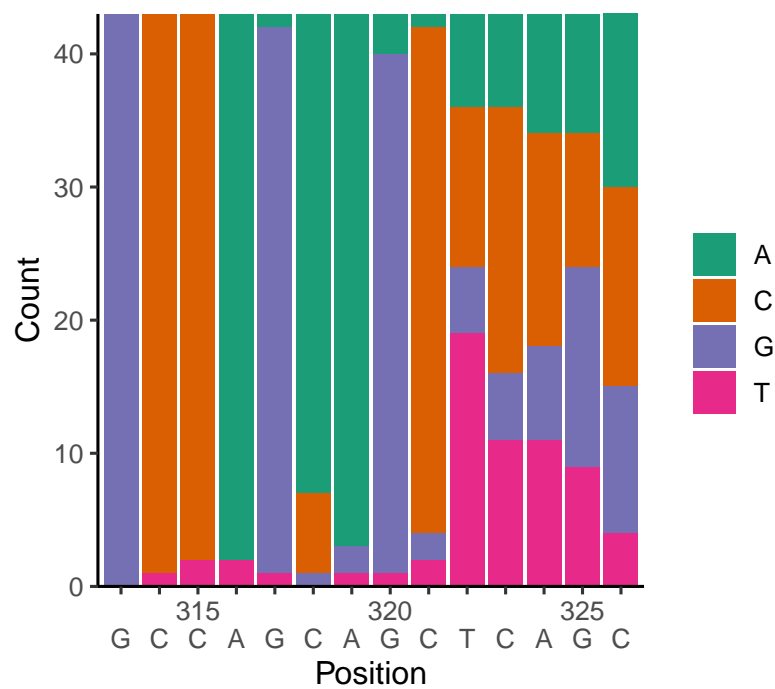
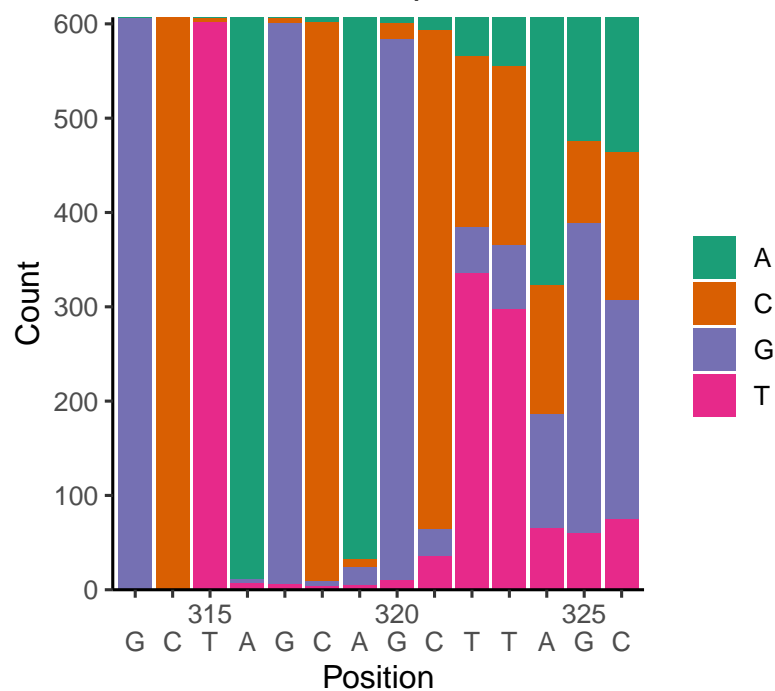


