  
12 unique J



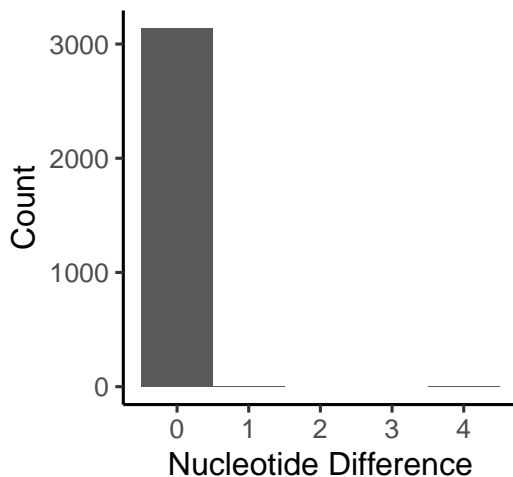
### TRBV23-1\*ap01

741 sequences assigned  
736 (99.3%) exact matches, in which:  
736 unique CDR3  
12 unique J



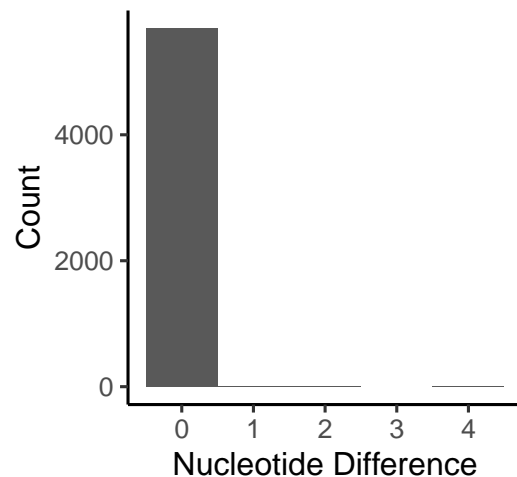
### TRBV4-1\*ap01

3146 sequences assigned  
3137 (99.7%) exact matches, in which:  
3133 unique CDR3  
12 unique J



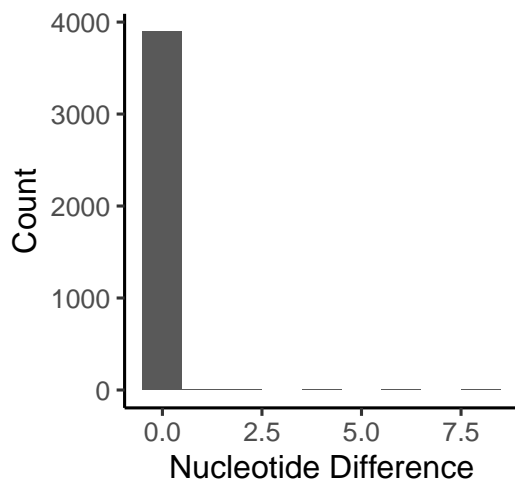
### TRBV5-1\*ap01

5703 sequences assigned  
5689 (99.8%) exact matches, in which:  
5672 unique CDR3  
12 unique J



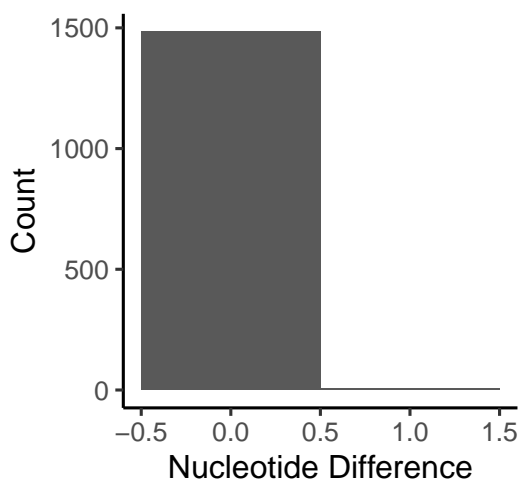
### TRBV3-12\*ap01

3907 sequences assigned  
3895 (99.7%) exact matches, in which:  
3892 unique CDR3  
13 unique J



