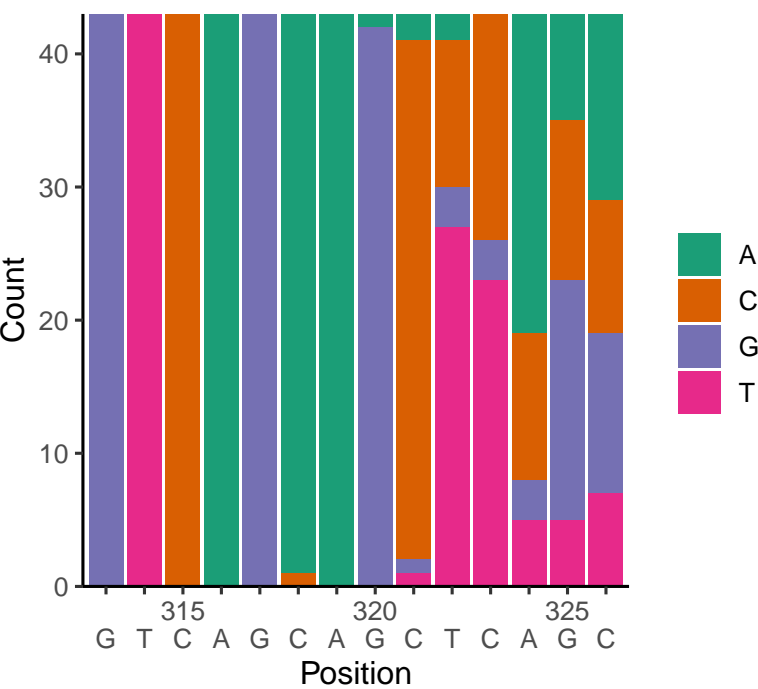
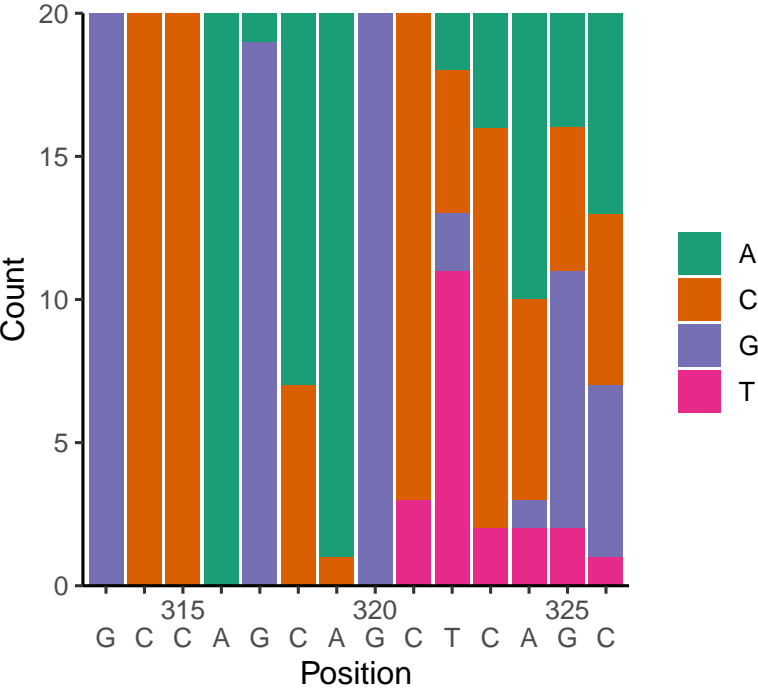


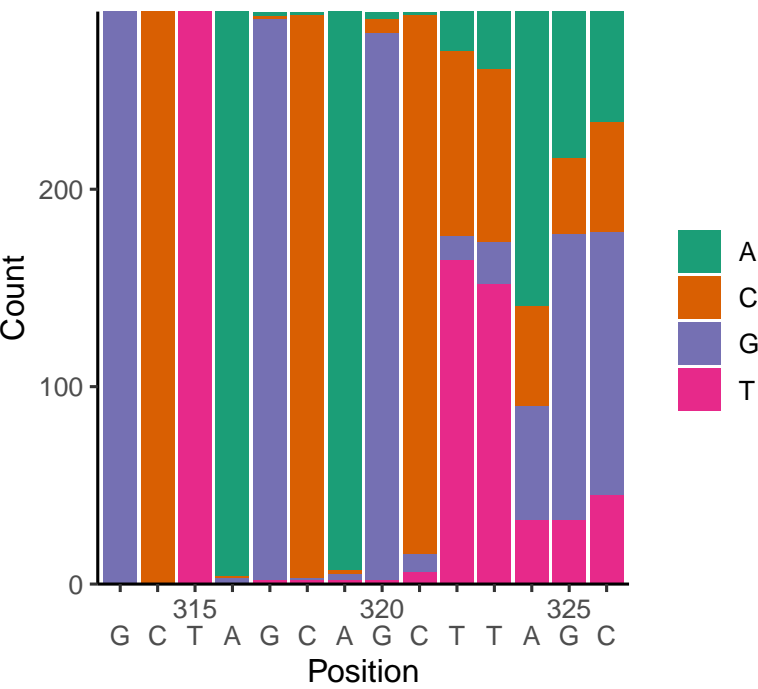
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_T296C\_C314T



