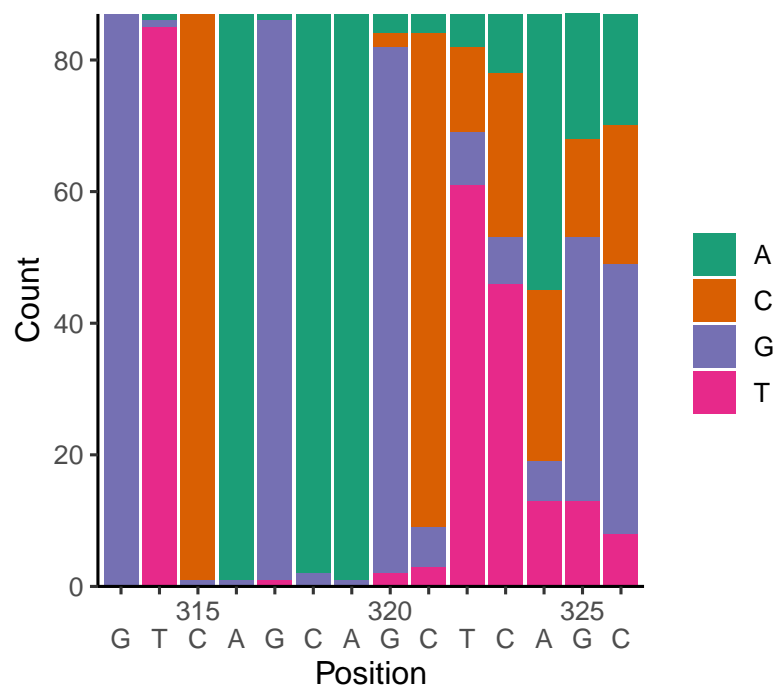
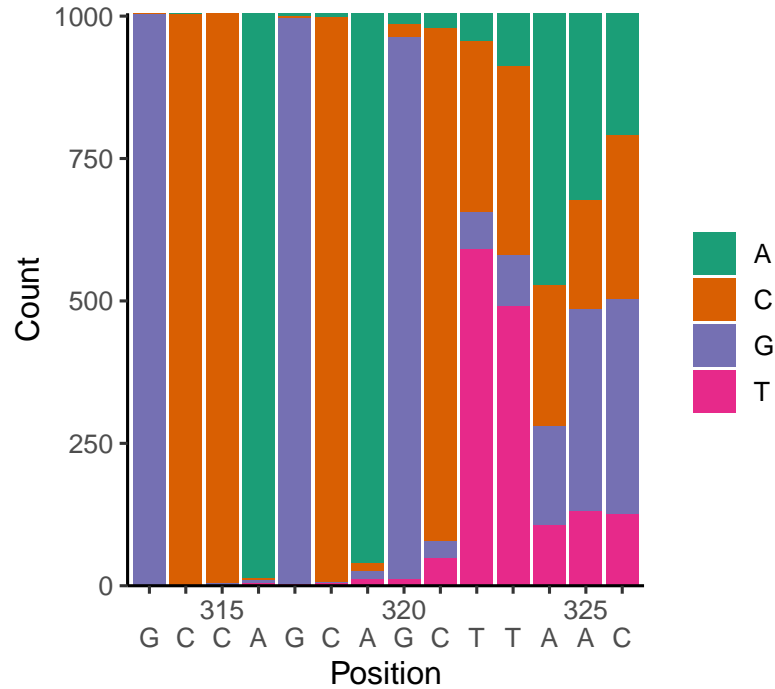