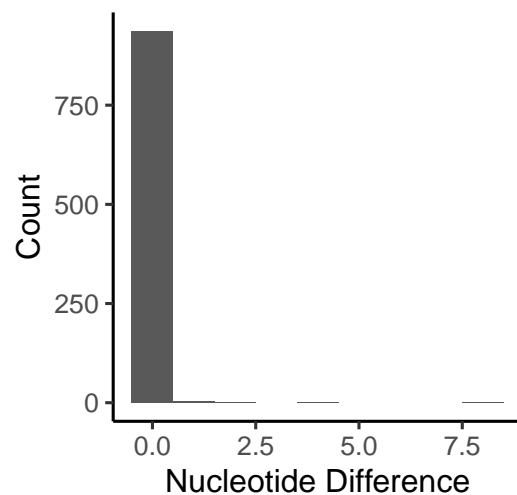
### TRBV4-2\*ap01

1492 sequences assigned  
1484 (99.5%) exact matches, in which:  
1482 unique CDR3  
12 unique J



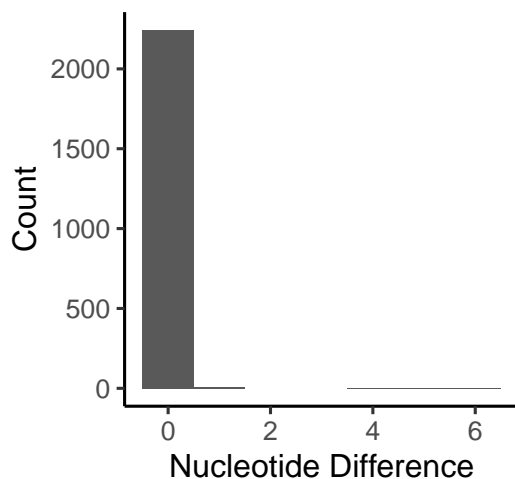
### TRBV25-1\*ap01

946 sequences assigned  
937 (99%) exact matches, in which:  
937 unique CDR3  
12 unique J



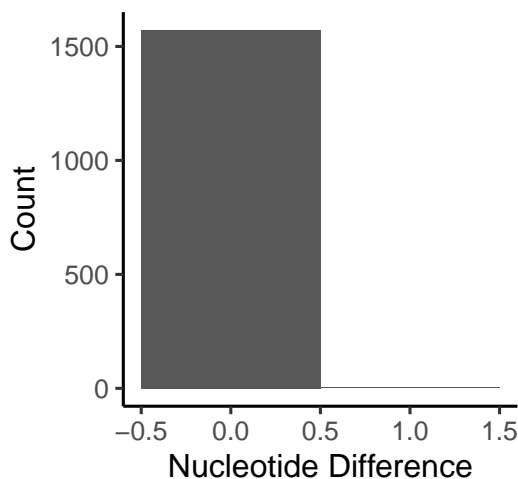
### TRBV24-1\*ap01

2258 sequences assigned  
2243 (99.3%) exact matches, in which:  
2237 unique CDR3  
12 unique J



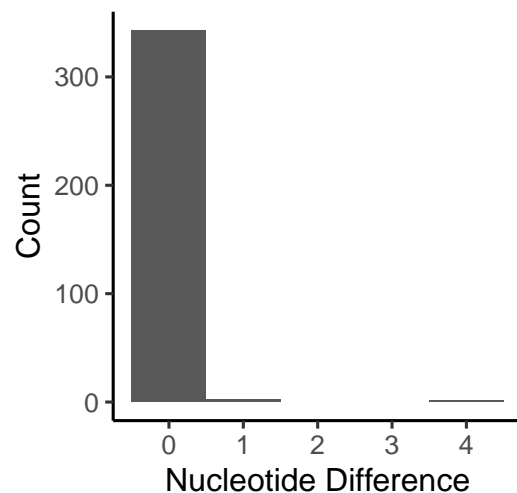
### TRBV4-3\*ap01

1575 sequences assigned  
1572 (99.8%) exact matches, in which:  
1572 unique CDR3  
12 unique J