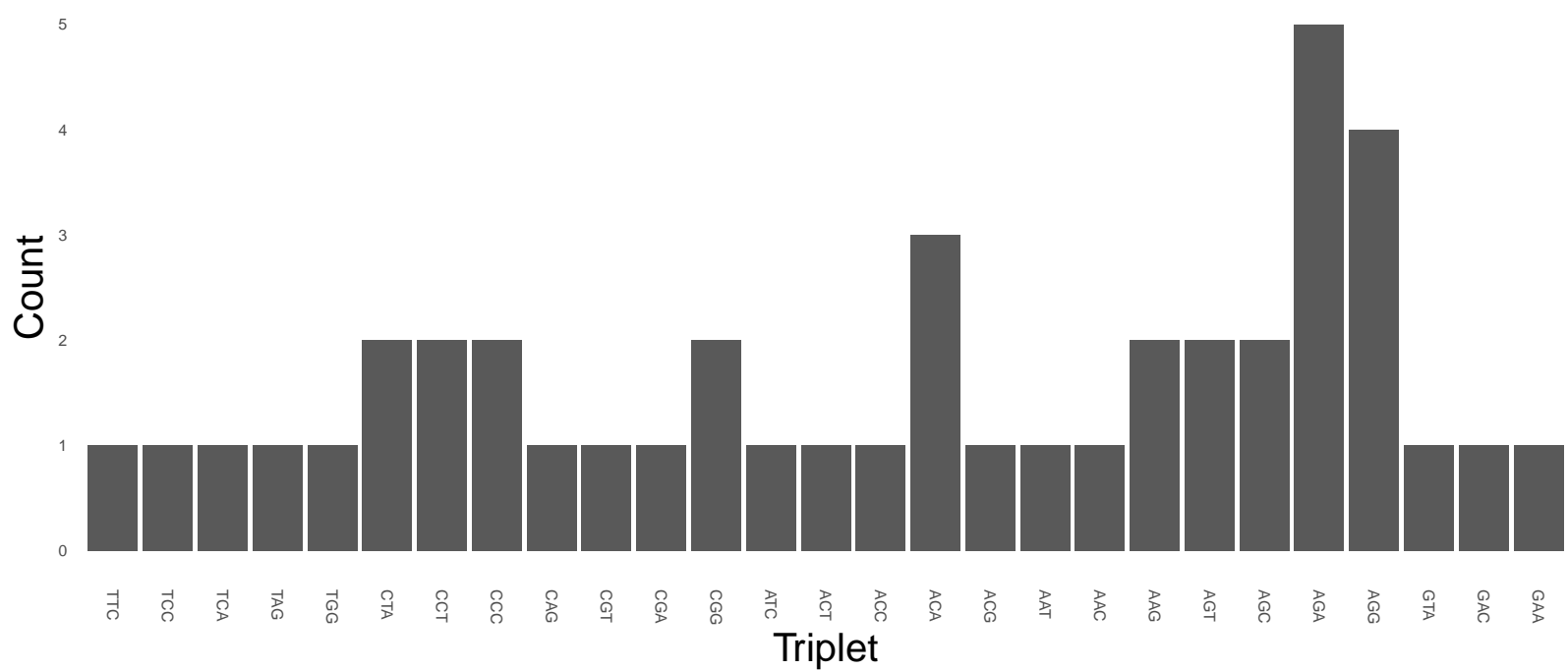
Gene TRBV7-1\*ap01\_T296C



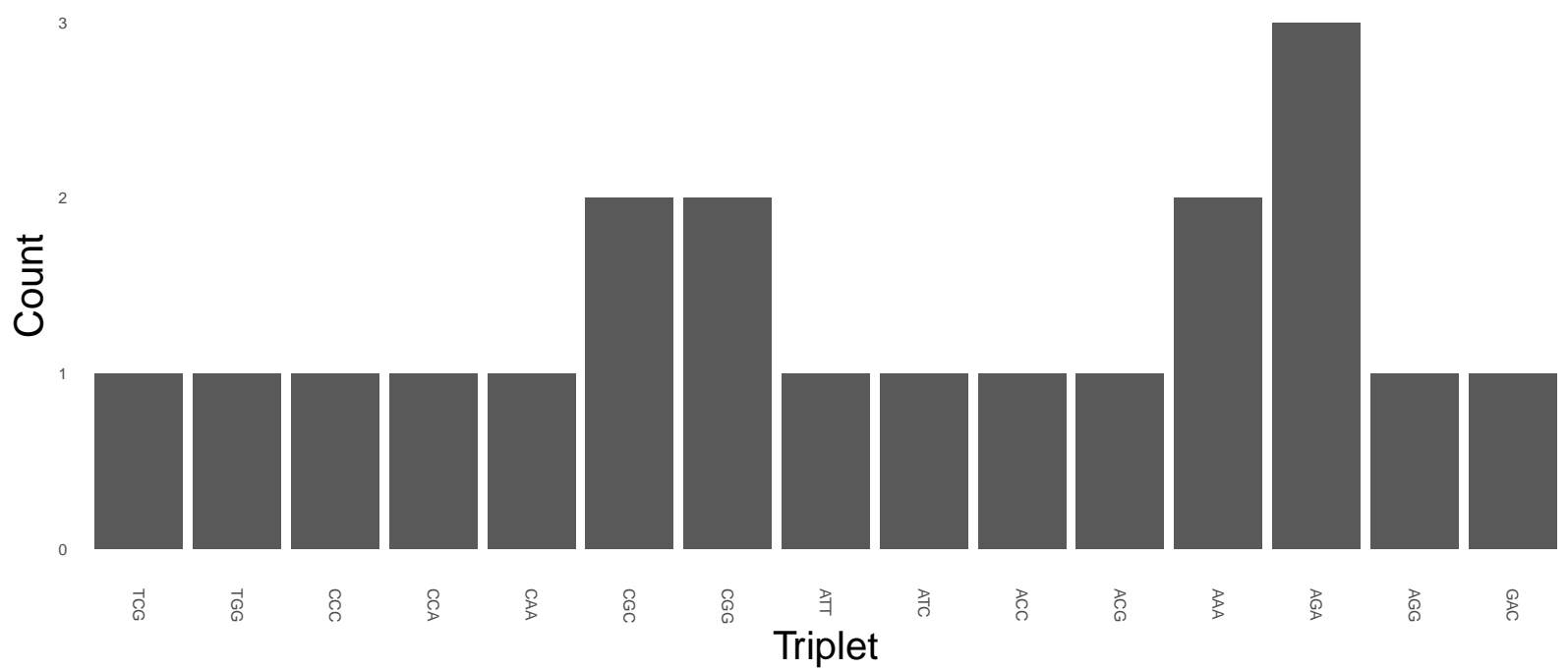
Gene TRBV7-7\*ap01\_C315T



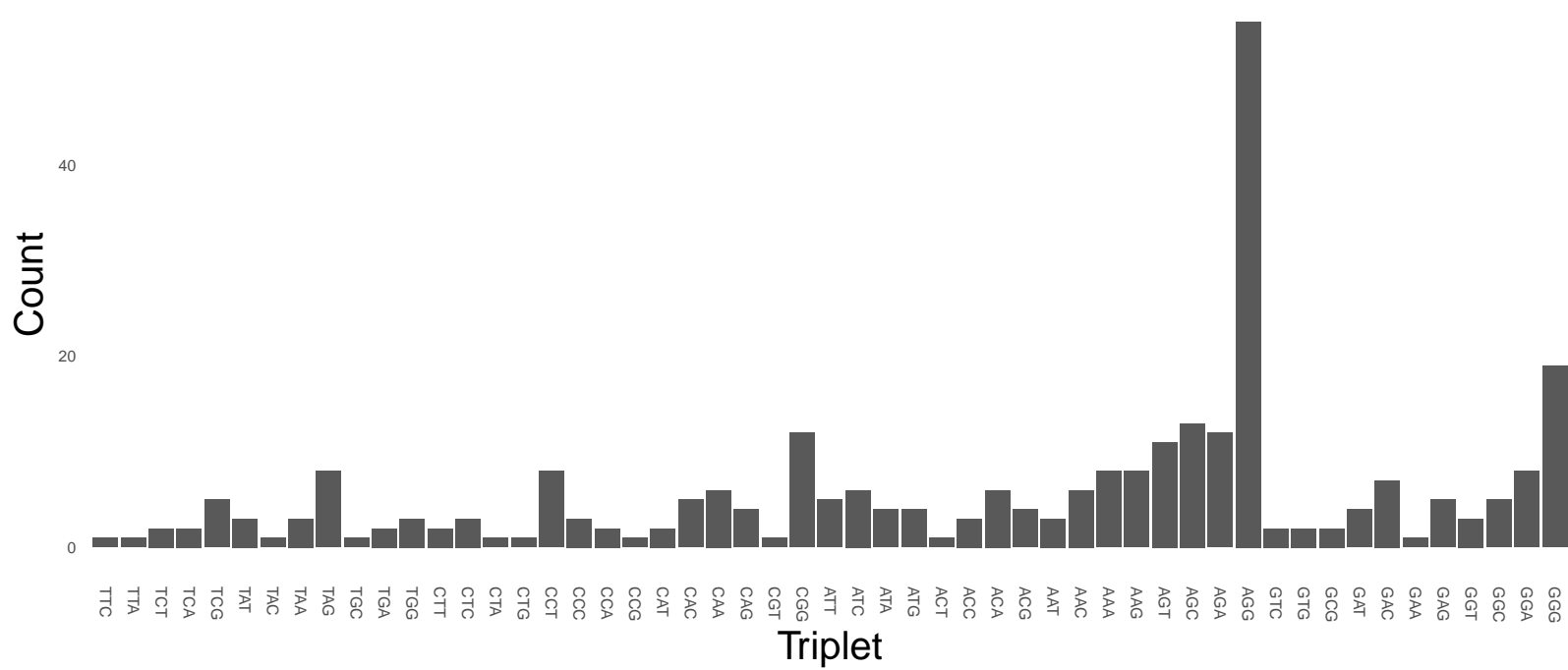
TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



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

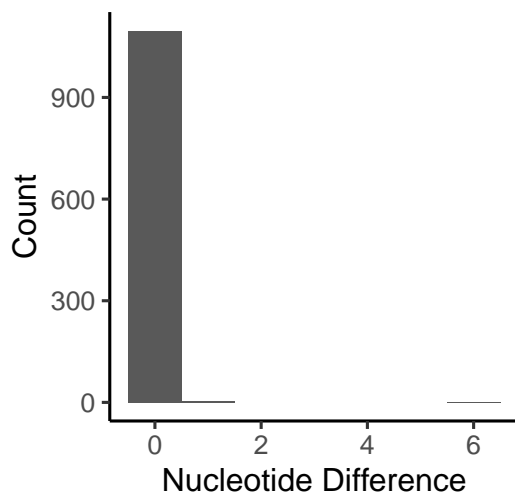


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



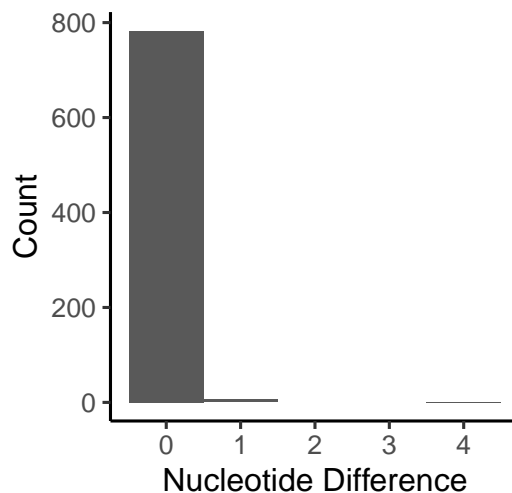
### TRBV10–1\*ap01

1103 sequences assigned  
1097 (99.5%) exact matches, in which:  
1088 unique CDR3  
13 unique J



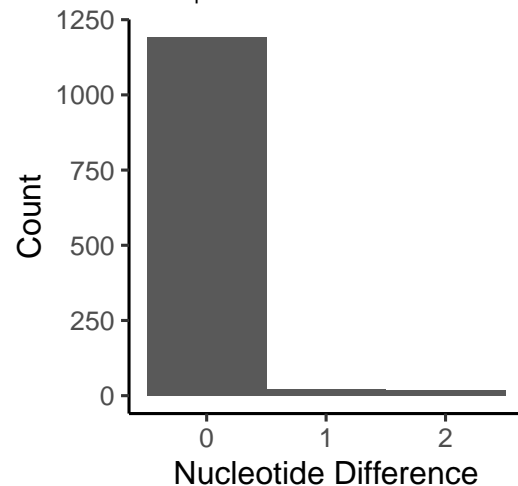
### TRBV10–2\*ap01

790 sequences assigned  
783 (99.1%) exact matches, in which:  
770 unique CDR3  
13 unique J



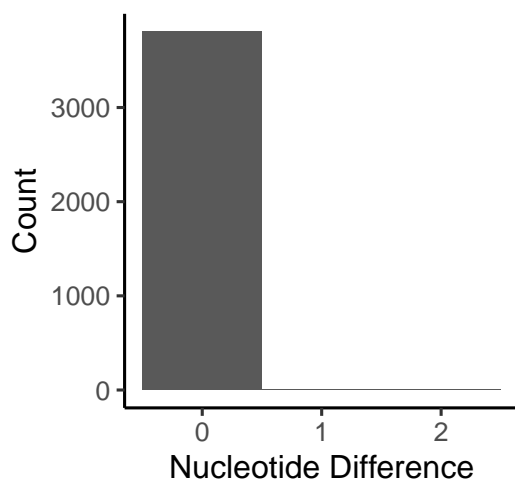
### TRBV13\*ap01

1231 sequences assigned  
1191 (96.8%) exact matches, in which:  
1164 unique CDR3  
13 unique J



