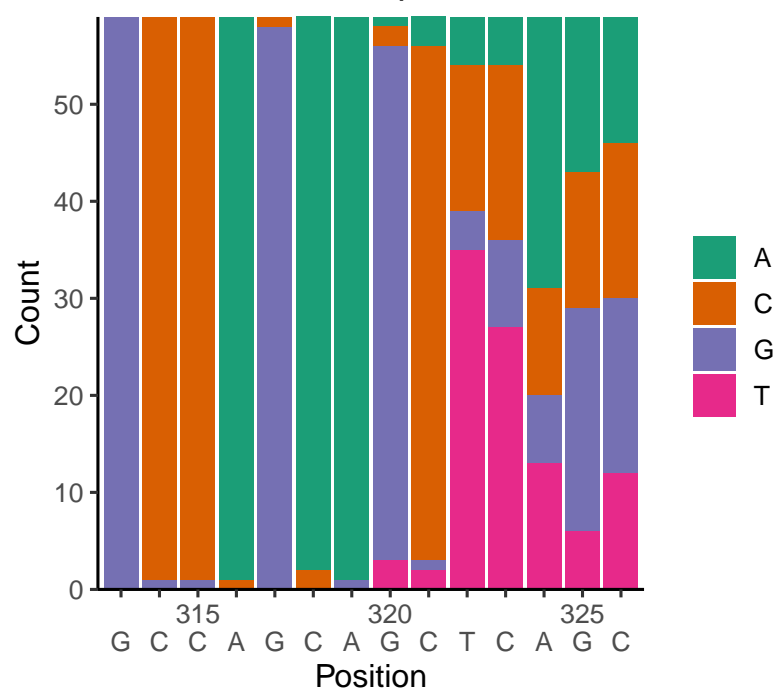
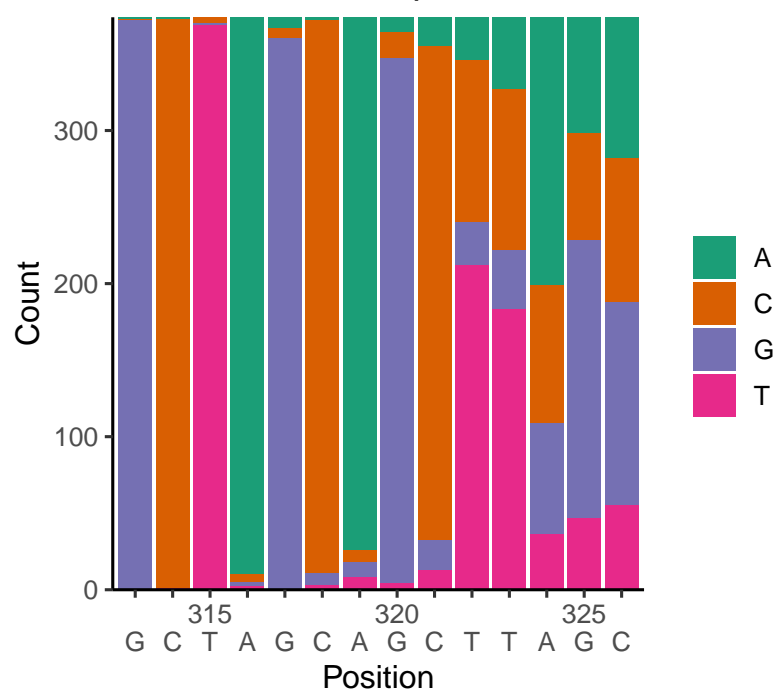