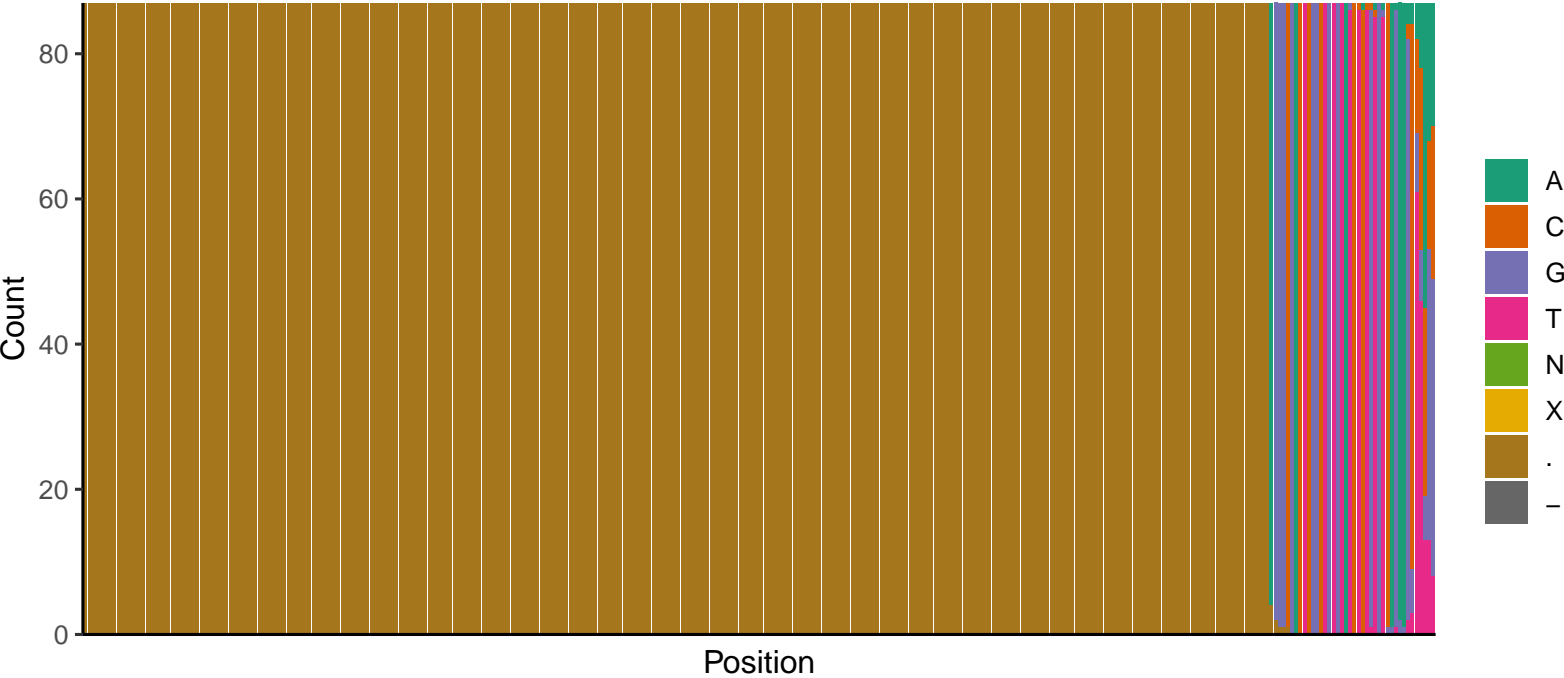
Gene TRBV7-1*ap01_G291C_T296C_C314T



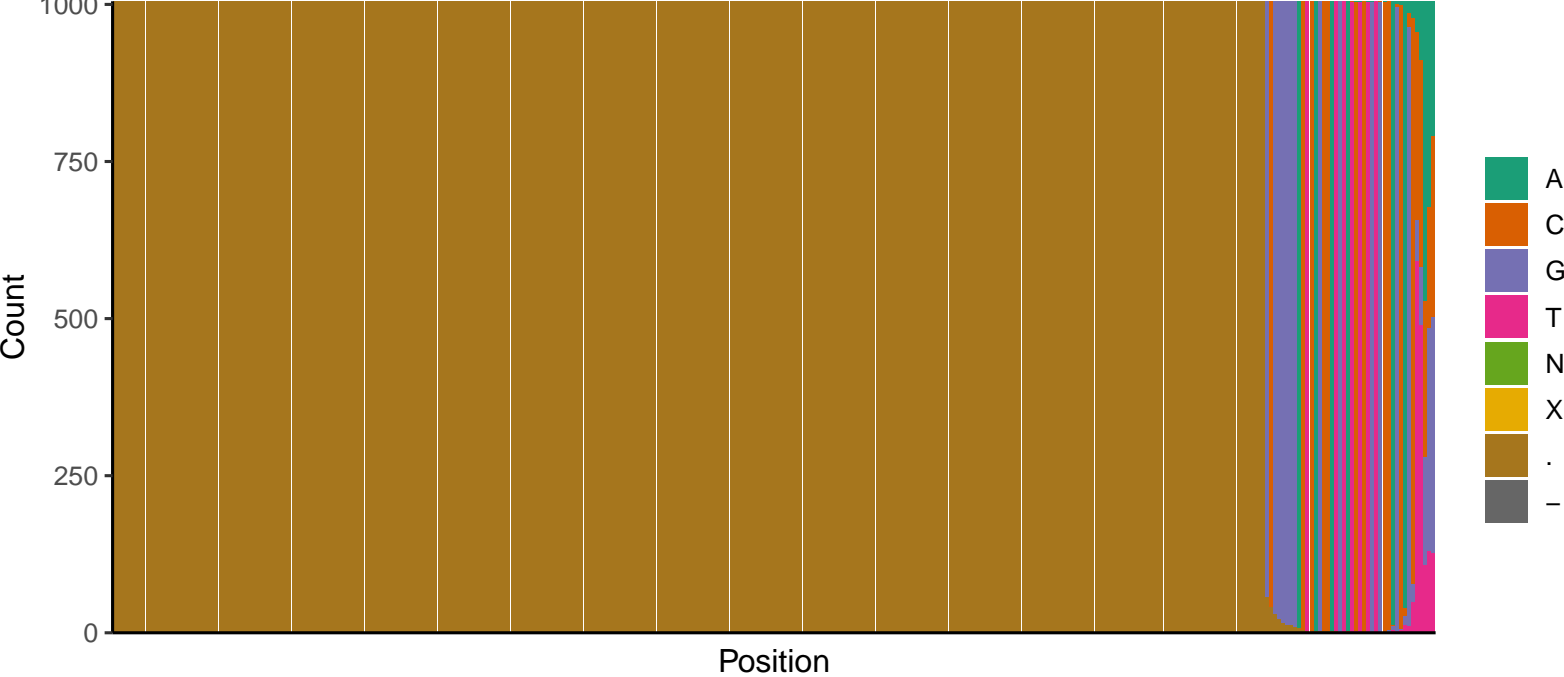
Gene TRBV7-3*ap01_G301A



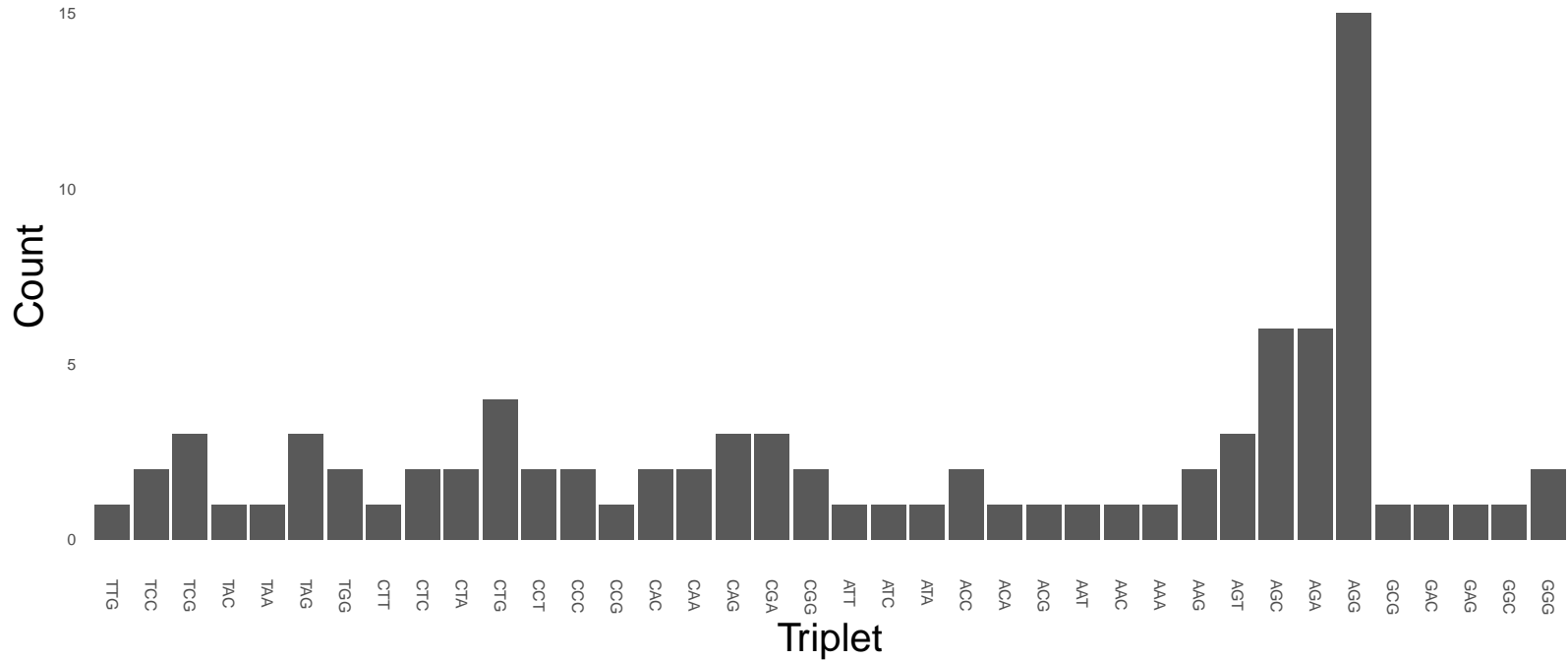
Gene TRBV7-1*ap01_G291C_T296C_C314T



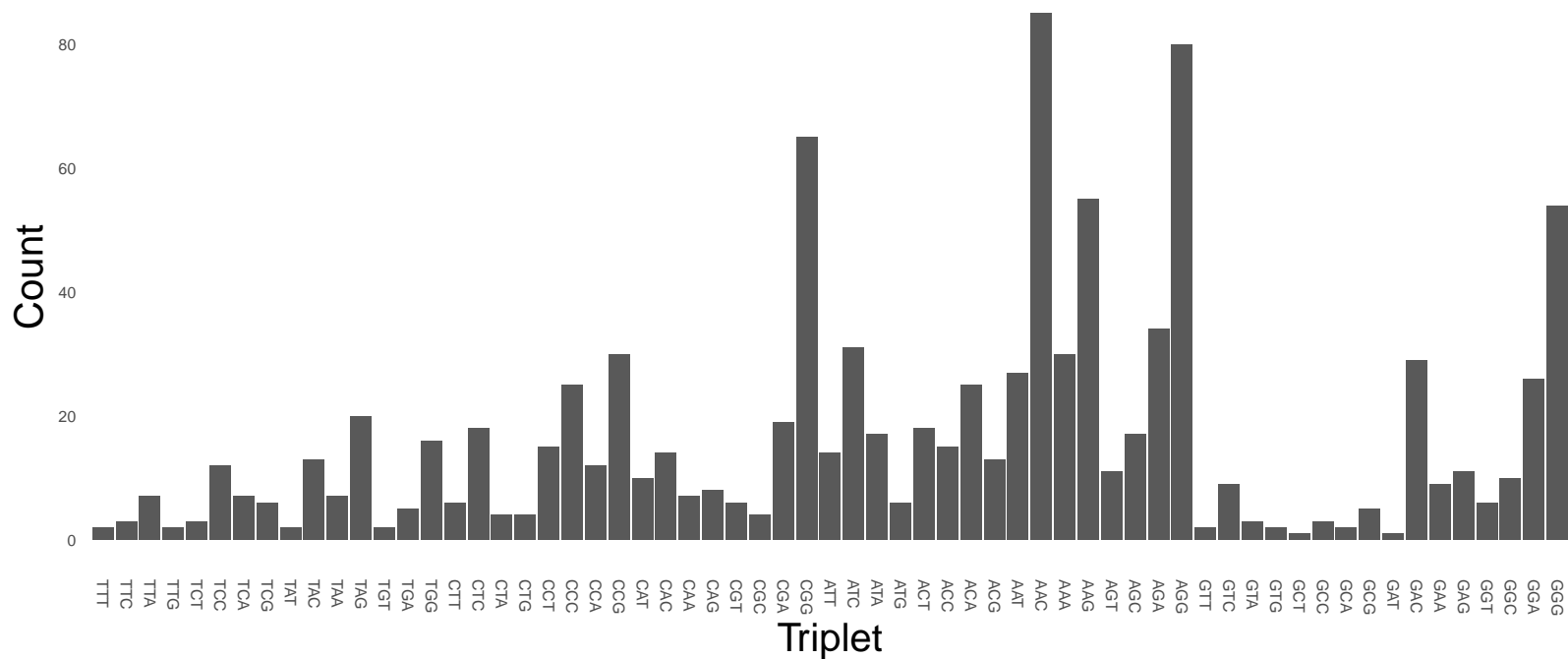
Gene TRBV7-3*ap01_G301A



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

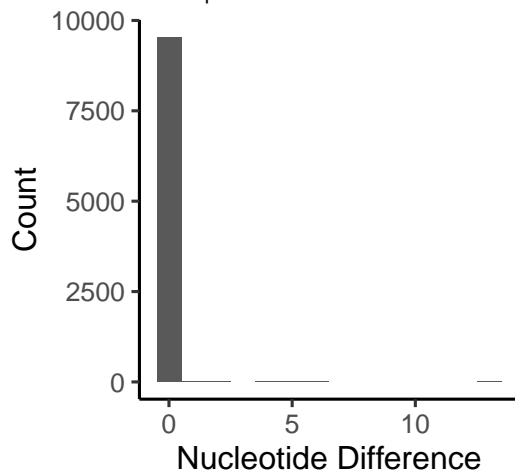


TRBV7-3*ap01_G301A- Final 3 nucleotides as a triplet



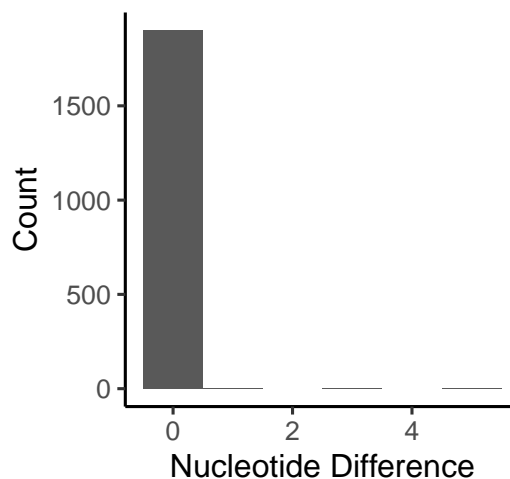
TRBV20-1*ap01

9581 sequences assigned
9538 (99.6%) exact matches, in which:
9500 unique CDR3
13 unique J