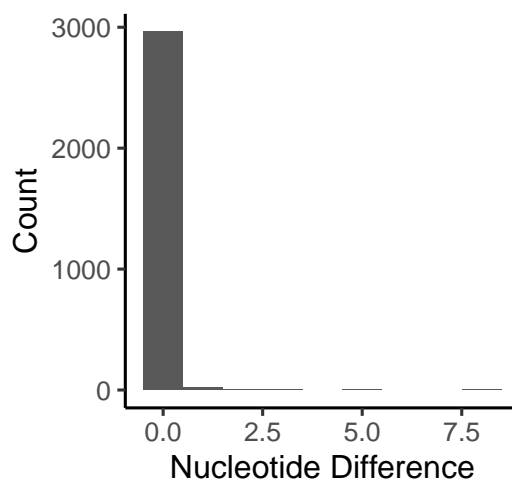
### TRBV20–1\*ap01

3816 sequences assigned  
3805 (99.7%) exact matches, in which:  
3794 unique CDR3  
13 unique J



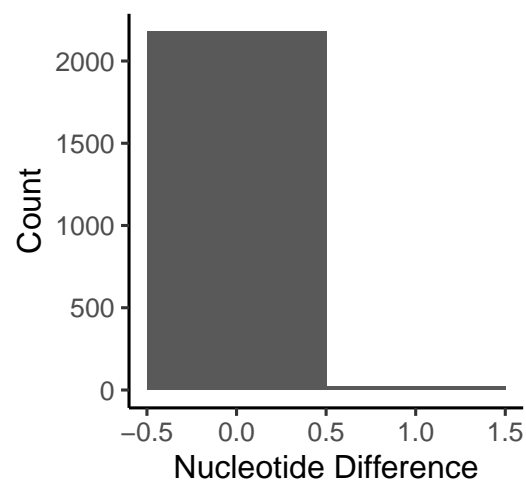
### TRBV10–3\*ap01

2989 sequences assigned  
2963 (99.1%) exact matches, in which:  
2941 unique CDR3  
13 unique J



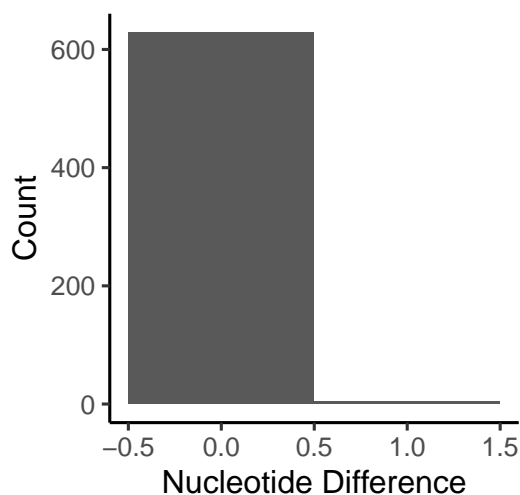
### TRBV14\*ap01

2197 sequences assigned  
2178 (99.1%) exact matches, in which:  
2157 unique CDR3  
13 unique J



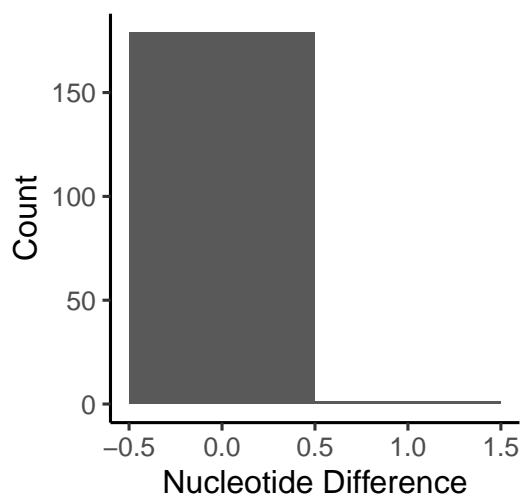
### TRBV20–1\*ap02

633 sequences assigned  
629 (99.4%) exact matches, in which:  
624 unique CDR3  
13 unique J



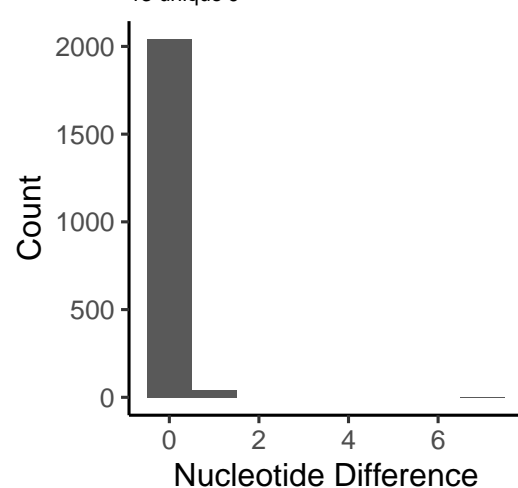
### TRBV1\*ap01

180 sequences assigned  
179 (99.4%) exact matches, in which:  
176 unique CDR3  
13 unique J



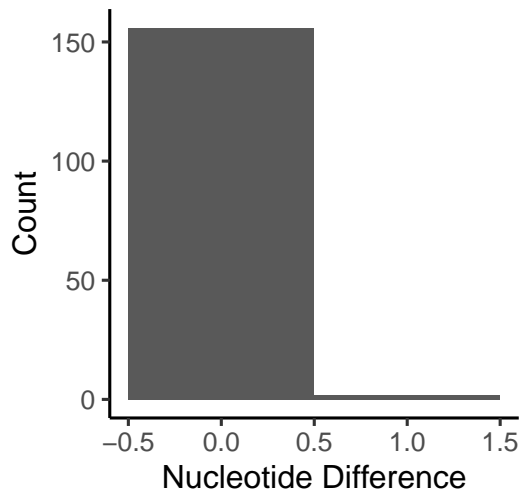
### TRBV15\*ap02

2085 sequences assigned  
2042 (97.9%) exact matches, in which:  
2020 unique CDR3  
13 unique J



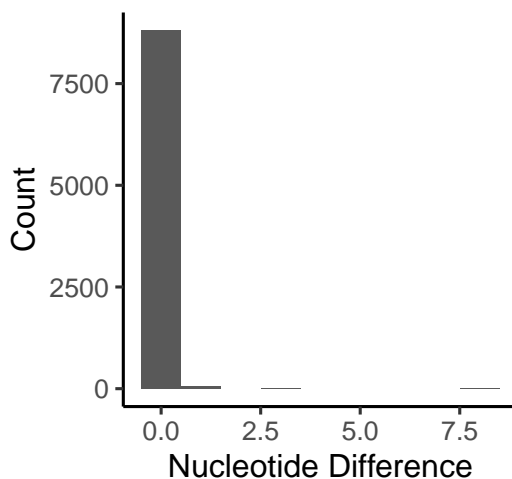
### TRBV16\*ap01

158 sequences assigned  
156 (98.7%) exact matches, in which:  
154 unique CDR3  
13 unique J



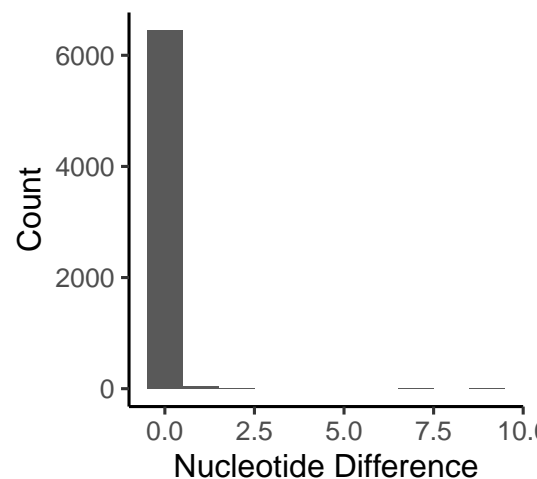
### TRBV19\*ap01

8870 sequences assigned  
8808 (99.3%) exact matches, in which:  
8763 unique CDR3  
13 unique J



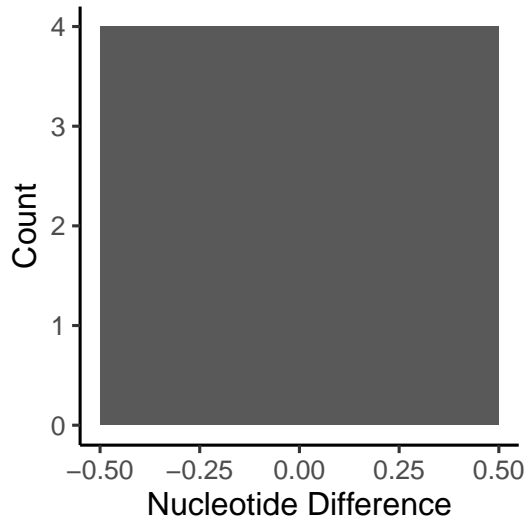
### TRBV27\*ap01

6504 sequences assigned  
6448 (99.1%) exact matches, in which:  
6376 unique CDR3  
13 unique J



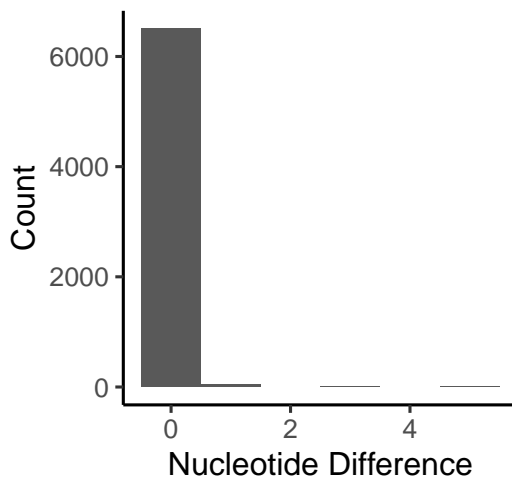
### TRBV17\*ap01

4 sequences assigned  
4 (100%) exact matches, in which:  
4 unique CDR3  
3 unique J