Gene TRBV7-1*ap01_G291C_T296C



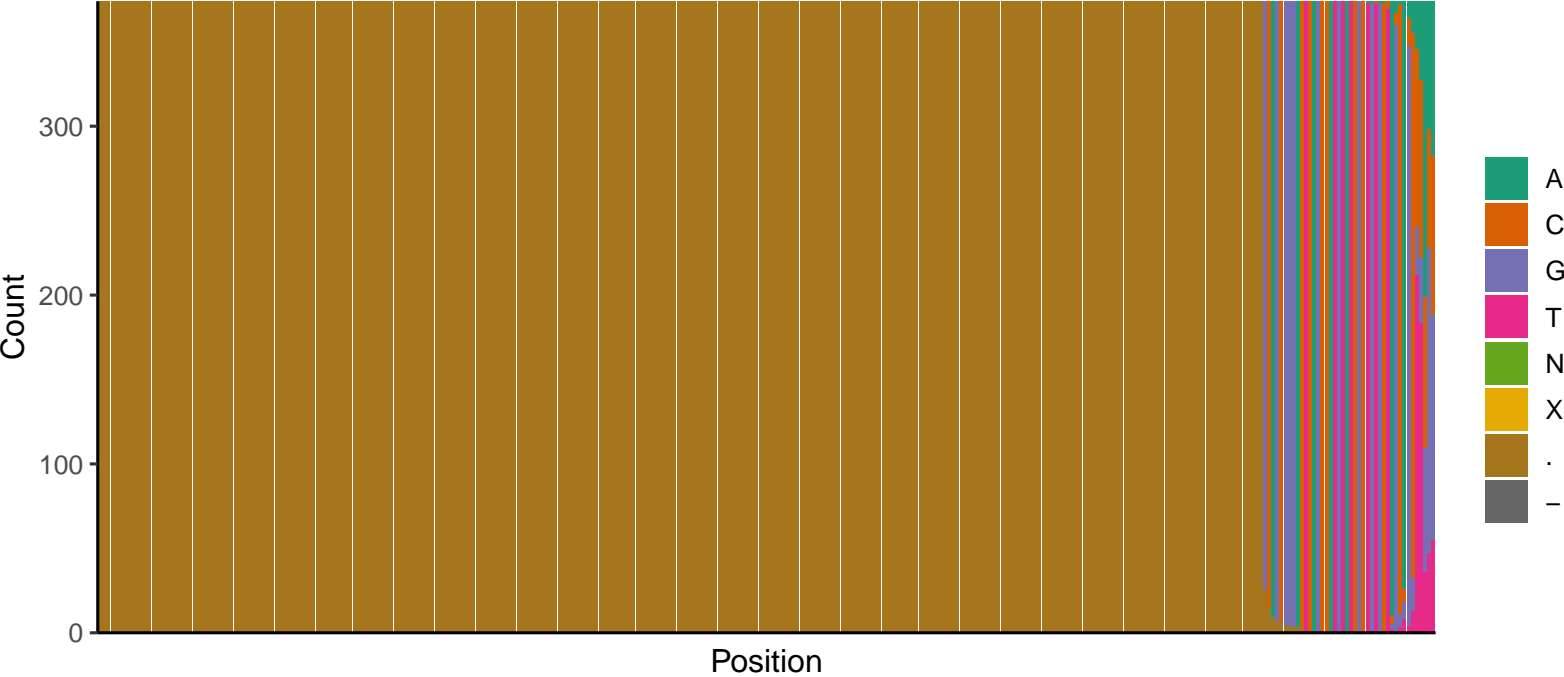
Gene TRBV7-7*ap01_C315T



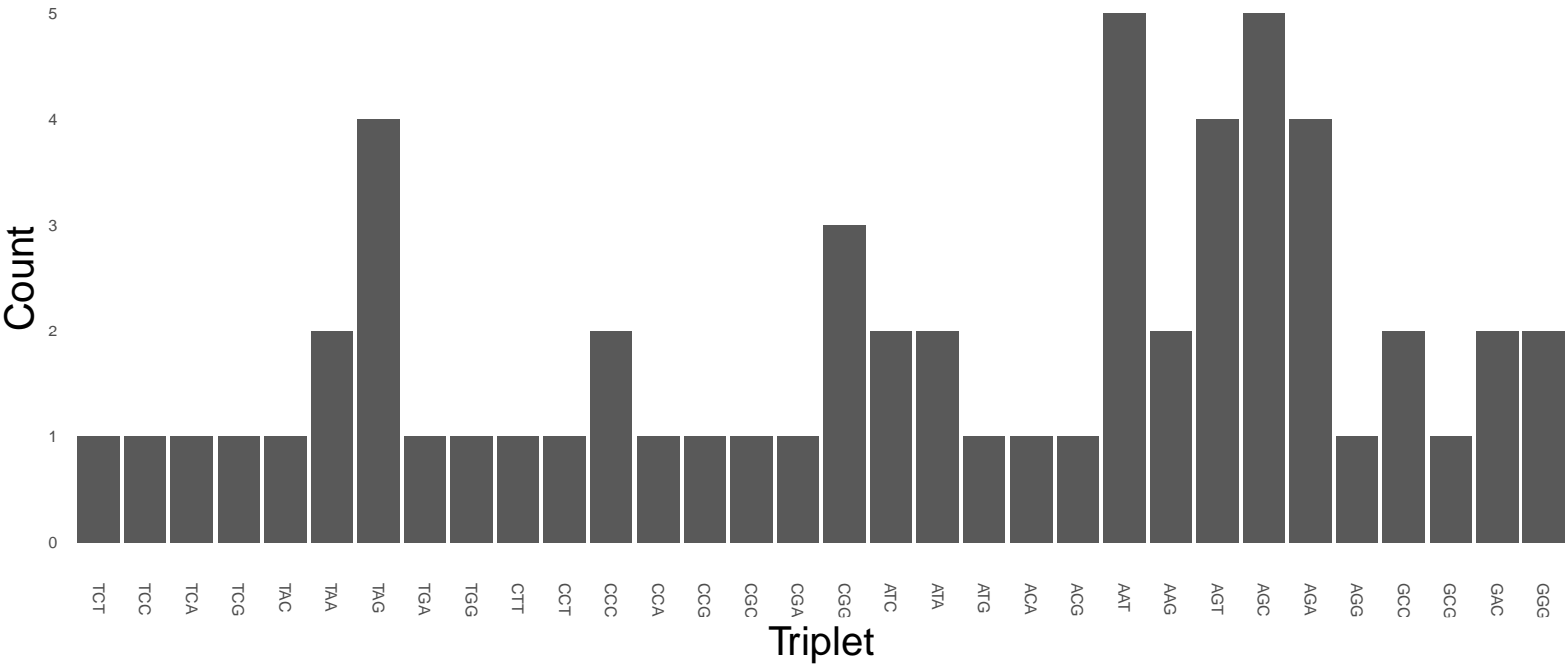
Gene TRBV7-1*ap01_G291C_T296C



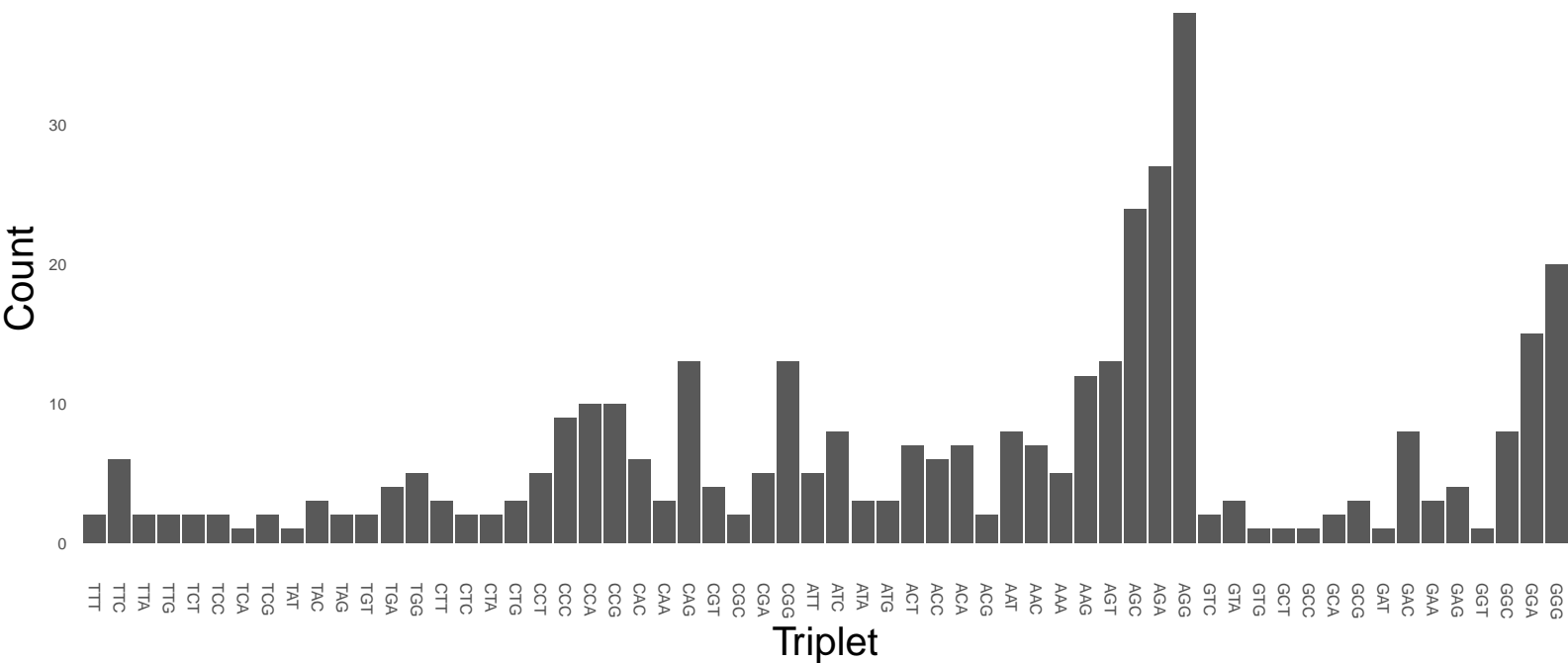
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

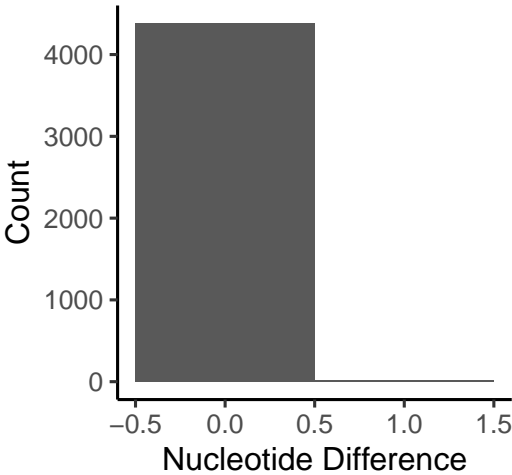


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



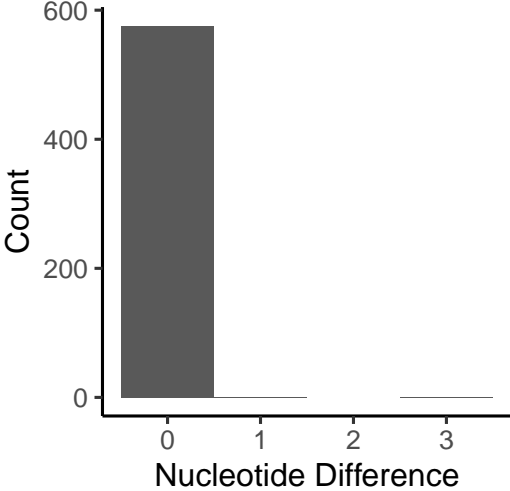
TRBV20-1*ap01

4396 sequences assigned
4381 (99.7%) exact matches, in which:
4364 unique CDR3
13 unique J



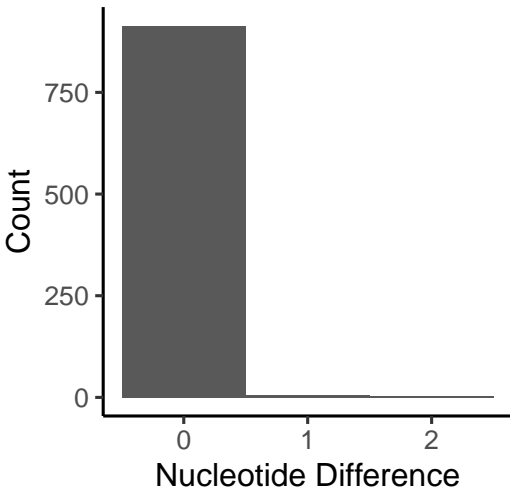
TRBV10-2*ap01

578 sequences assigned
576 (99.7%) exact matches, in which:
574 unique CDR3
13 unique J



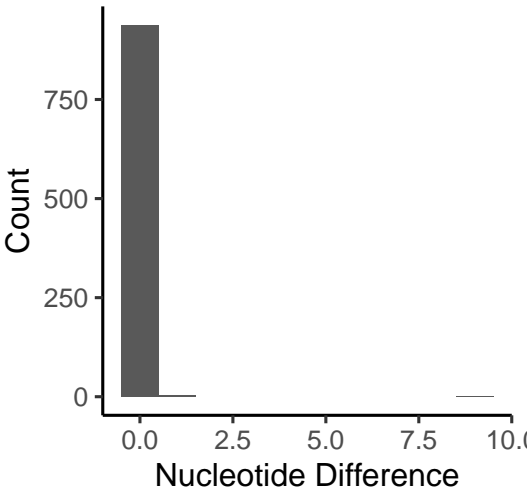
TRBV13*ap01

923 sequences assigned
914 (99%) exact matches, in which:
910 unique CDR3
13 unique J



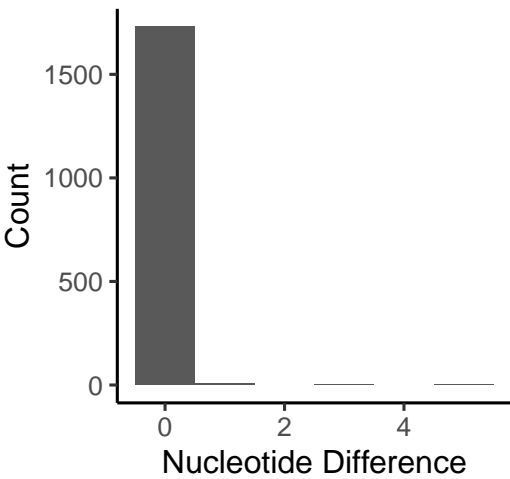
TRBV10-1*ap01

942 sequences assigned
938 (99.6%) exact matches, in which:
938 unique CDR3
12 unique J



