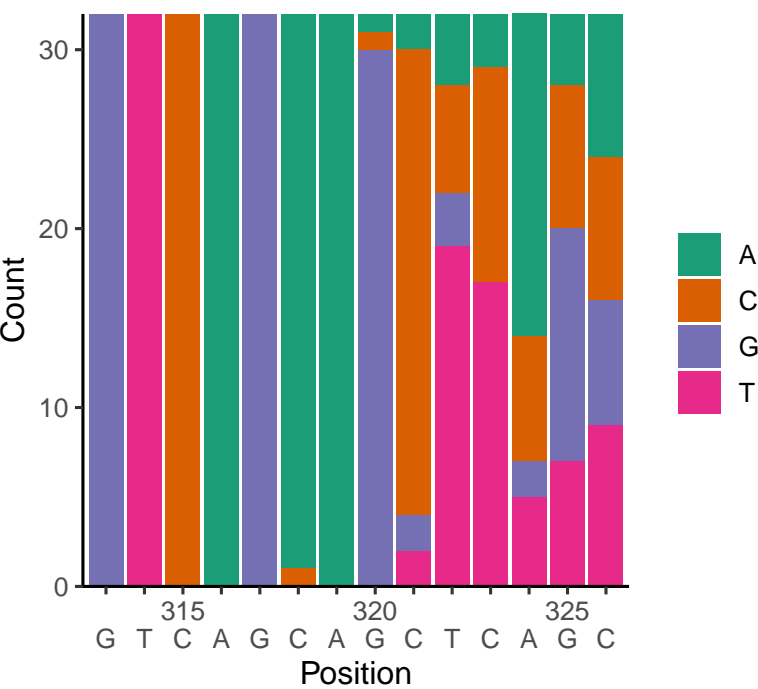
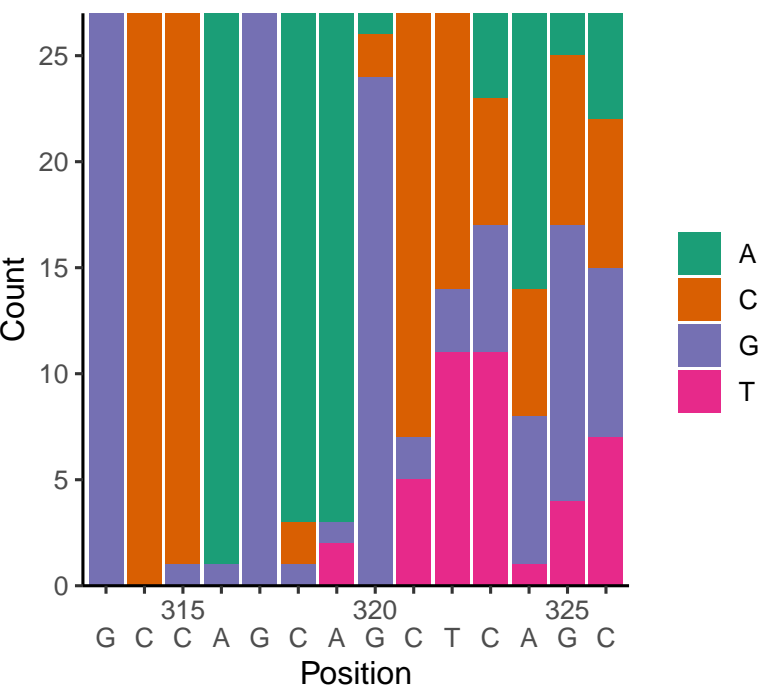