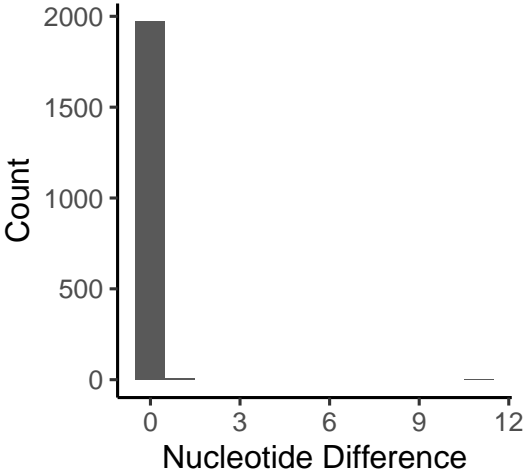
### TRBV5-3\*ap01

346 sequences assigned  
343 (99.1%) exact matches, in which:  
342 unique CDR3  
12 unique J



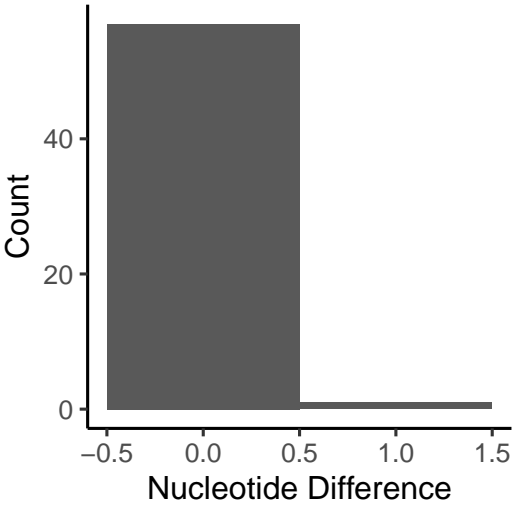
TRBV5-4\*ap01

1983 sequences assigned  
1972 (99.4%) exact matches, in which:  
1972 unique CDR3  
12 unique J



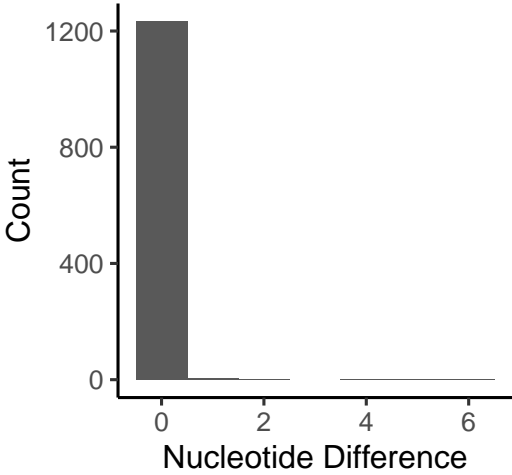
TRBV5-7\*ap01

58 sequences assigned  
57 (98.3%) exact matches, in which:  
57 unique CDR3  
9 unique J



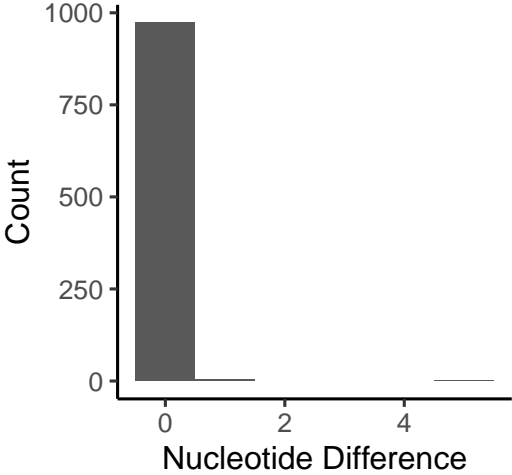
TRBV6-4\*ap01

1242 sequences assigned  
1233 (99.3%) exact matches, in which:  
1231 unique CDR3  
12 unique J



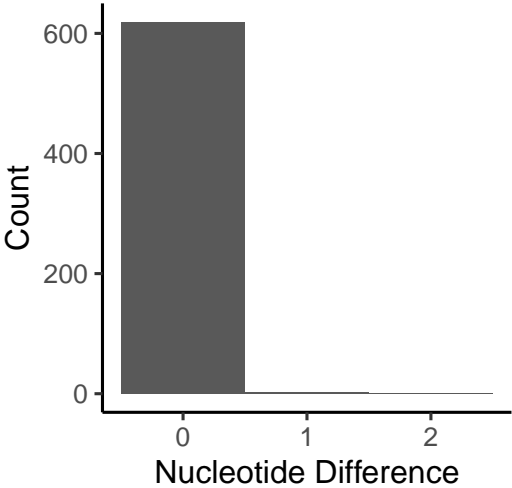
TRBV5-5\*ap01

979 sequences assigned  
973 (99.4%) exact matches, in which:  
971 unique CDR3  
12 unique J