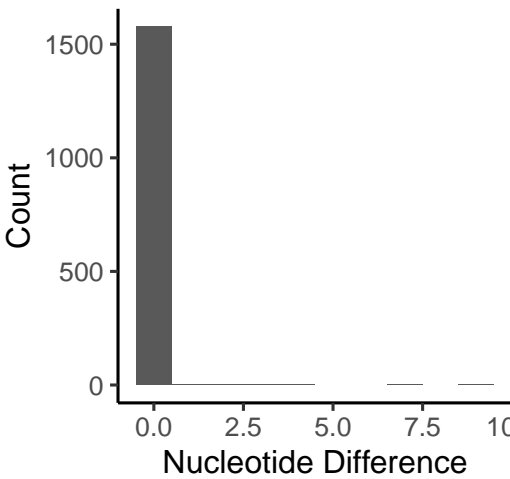
TRBV10-3*ap01

1739 sequences assigned
1730 (99.5%) exact matches, in which:
1726 unique CDR3
12 unique J



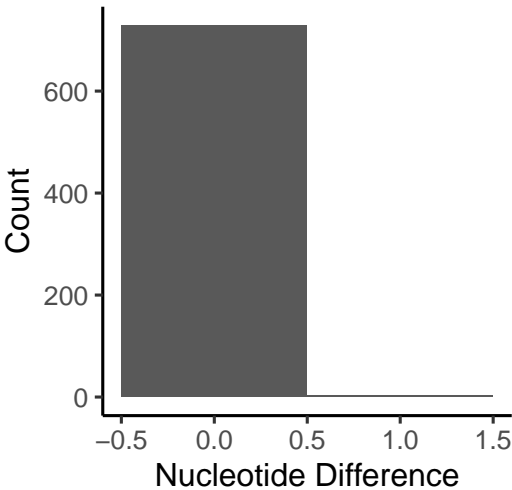
TRBV14*ap01

1586 sequences assigned
1577 (99.4%) exact matches, in which:
1574 unique CDR3
13 unique J



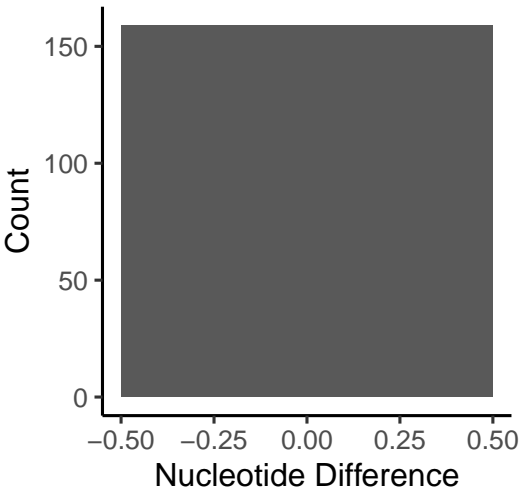
TRBV20-1*ap02

732 sequences assigned
729 (99.6%) exact matches, in which:
726 unique CDR3
13 unique J



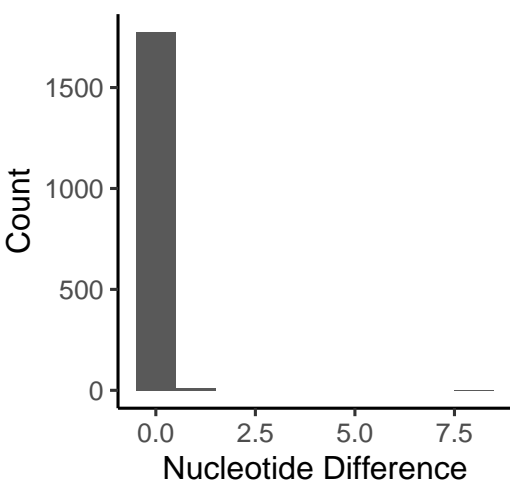
TRBV1*ap01

159 sequences assigned
159 (100%) exact matches, in which:
158 unique CDR3
11 unique J



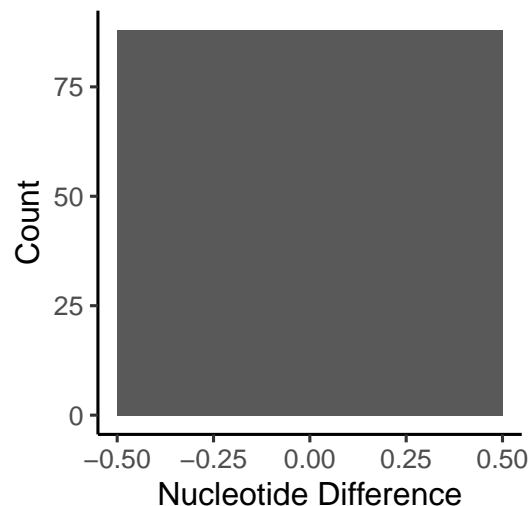
TRBV15*ap02

1788 sequences assigned
1775 (99.3%) exact matches, in which:
1767 unique CDR3
13 unique J



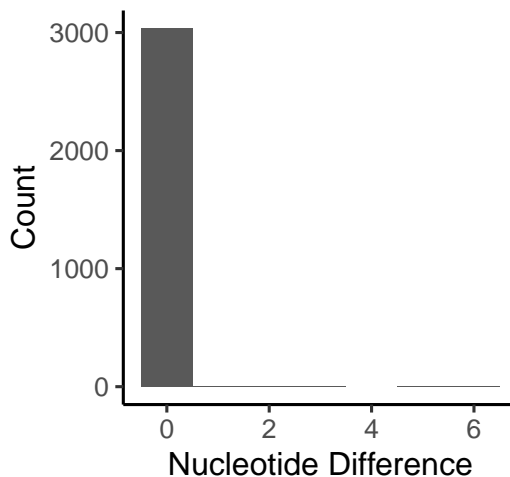
TRBV16*ap01

88 sequences assigned
88 (100%) exact matches, in which:
88 unique CDR3
11 unique J



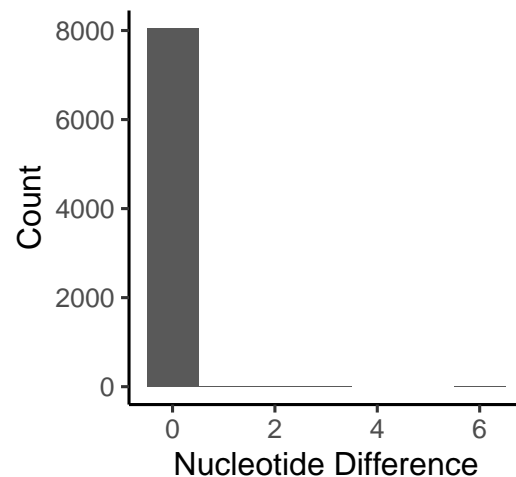
TRBV2*ap01

3046 sequences assigned
3035 (99.6%) exact matches, in which:
3029 unique CDR3
13 unique J



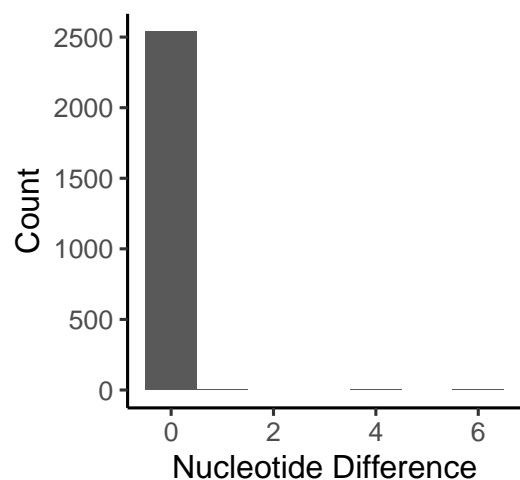
TRBV28*ap01

8066 sequences assigned
8047 (99.8%) exact matches, in which:
8032 unique CDR3
13 unique J



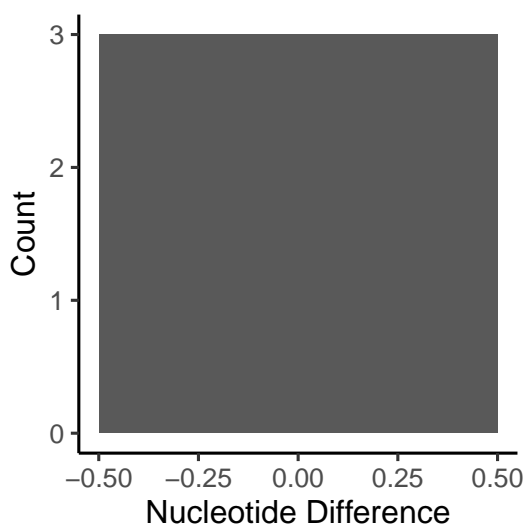
TRBV18*ap01

2543 sequences assigned
2538 (99.8%) exact matches, in which:
2533 unique CDR3
13 unique J