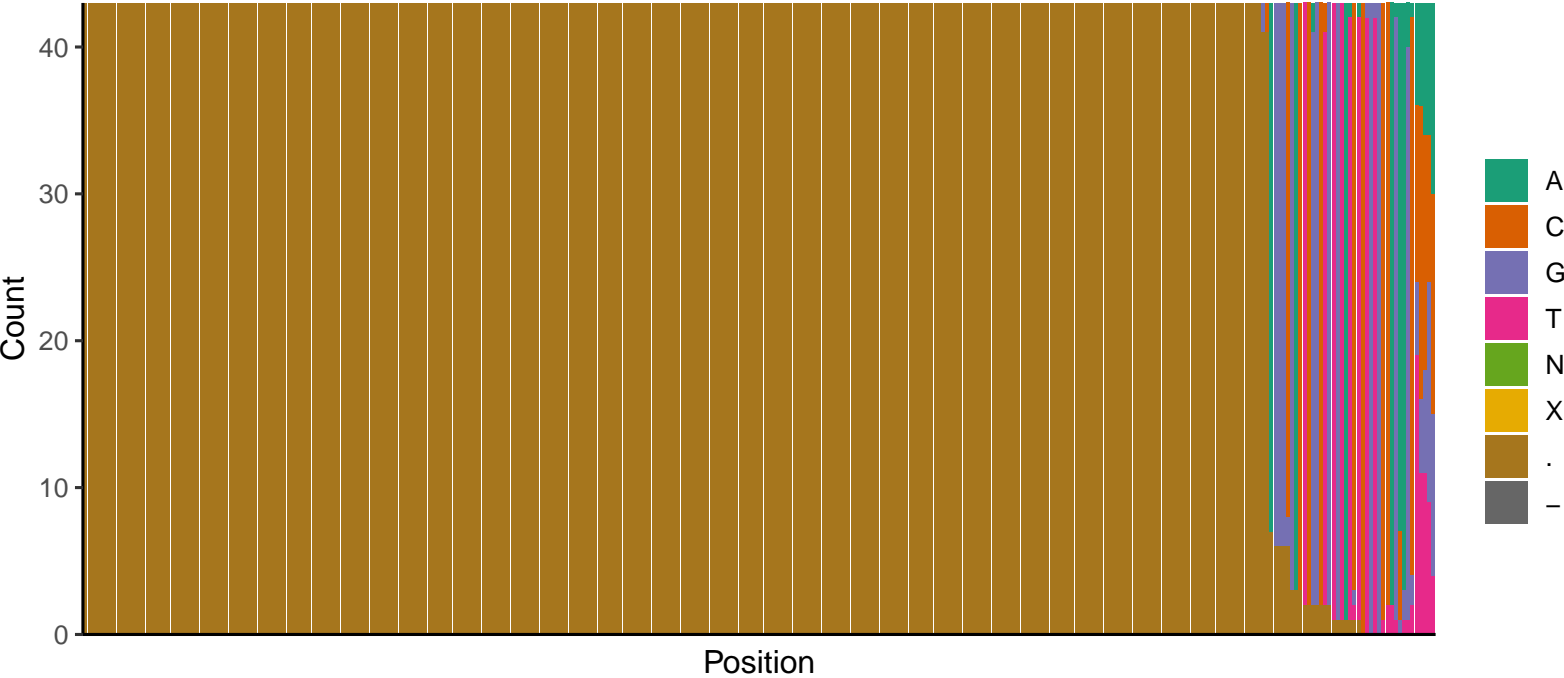
Gene TRBV7-1*ap01_T296C



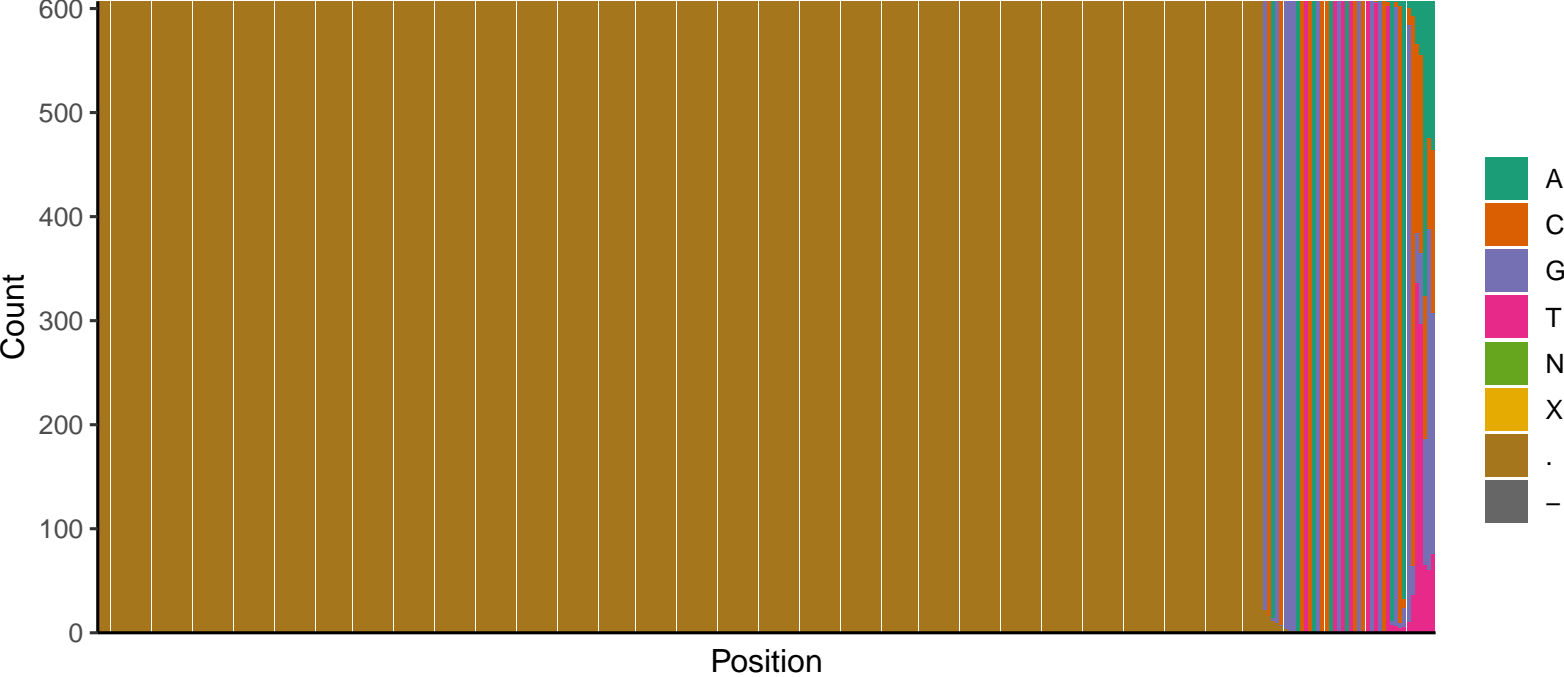
Gene TRBV7-7*ap01_C315T



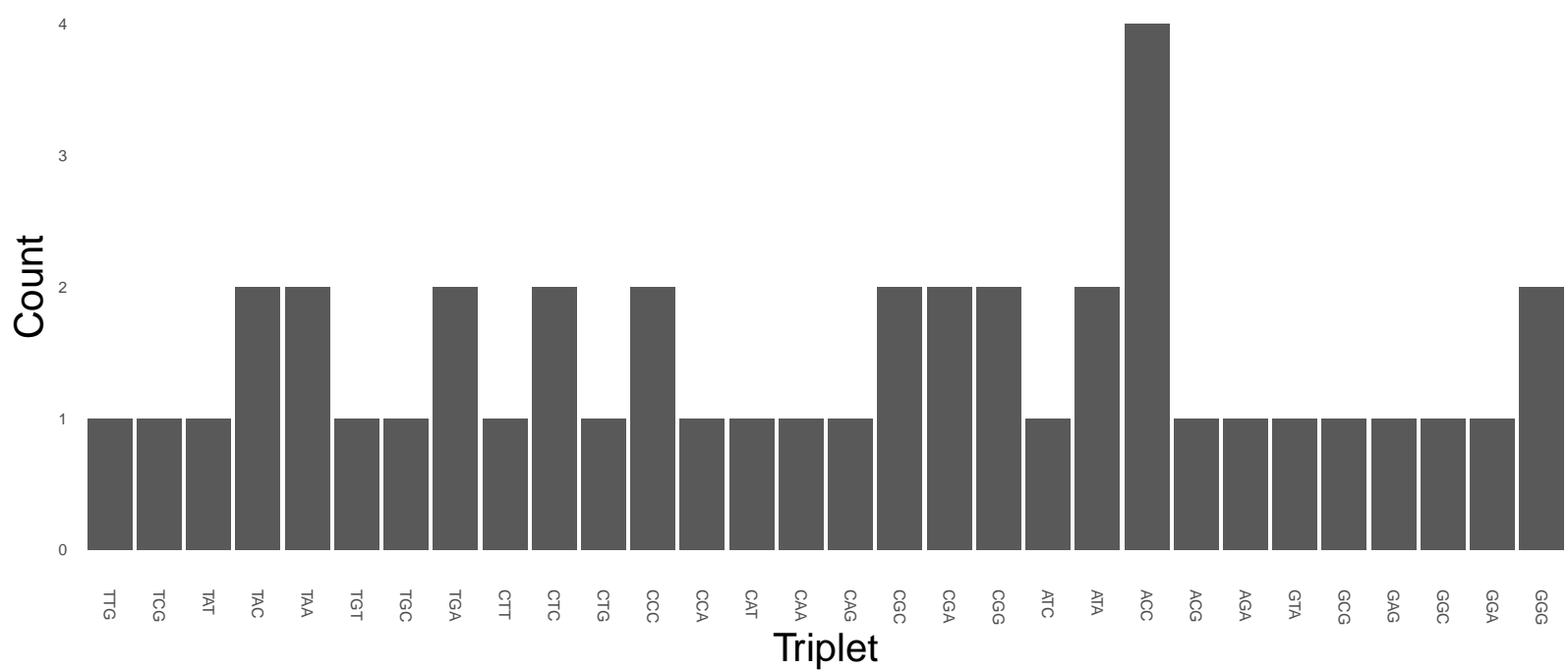
Gene TRBV7-1*ap01_T296C



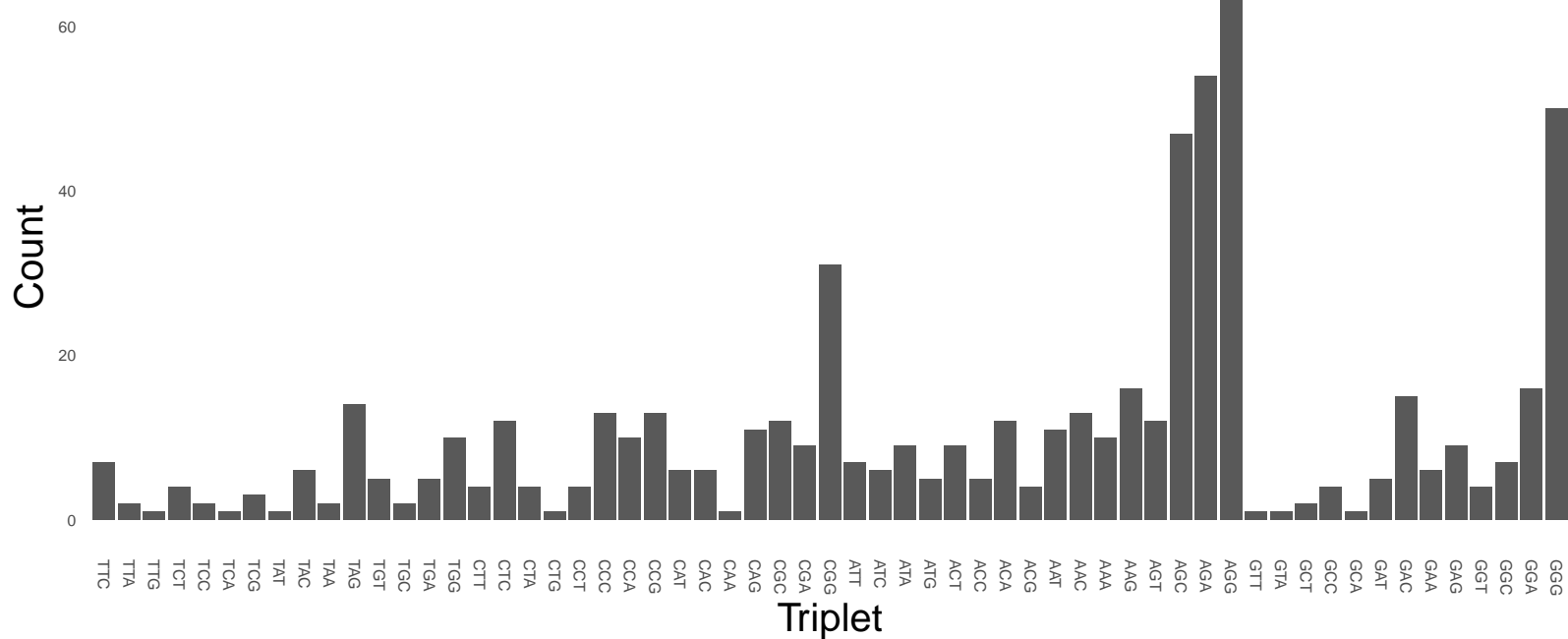
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

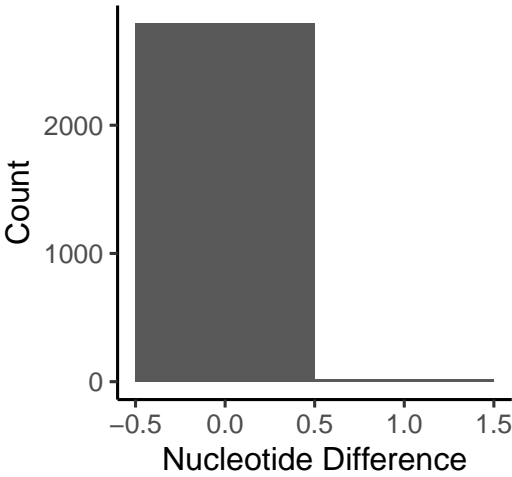


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



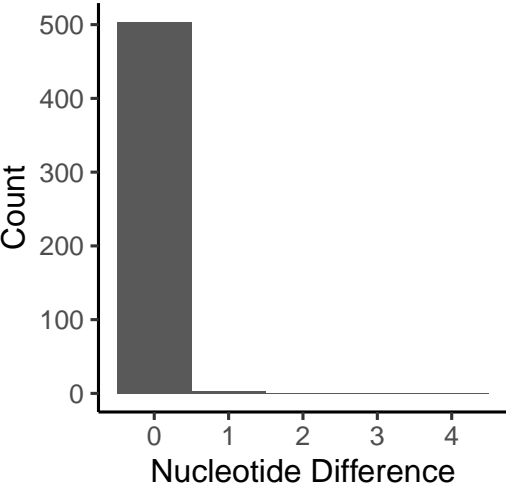
TRBV20–1*ap01

2814 sequences assigned
2794 (99.3%) exact matches, in which:
2771 unique CDR3
13 unique J



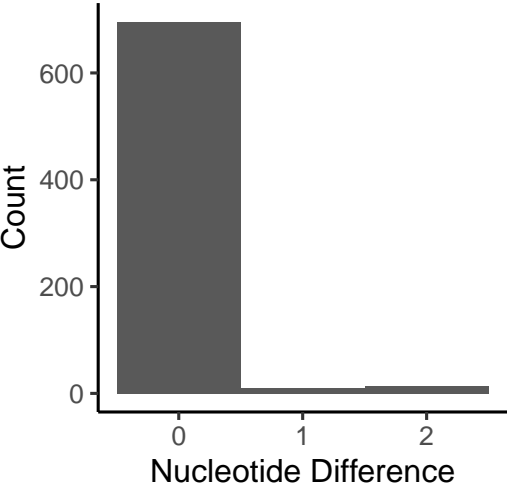
TRBV10–2*ap01

510 sequences assigned
504 (98.8%) exact matches, in which:
494 unique CDR3
13 unique J