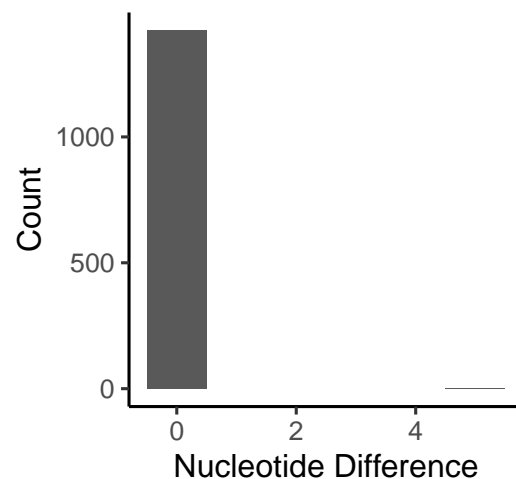
TRBV10-3*ap01

1904 sequences assigned
1900 (99.8%) exact matches, in which:
1894 unique CDR3
12 unique J



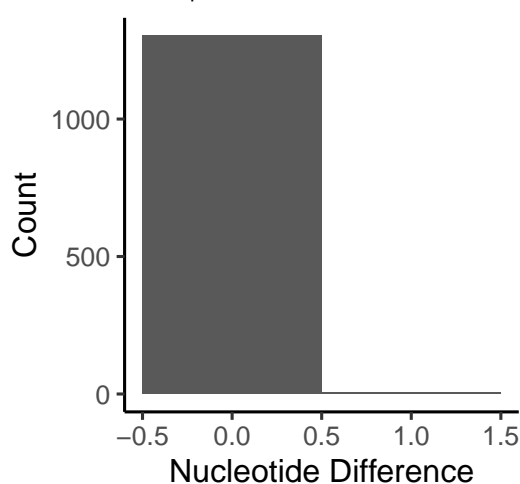
TRBV14*ap01

1424 sequences assigned
1423 (99.9%) exact matches, in which:
1420 unique CDR3
13 unique J



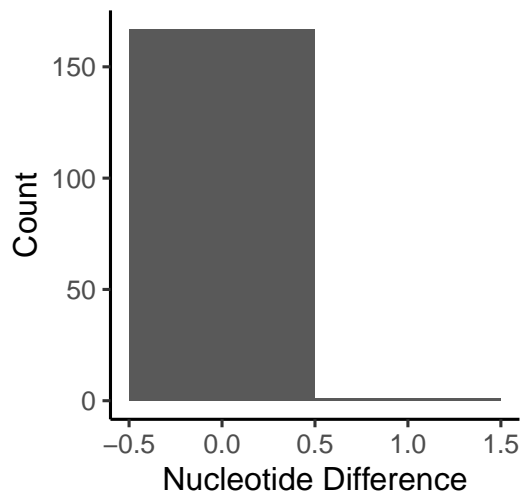
TRBV10-1*ap01

1308 sequences assigned
1303 (99.6%) exact matches, in which:
1302 unique CDR3
13 unique J



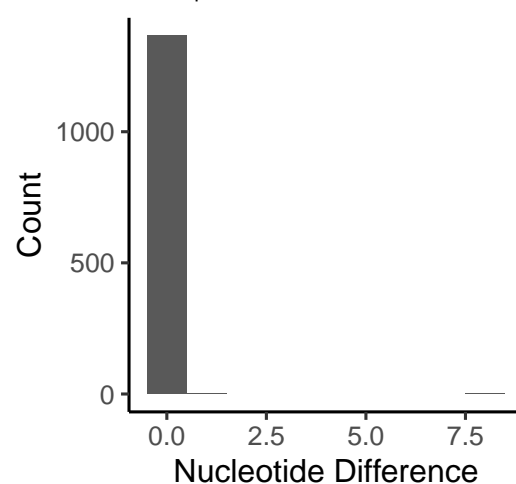
TRBV1*ap01

168 sequences assigned
167 (99.4%) exact matches, in which:
165 unique CDR3
12 unique J



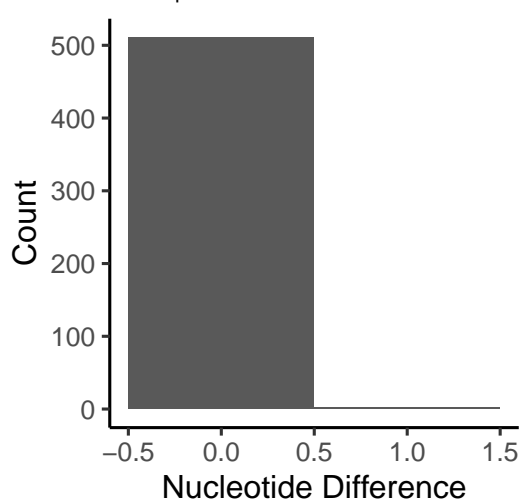
TRBV15*ap02

1370 sequences assigned
1366 (99.7%) exact matches, in which:
1355 unique CDR3
13 unique J



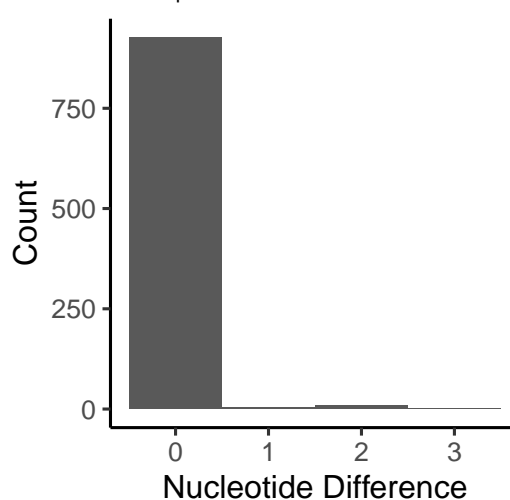
TRBV10-2*ap01

513 sequences assigned
511 (99.6%) exact matches, in which:
510 unique CDR3
12 unique J



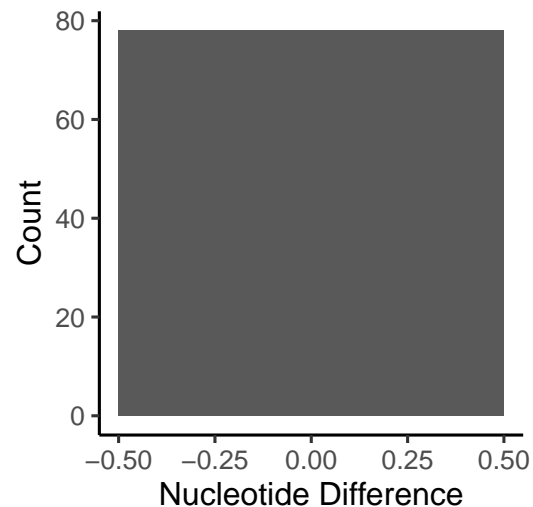
TRBV13*ap01

942 sequences assigned
927 (98.4%) exact matches, in which:
921 unique CDR3
13 unique J



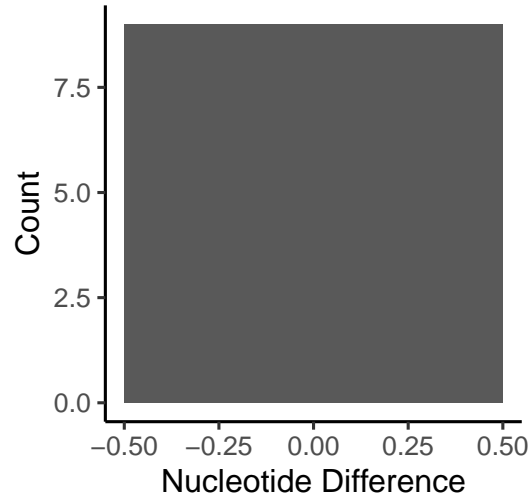
TRBV16*ap01

78 sequences assigned
78 (100%) exact matches, in which:
78 unique CDR3
11 unique J



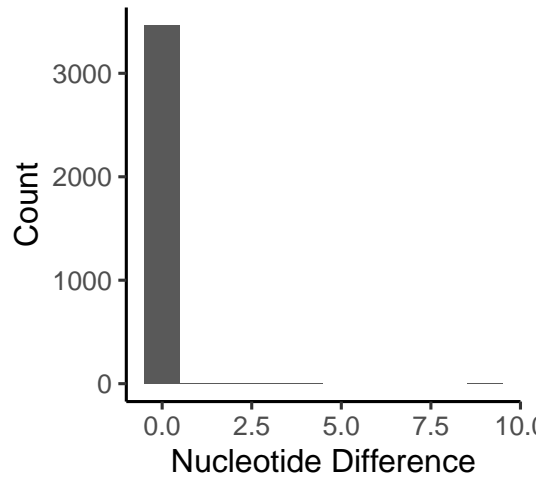
TRBV17*ap01

9 sequences assigned
9 (100%) exact matches, in which:
9 unique CDR3
7 unique J



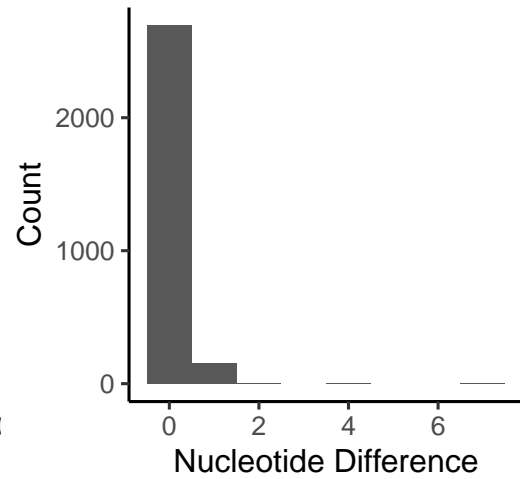
TRBV2*ap01

3476 sequences assigned
3463 (99.6%) exact matches, in which:
3444 unique CDR3
13 unique J