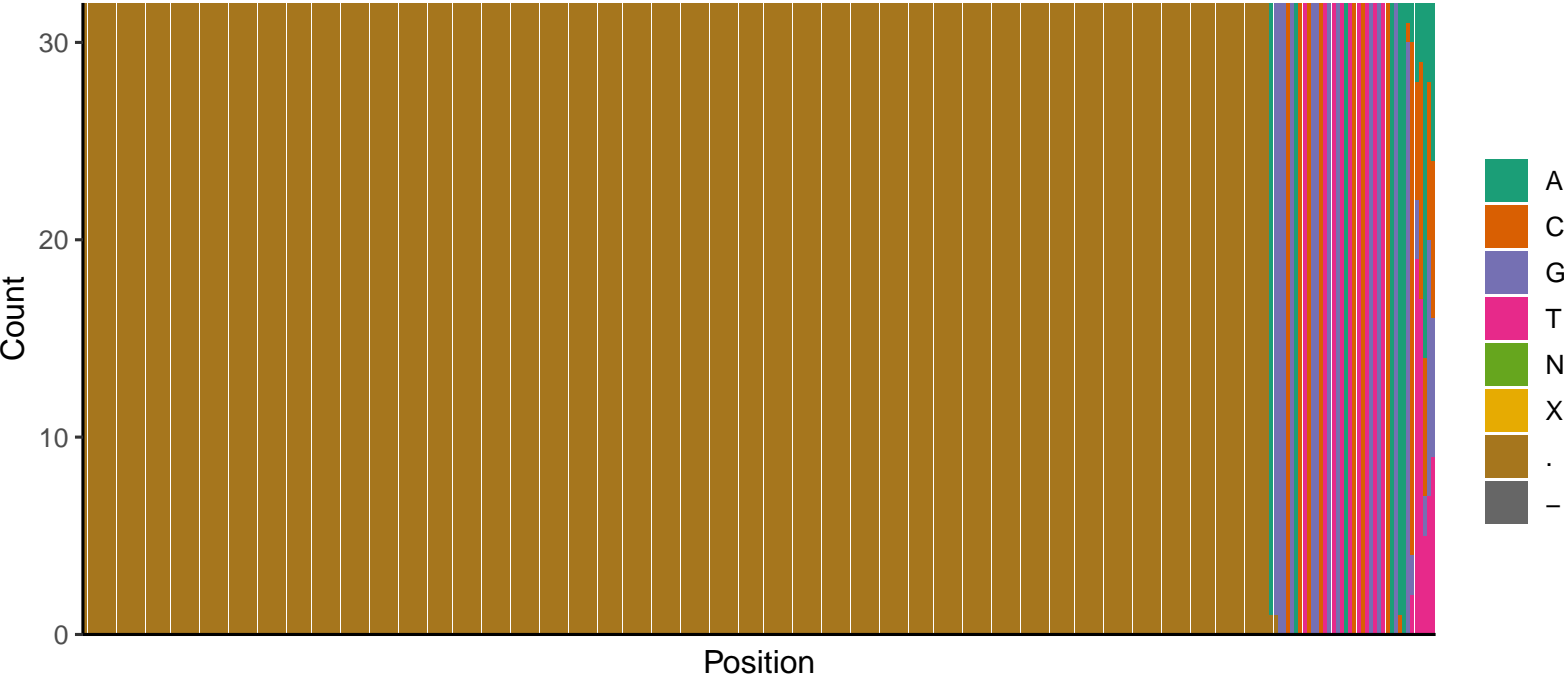
Gene TRBV7-1*ap01_G291C_T296C_C314T



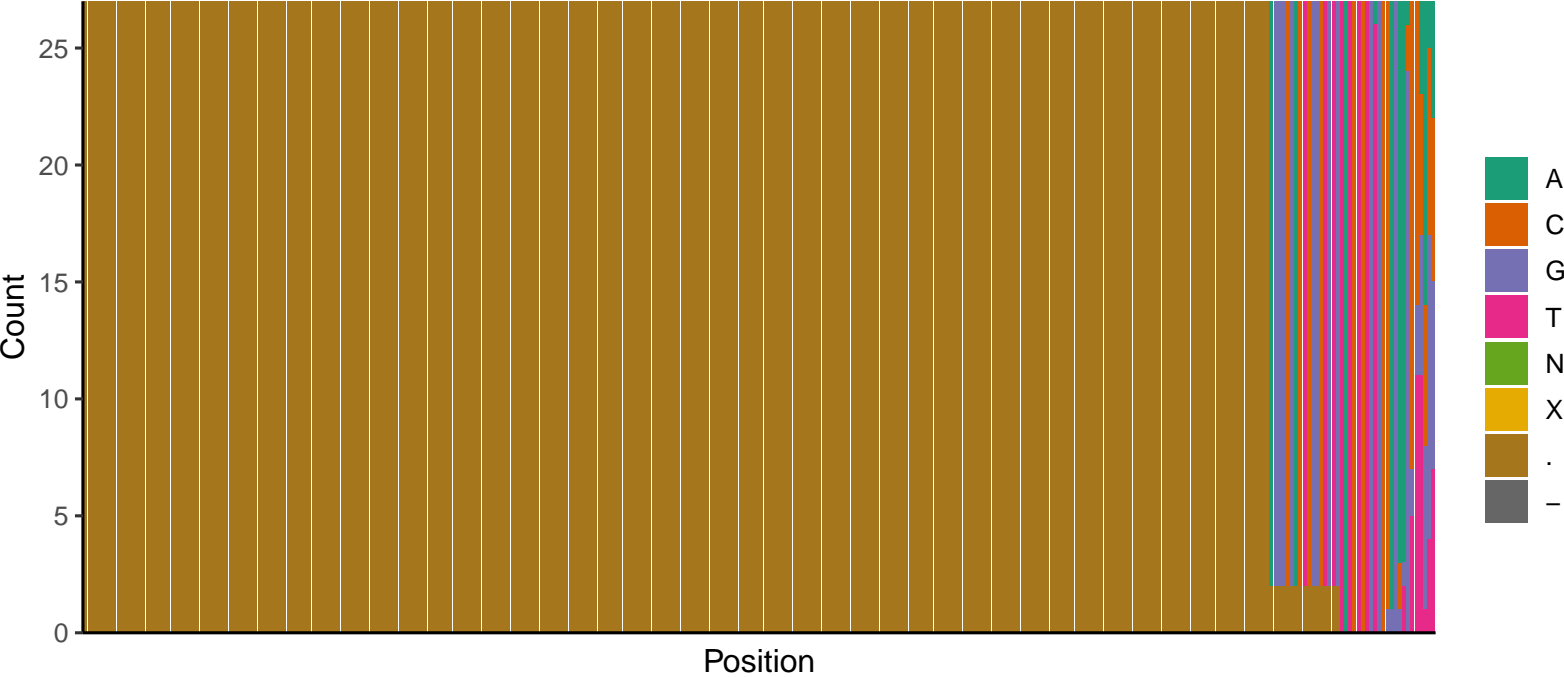
Gene TRBV7-1*ap01_G291C_T296C



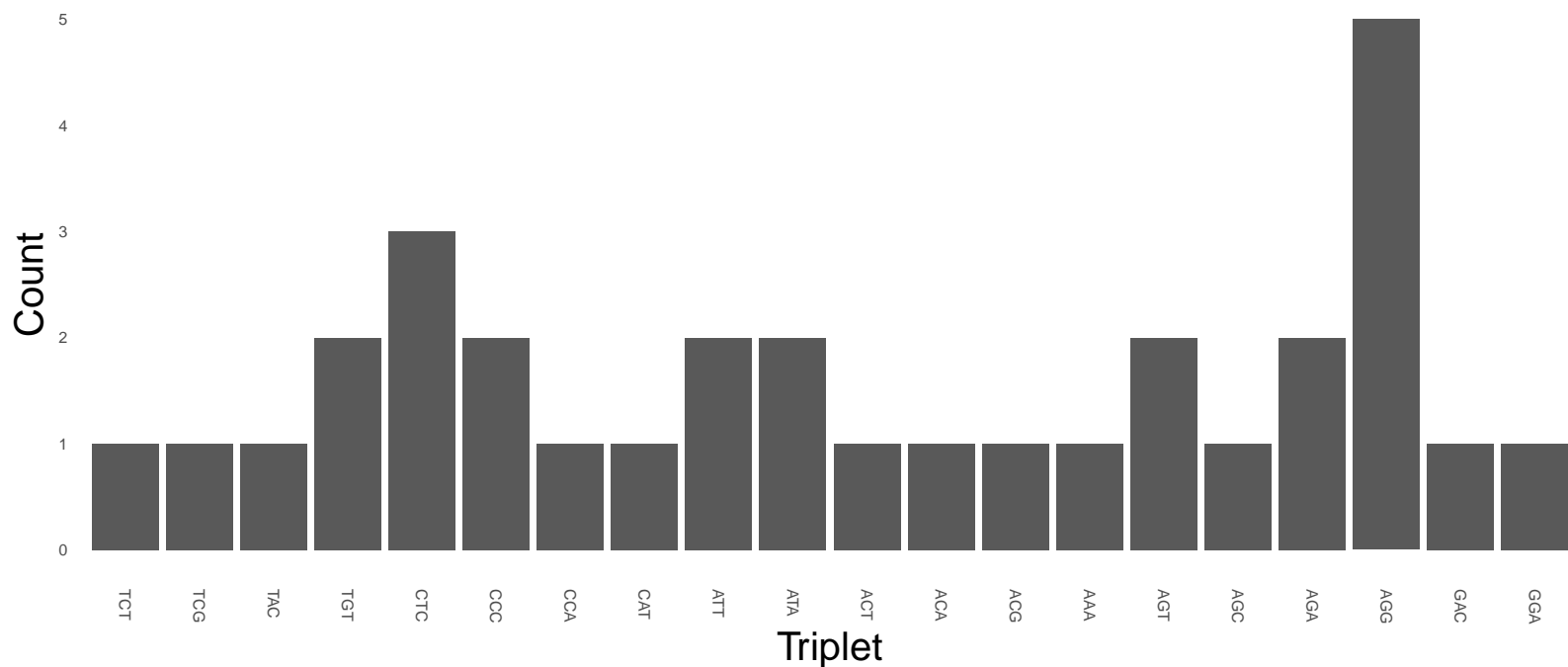