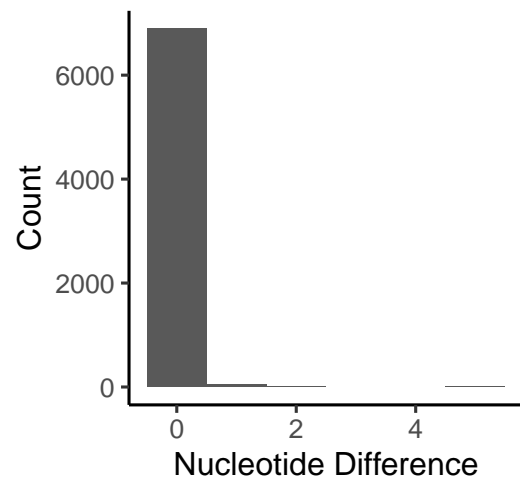
### TRBV2\*ap01

6552 sequences assigned  
6504 (99.3%) exact matches, in which:  
6430 unique CDR3  
13 unique J



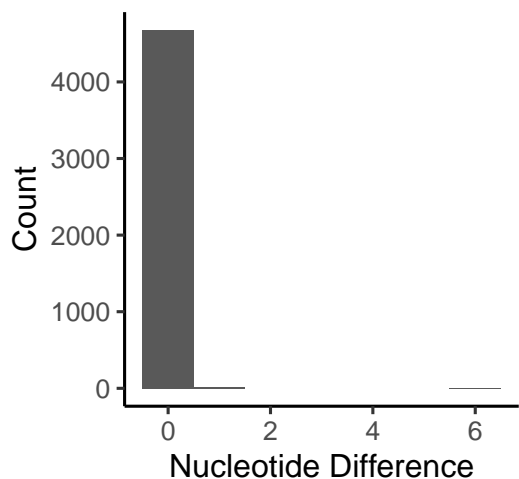
### TRBV28\*ap01

6944 sequences assigned  
6893 (99.3%) exact matches, in which:  
6844 unique CDR3  
13 unique J



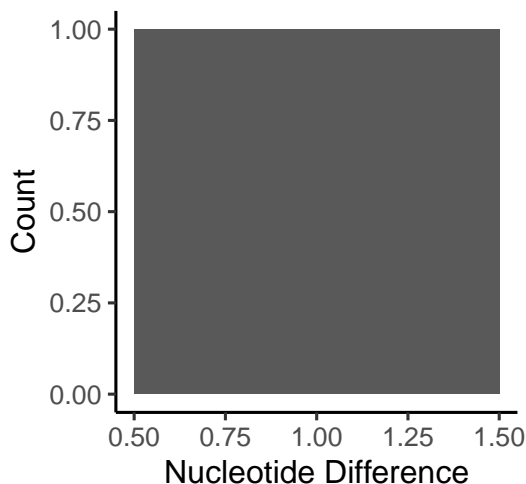
### TRBV18\*ap01

4699 sequences assigned  
4677 (99.5%) exact matches, in which:  
4645 unique CDR3  
13 unique J



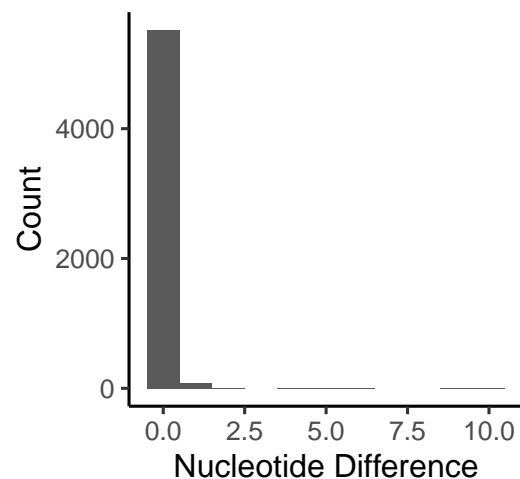
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



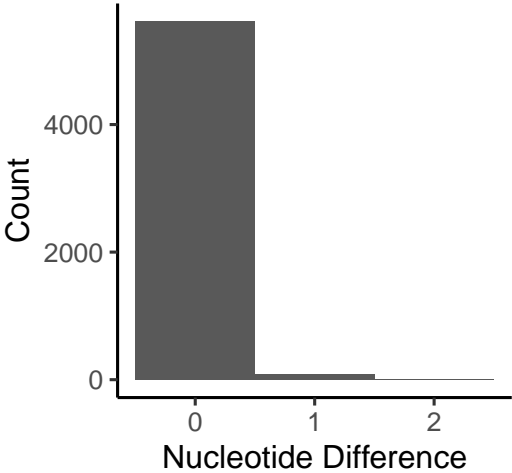
### TRBV30\*ap01

5610 sequences assigned  
5519 (98.4%) exact matches, in which:  
5419 unique CDR3  
13 unique J



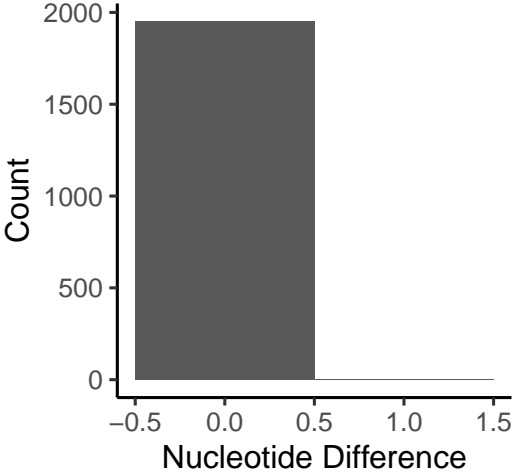
TRBV9\*ap01

5708 sequences assigned  
5617 (98.4%) exact matches, in which:  
5585 unique CDR3  
13 unique J



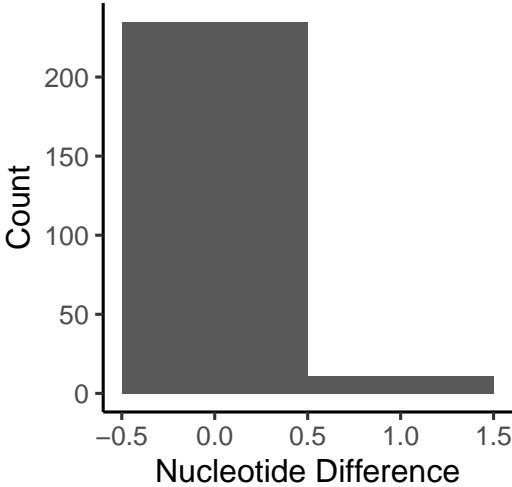
TRBV11-2\*ap01

1953 sequences assigned  
1951 (99.9%) exact matches, in which:  
1943 unique CDR3  
13 unique J



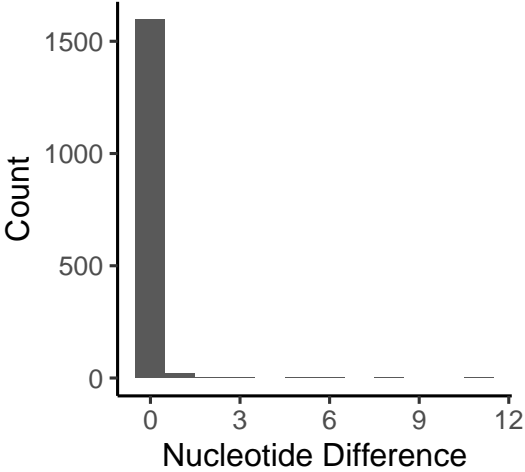
TRBV12-2\*ap01

246 sequences assigned  
235 (95.5%) exact matches, in which:  
232 unique CDR3  
13 unique J



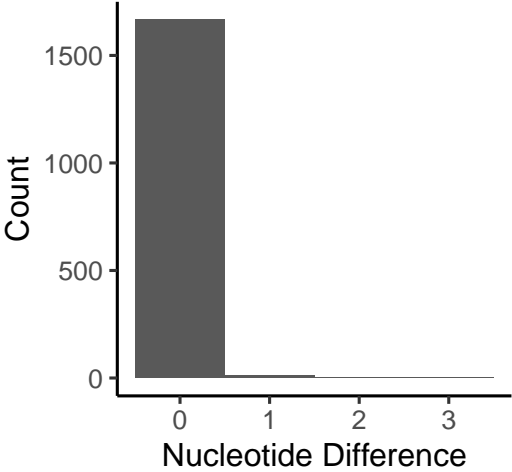
TRBV21-1\*ap01

1624 sequences assigned  
1596 (98.3%) exact matches, in which:  
1584 unique CDR3  
13 unique J



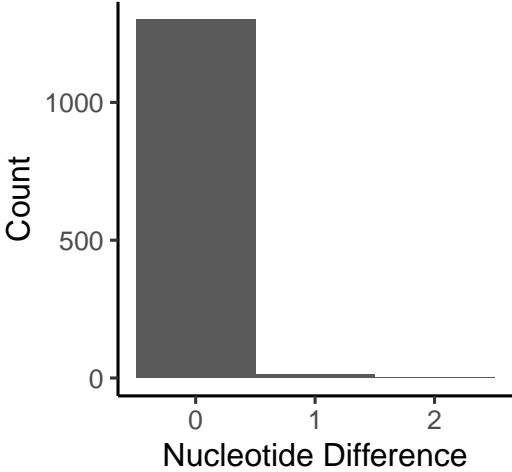
TRBV11-3\*ap01

1681 sequences assigned  
1666 (99.1%) exact matches, in which:  
1659 unique CDR3  
13 unique J