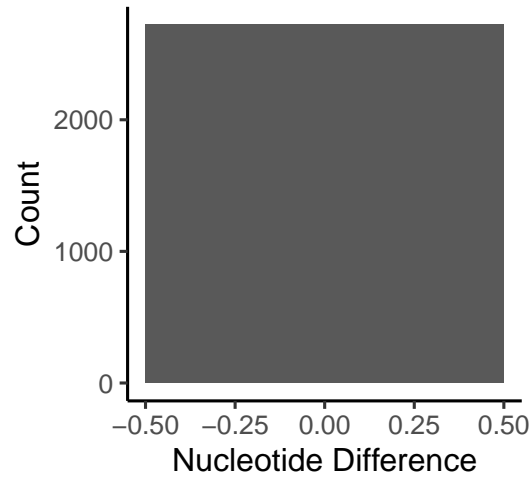
TRBV30*ap01

2852 sequences assigned
2694 (94.5%) exact matches, in which:
2688 unique CDR3
13 unique J



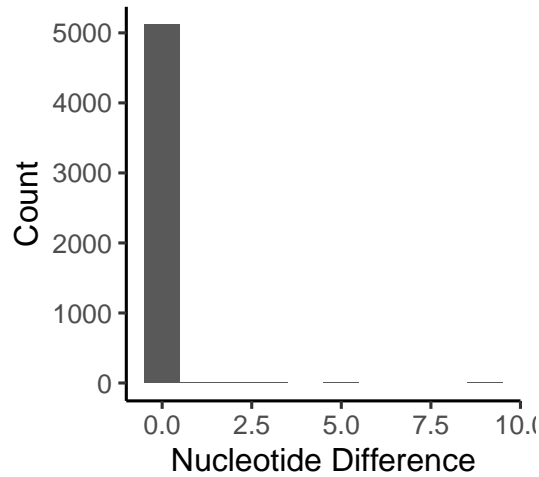
TRBV18*ap01

2722 sequences assigned
2722 (100%) exact matches, in which:
2721 unique CDR3
13 unique J



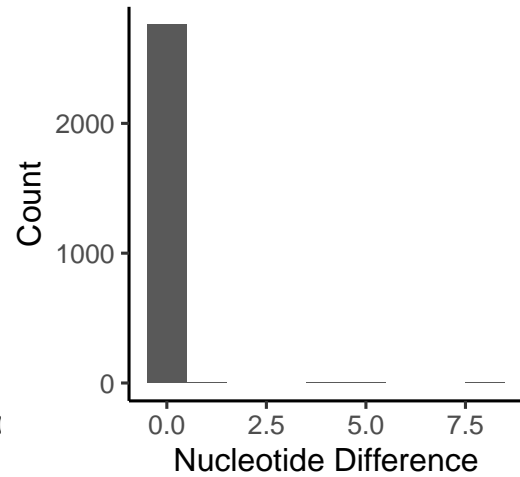
TRBV27*ap01

5130 sequences assigned
5116 (99.7%) exact matches, in which:
5088 unique CDR3
13 unique J



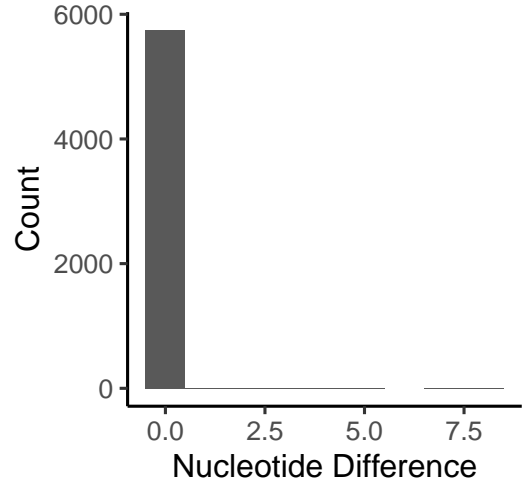
TRBV9*ap01

2770 sequences assigned
2760 (99.6%) exact matches, in which:
2750 unique CDR3
13 unique J



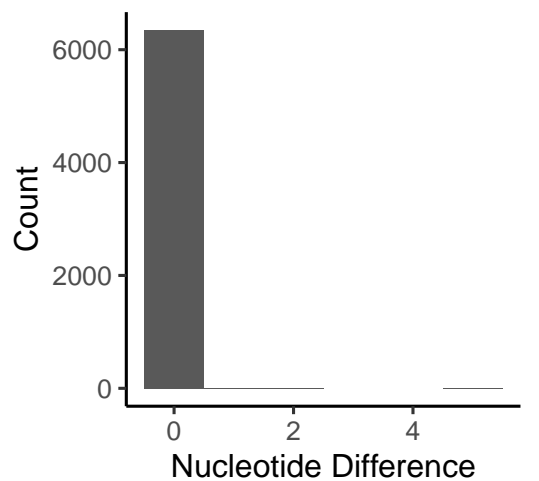
TRBV19*ap01

5764 sequences assigned
5747 (99.7%) exact matches, in which:
5743 unique CDR3
13 unique J



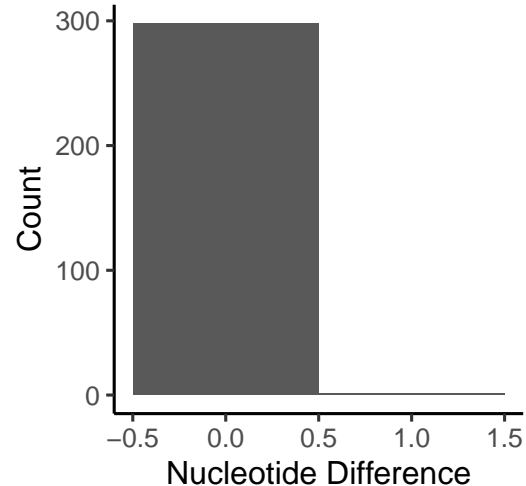
TRBV28*ap01

6361 sequences assigned
6348 (99.8%) exact matches, in which:
6340 unique CDR3
13 unique J



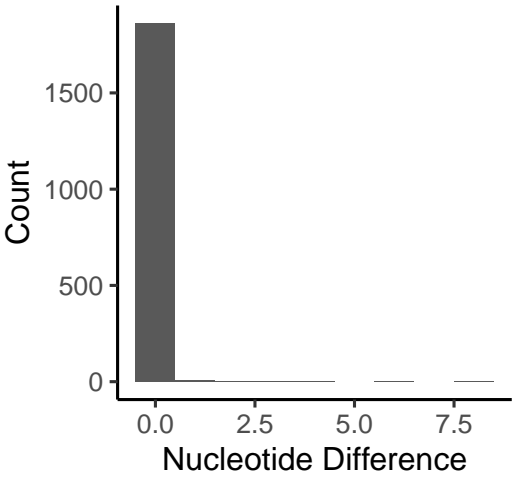
TRBV11-1*ap01

299 sequences assigned
298 (99.7%) exact matches, in which:
298 unique CDR3
12 unique J



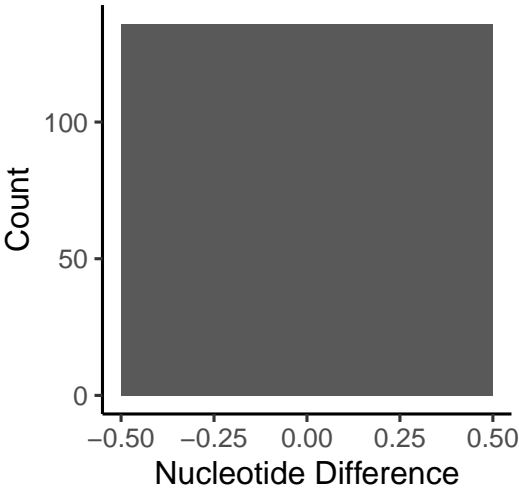
TRBV21-1*ap01

1880 sequences assigned
1861 (99%) exact matches, in which:
1861 unique CDR3
12 unique J



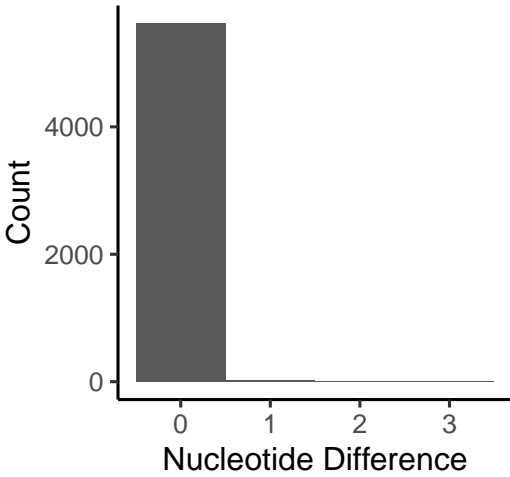
TRBV12-1*ap01

136 sequences assigned
136 (100%) exact matches, in which:
136 unique CDR3
12 unique J