Gene TRBV7-1*ap01_G291C_T296C_C314T



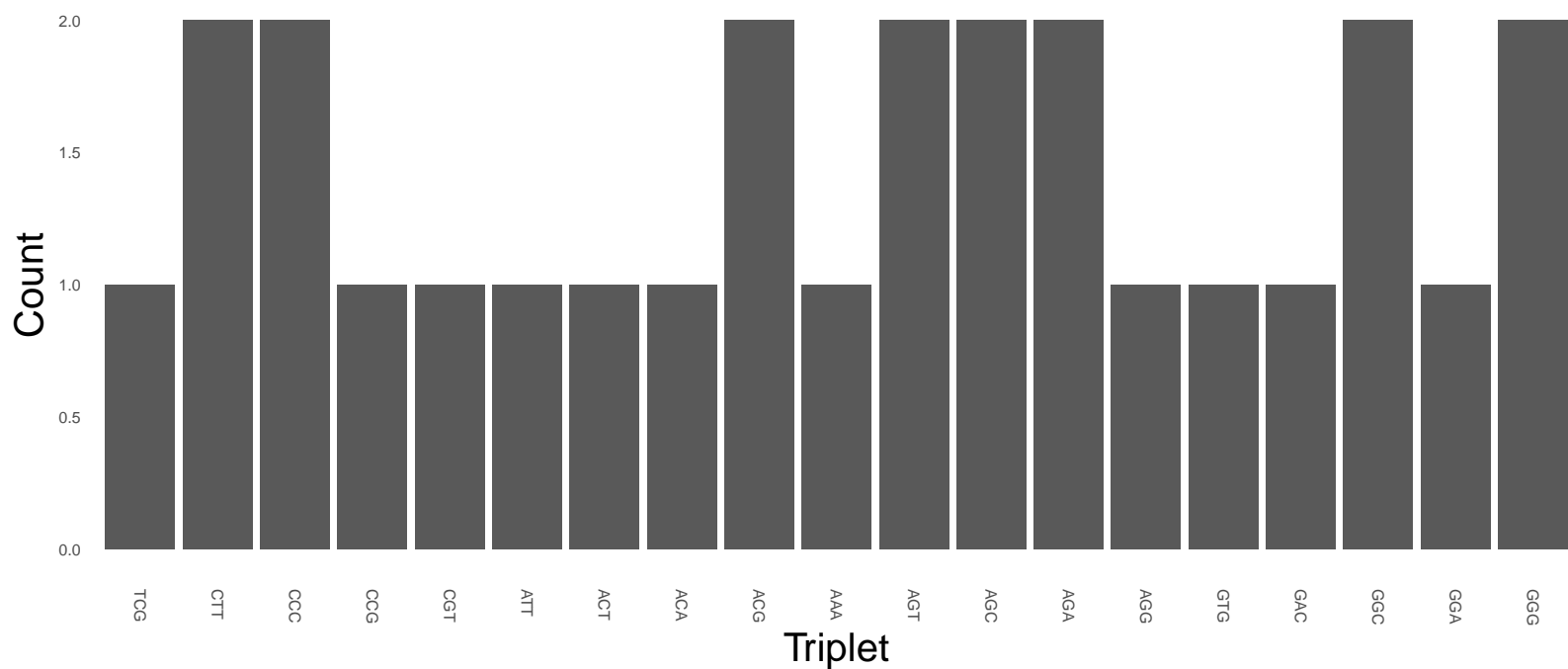
Gene TRBV7-1*ap01_G291C_T296C



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

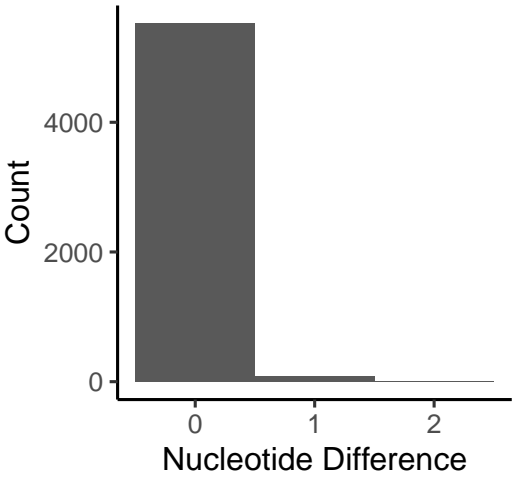


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



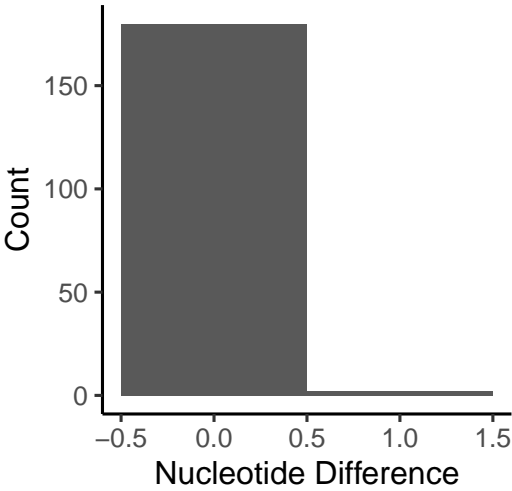
TRBV20-1*ap01

5620 sequences assigned
5525 (98.3%) exact matches, in which:
5388 unique CDR3
13 unique J