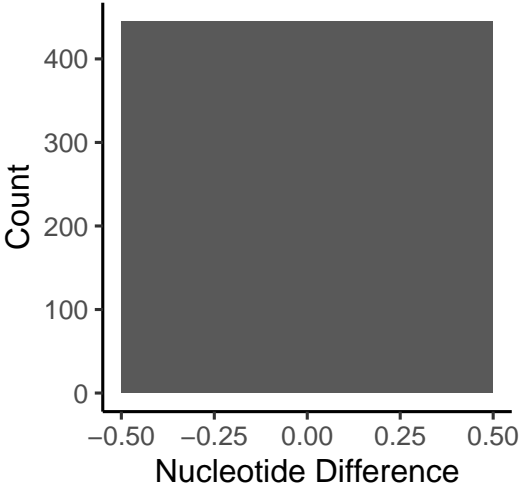
TRBV12-5\*ap01

1312 sequences assigned  
1300 (99.1%) exact matches, in which:  
1287 unique CDR3  
13 unique J



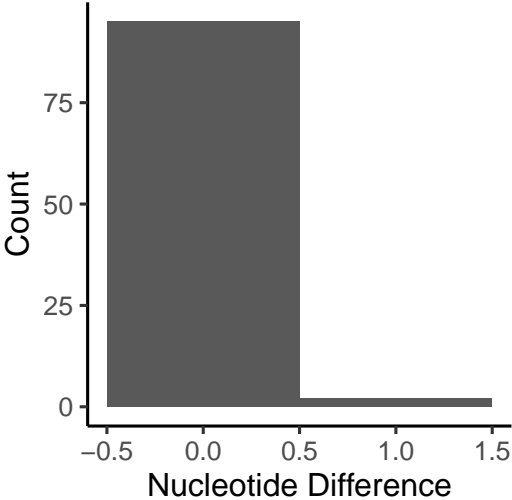
TRBV11-1\*ap01

445 sequences assigned  
445 (100%) exact matches, in which:  
442 unique CDR3  
13 unique J



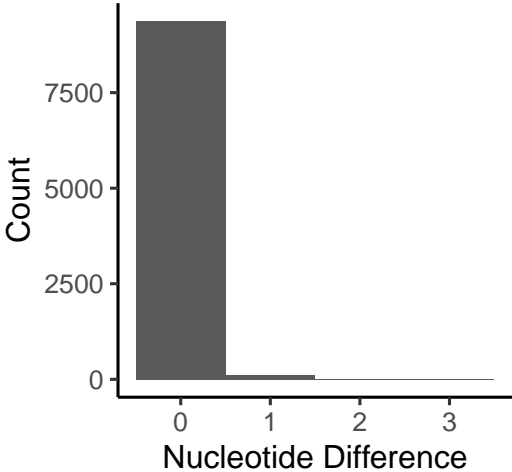
TRBV12-1\*ap01

97 sequences assigned  
95 (97.9%) exact matches, in which:  
93 unique CDR3  
12 unique J



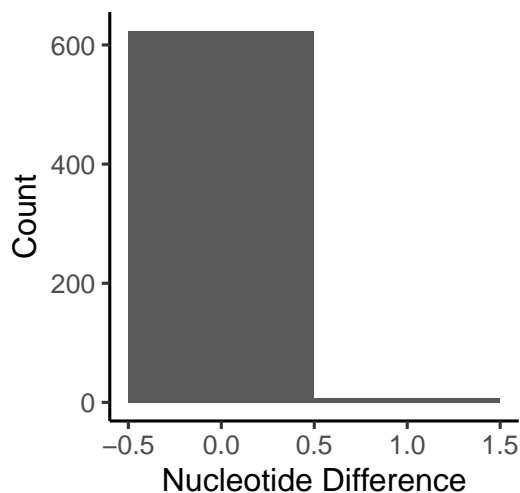
TRBV12-34\*ap01

9482 sequences assigned  
9373 (98.9%) exact matches, in which:  
9271 unique CDR3  
13 unique J



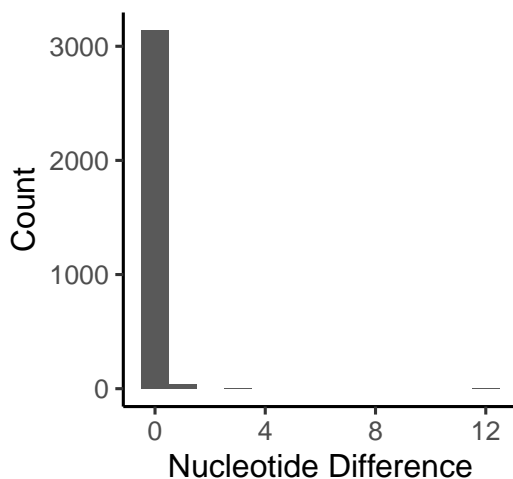
### TRBV23–1\*ap01

632 sequences assigned  
624 (98.7%) exact matches, in which:  
615 unique CDR3  
13 unique J



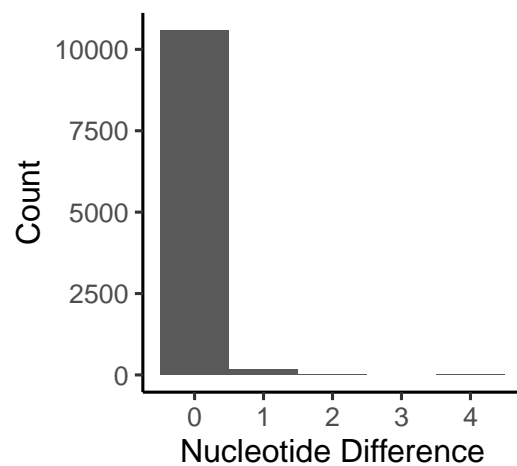
### TRBV24–1\*ap01

3180 sequences assigned  
3139 (98.7%) exact matches, in which:  
3096 unique CDR3  
13 unique J



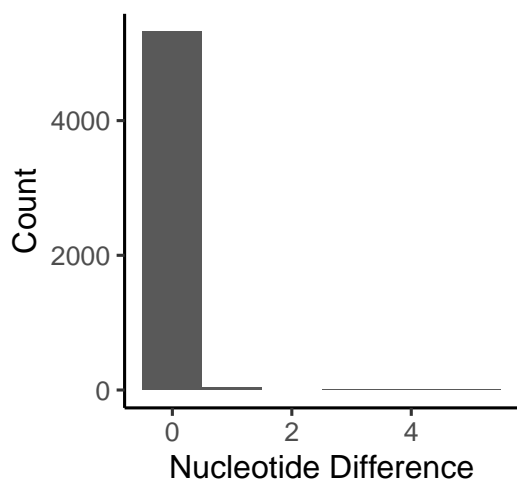
### TRBV5–1\*ap01

10750 sequences assigned  
10590 (98.5%) exact matches, in which:  
10443 unique CDR3  
13 unique J



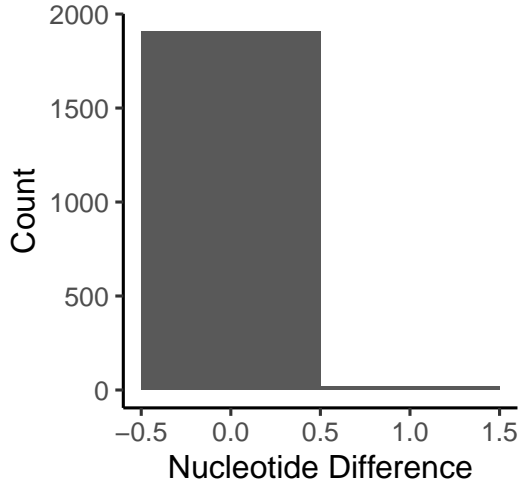
### TRBV3–12\*ap01

5363 sequences assigned  
5320 (99.2%) exact matches, in which:  
5286 unique CDR3  
13 unique J



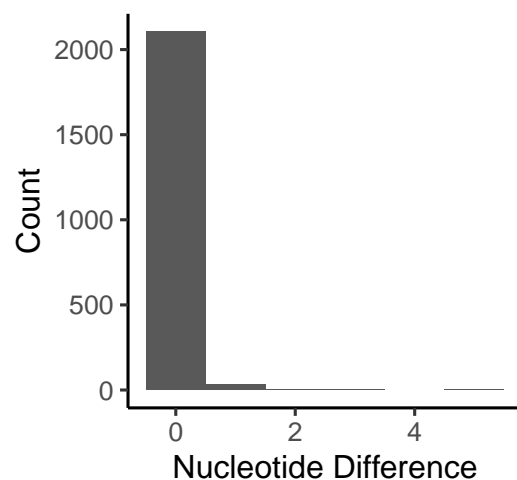
### TRBV4–2\*ap01

1925 sequences assigned  
1906 (99%) exact matches, in which:  
1872 unique CDR3  
13 unique J



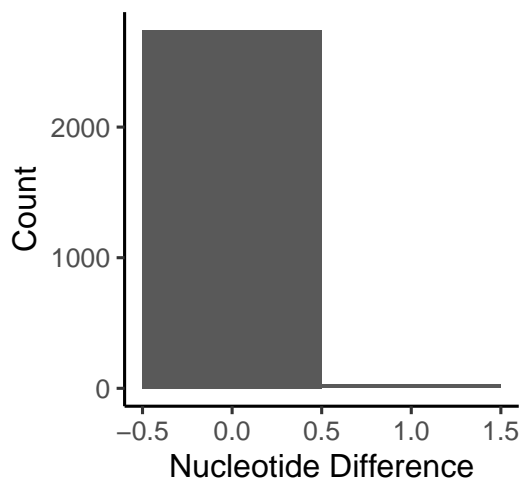
### TRBV25–1\*ap01

2141 sequences assigned  
2105 (98.3%) exact matches, in which:  
2070 unique CDR3  
13 unique J