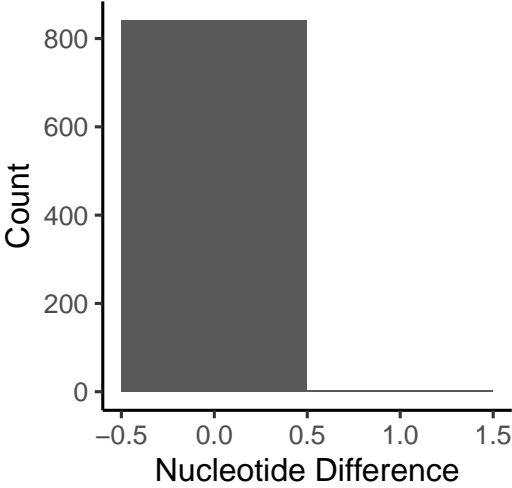
TRBV13*ap01

720 sequences assigned
696 (96.7%) exact matches, in which:
683 unique CDR3
13 unique J



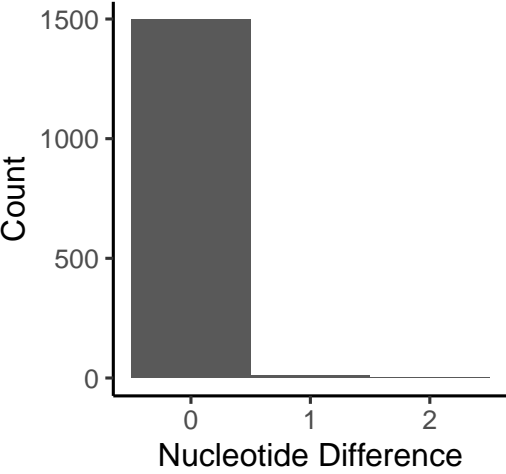
TRBV10–1*ap01

846 sequences assigned
842 (99.5%) exact matches, in which:
829 unique CDR3
13 unique J



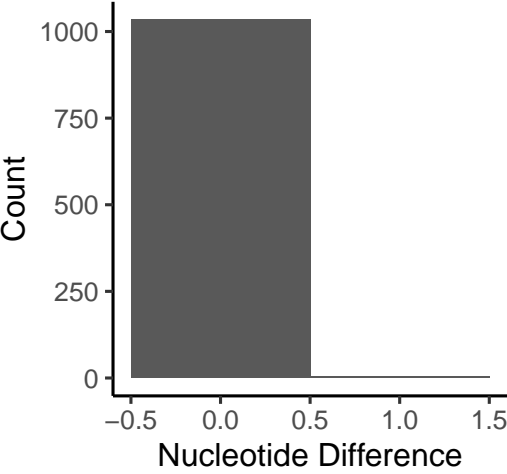
TRBV10–3*ap01

1509 sequences assigned
1497 (99.2%) exact matches, in which:
1473 unique CDR3
13 unique J



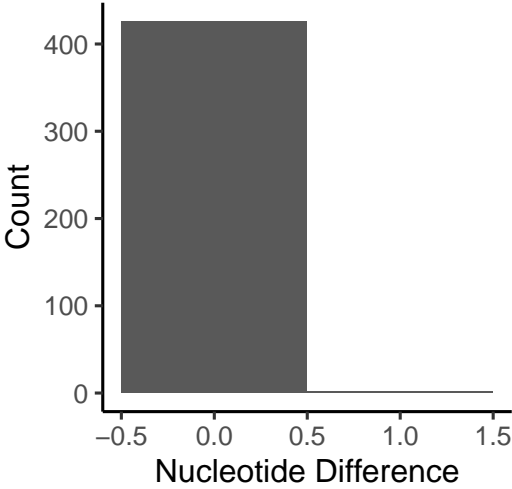
TRBV14*ap01

1039 sequences assigned
1034 (99.5%) exact matches, in which:
1025 unique CDR3
13 unique J



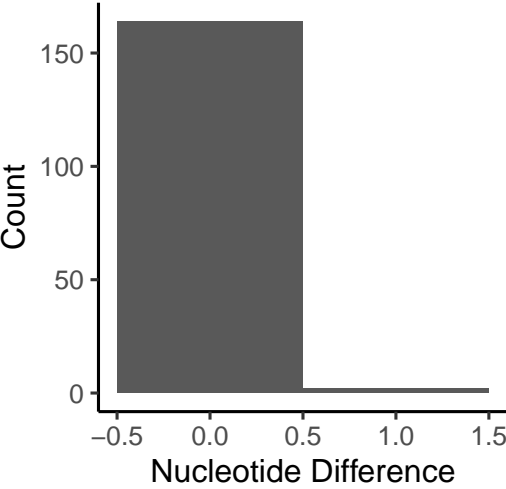
TRBV20–1*ap02

428 sequences assigned
426 (99.5%) exact matches, in which:
420 unique CDR3
13 unique J



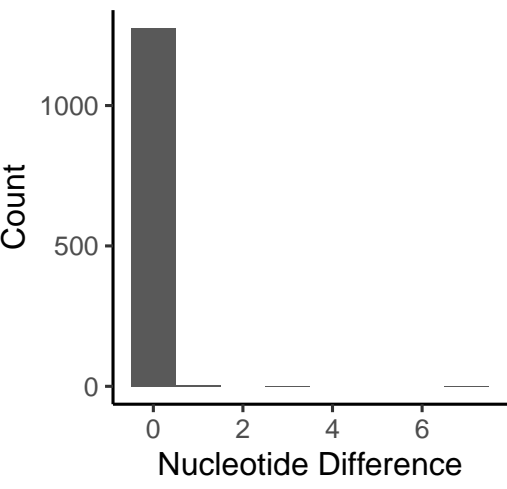
TRBV1*ap01

166 sequences assigned
164 (98.8%) exact matches, in which:
163 unique CDR3
12 unique J



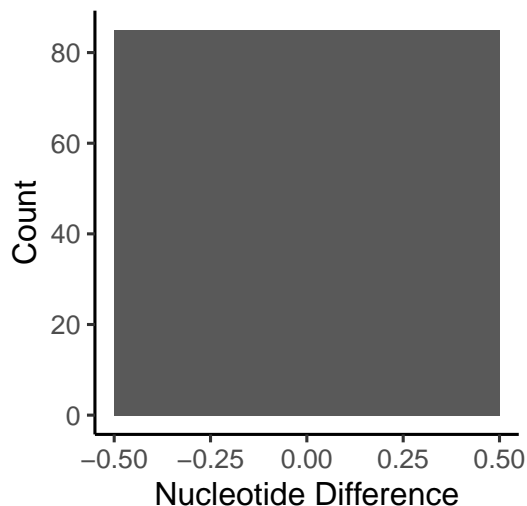
TRBV15*ap02

1284 sequences assigned
1276 (99.4%) exact matches, in which:
1247 unique CDR3
13 unique J



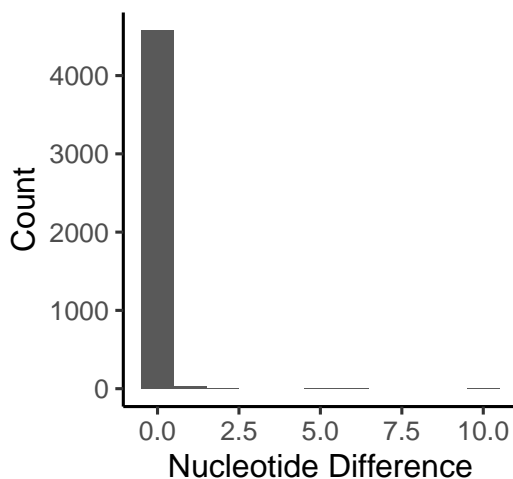
TRBV16*ap01

85 sequences assigned
85 (100%) exact matches, in which:
85 unique CDR3
11 unique J



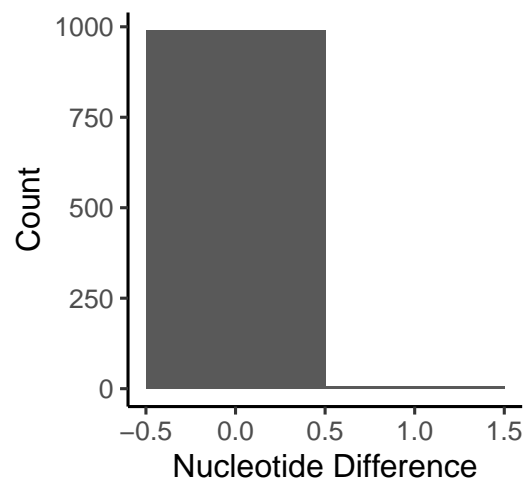
TRBV19*ap01

4616 sequences assigned
4577 (99.2%) exact matches, in which:
4525 unique CDR3
13 unique J



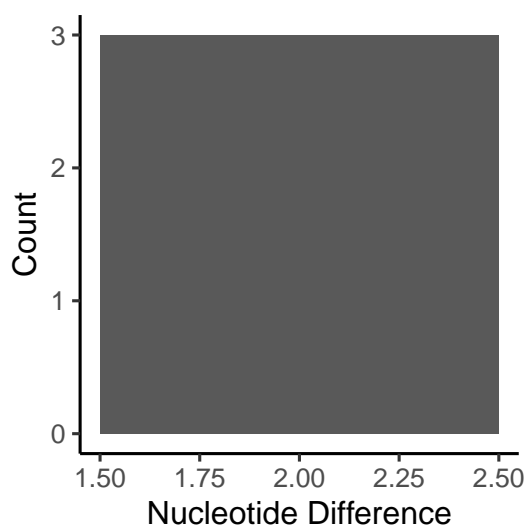
TRBV28*ap01

997 sequences assigned
990 (99.3%) exact matches, in which:
984 unique CDR3
13 unique J



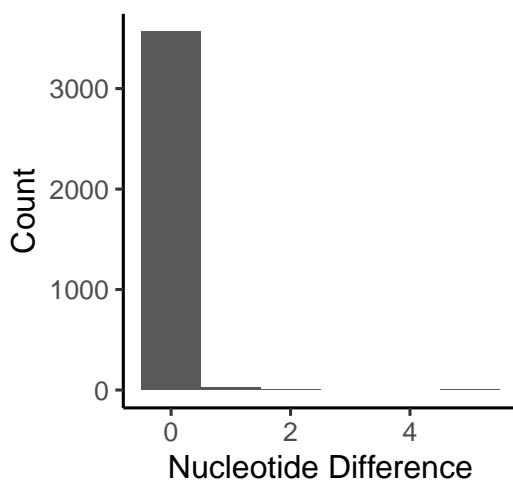
TRBV17*ap01

3 sequences assigned
No exact matches.