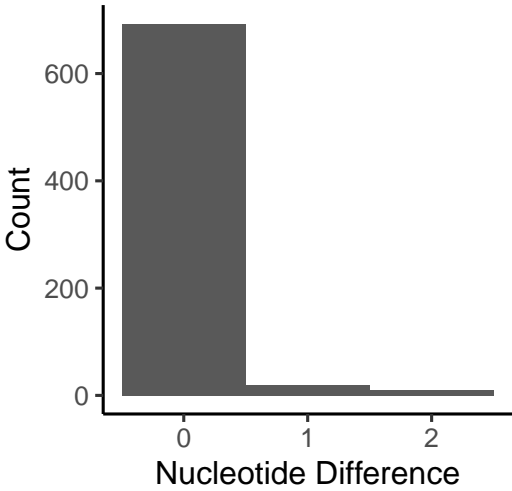
TRBV10-2*ap01

182 sequences assigned
180 (98.9%) exact matches, in which:
178 unique CDR3
13 unique J



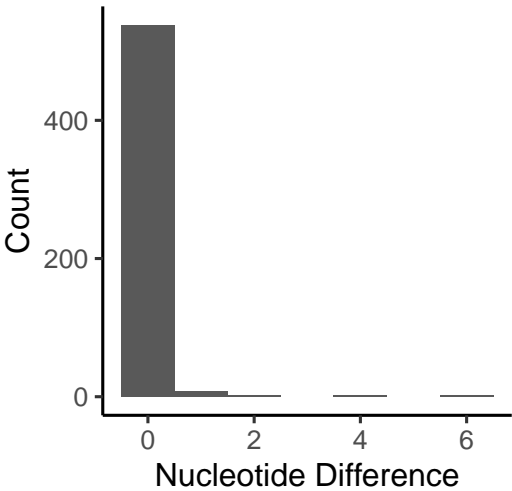
TRBV13*ap01

722 sequences assigned
693 (96%) exact matches, in which:
685 unique CDR3
13 unique J



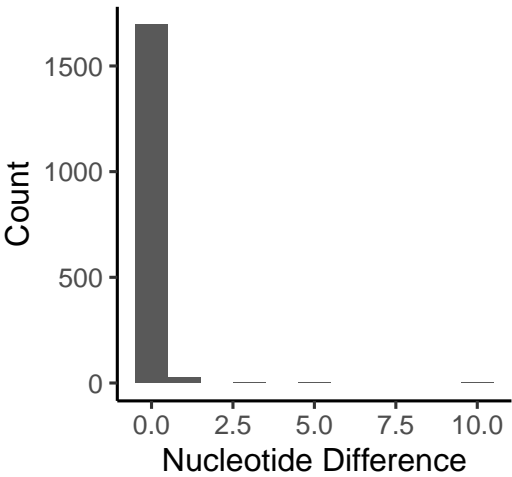
TRBV10-1*ap01

552 sequences assigned
538 (97.5%) exact matches, in which:
535 unique CDR3
13 unique J



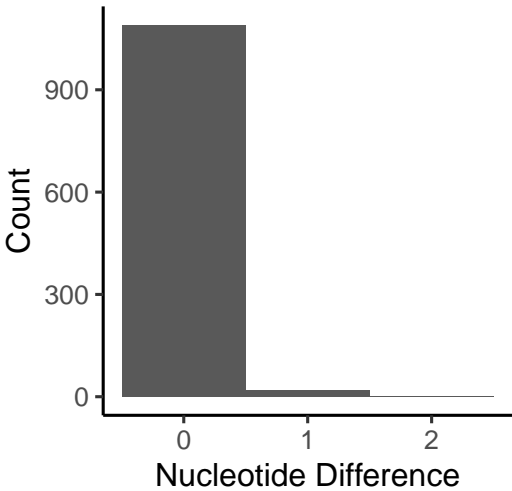
TRBV10-3*ap01

1726 sequences assigned
1695 (98.2%) exact matches, in which:
1679 unique CDR3
13 unique J



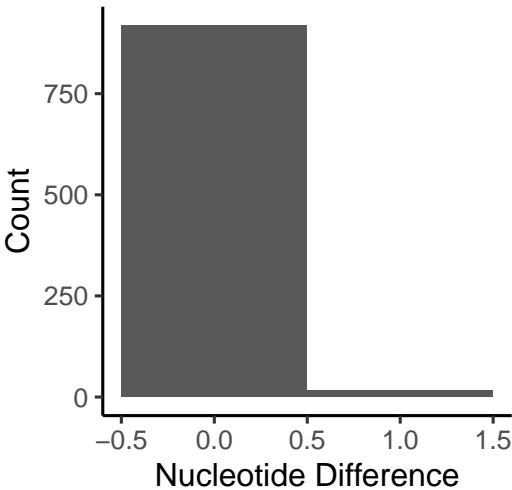
TRBV14*ap01

1110 sequences assigned
1090 (98.2%) exact matches, in which:
1081 unique CDR3
13 unique J