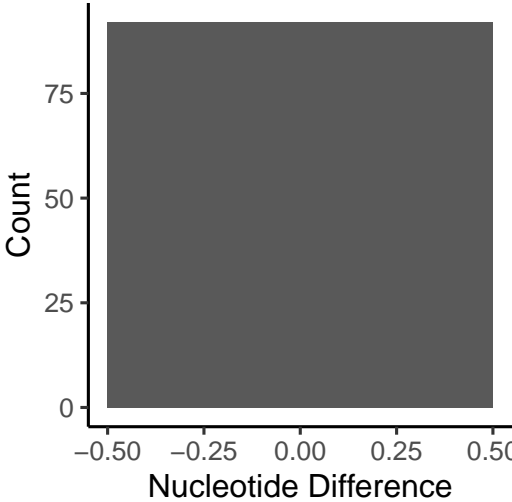
TRBV5-8\*ap01

622 sequences assigned  
619 (99.5%) exact matches, in which:  
618 unique CDR3  
12 unique J



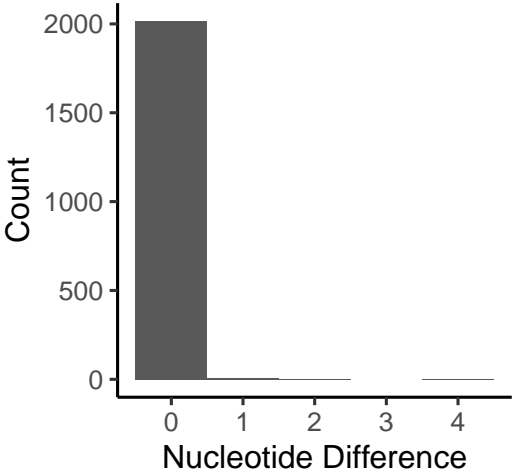
TRBV6-7\*ap01

92 sequences assigned  
92 (100%) exact matches, in which:  
92 unique CDR3  
12 unique J



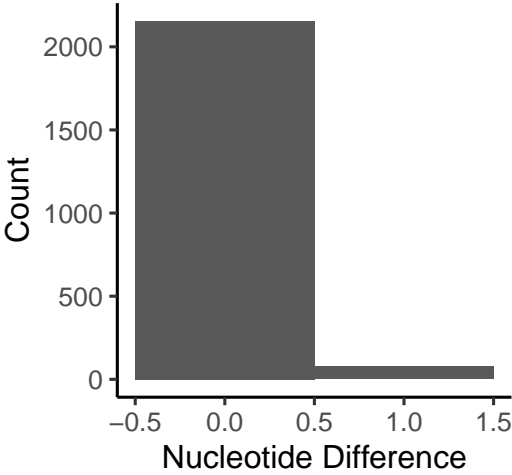
TRBV5-6\*ap01

2027 sequences assigned  
2016 (99.5%) exact matches, in which:  
2016 unique CDR3  
12 unique J



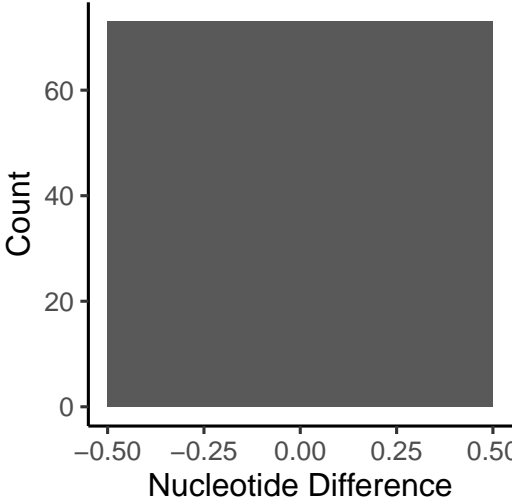
TRBV6-1\*ap01

2231 sequences assigned  
2155 (96.6%) exact matches, in which:  
2149 unique CDR3  
12 unique J