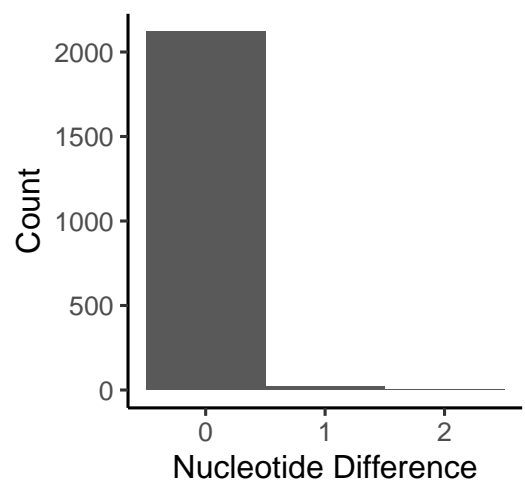
TRBV2*ap01

3595 sequences assigned
3566 (99.2%) exact matches, in which:
3525 unique CDR3
13 unique J



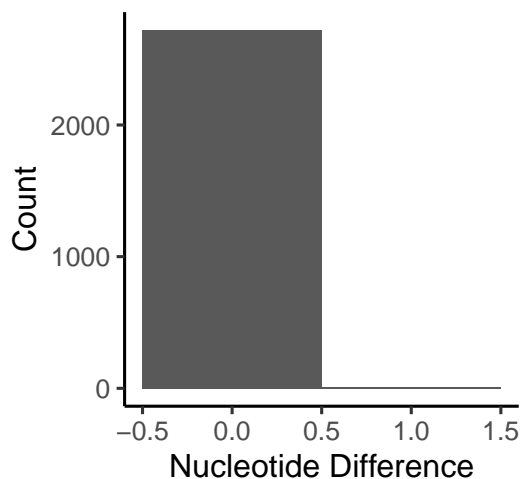
TRBV30*ap01

2145 sequences assigned
2120 (98.8%) exact matches, in which:
2068 unique CDR3
13 unique J



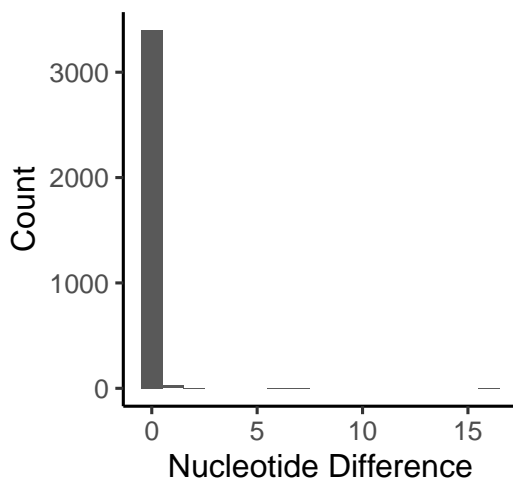
TRBV18*ap01

2731 sequences assigned
2721 (99.6%) exact matches, in which:
2688 unique CDR3
13 unique J



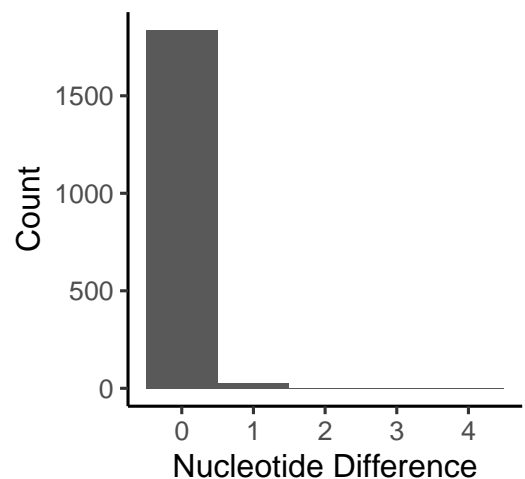
TRBV27*ap01

3432 sequences assigned
3400 (99.1%) exact matches, in which:
3349 unique CDR3
13 unique J



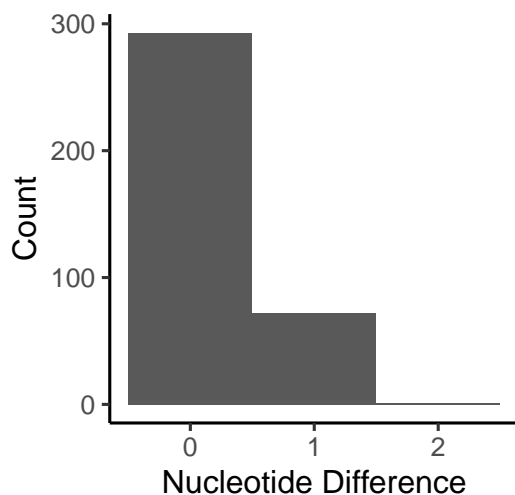
TRBV30*ap02

1868 sequences assigned
1837 (98.3%) exact matches, in which:
1800 unique CDR3
13 unique J



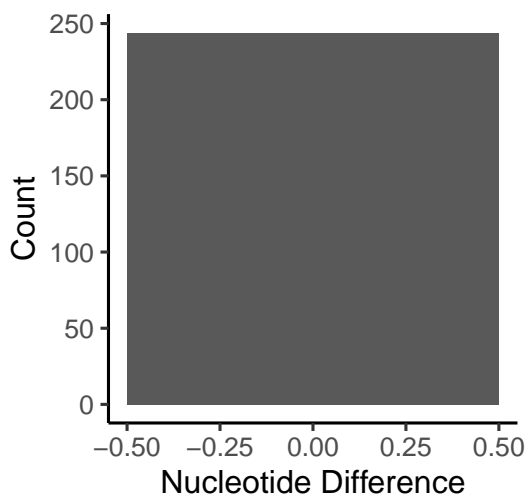
TRBV30*ap03

366 sequences assigned
293 (80.1%) exact matches, in which:
286 unique CDR3
13 unique J



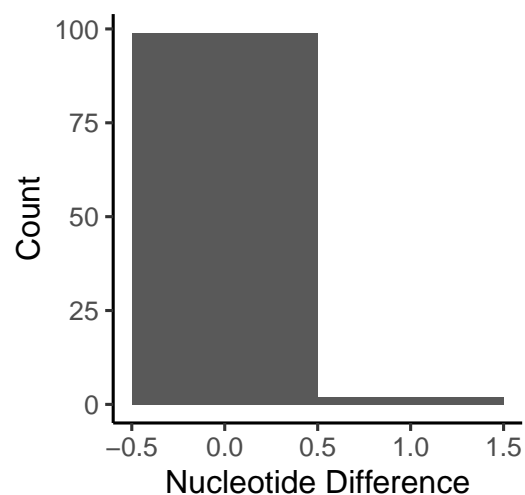
TRBV11-1*ap01

244 sequences assigned
244 (100%) exact matches, in which:
241 unique CDR3
13 unique J



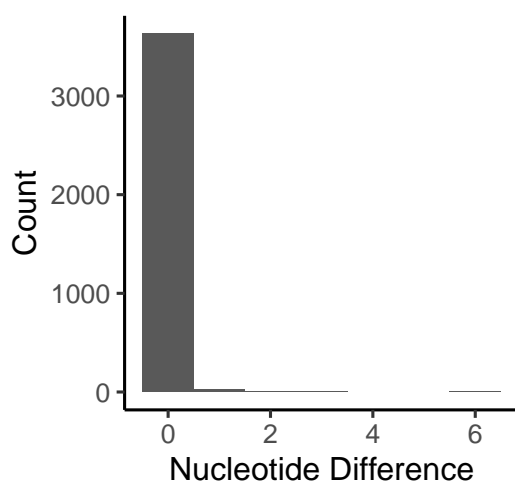
TRBV12-1*ap01

101 sequences assigned
99 (98%) exact matches, in which:
97 unique CDR3
12 unique J



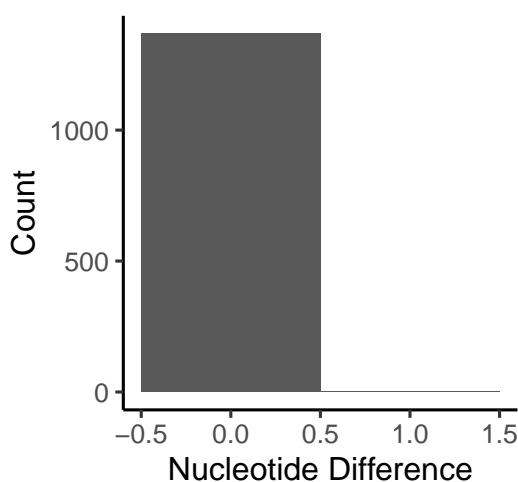
TRBV9*ap01

3657 sequences assigned
3631 (99.3%) exact matches, in which:
3597 unique CDR3
13 unique J