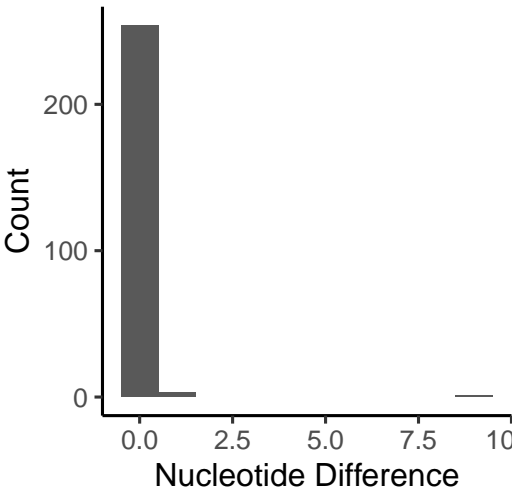
TRBV20-1*ap02

936 sequences assigned
919 (98.2%) exact matches, in which:
893 unique CDR3
13 unique J



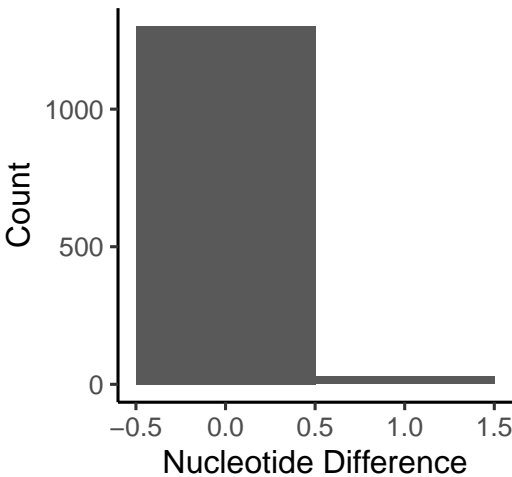
TRBV1*ap01

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



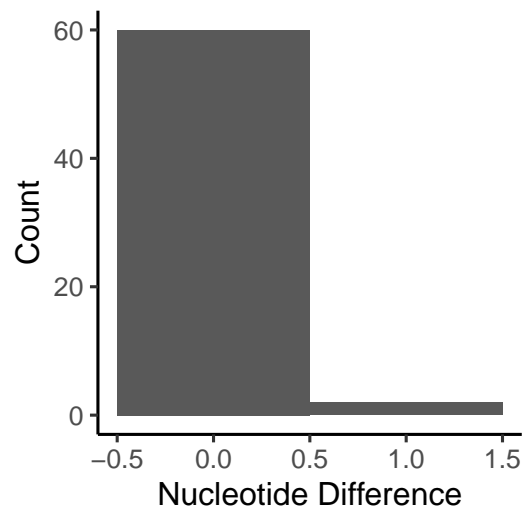
TRBV15*ap02

1331 sequences assigned
1302 (97.8%) exact matches, in which:
1280 unique CDR3
13 unique J



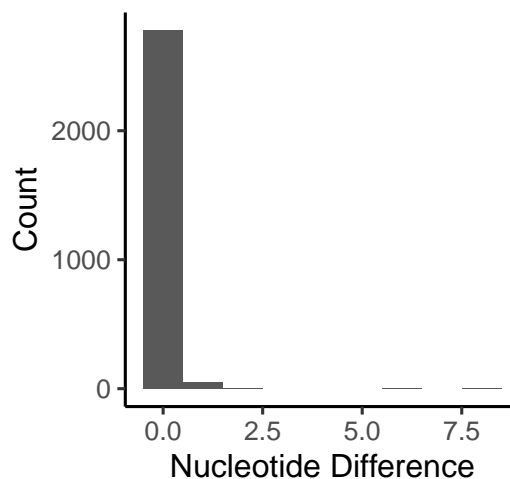
TRBV16*ap01

62 sequences assigned
60 (96.8%) exact matches, in which:
59 unique CDR3
12 unique J



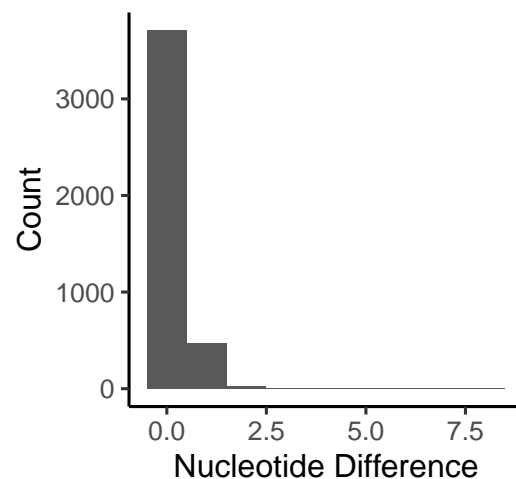
TRBV2*ap01

2831 sequences assigned
2778 (98.1%) exact matches, in which:
2742 unique CDR3
13 unique J