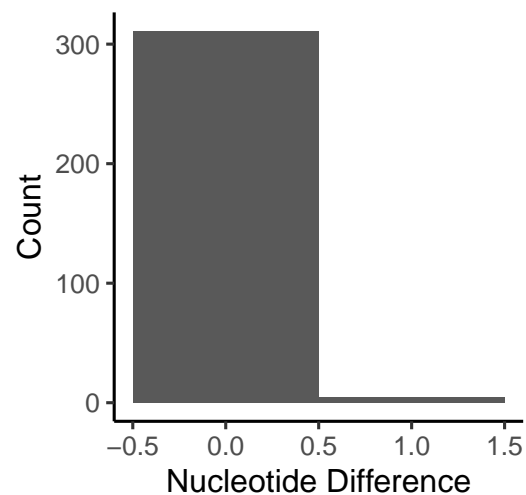
TRBV26*ap01

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



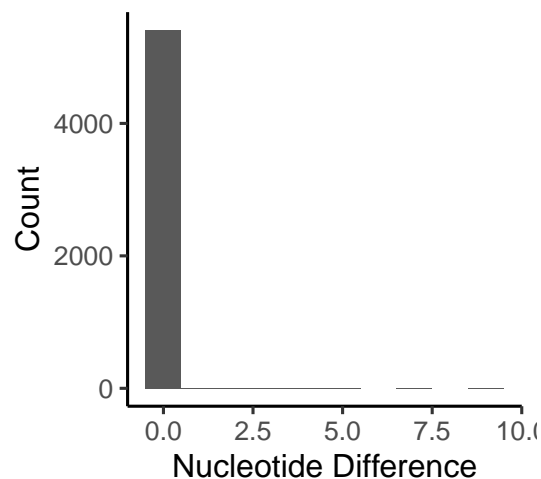
TRBV30*ap02

316 sequences assigned
311 (98.4%) exact matches, in which:
309 unique CDR3
12 unique J



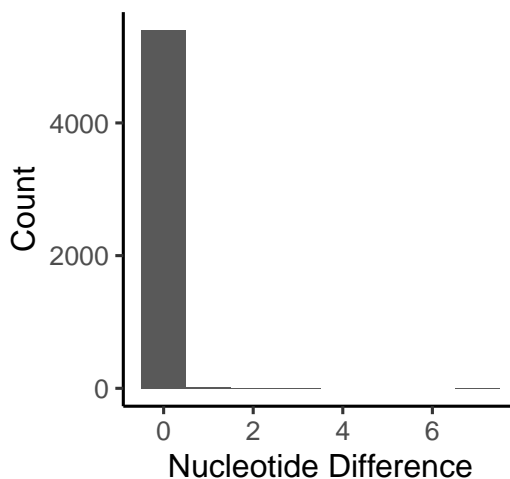
TRBV19*ap01

5428 sequences assigned
5410 (99.7%) exact matches, in which:
5406 unique CDR3
13 unique J



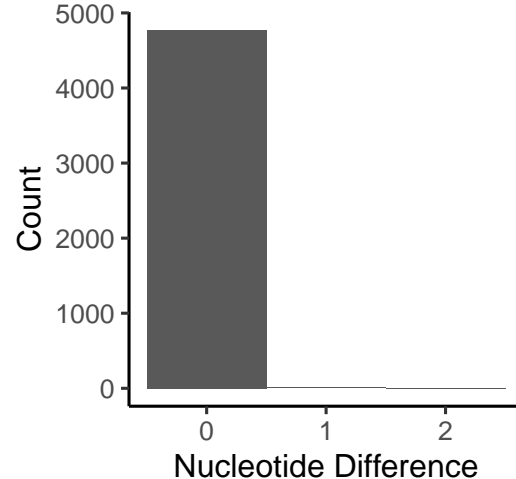
TRBV27*ap01

5423 sequences assigned
5400 (99.6%) exact matches, in which:
5392 unique CDR3
13 unique J



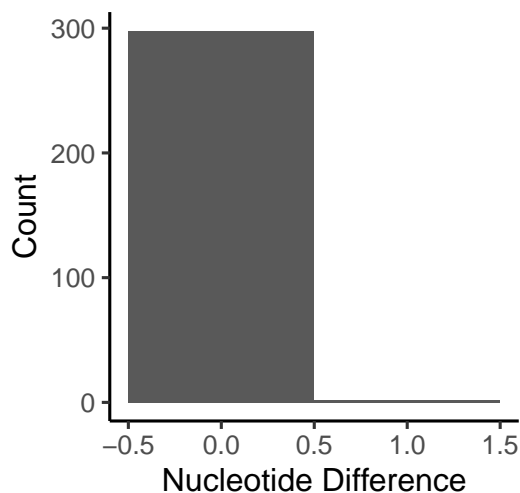
TRBV9*ap01

4785 sequences assigned
4772 (99.7%) exact matches, in which:
4752 unique CDR3
13 unique J



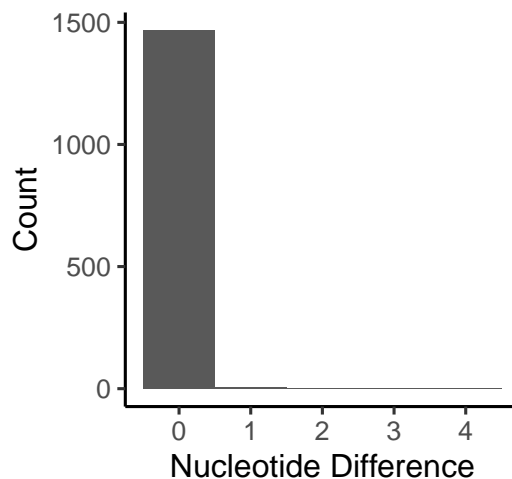
TRBV11-1*ap01

300 sequences assigned
298 (99.3%) exact matches, in which:
297 unique CDR3
12 unique J



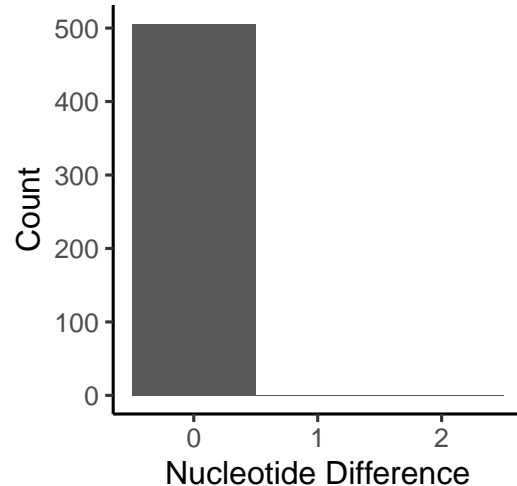
TRBV11-3*ap01

1476 sequences assigned
1467 (99.4%) exact matches, in which:
1466 unique CDR3
13 unique J



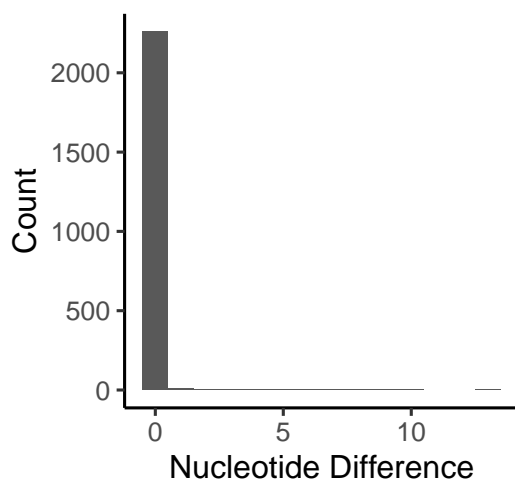
TRBV12-5*ap01

508 sequences assigned
506 (99.6%) exact matches, in which:
505 unique CDR3
12 unique J



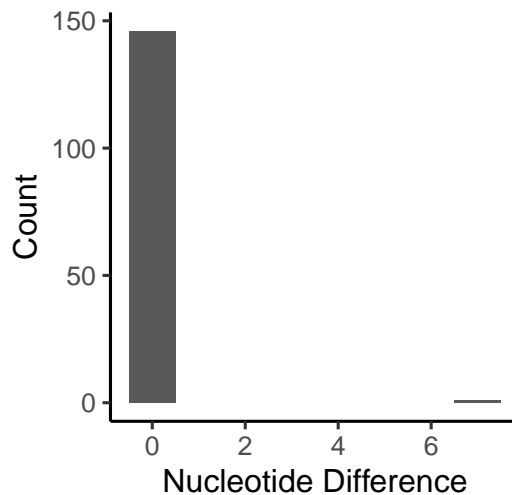
TRBV21-1*ap01

2282 sequences assigned
2259 (99%) exact matches, in which:
2257 unique CDR3
13 unique J