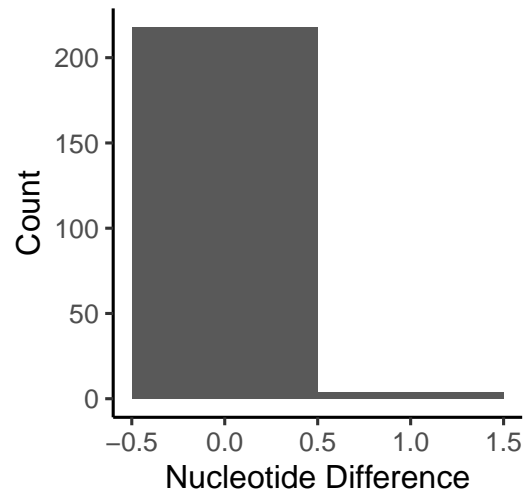
TRBV11-2*ap01

1371 sequences assigned
1368 (99.8%) exact matches, in which:
1361 unique CDR3
13 unique J



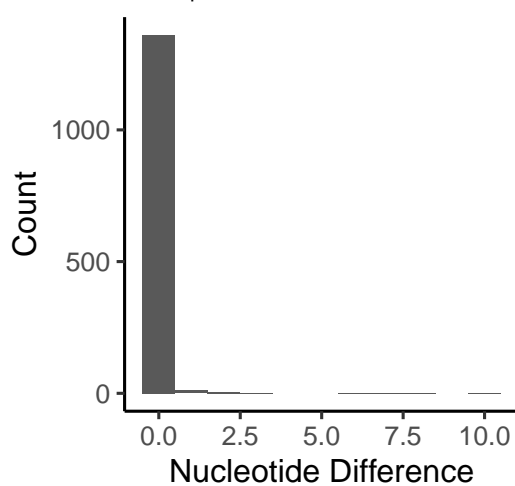
TRBV12-2*ap01

222 sequences assigned
218 (98.2%) exact matches, in which:
214 unique CDR3
13 unique J



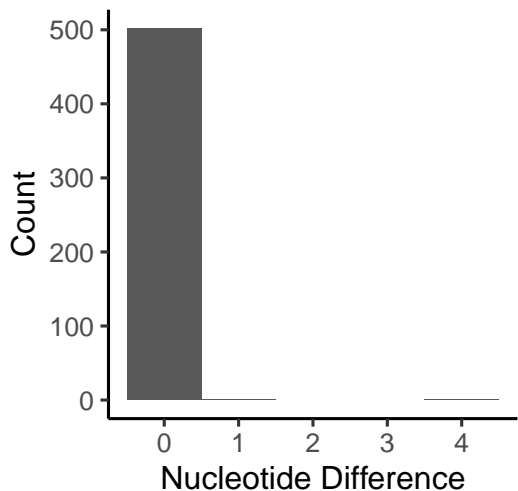
TRBV21-1*ap01

1382 sequences assigned
1360 (98.4%) exact matches, in which:
1349 unique CDR3
13 unique J



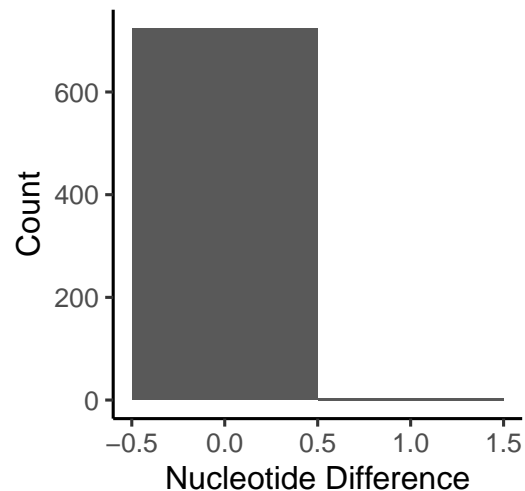
TRBV11-3*ap01

504 sequences assigned
502 (99.6%) exact matches, in which:
501 unique CDR3
13 unique J



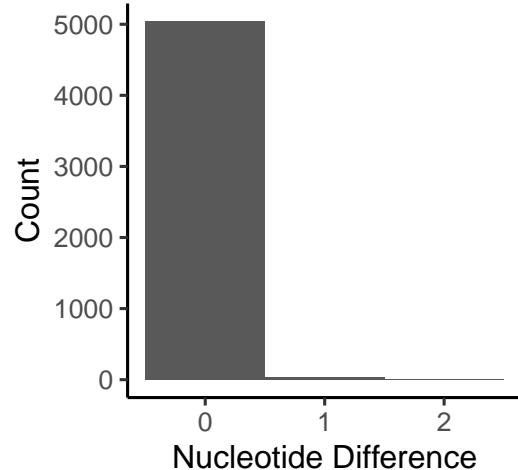
TRBV12-5*ap01

728 sequences assigned
724 (99.5%) exact matches, in which:
713 unique CDR3
13 unique J



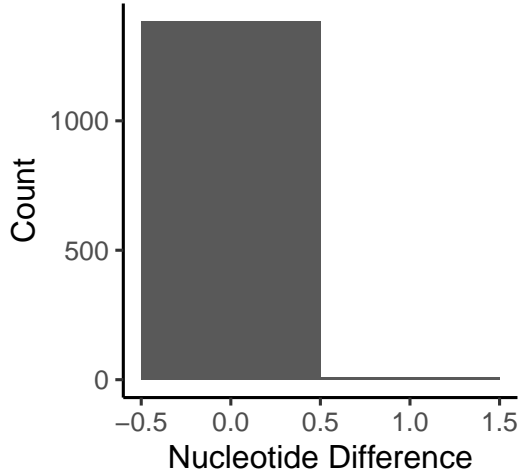
TRBV12-34*ap01

5076 sequences assigned
5040 (99.3%) exact matches, in which:
4977 unique CDR3
13 unique J



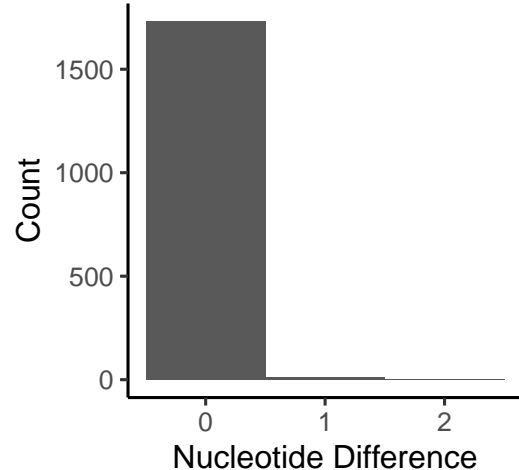
TRBV24-1*ap01

1395 sequences assigned
1384 (99.2%) exact matches, in which:
1366 unique CDR3
13 unique J



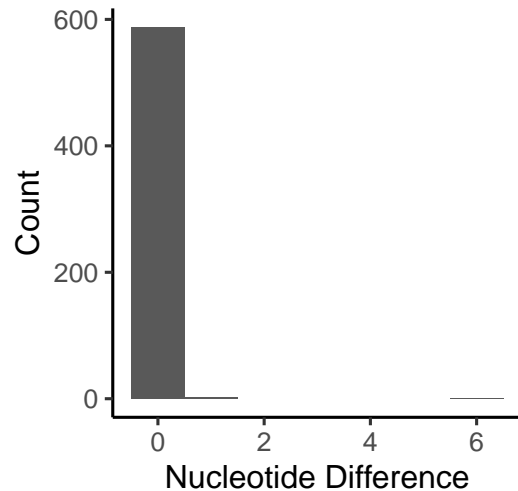
TRBV4-3*ap01

1745 sequences assigned
1731 (99.2%) exact matches, in which:
1691 unique CDR3
13 unique J



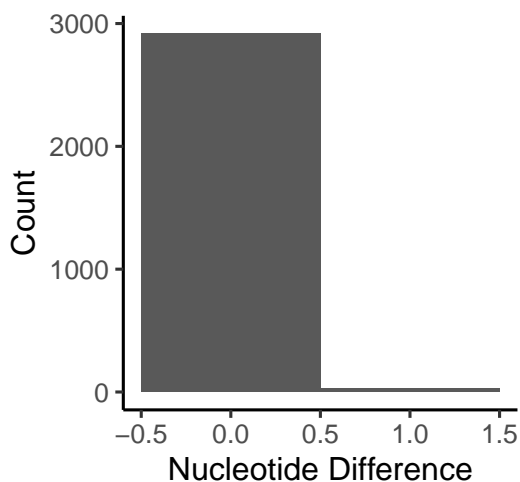
TRBV23-1*ap01

591 sequences assigned
588 (99.5%) exact matches, in which:
580 unique CDR3
13 unique J



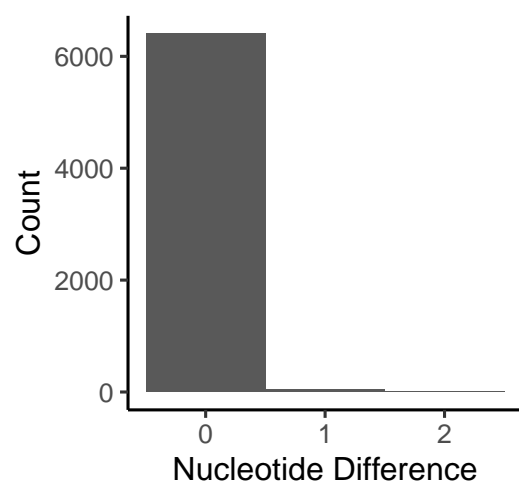
TRBV4-1*ap01

2942 sequences assigned
2917 (99.2%) exact matches, in which:
2863 unique CDR3
13 unique J