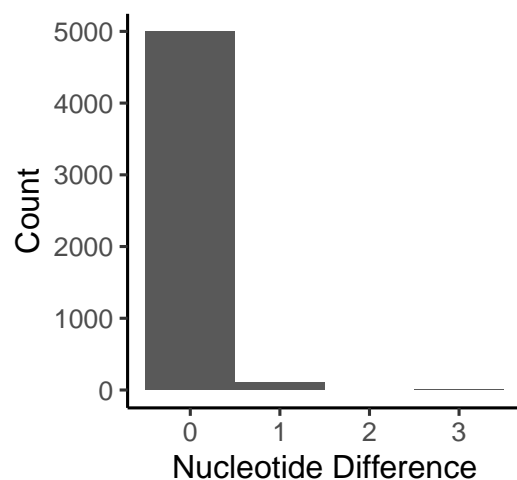
TRBV30*ap01

4206 sequences assigned
3709 (88.2%) exact matches, in which:
3531 unique CDR3
13 unique J



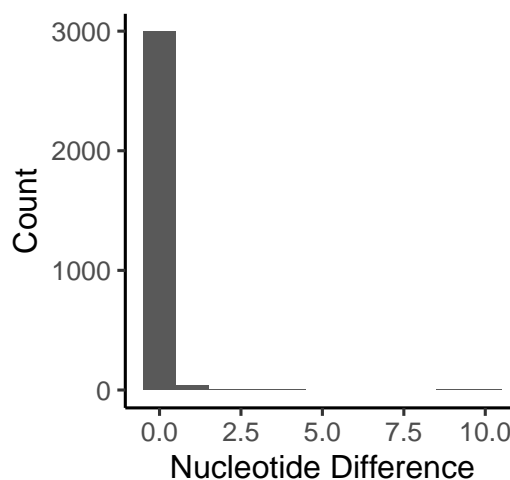
TRBV18*ap01

5102 sequences assigned
4995 (97.9%) exact matches, in which:
4885 unique CDR3
13 unique J



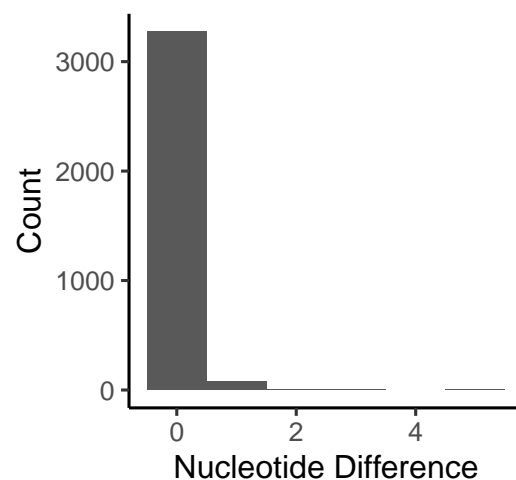
TRBV27*ap01

3038 sequences assigned
2995 (98.6%) exact matches, in which:
2953 unique CDR3
13 unique J



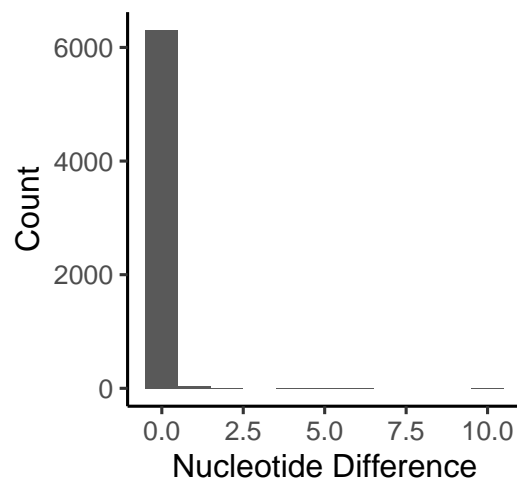
TRBV9*ap01

3357 sequences assigned
3273 (97.5%) exact matches, in which:
3228 unique CDR3
13 unique J



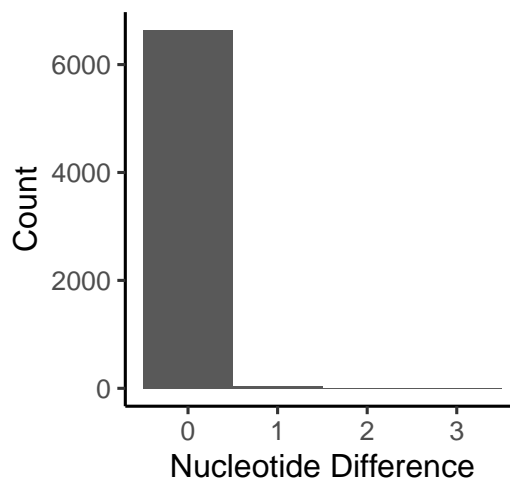
TRBV19*ap01

6357 sequences assigned
6306 (99.2%) exact matches, in which:
6225 unique CDR3
13 unique J