TRBV6-8\*ap01

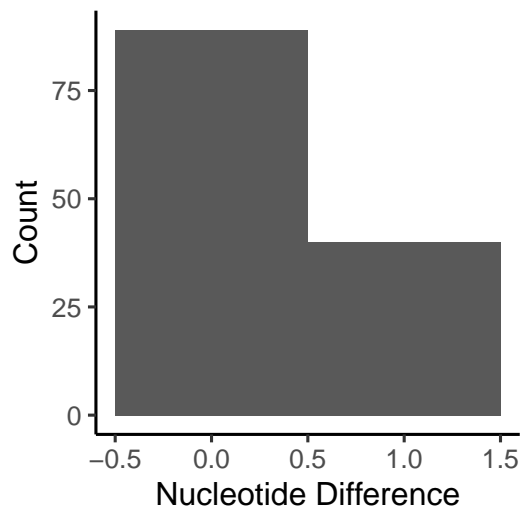
73 sequences assigned  
73 (100%) exact matches, in which:  
72 unique CDR3  
10 unique J





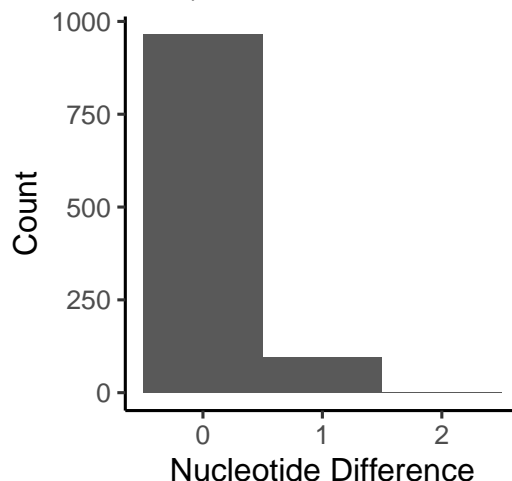
### TRBV6-9\*ap01

129 sequences assigned  
89 (69%) exact matches, in which:  
89 unique CDR3  
12 unique J



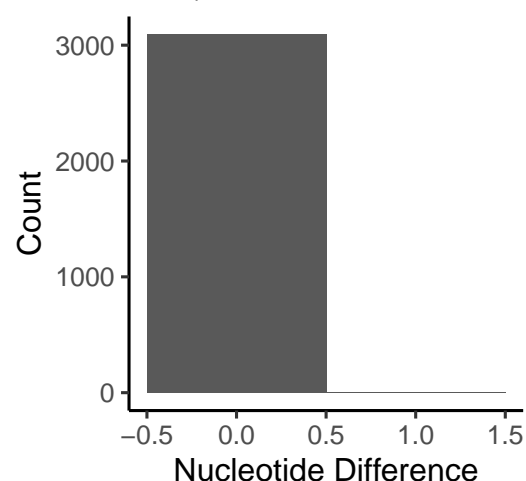
### TRBV6-56\*ap02

1062 sequences assigned  
965 (90.9%) exact matches, in which:  
963 unique CDR3  
12 unique J



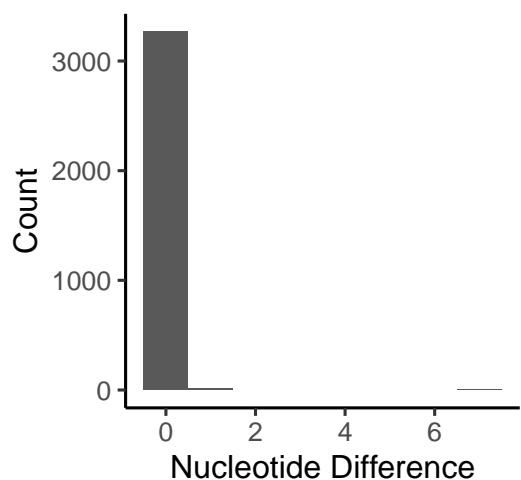
### TRBV7-2\*ap01

3099 sequences assigned  
3093 (99.8%) exact matches, in which:  
3092 unique CDR3  
12 unique J