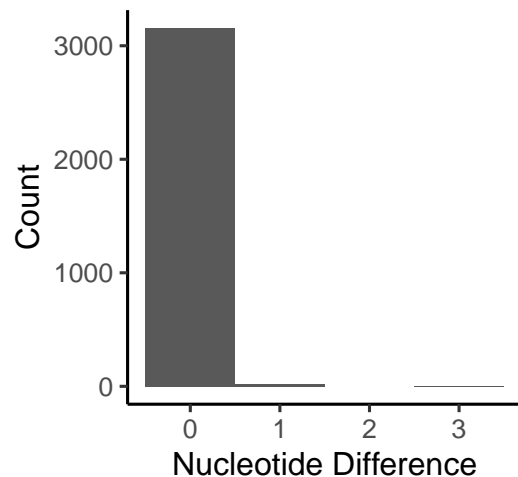
TRBV5-1*ap01

6460 sequences assigned
6404 (99.1%) exact matches, in which:
6282 unique CDR3
13 unique J



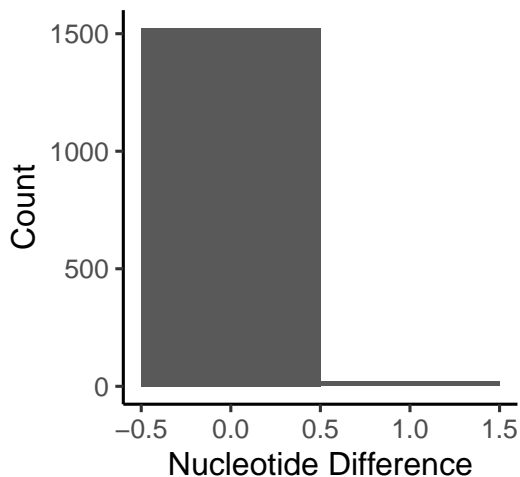
TRBV3-12*ap01

3178 sequences assigned
3156 (99.3%) exact matches, in which:
3130 unique CDR3
13 unique J



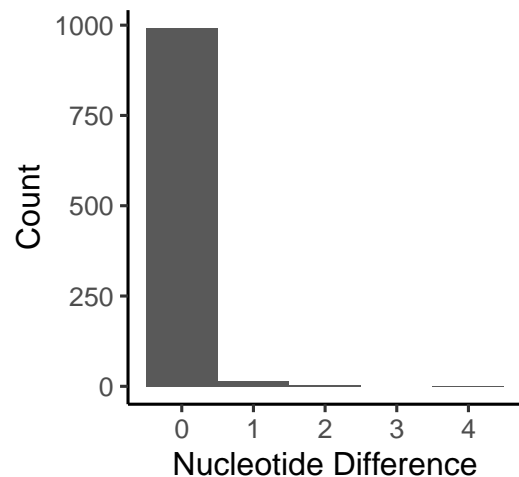
TRBV4-2*ap01

1544 sequences assigned
1524 (98.7%) exact matches, in which:
1502 unique CDR3
13 unique J



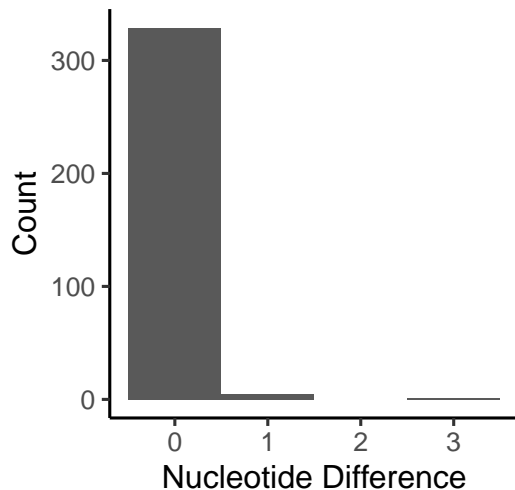
TRBV25-1*ap01

1010 sequences assigned
992 (98.2%) exact matches, in which:
969 unique CDR3
13 unique J



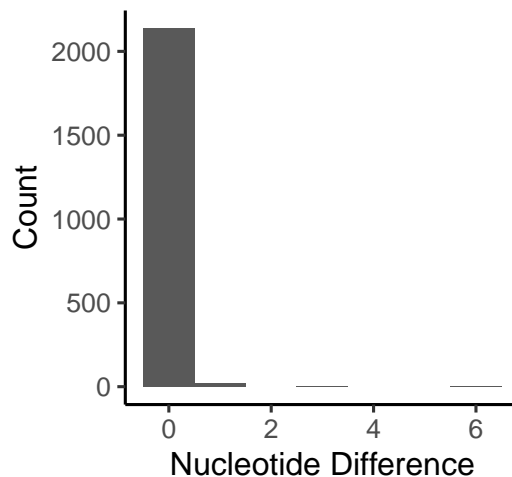
TRBV5-3*ap01

335 sequences assigned
329 (98.2%) exact matches, in which:
317 unique CDR3
13 unique J



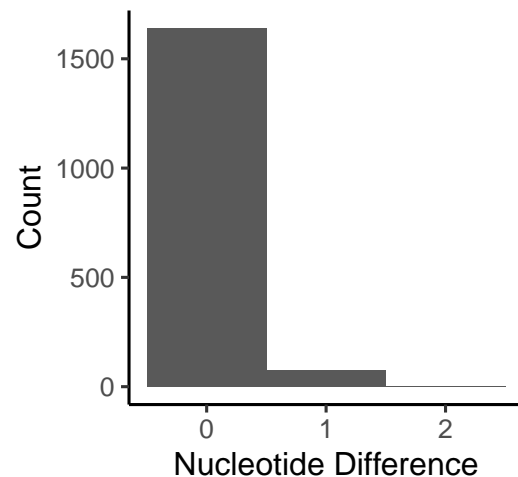
TRBV5-6*ap01

2157 sequences assigned
2137 (99.1%) exact matches, in which:
2090 unique CDR3
13 unique J



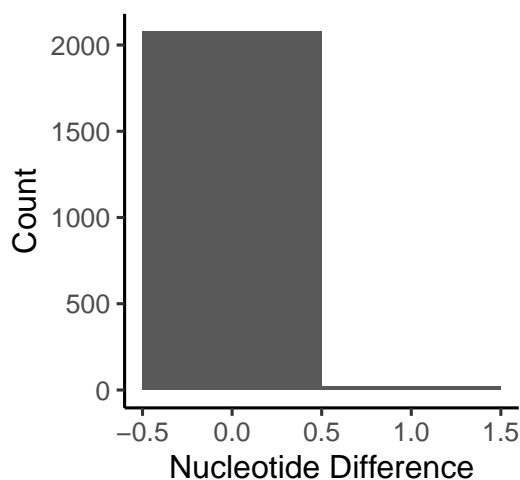
TRBV6-1*ap01

1716 sequences assigned
1639 (95.5%) exact matches, in which:
1614 unique CDR3
13 unique J



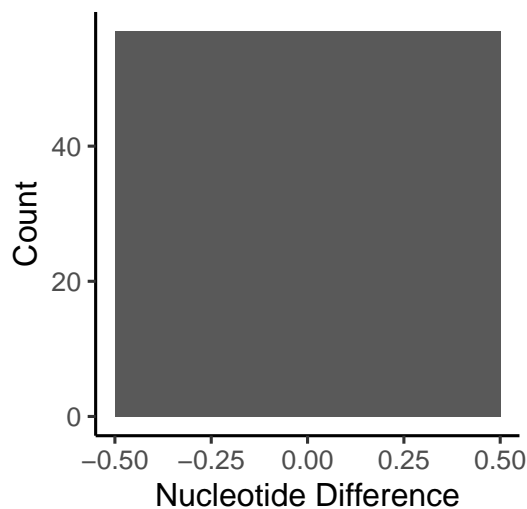
TRBV5-4*ap01

2096 sequences assigned
2077 (99.1%) exact matches, in which:
2042 unique CDR3
13 unique J



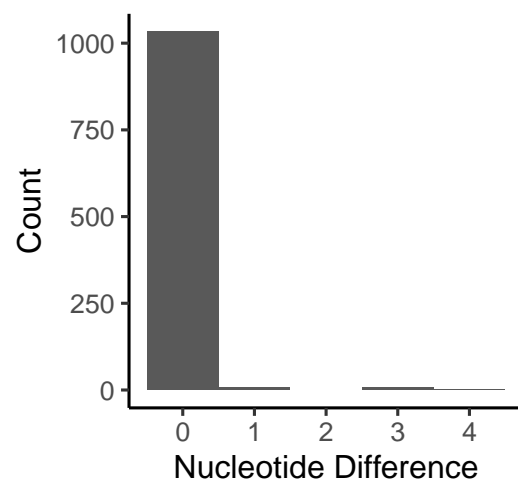
TRBV5-7*ap01

57 sequences assigned
57 (100%) exact matches, in which:
56 unique CDR3
13 unique J