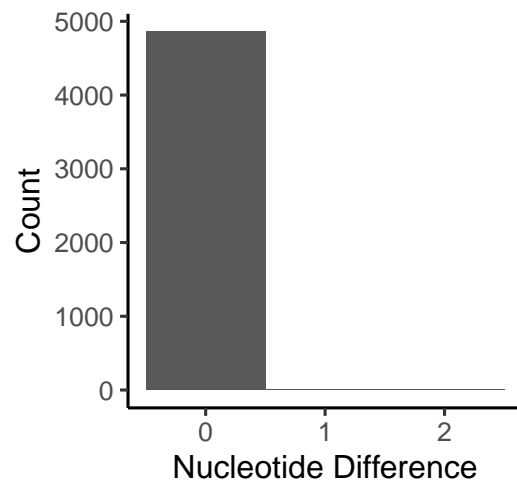
TRBV12-1*ap01

147 sequences assigned
146 (99.3%) exact matches, in which:
146 unique CDR3
12 unique J



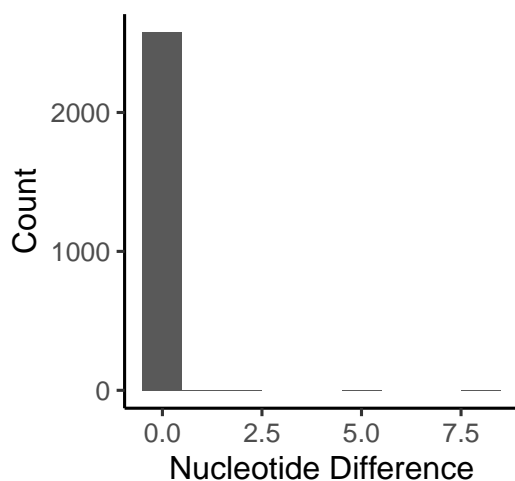
TRBV12-34*ap01

4872 sequences assigned
4859 (99.7%) exact matches, in which:
4849 unique CDR3
13 unique J



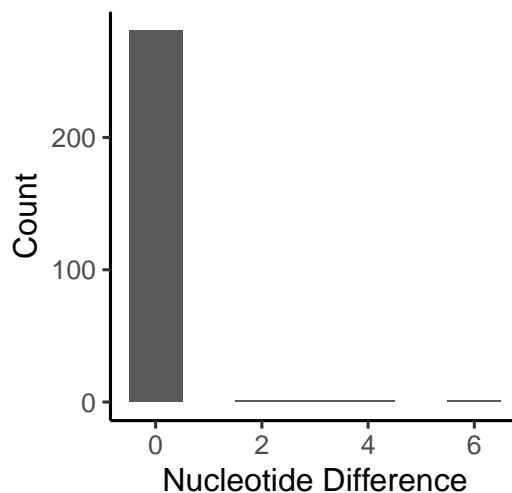
TRBV11-2*ap01

2583 sequences assigned
2579 (99.8%) exact matches, in which:
2576 unique CDR3
13 unique J



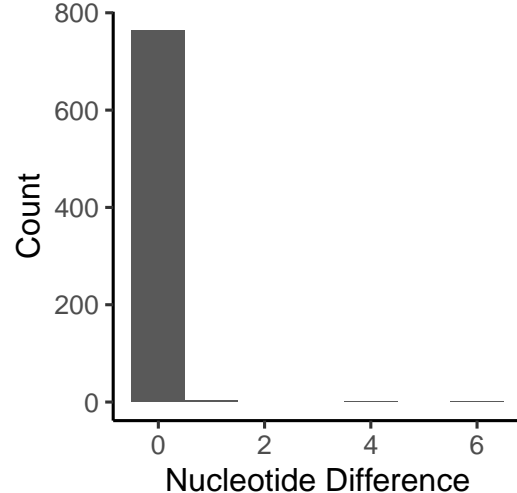
TRBV12-2*ap01

285 sequences assigned
281 (98.6%) exact matches, in which:
280 unique CDR3
12 unique J



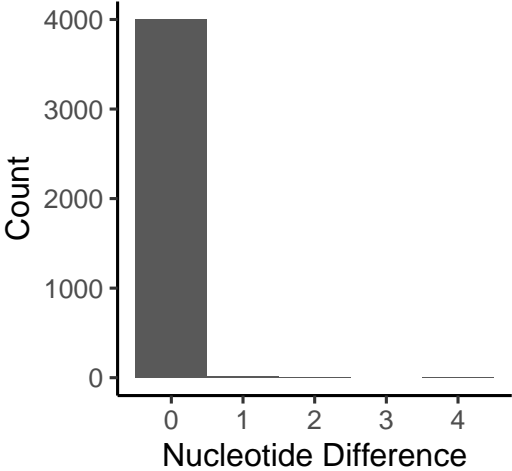
TRBV23-1*ap01

769 sequences assigned
764 (99.3%) exact matches, in which:
764 unique CDR3
12 unique J



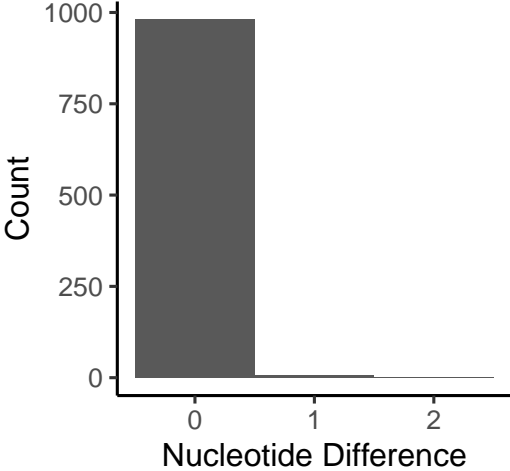
TRBV3-12*ap01

4017 sequences assigned
4001 (99.6%) exact matches, in which:
3991 unique CDR3
13 unique J



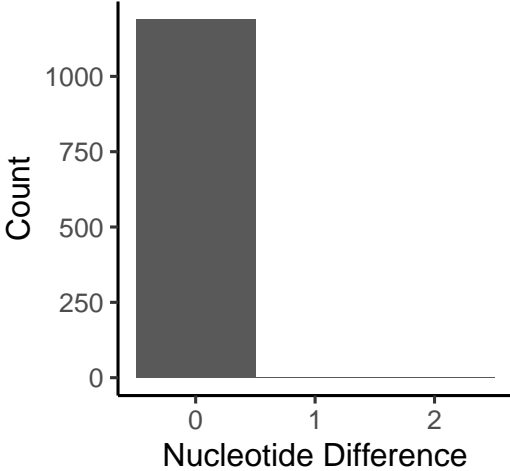
TRBV4-2*ap01

990 sequences assigned
981 (99.1%) exact matches, in which:
979 unique CDR3
13 unique J



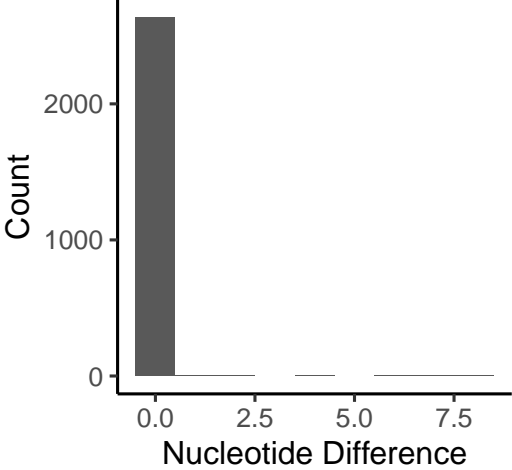
TRBV25-1*ap01

1193 sequences assigned
1189 (99.7%) exact matches, in which:
1187 unique CDR3
13 unique J



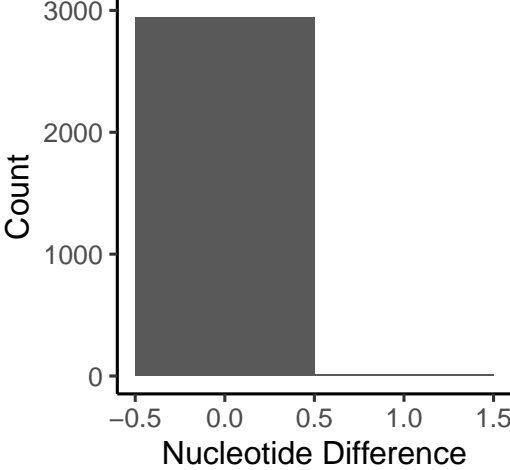
TRBV24-1*ap01

2643 sequences assigned
2633 (99.6%) exact matches, in which:
2628 unique CDR3
12 unique J



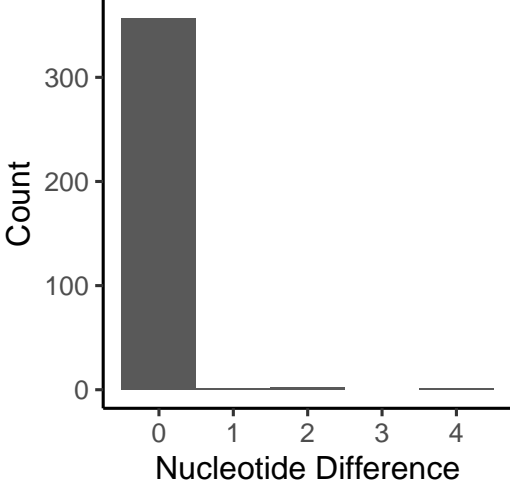
TRBV4-3*ap01

2951 sequences assigned
2940 (99.6%) exact matches, in which:
2934 unique CDR3
13 unique J