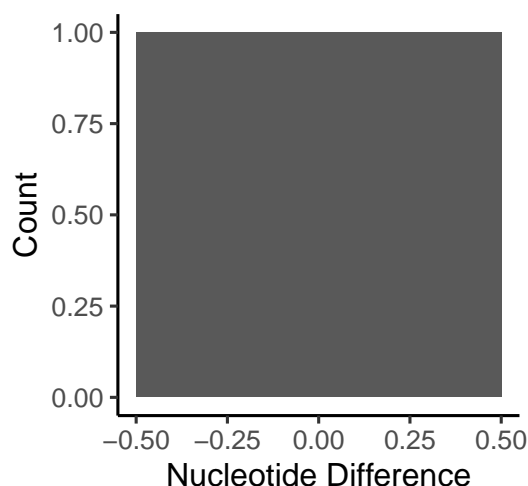
### TRBV6-23\*ap01

3285 sequences assigned  
3267 (99.5%) exact matches, in which:  
3267 unique CDR3  
12 unique J



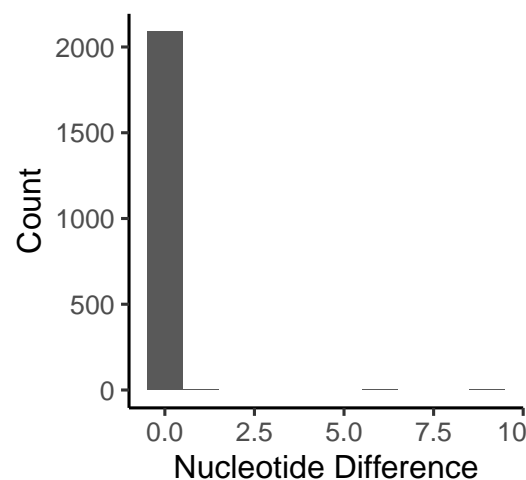
### TRBV7-1\*ap01

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



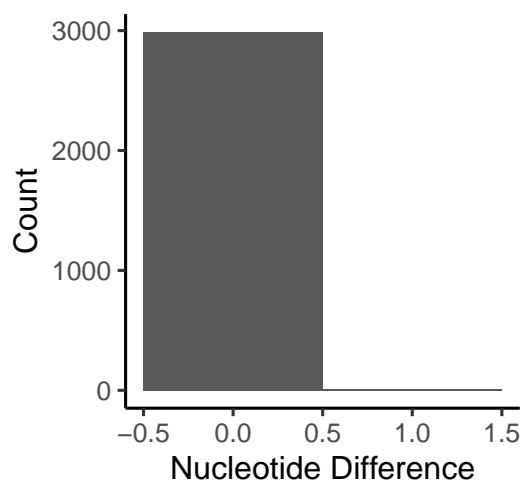
### TRBV7-3\*ap01

2098 sequences assigned  
2089 (99.6%) exact matches, in which:  
2085 unique CDR3  
12 unique J



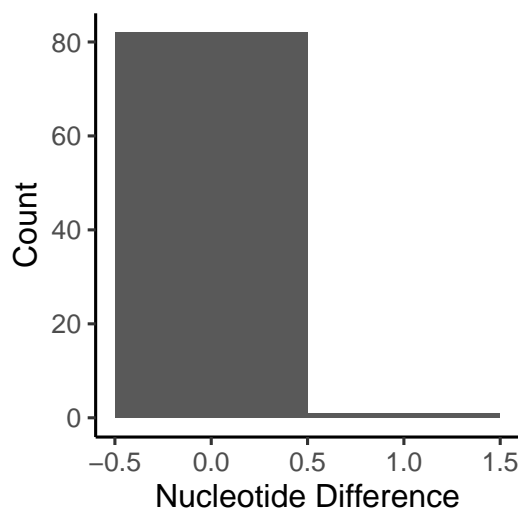
### TRBV6-56\*ap01

2999 sequences assigned  
2988 (99.6%) exact matches, in which:  
2983 unique CDR3  
12 unique J



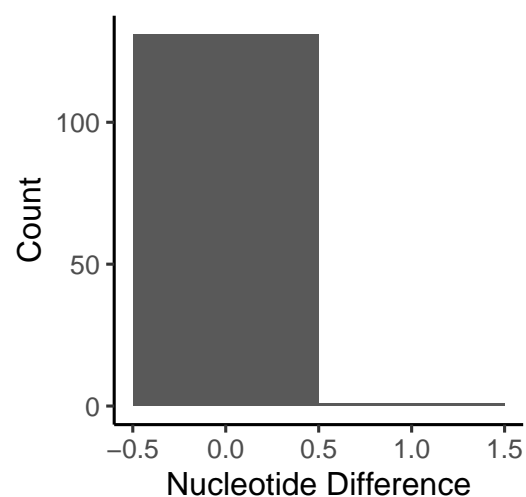
### TRBV7-1\*ap01\_G291C\_T

83 sequences assigned  
82 (98.8%) exact matches, in which:  
82 unique CDR3  
12 unique J