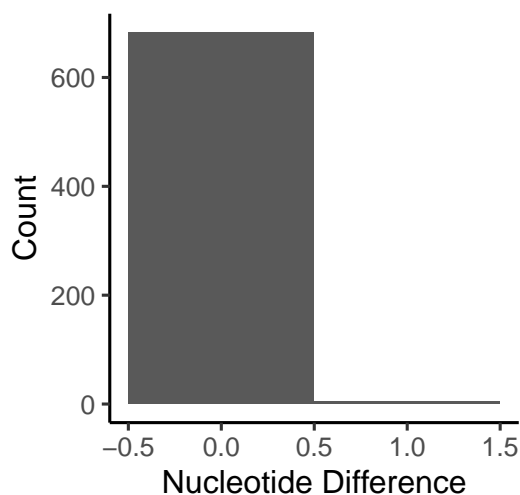
TRBV6-4*ap01

1050 sequences assigned
1033 (98.4%) exact matches, in which:
1020 unique CDR3
13 unique J



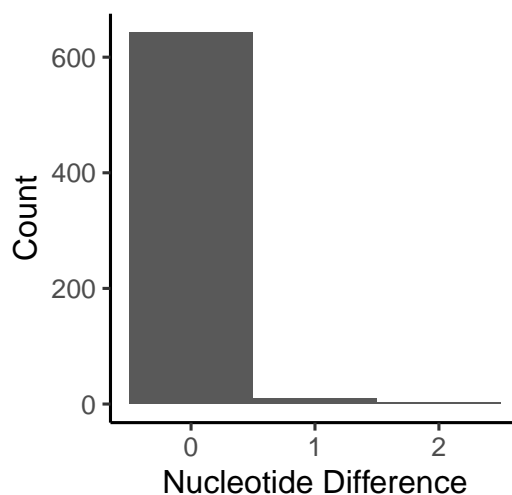
TRBV5-5*ap01

687 sequences assigned
683 (99.4%) exact matches, in which:
679 unique CDR3
13 unique J



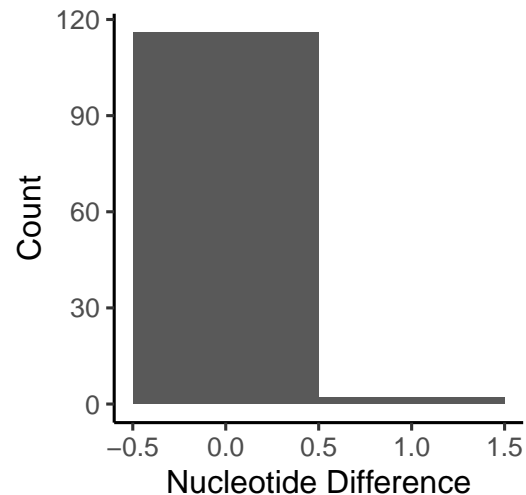
TRBV5-8*ap01

656 sequences assigned
643 (98%) exact matches, in which:
635 unique CDR3
13 unique J



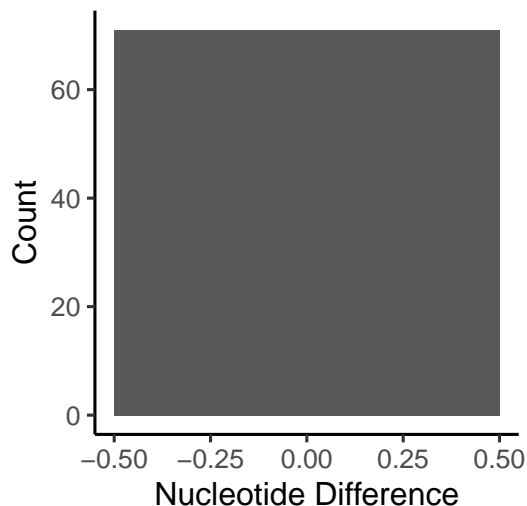
TRBV6-7*ap01

118 sequences assigned
116 (98.3%) exact matches, in which:
116 unique CDR3
13 unique J



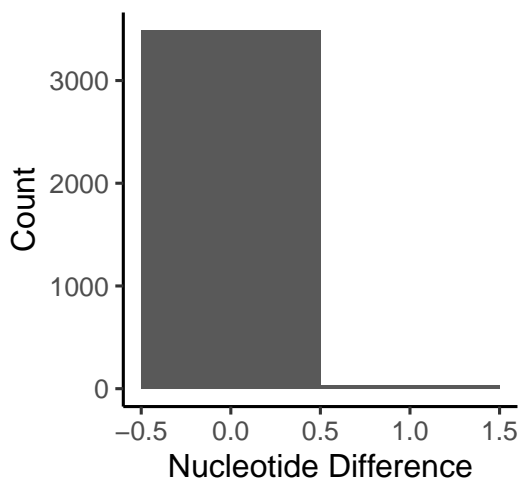
TRBV6-8*ap01

71 sequences assigned
71 (100%) exact matches, in which:
71 unique CDR3
13 unique J



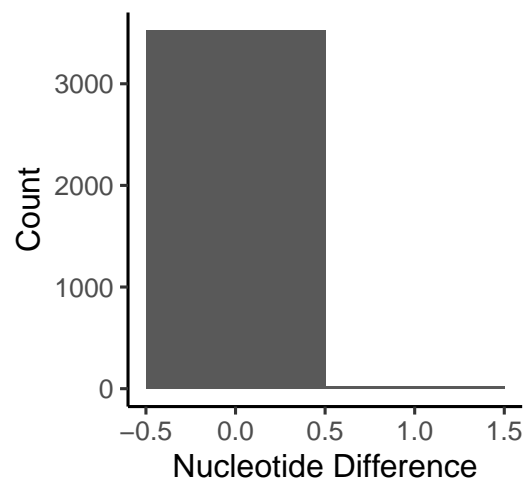
TRBV6-56*ap01

3527 sequences assigned
3488 (98.9%) exact matches, in which:
3425 unique CDR3
13 unique J



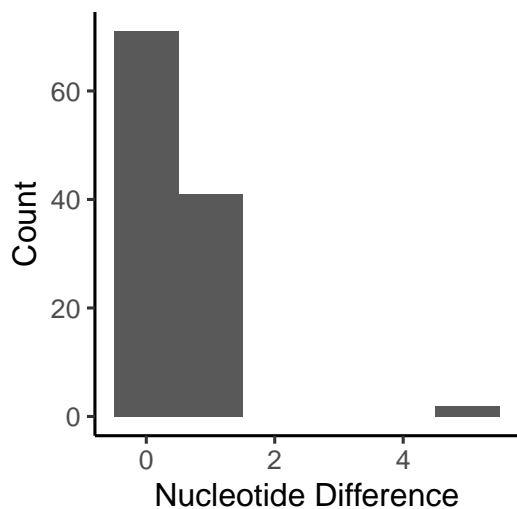
TRBV7-2*ap01

3549 sequences assigned
3525 (99.3%) exact matches, in which:
3470 unique CDR3
13 unique J



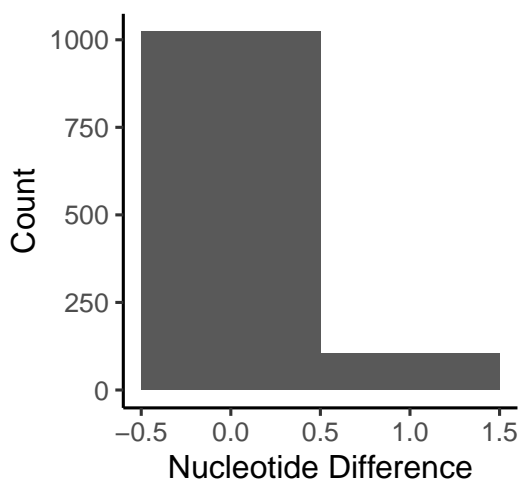
TRBV6-9*ap01

114 sequences assigned
71 (62.3%) exact matches, in which:
71 unique CDR3
11 unique J



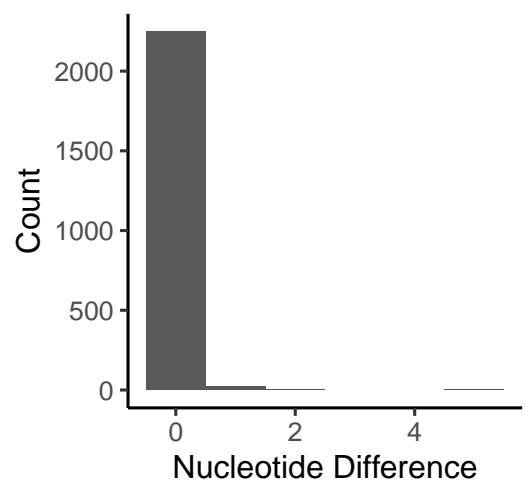
TRBV6-56*ap02

1127 sequences assigned
1023 (90.8%) exact matches, in which:
1005 unique CDR3
13 unique J



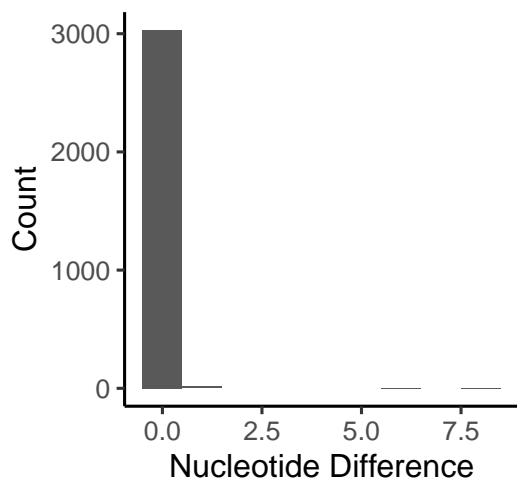
TRBV7-3*ap01

2271 sequences assigned
2247 (98.9%) exact matches, in which:
2215 unique CDR3
13 unique J