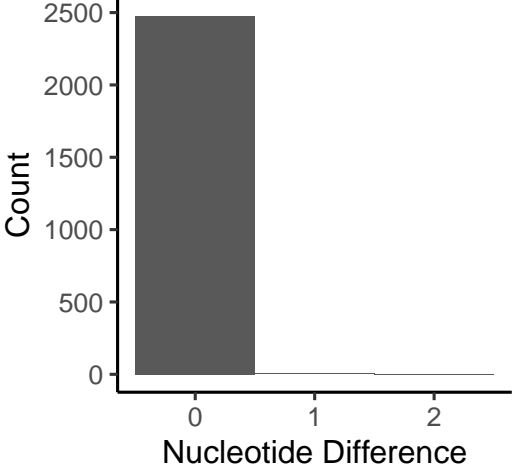
TRBV5-3*ap01

361 sequences assigned
357 (98.9%) exact matches, in which:
357 unique CDR3
12 unique J



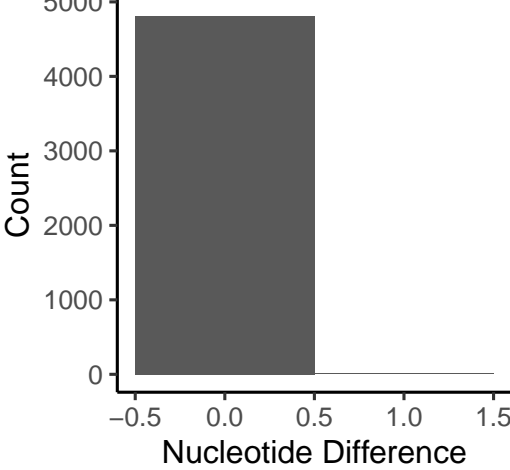
TRBV4-1*ap01

2482 sequences assigned
2476 (99.8%) exact matches, in which:
2470 unique CDR3
13 unique J



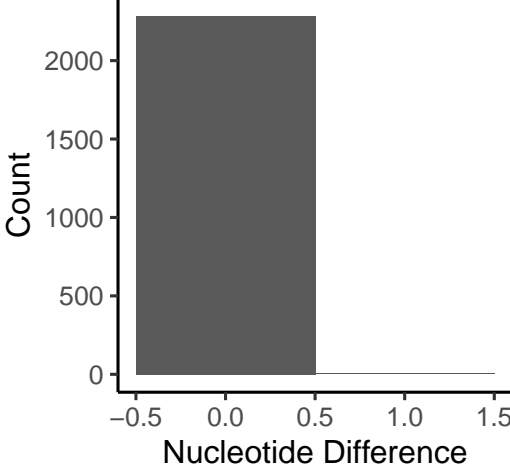
TRBV5-1*ap01

4822 sequences assigned
4810 (99.8%) exact matches, in which:
4784 unique CDR3
13 unique J



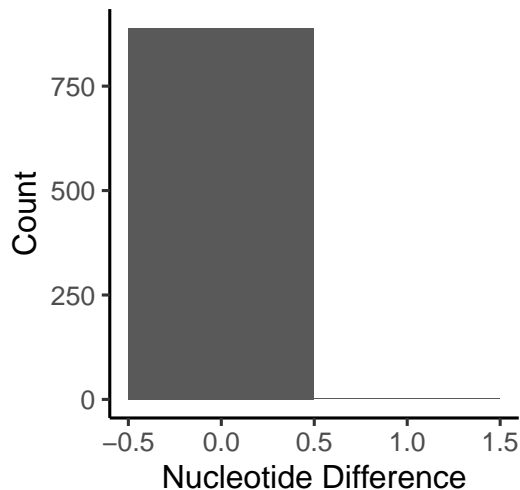
TRBV5-4*ap01

2290 sequences assigned
2284 (99.7%) exact matches, in which:
2277 unique CDR3
13 unique J



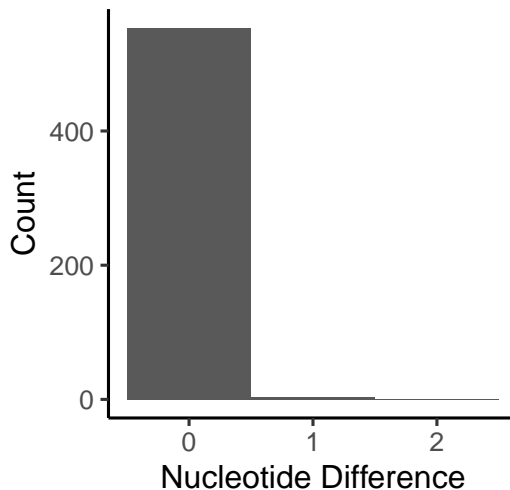
TRBV5-5*ap01

892 sequences assigned
890 (99.8%) exact matches, in which:
889 unique CDR3
12 unique J



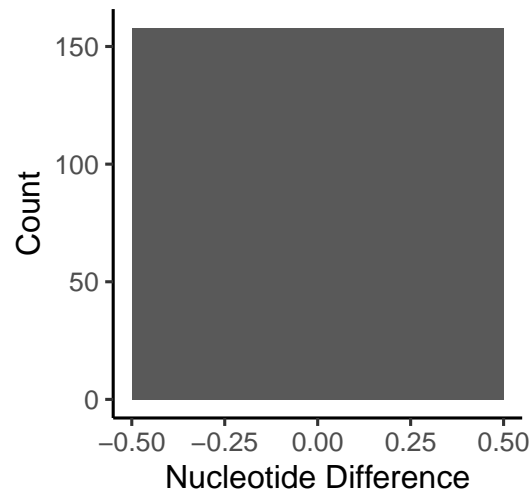
TRBV5-8*ap01

559 sequences assigned
554 (99.1%) exact matches, in which:
554 unique CDR3
12 unique J



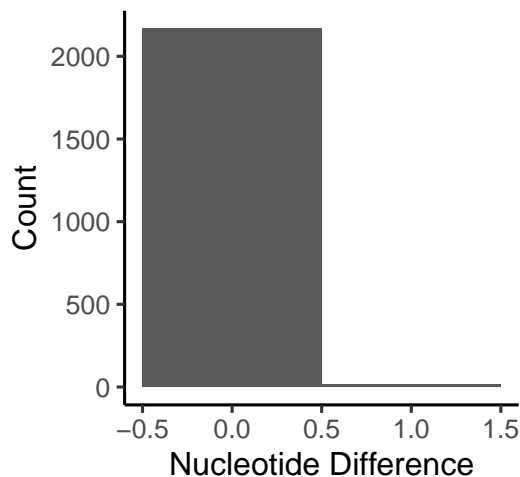
TRBV6-7*ap01

158 sequences assigned
158 (100%) exact matches, in which:
158 unique CDR3
11 unique J



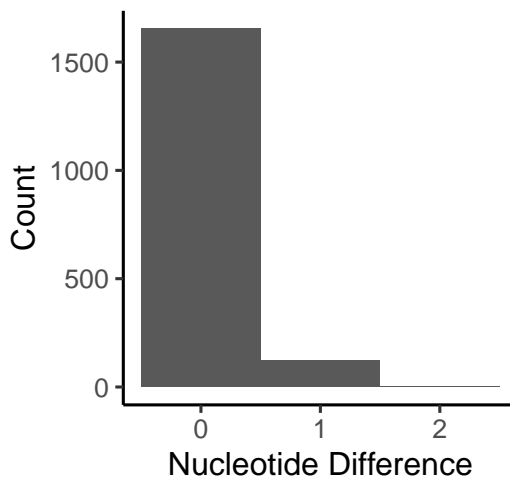
TRBV5-6*ap01

2181 sequences assigned
2167 (99.4%) exact matches, in which:
2159 unique CDR3
13 unique J



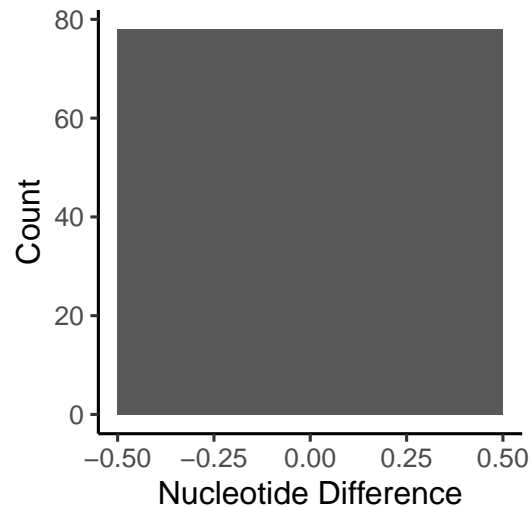
TRBV6-1*ap01

1776 sequences assigned
1654 (93.1%) exact matches, in which:
1653 unique CDR3
12 unique J