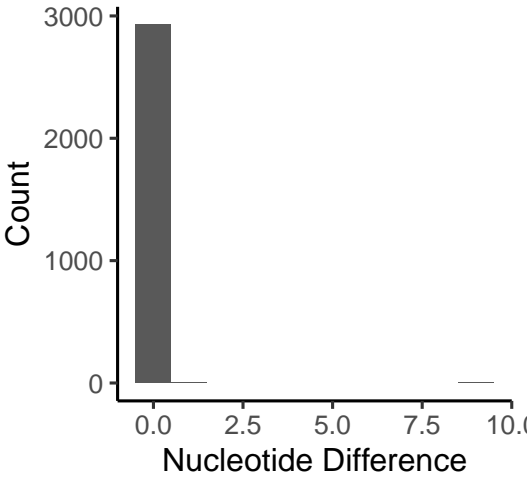
TRBV12-34*ap01

5646 sequences assigned
5624 (99.6%) exact matches, in which:
5610 unique CDR3
13 unique J



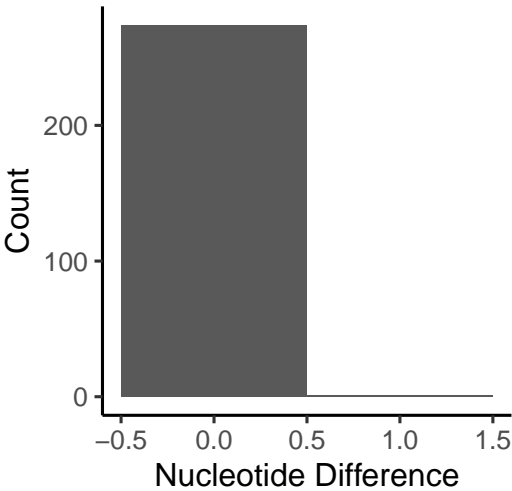
TRBV11-2*ap01

2935 sequences assigned
2928 (99.8%) exact matches, in which:
2927 unique CDR3
13 unique J



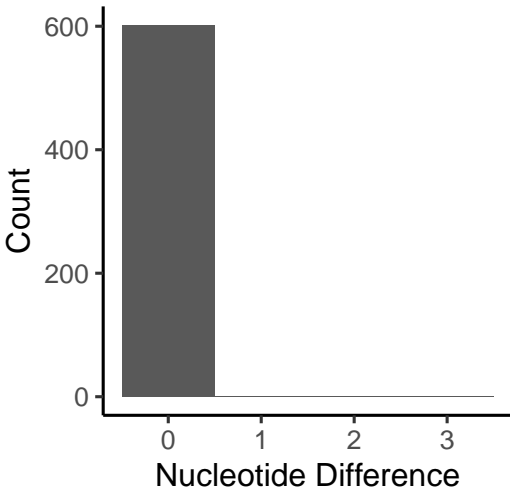
TRBV12-2*ap01

275 sequences assigned
274 (99.6%) exact matches, in which:
274 unique CDR3
12 unique J



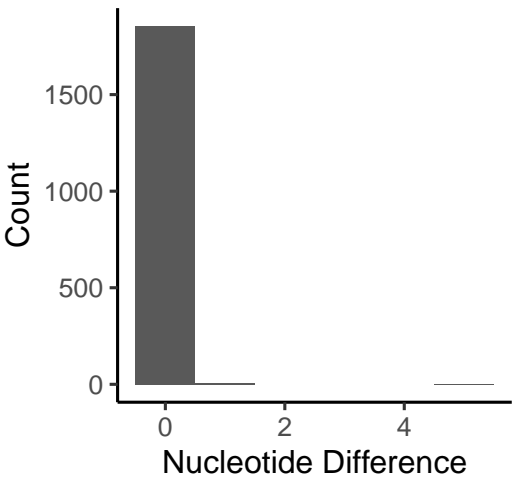
TRBV23-1*ap01

605 sequences assigned
602 (99.5%) exact matches, in which:
602 unique CDR3
12 unique J



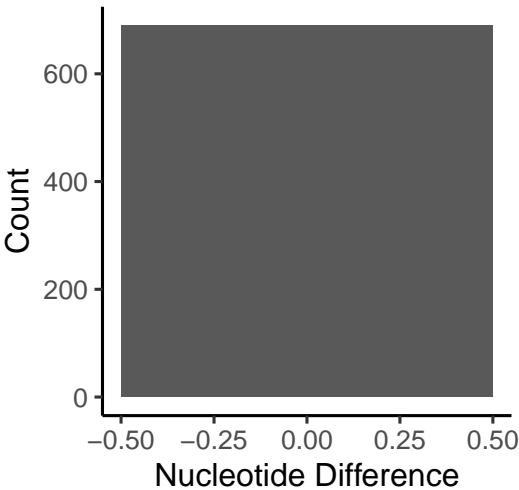
TRBV11-3*ap01

1862 sequences assigned
1855 (99.6%) exact matches, in which:
1853 unique CDR3
13 unique J



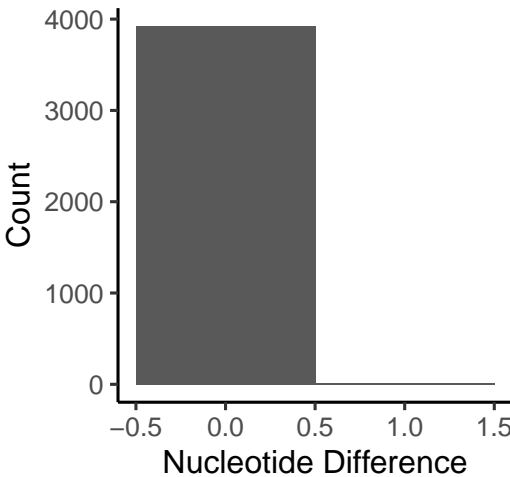
TRBV12-5*ap01

690 sequences assigned
690 (100%) exact matches, in which:
689 unique CDR3
12 unique J



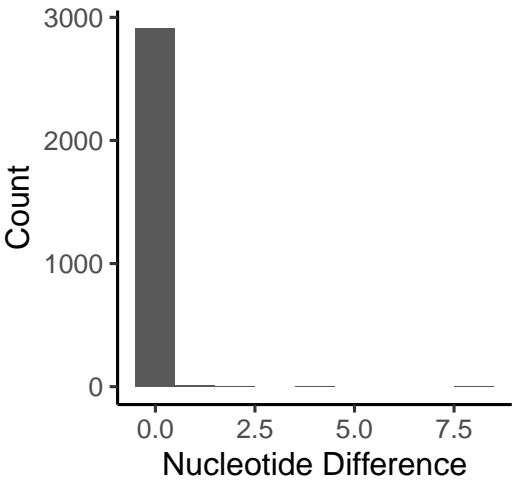
TRBV3-12*ap01

3939 sequences assigned
3924 (99.6%) exact matches, in which:
3913 unique CDR3
13 unique J



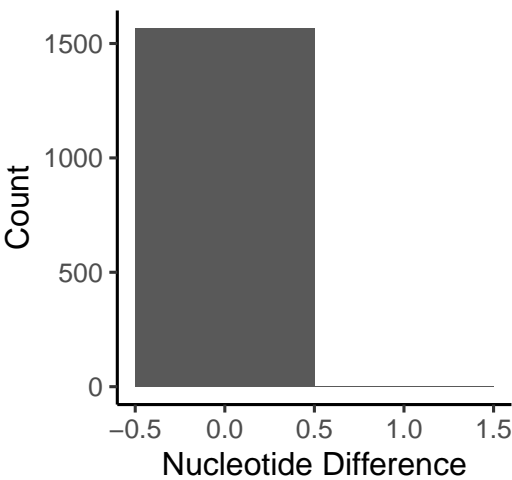
TRBV24-1*ap01

2925 sequences assigned
2910 (99.5%) exact matches, in which:
2906 unique CDR3
13 unique J



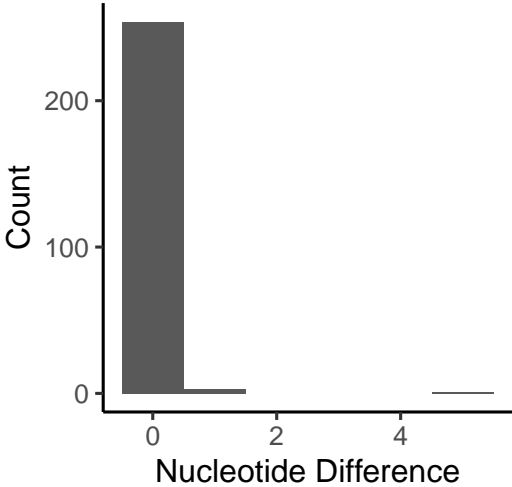
TRBV4-3*ap01

1569 sequences assigned
1566 (99.8%) exact matches, in which:
1563 unique CDR3
12 unique J



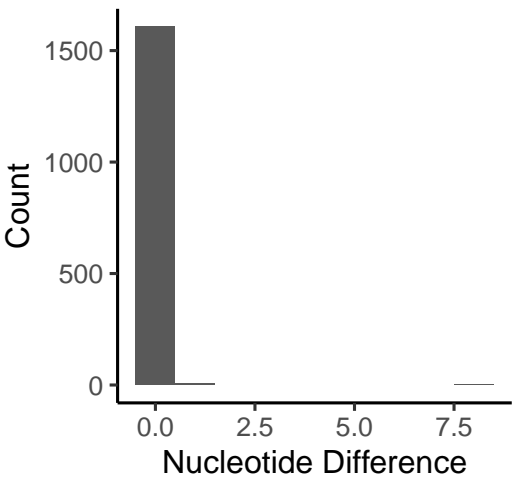
TRBV5-3*ap01

258 sequences assigned
254 (98.4%) exact matches, in which:
254 unique CDR3
12 unique J