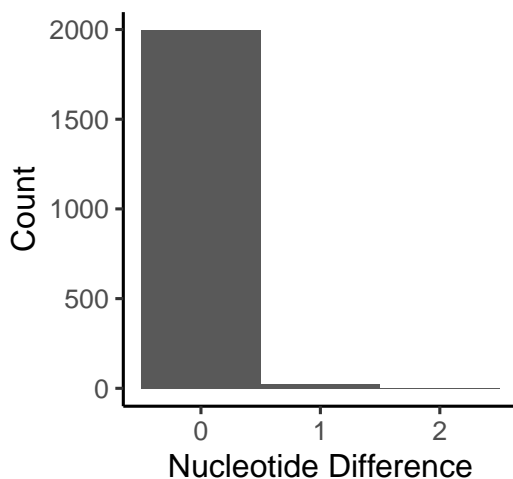
### TRBV4–1\*ap01

2771 sequences assigned  
2743 (99%) exact matches, in which:  
2698 unique CDR3  
13 unique J



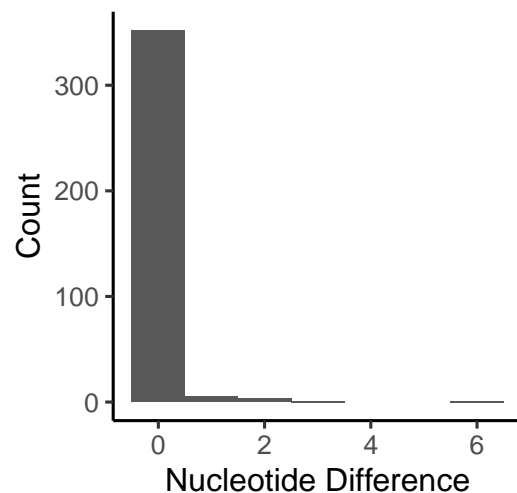
### TRBV4–3\*ap01

2023 sequences assigned  
1997 (98.7%) exact matches, in which:  
1970 unique CDR3  
13 unique J



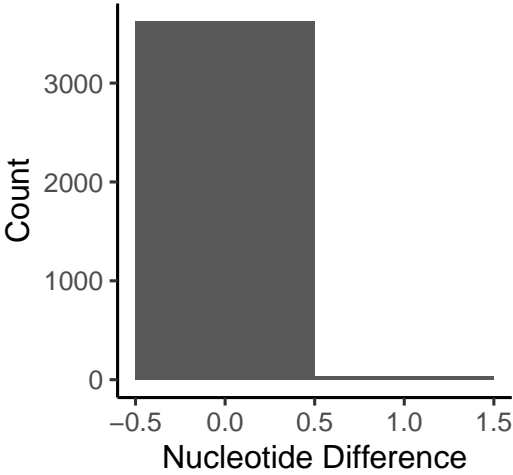
### TRBV5–3\*ap01

362 sequences assigned  
352 (97.2%) exact matches, in which:  
350 unique CDR3  
13 unique J



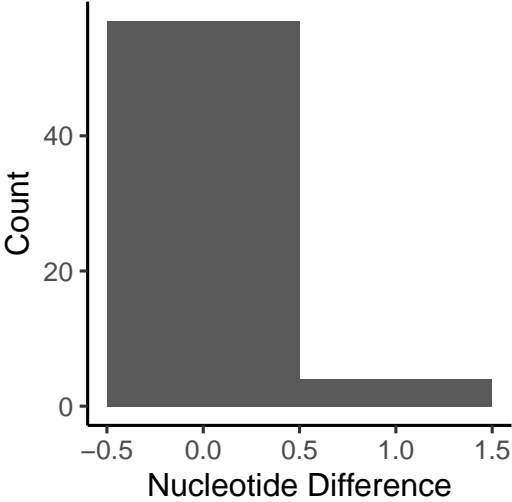
TRBV5-4\*ap01

3661 sequences assigned  
3624 (99%) exact matches, in which:  
3575 unique CDR3  
13 unique J



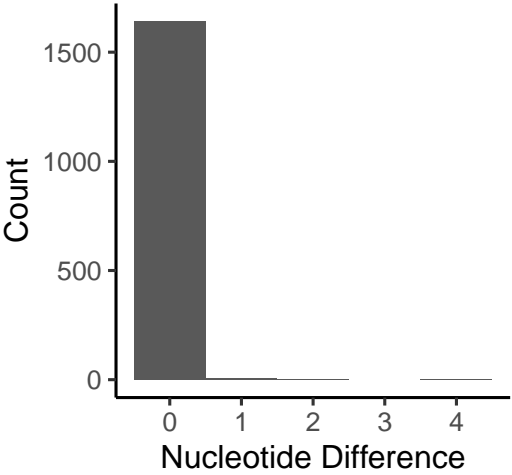
TRBV5-7\*ap01

61 sequences assigned  
57 (93.4%) exact matches, in which:  
56 unique CDR3  
10 unique J



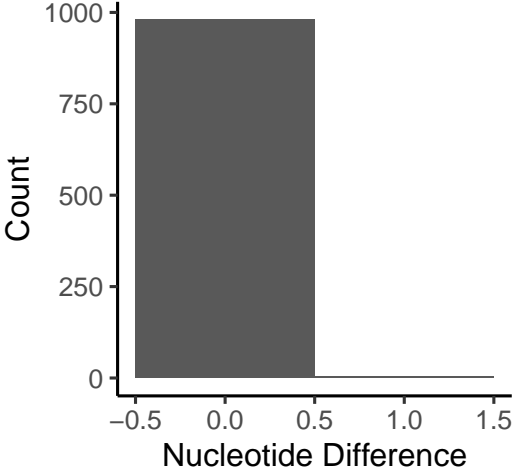
TRBV6-4\*ap01

1652 sequences assigned  
1641 (99.3%) exact matches, in which:  
1625 unique CDR3  
13 unique J



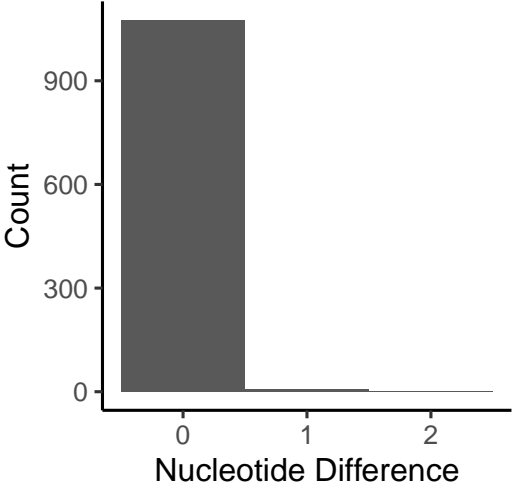
TRBV5-5\*ap01

983 sequences assigned  
980 (99.7%) exact matches, in which:  
977 unique CDR3  
13 unique J



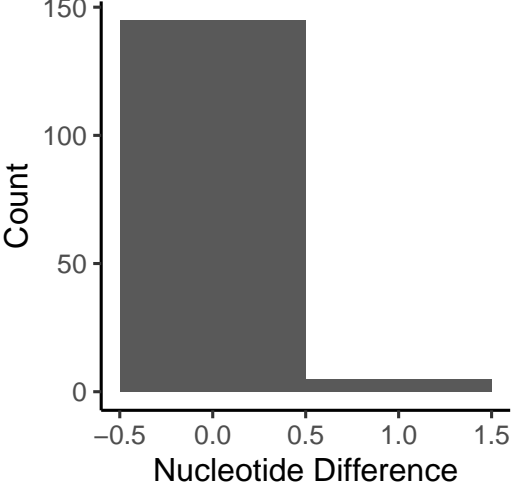
TRBV5-8\*ap01

1083 sequences assigned  
1076 (99.4%) exact matches, in which:  
1067 unique CDR3  
13 unique J



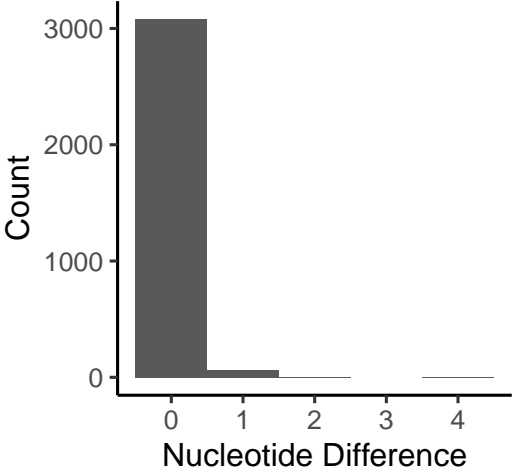
TRBV6-7\*ap01

150 sequences assigned  
145 (96.7%) exact matches, in which:  
144 unique CDR3  
12 unique J



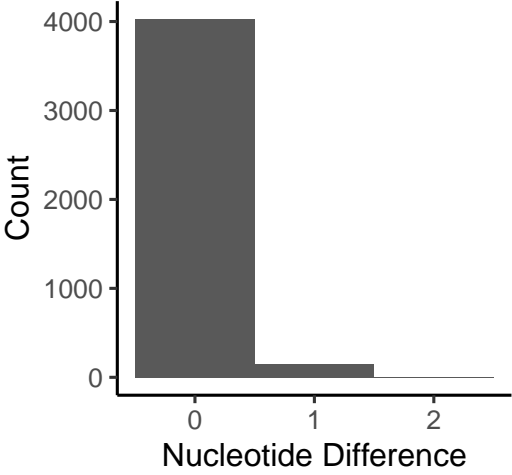
TRBV5-6\*ap01

3148 sequences assigned  
3081 (97.9%) exact matches, in which:  
3003 unique CDR3  
13 unique J