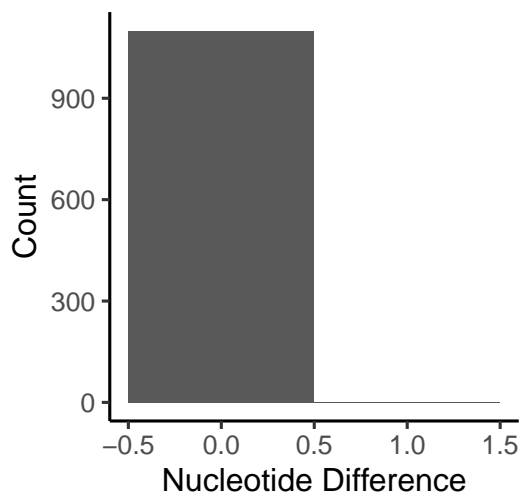
### TRBV7-4\*ap01

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



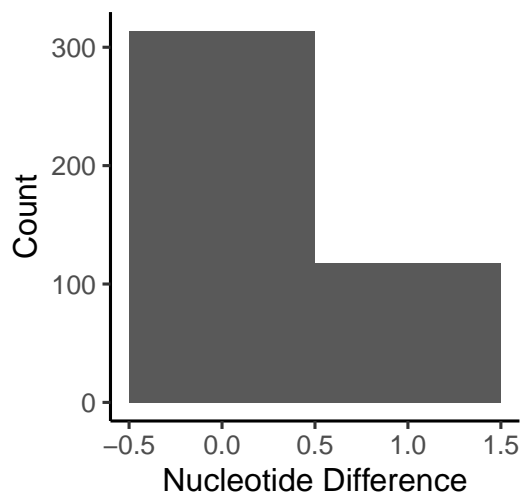
### TRBV7-6\*ap01

1101 sequences assigned  
1100 (99.9%) exact matches, in which:  
1099 unique CDR3  
12 unique J



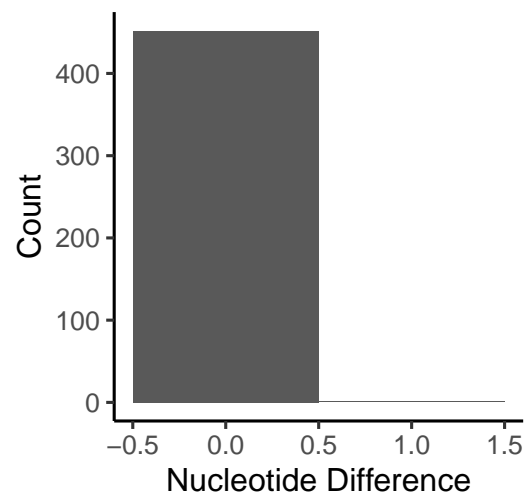
### TRBV7-8\*ap03

432 sequences assigned  
314 (72.7%) exact matches, in which:  
313 unique CDR3  
12 unique J



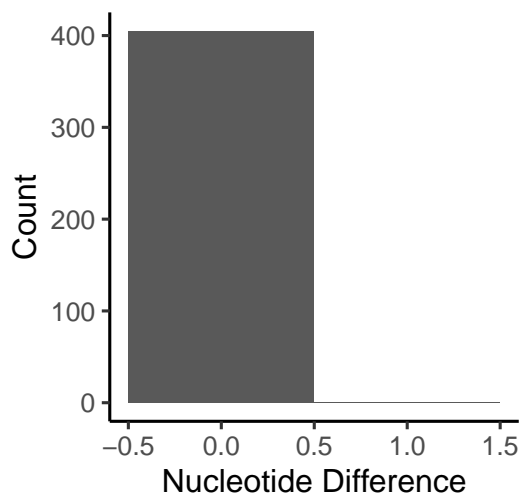
### TRBV29-1\*ap02

453 sequences assigned  
452 (99.8%) exact matches, in which:  
452 unique CDR3  
12 unique J