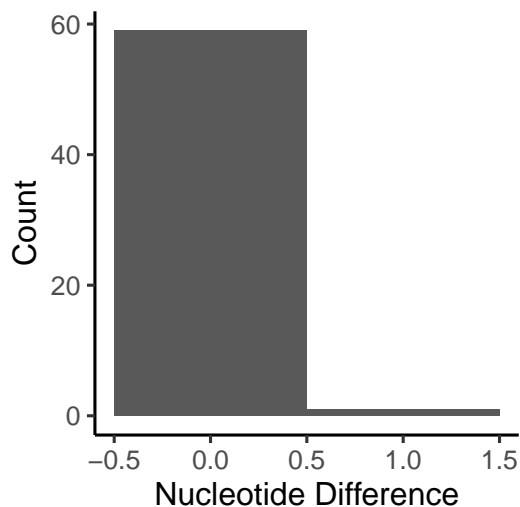
TRBV6-8*ap01

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



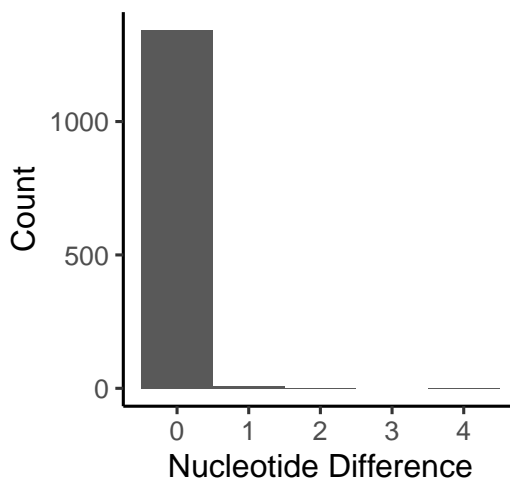
TRBV5-7*ap01

60 sequences assigned
59 (98.3%) exact matches, in which:
59 unique CDR3
12 unique J



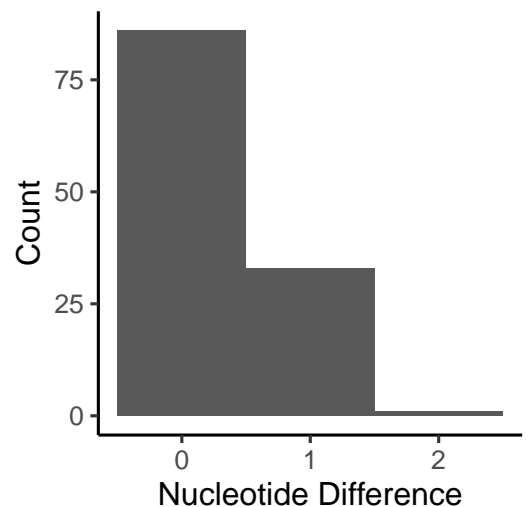
TRBV6-4*ap01

1353 sequences assigned
1343 (99.3%) exact matches, in which:
1342 unique CDR3
12 unique J



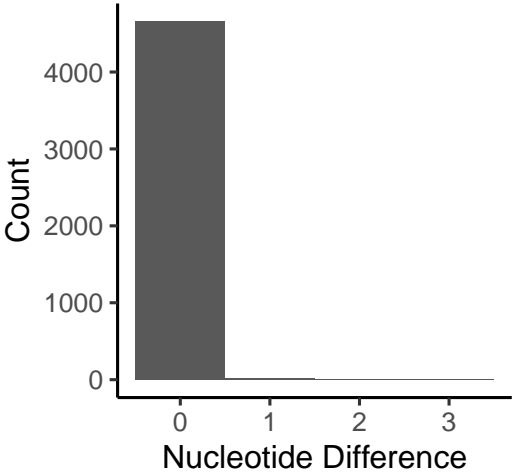
TRBV6-9*ap01

120 sequences assigned
86 (71.7%) exact matches, in which:
86 unique CDR3
11 unique J



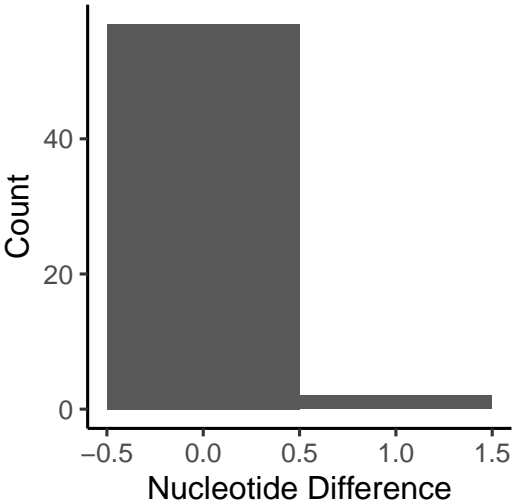
TRBV6-23*ap01

4677 sequences assigned
4658 (99.6%) exact matches, in which:
4644 unique CDR3
13 unique J



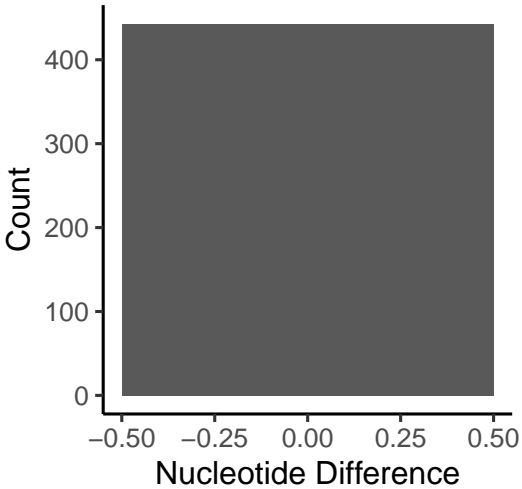
TRBV7-1*ap01_G291C_T

59 sequences assigned
57 (96.6%) exact matches, in which:
57 unique CDR3
11 unique J



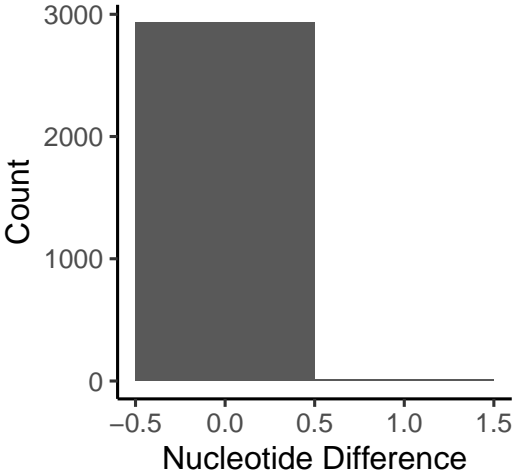
TRBV7-3*ap02

443 sequences assigned
443 (100%) exact matches, in which:
443 unique CDR3
13 unique J



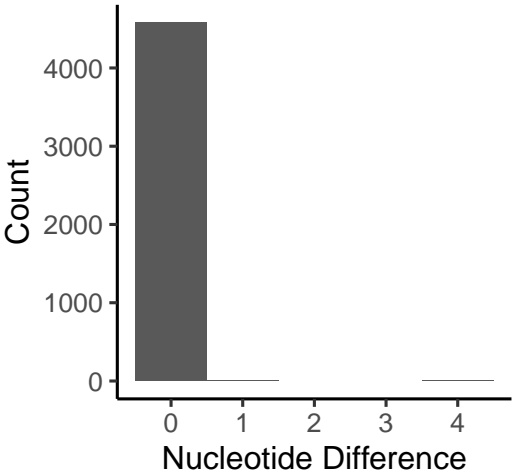
TRBV6-56*ap01

2940 sequences assigned
2931 (99.7%) exact matches, in which:
2916 unique CDR3
13 unique J



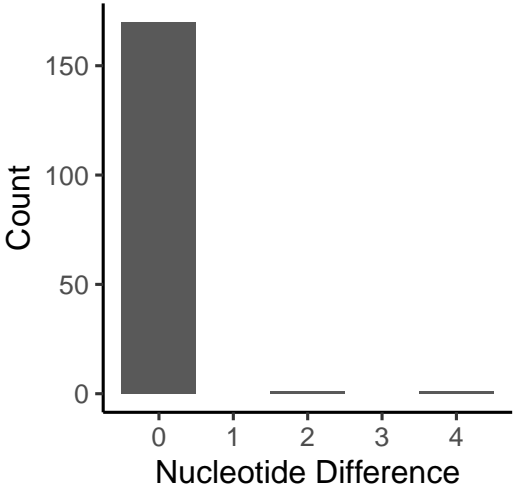
TRBV7-2*ap01

4588 sequences assigned
4578 (99.8%) exact matches, in which:
4571 unique CDR3
13 unique J



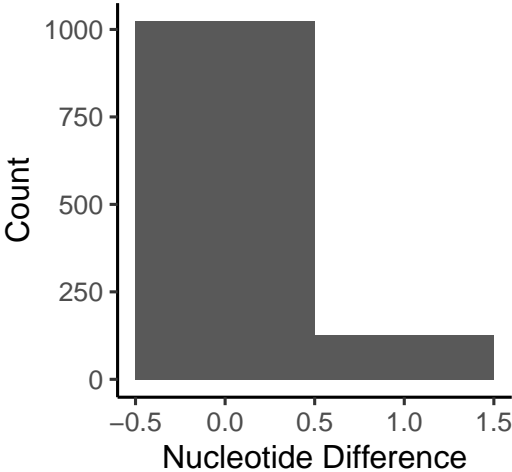
TRBV7-4*ap01

172 sequences assigned
170 (98.8%) exact matches, in which:
169 unique CDR3
12 unique J