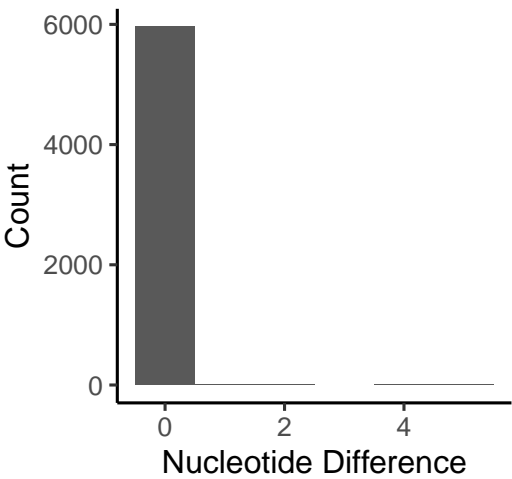
TRBV4-1*ap01

1613 sequences assigned
1607 (99.6%) exact matches, in which:
1603 unique CDR3
13 unique J



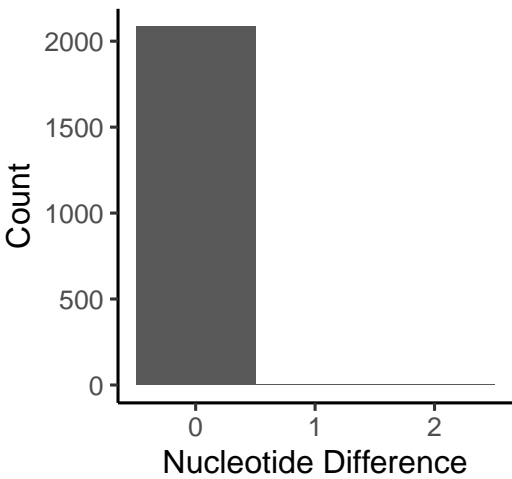
TRBV5-1*ap01

5979 sequences assigned
5961 (99.7%) exact matches, in which:
5928 unique CDR3
13 unique J



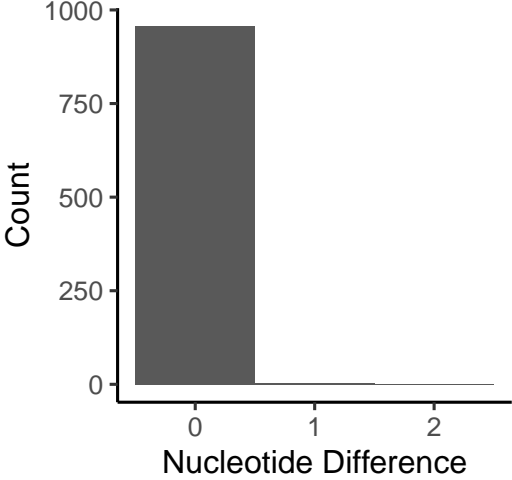
TRBV5-4*ap01

2090 sequences assigned
2084 (99.7%) exact matches, in which:
2078 unique CDR3
13 unique J



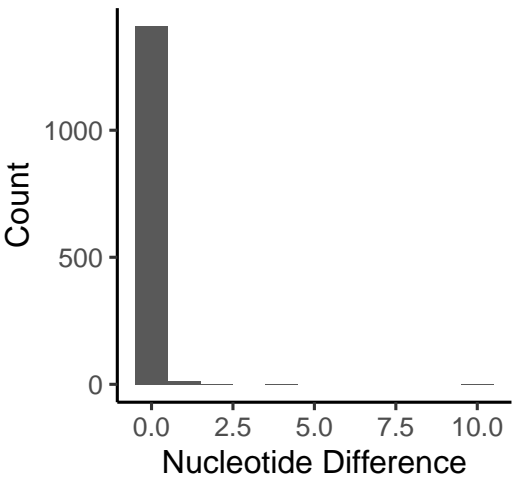
TRBV4-2*ap01

962 sequences assigned
957 (99.5%) exact matches, in which:
954 unique CDR3
13 unique J



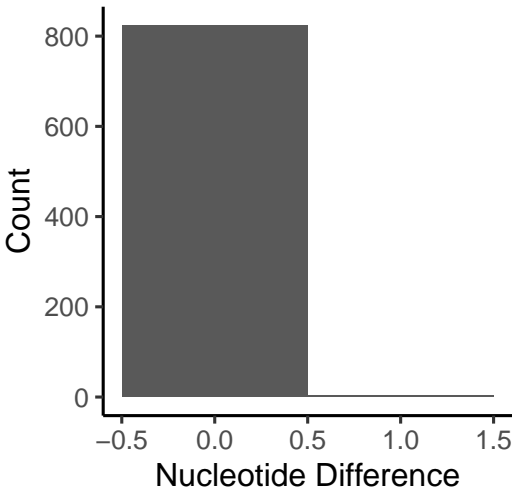
TRBV25-1*ap01

1426 sequences assigned
1410 (98.9%) exact matches, in which:
1408 unique CDR3
13 unique J



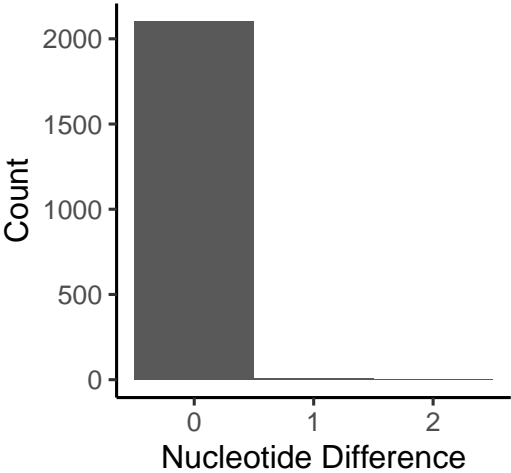
TRBV5-5*ap01

828 sequences assigned
824 (99.5%) exact matches, in which:
824 unique CDR3
12 unique J



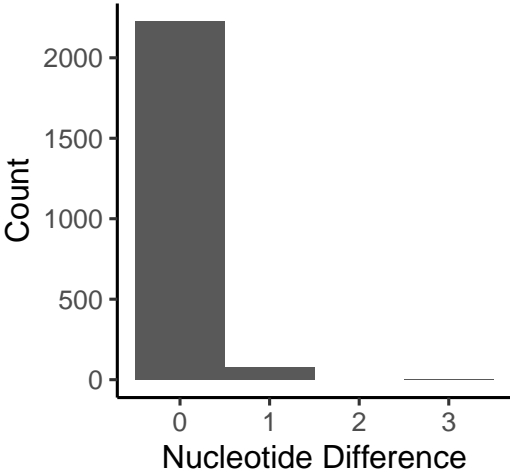
TRBV5-6*ap01

2110 sequences assigned
2102 (99.6%) exact matches, in which:
2086 unique CDR3
13 unique J



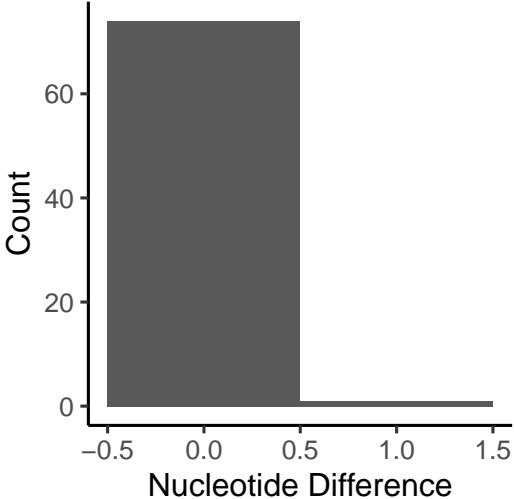
TRBV6-1*ap01

2307 sequences assigned
2226 (96.5%) exact matches, in which:
2214 unique CDR3
13 unique J



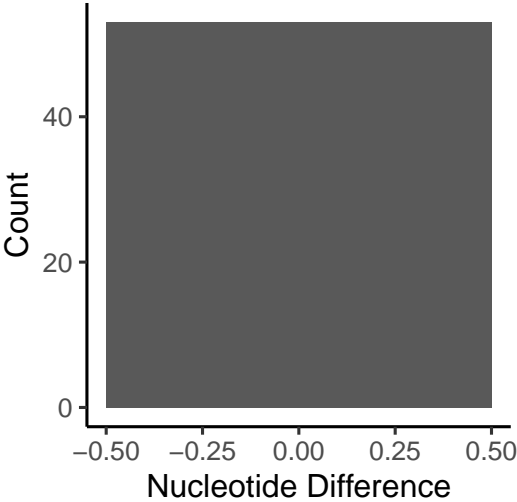
TRBV6-8*ap01

75 sequences assigned
74 (98.7%) exact matches, in which:
74 unique CDR3
13 unique J



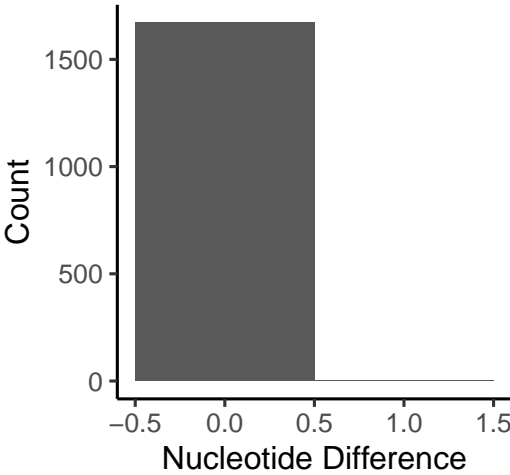
TRBV5-7*ap01

53 sequences assigned
53 (100%) exact matches, in which:
52 unique CDR3
10 unique J