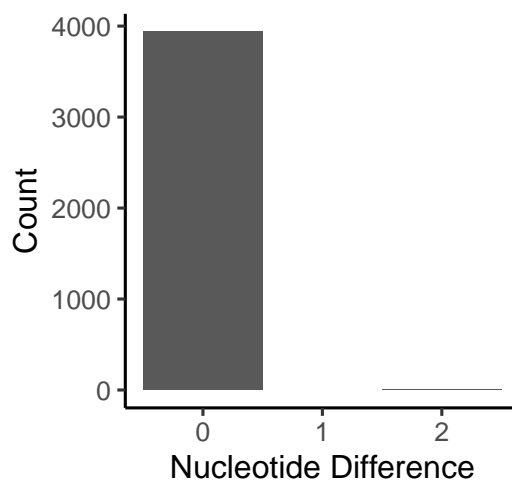
### TRBV7-7\*ap01\_C315T

406 sequences assigned  
405 (99.8%) exact matches, in which:  
403 unique CDR3  
12 unique J



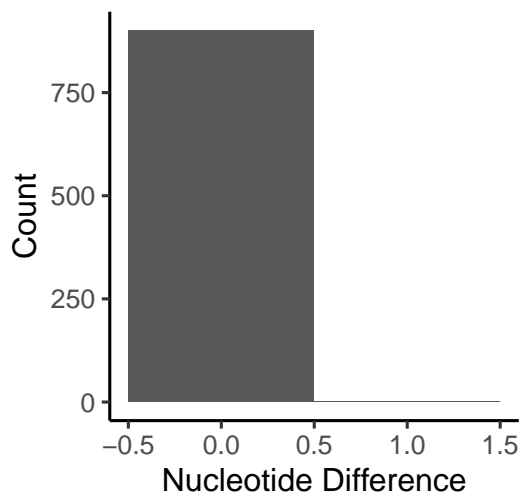
### TRBV7-9\*ap01

3939 sequences assigned  
3938 (100%) exact matches, in which:  
3938 unique CDR3  
12 unique J



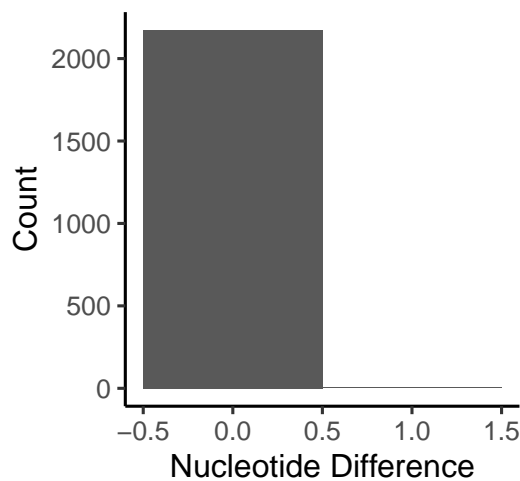
### TRBV7-8\*ap01

902 sequences assigned  
901 (99.9%) exact matches, in which:  
899 unique CDR3  
12 unique J

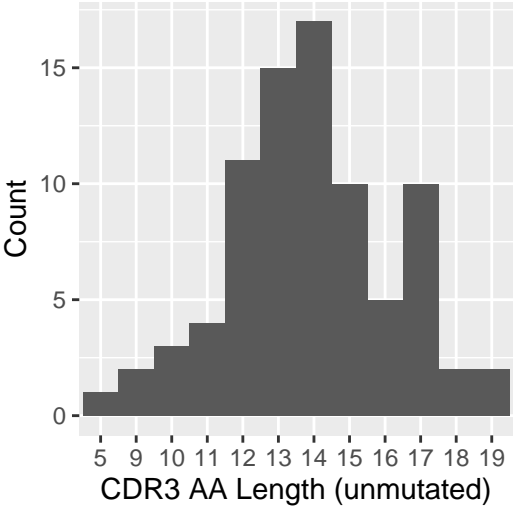


### TRBV29-1\*ap01

2178 sequences assigned  
2173 (99.8%) exact matches, in which:  
2171 unique CDR3  
12 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