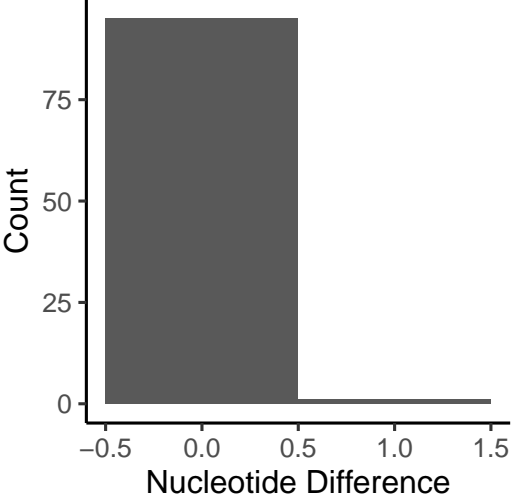
TRBV6-1\*ap01

4179 sequences assigned  
4028 (96.4%) exact matches, in which:  
3963 unique CDR3  
13 unique J



TRBV6-8\*ap01

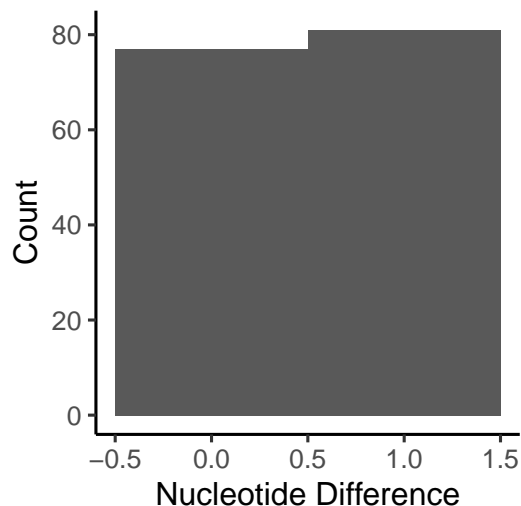
96 sequences assigned  
95 (99%) exact matches, in which:  
94 unique CDR3  
13 unique J





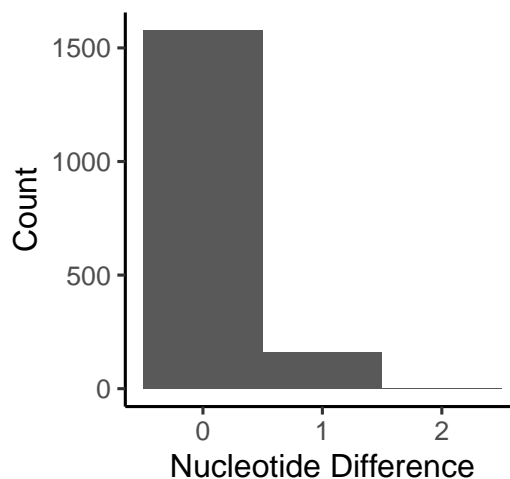
### TRBV6-9\*ap01

158 sequences assigned  
77 (48.7%) exact matches, in which:  
77 unique CDR3  
13 unique J



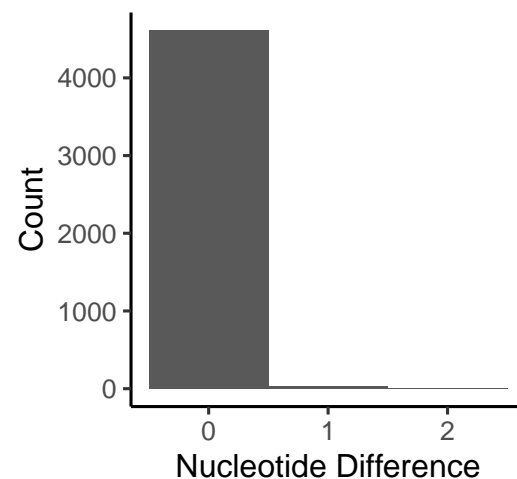
### TRBV6-56\*ap02

1739 sequences assigned  
1577 (90.7%) exact matches, in which:  
1559 unique CDR3  
13 unique J



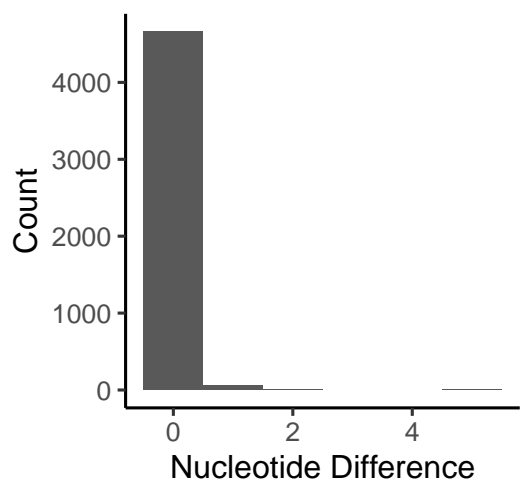
### TRBV7-2\*ap01

4641 sequences assigned  
4611 (99.4%) exact matches, in which:  
4565 unique CDR3  
13 unique J



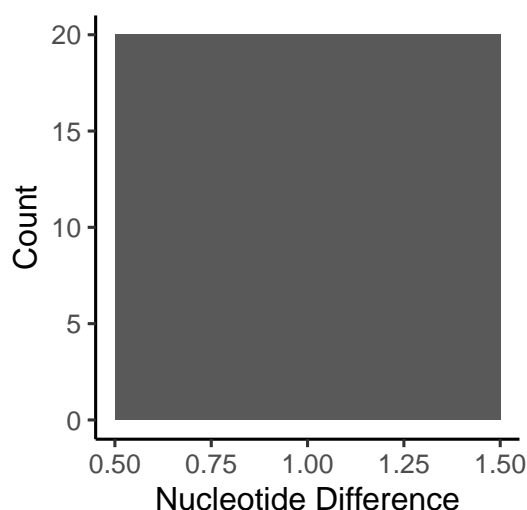
### TRBV6-23\*ap01

4714 sequences assigned  
4659 (98.8%) exact matches, in which:  
4578 unique CDR3  
13 unique J



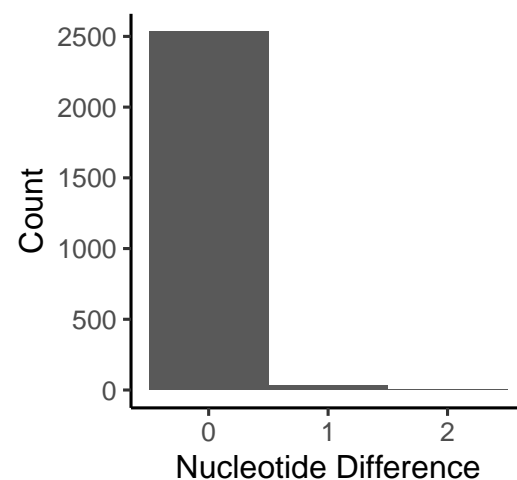
### TRBV7-1\*ap01\_T296C

20 sequences assigned  
No exact matches.



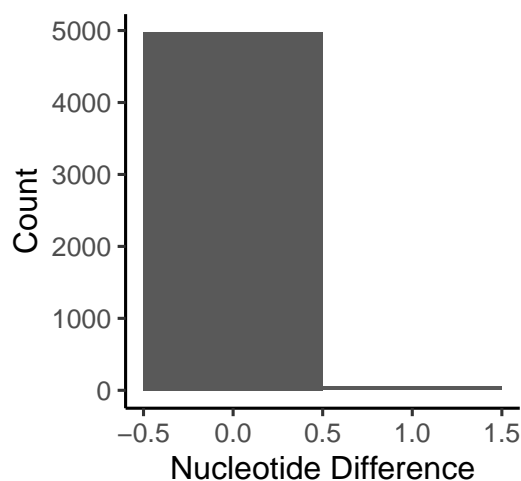
### TRBV7-3\*ap01

2567 sequences assigned  
2533 (98.7%) exact matches, in which:  
2517 unique CDR3  
13 unique J



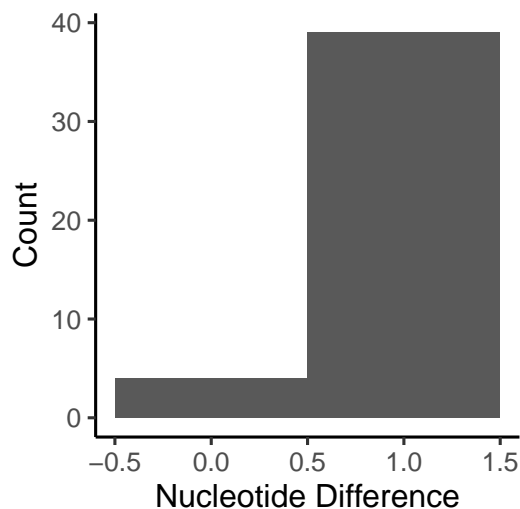
### TRBV6-56\*ap01

5031 sequences assigned  
4979 (99%) exact matches, in which:  
4902 unique CDR3  
13 unique J



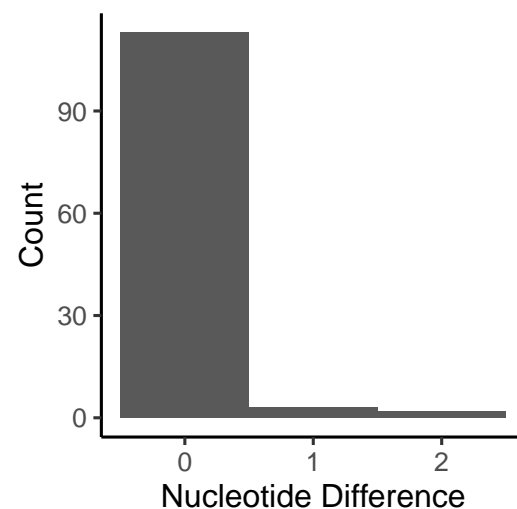
### TRBV7-1\*ap01\_T296C\_C

43 sequences assigned  
4 (9.3%) exact matches, in which:  
4 unique CDR3  
3 unique J