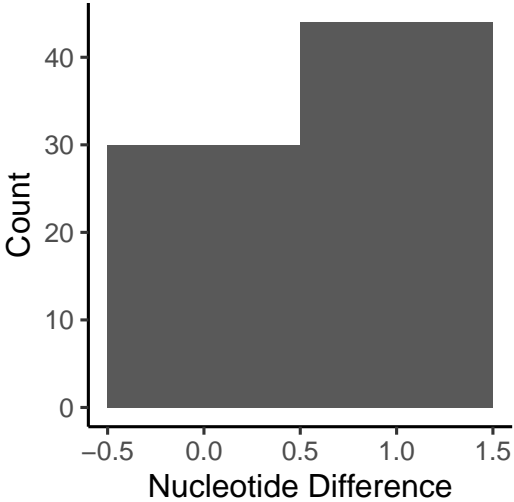
TRBV6-4*ap01

1675 sequences assigned
1671 (99.8%) exact matches, in which:
1670 unique CDR3
13 unique J



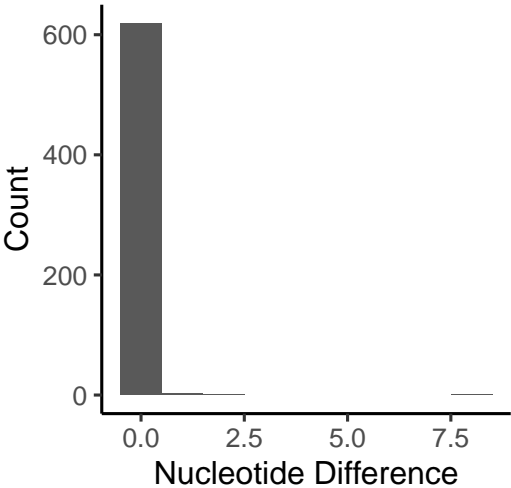
TRBV6-9*ap01

74 sequences assigned
30 (40.5%) exact matches, in which:
30 unique CDR3
10 unique J



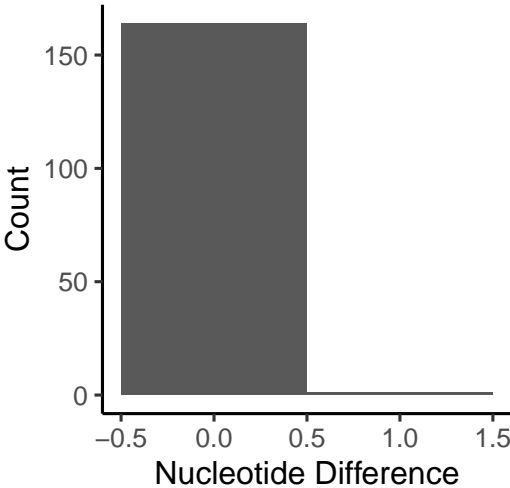
TRBV5-8*ap01

623 sequences assigned
619 (99.4%) exact matches, in which:
619 unique CDR3
13 unique J



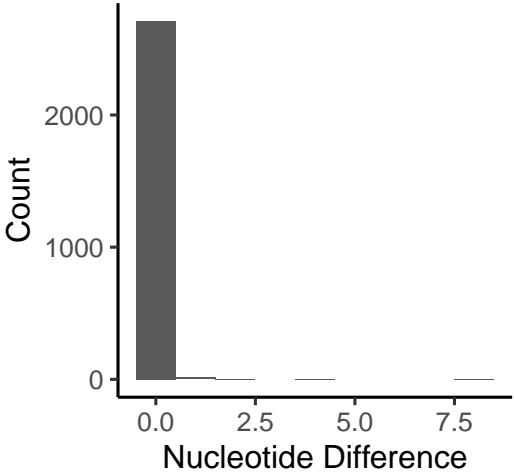
TRBV6-7*ap01

165 sequences assigned
164 (99.4%) exact matches, in which:
164 unique CDR3
12 unique J



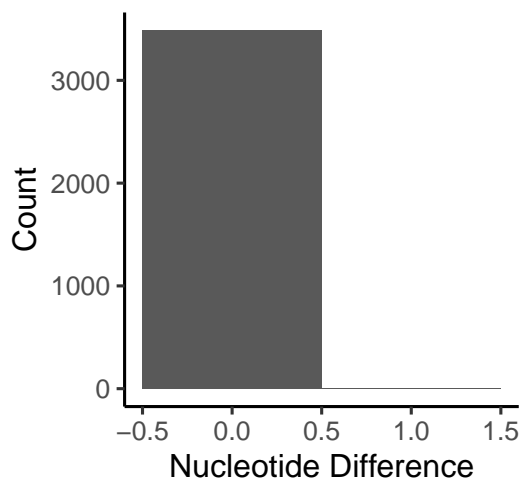
TRBV6-23*ap01

2727 sequences assigned
2711 (99.4%) exact matches, in which:
2697 unique CDR3
13 unique J



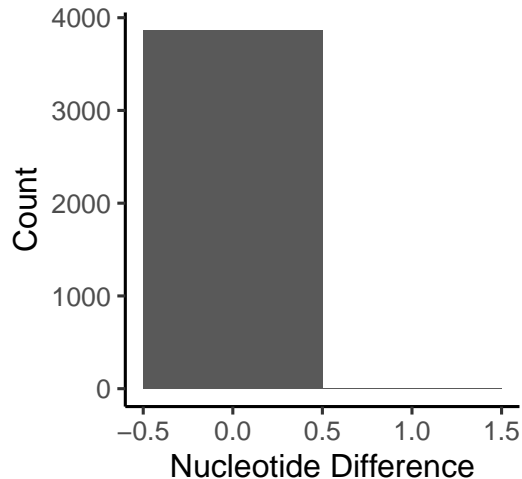
TRBV6-56*ap01

3495 sequences assigned
3486 (99.7%) exact matches, in which:
3475 unique CDR3
13 unique J



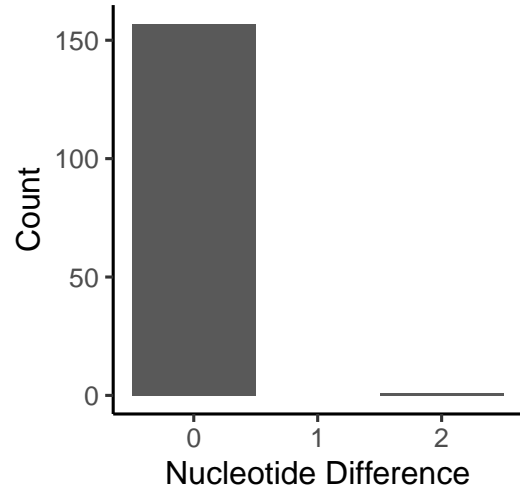
TRBV7-2*ap01

3867 sequences assigned
3863 (99.9%) exact matches, in which:
3855 unique CDR3
13 unique J



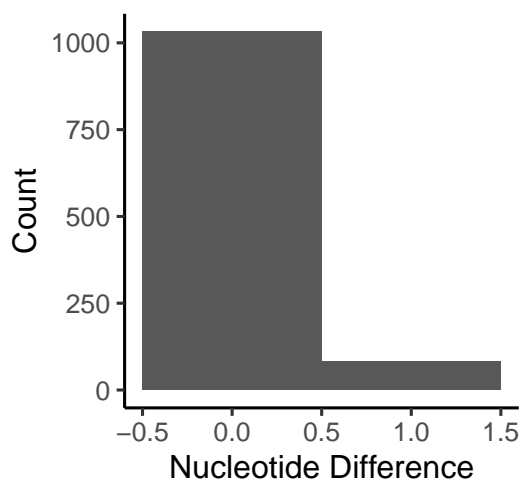
TRBV7-4*ap01

158 sequences assigned
157 (99.4%) exact matches, in which:
157 unique CDR3
12 unique J



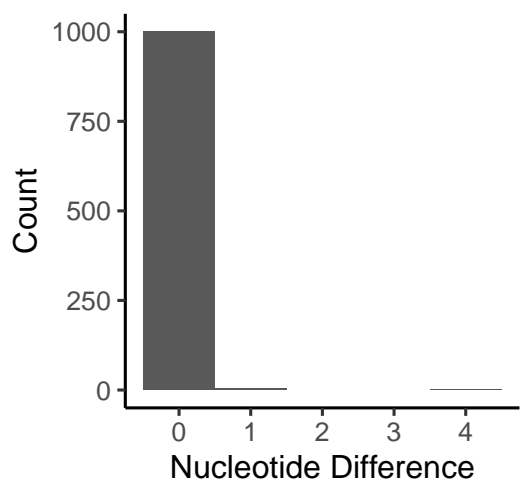
TRBV6-56*ap02

1113 sequences assigned
1032 (92.7%) exact matches, in which:
1028 unique CDR3
13 unique J