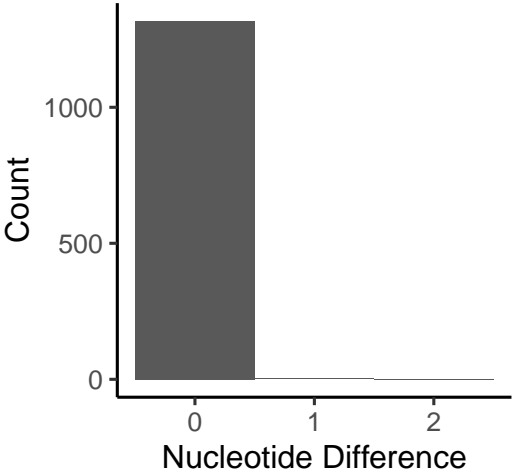
TRBV6-56*ap02

1151 sequences assigned
1024 (89%) exact matches, in which:
1020 unique CDR3
13 unique J



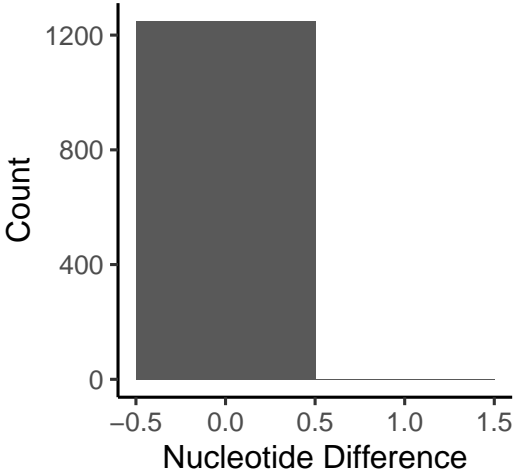
TRBV7-3*ap01

1321 sequences assigned
1317 (99.7%) exact matches, in which:
1313 unique CDR3
13 unique J



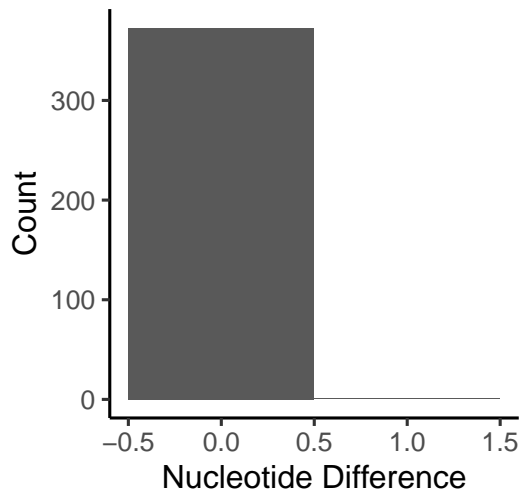
TRBV7-6*ap01

1251 sequences assigned
1249 (99.8%) exact matches, in which:
1249 unique CDR3
12 unique J



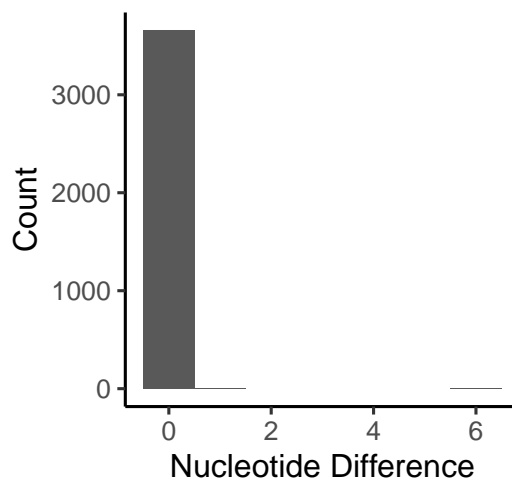
TRBV7-7*ap01_C315T

374 sequences assigned
373 (99.7%) exact matches, in which:
372 unique CDR3
12 unique J



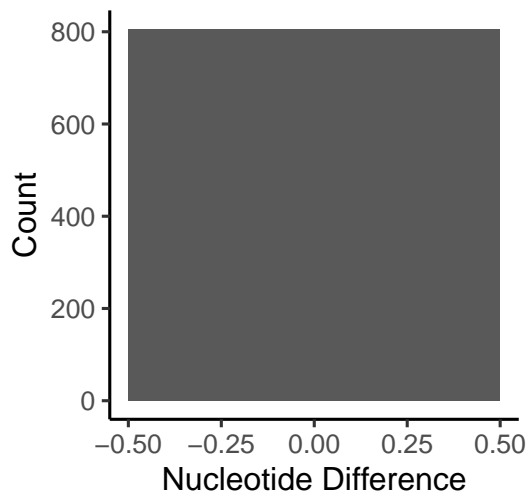
TRBV7-9*ap01

3664 sequences assigned
3657 (99.8%) exact matches, in which:
3647 unique CDR3
13 unique J



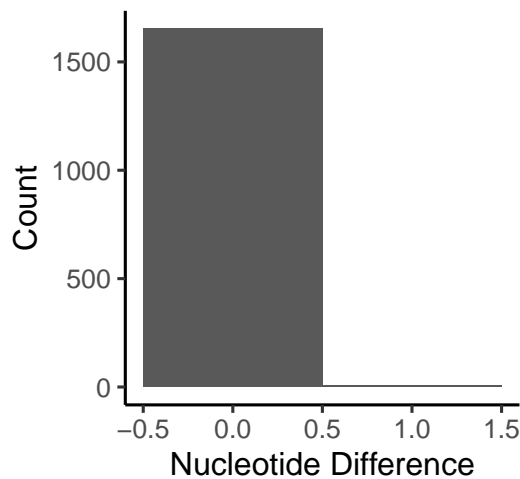
TRBV7-8*ap01

806 sequences assigned
806 (100%) exact matches, in which:
804 unique CDR3
12 unique J



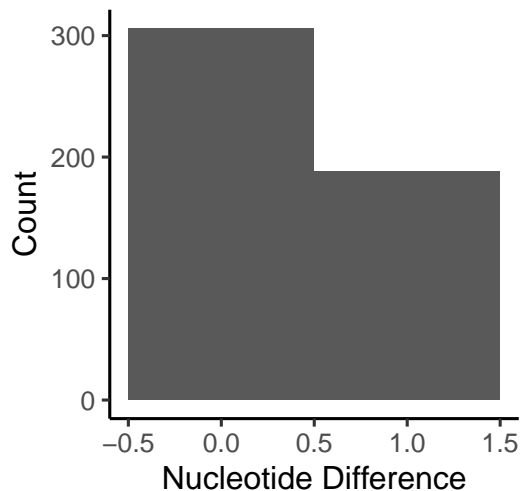
TRBV29-1*ap01

1659 sequences assigned
1653 (99.6%) exact matches, in which:
1651 unique CDR3
12 unique J



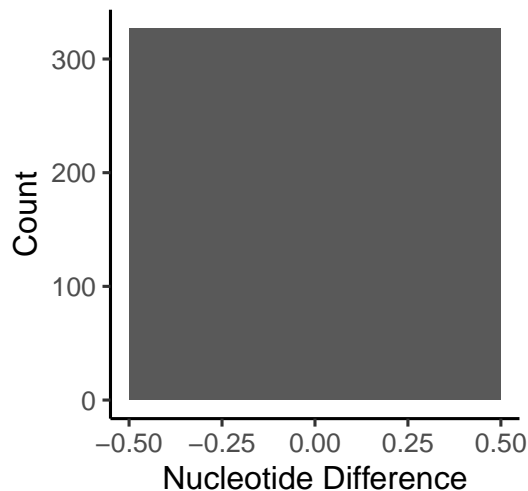
TRBV7-8*ap03

494 sequences assigned
306 (61.9%) exact matches, in which:
305 unique CDR3
12 unique J

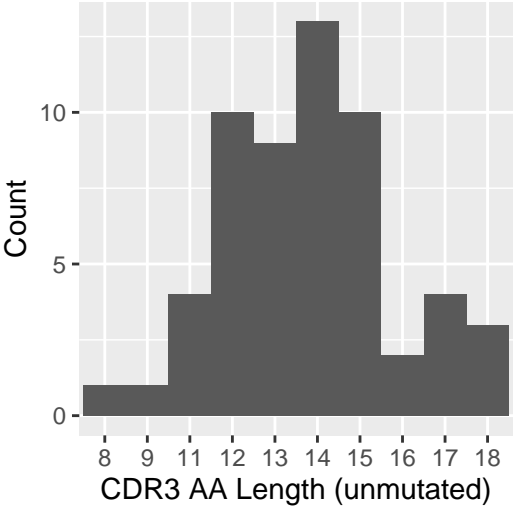


TRBV29-1*ap02

327 sequences assigned
327 (100%) exact matches, in which:
327 unique CDR3
12 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