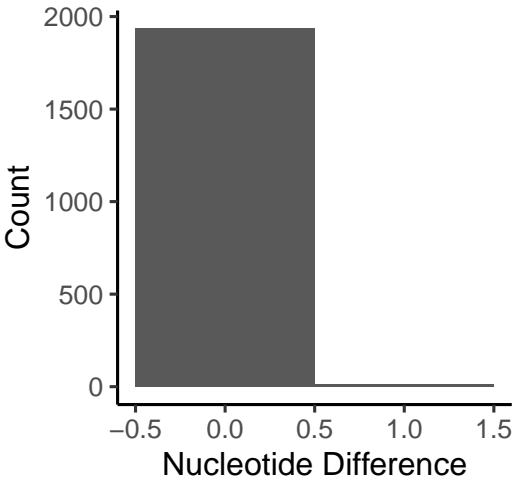
### TRBV7-4\*ap01

118 sequences assigned  
113 (95.8%) exact matches, in which:  
113 unique CDR3  
12 unique J



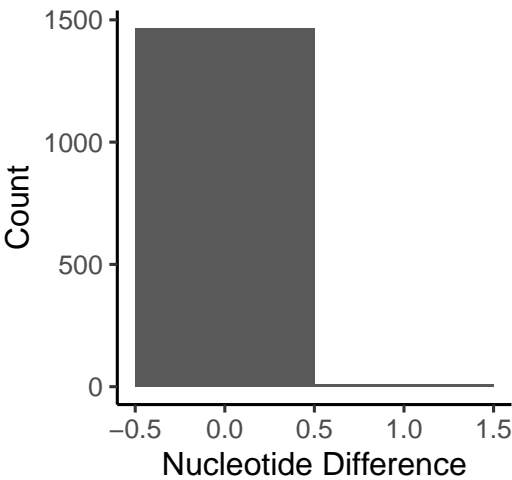
TRBV7-6\*ap01

1950 sequences assigned  
1936 (99.3%) exact matches, in which:  
1915 unique CDR3  
13 unique J



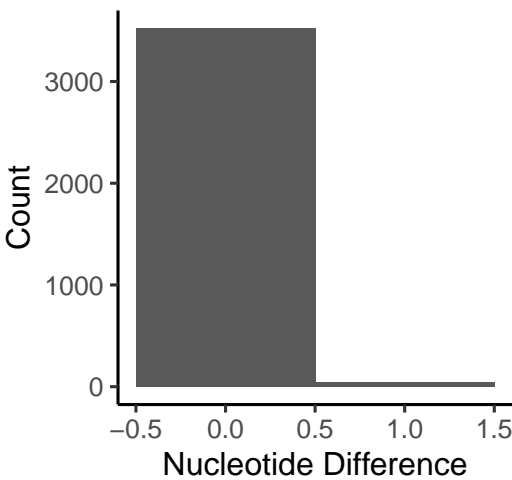
TRBV7-8\*ap01

1475 sequences assigned  
1465 (99.3%) exact matches, in which:  
1454 unique CDR3  
13 unique J



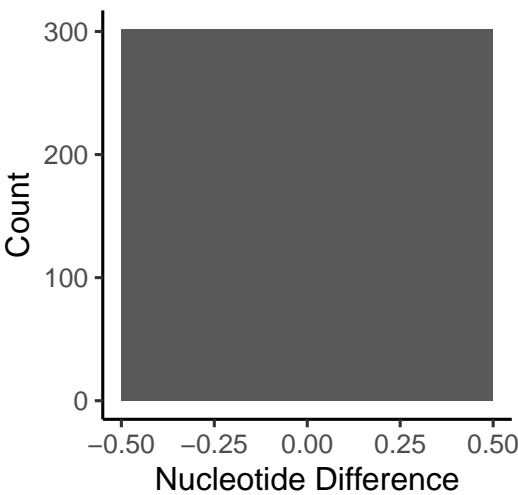
TRBV29-1\*ap01

3565 sequences assigned  
3522 (98.8%) exact matches, in which:  
3453 unique CDR3  
13 unique J



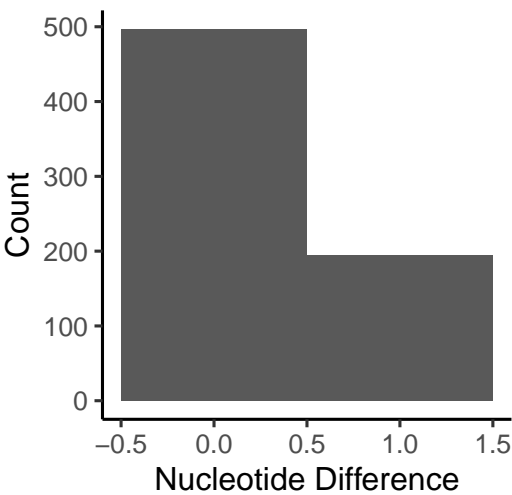
TRBV7-7\*ap01

302 sequences assigned  
302 (100%) exact matches, in which:  
298 unique CDR3  
13 unique J



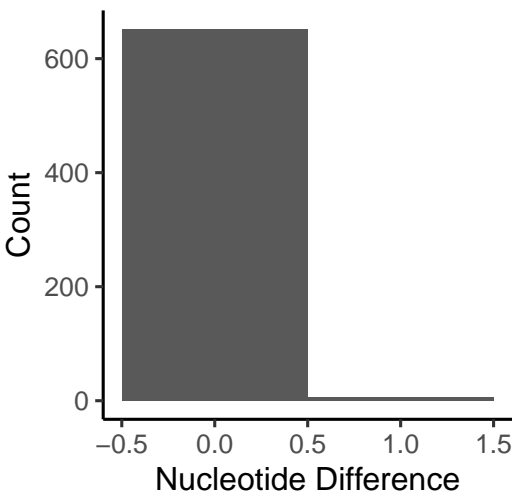
TRBV7-8\*ap03

692 sequences assigned  
497 (71.8%) exact matches, in which:  
491 unique CDR3  
13 unique J



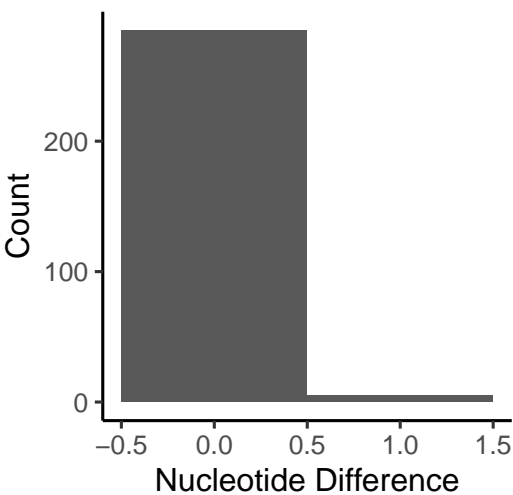
TRBV29-1\*ap02

659 sequences assigned  
652 (98.9%) exact matches, in which:  
640 unique CDR3  
13 unique J



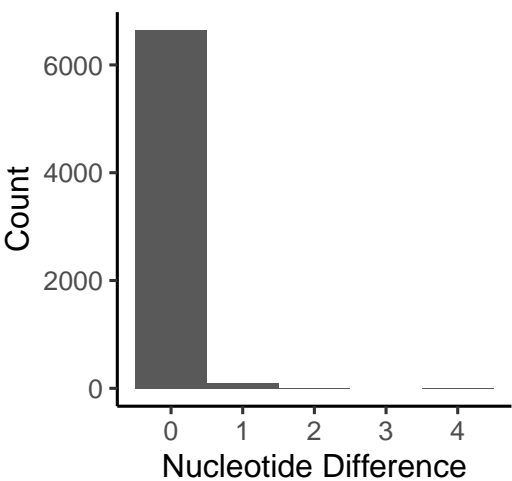
TRBV7-7\*ap01\_C315T

290 sequences assigned  
285 (98.3%) exact matches, in which:  
283 unique CDR3  
13 unique J

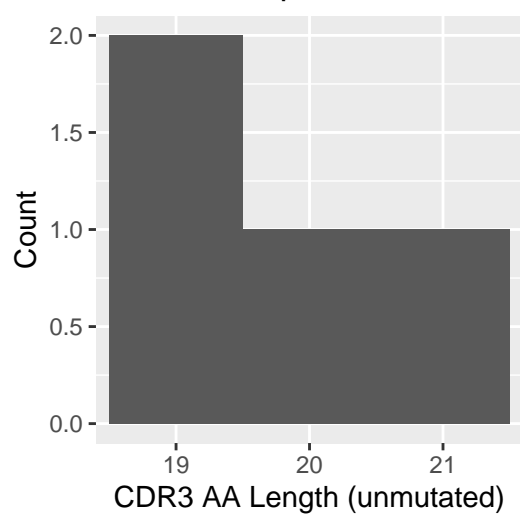


TRBV7-9\*ap01

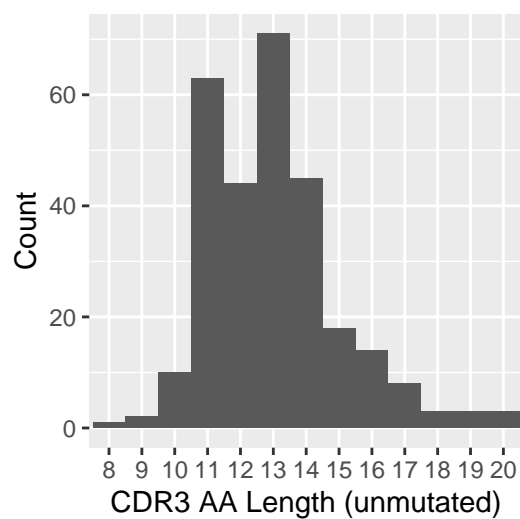
6742 sequences assigned  
6647 (98.6%) exact matches, in which:  
6583 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C\_C314T



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.