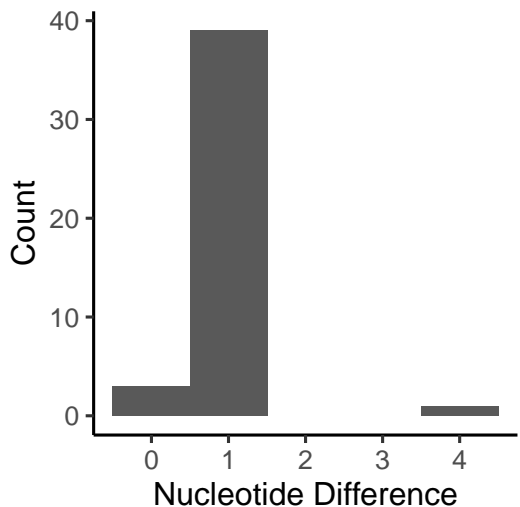
TRBV6-23*ap01

3048 sequences assigned
3031 (99.4%) exact matches, in which:
2958 unique CDR3
13 unique J



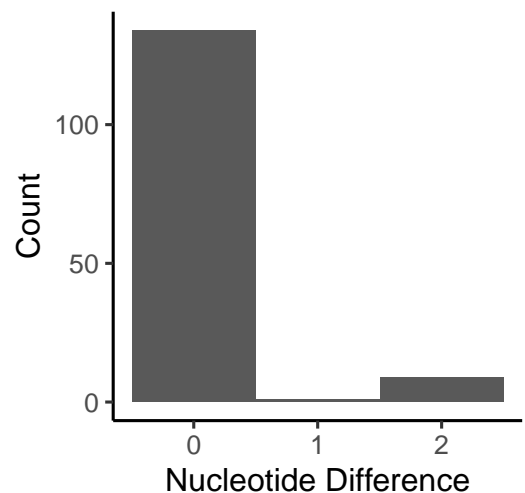
TRBV7-1*ap01_T296C

43 sequences assigned
3 (7%) exact matches, in which:
3 unique CDR3
2 unique J



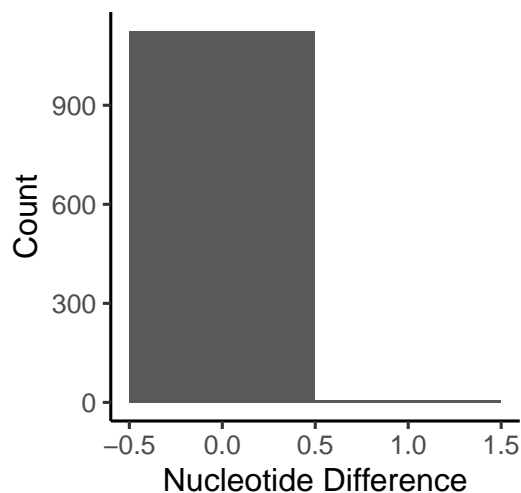
TRBV7-4*ap01

144 sequences assigned
134 (93.1%) exact matches, in which:
131 unique CDR3
12 unique J



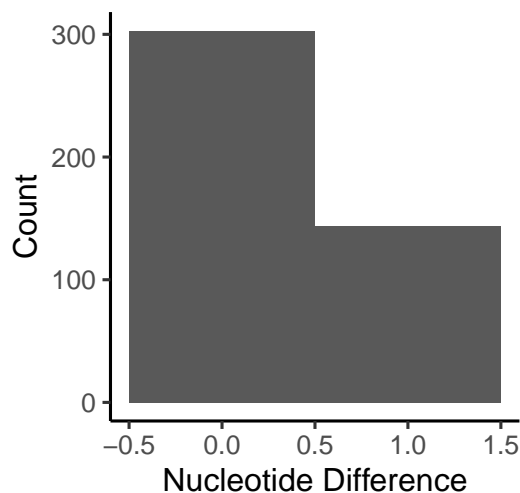
TRBV7-6*ap01

1133 sequences assigned
1126 (99.4%) exact matches, in which:
1104 unique CDR3
13 unique J



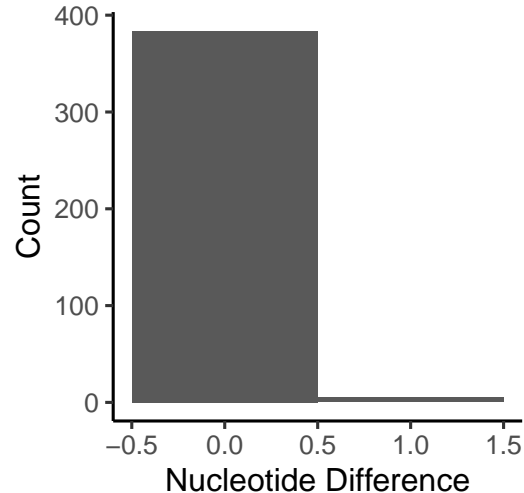
TRBV7-8*ap03

447 sequences assigned
303 (67.8%) exact matches, in which:
298 unique CDR3
13 unique J



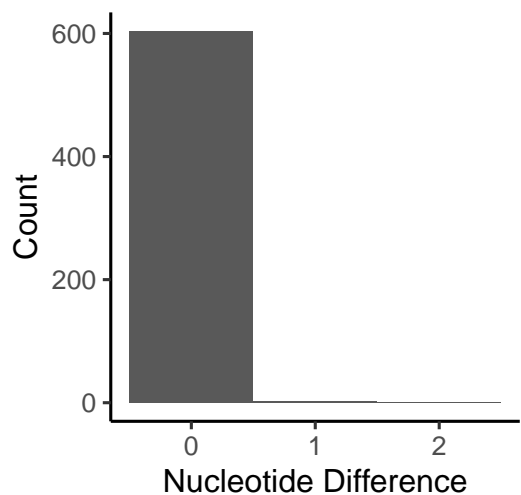
TRBV29-1*ap02

389 sequences assigned
384 (98.7%) exact matches, in which:
370 unique CDR3
13 unique J



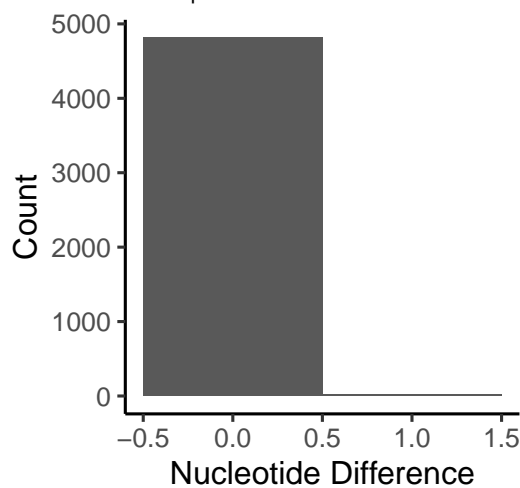
TRBV7-7*ap01_C315T

607 sequences assigned
604 (99.5%) exact matches, in which:
596 unique CDR3
13 unique J



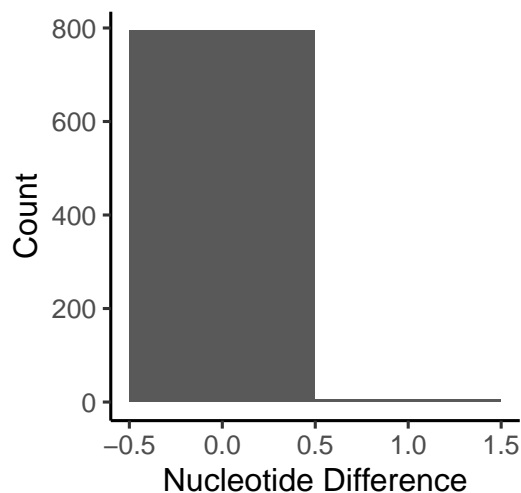
TRBV7-9*ap01

4839 sequences assigned
4814 (99.5%) exact matches, in which:
4736 unique CDR3
13 unique J



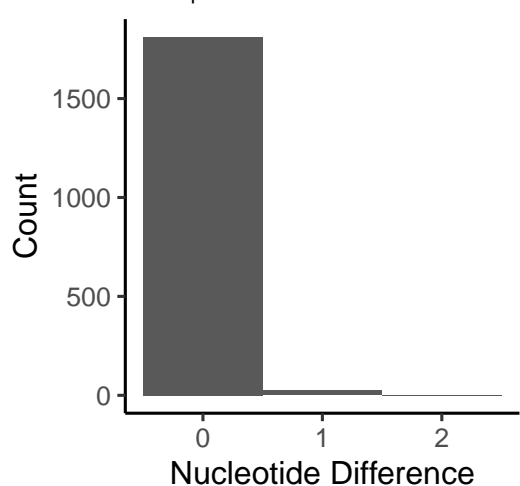
TRBV7-8*ap01

800 sequences assigned
795 (99.4%) exact matches, in which:
785 unique CDR3
13 unique J

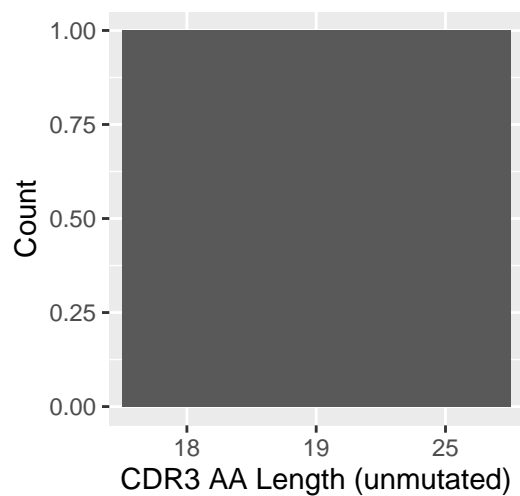


TRBV29-1*ap01

1837 sequences assigned
1811 (98.6%) exact matches, in which:
1771 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