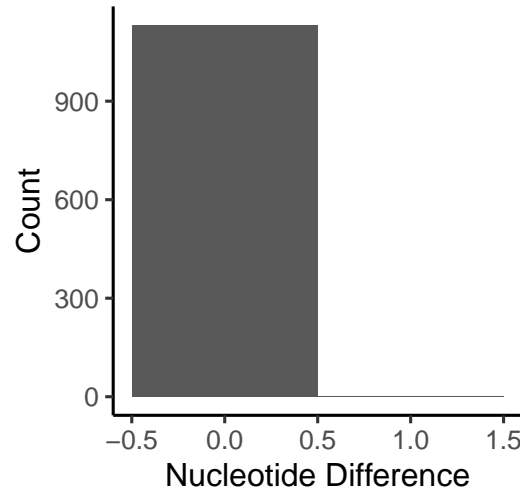
TRBV7-3*ap01_G301A

1005 sequences assigned
1000 (99.5%) exact matches, in which:
999 unique CDR3
13 unique J



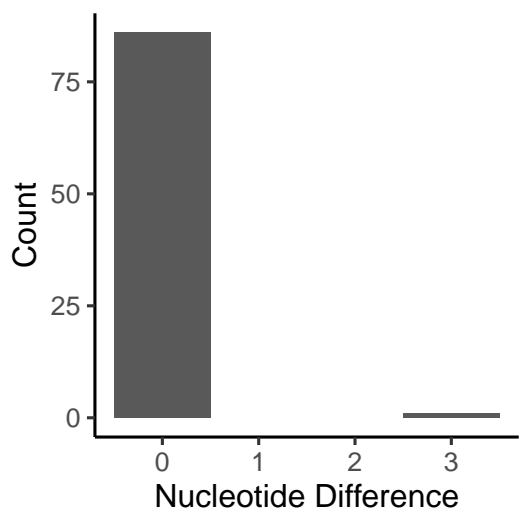
TRBV7-6*ap01

1134 sequences assigned
1132 (99.8%) exact matches, in which:
1130 unique CDR3
12 unique J



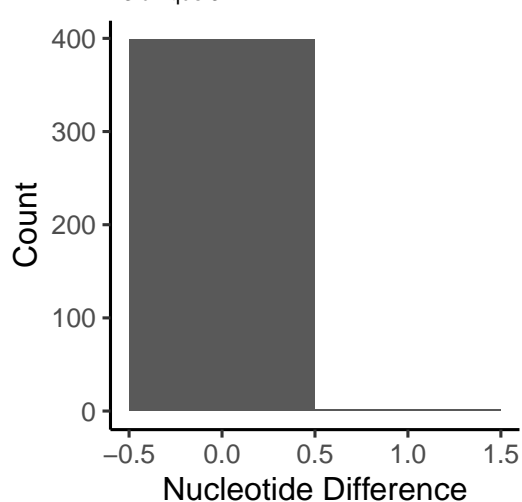
TRBV7-1*ap01_G291C_T

87 sequences assigned
86 (98.9%) exact matches, in which:
86 unique CDR3
12 unique J



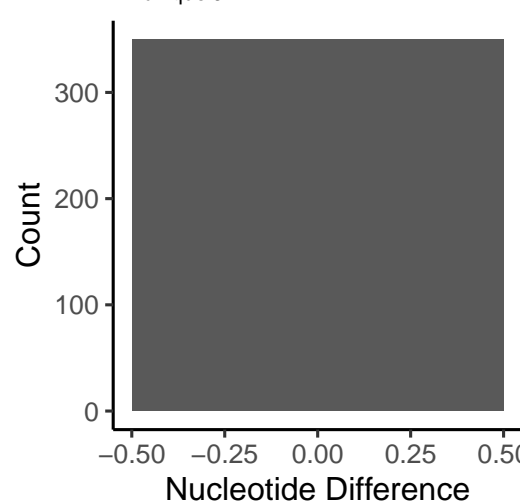
TRBV7-3*ap03

401 sequences assigned
399 (99.5%) exact matches, in which:
399 unique CDR3
13 unique J



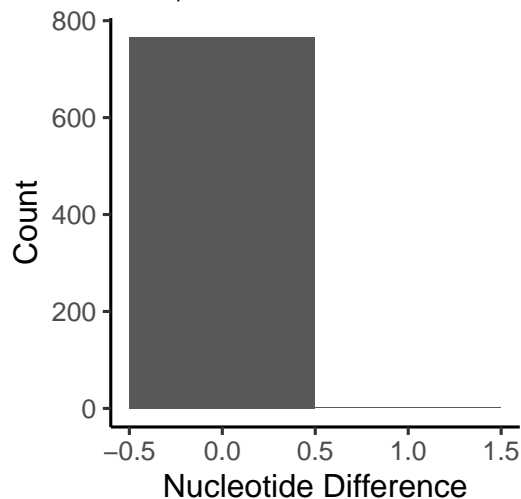
TRBV7-7*ap01

350 sequences assigned
350 (100%) exact matches, in which:
348 unique CDR3
12 unique J



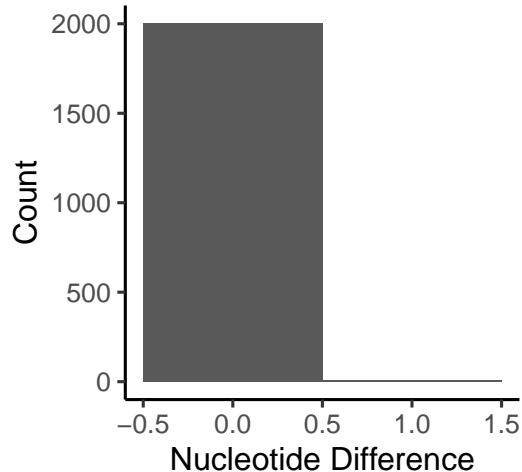
TRBV7-8*ap01

769 sequences assigned
767 (99.7%) exact matches, in which:
764 unique CDR3
12 unique J



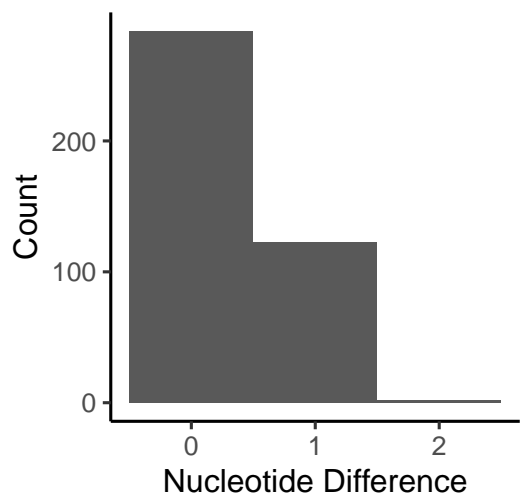
TRBV29-1*ap01

2010 sequences assigned
2002 (99.6%) exact matches, in which:
1995 unique CDR3
13 unique J



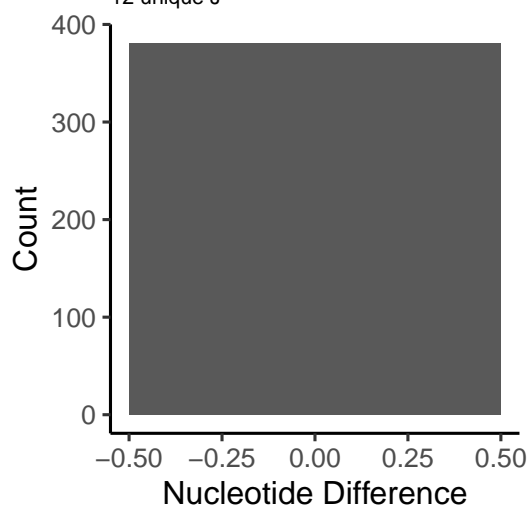
TRBV7-8*ap03

409 sequences assigned
284 (69.4%) exact matches, in which:
283 unique CDR3
12 unique J



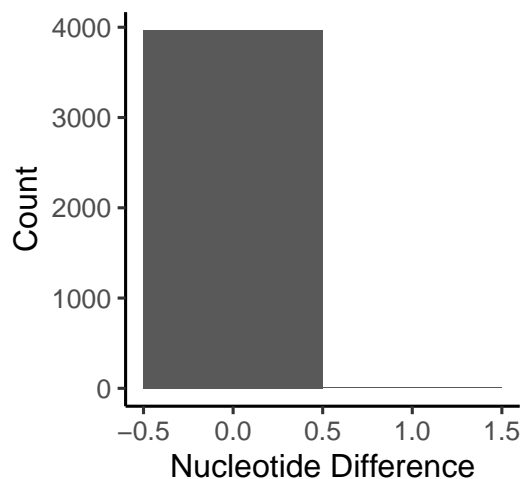
TRBV29-1*ap02

381 sequences assigned
381 (100%) exact matches, in which:
381 unique CDR3
12 unique J

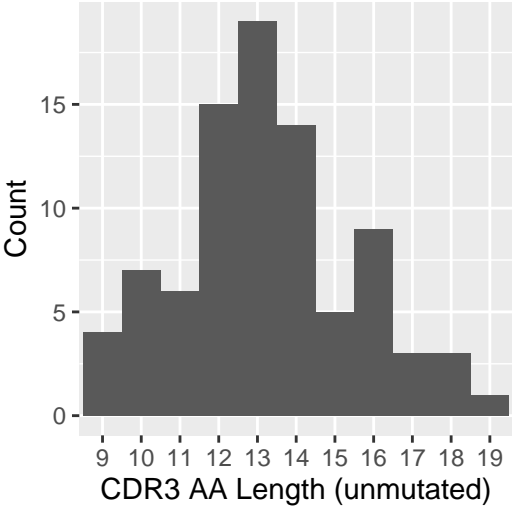


TRBV7-9*ap01

3976 sequences assigned
3969 (99.8%) exact matches, in which:
3963 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-3*ap01_G301A