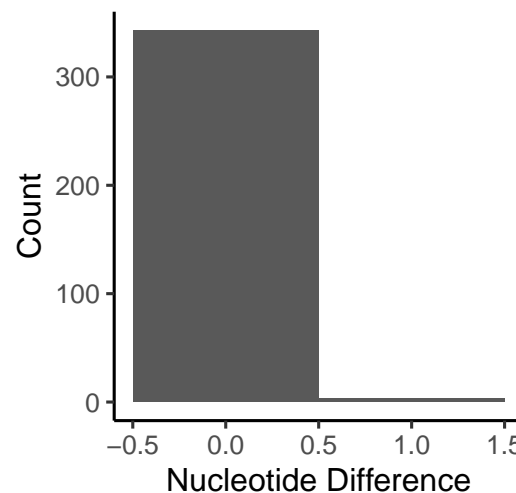
TRBV28*ap01

6689 sequences assigned
6640 (99.3%) exact matches, in which:
6566 unique CDR3
13 unique J



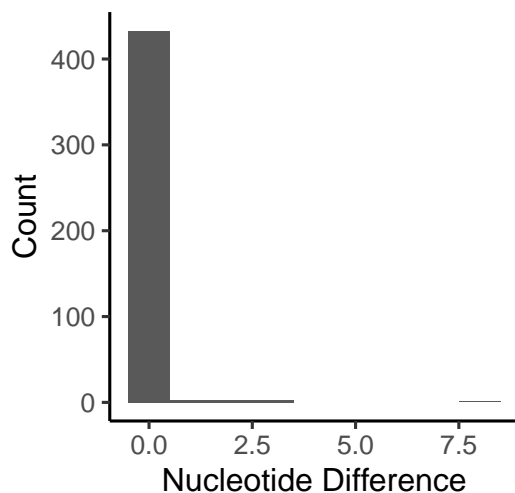
TRBV11-1*ap01

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



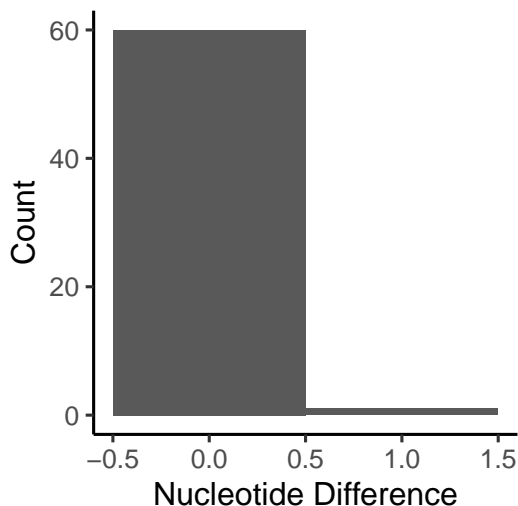
TRBV21-1*ap01

443 sequences assigned
433 (97.7%) exact matches, in which:
432 unique CDR3
13 unique J



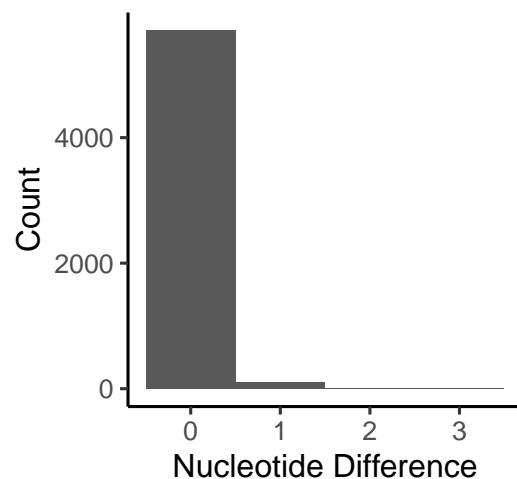
TRBV12-1*ap01

61 sequences assigned
60 (98.4%) exact matches, in which:
60 unique CDR3
12 unique J



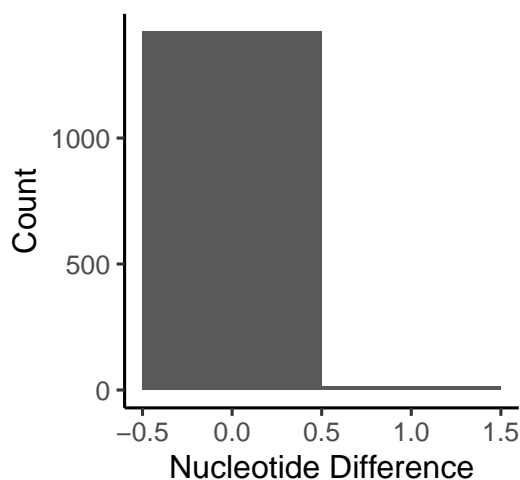
TRBV12-34*ap01

5816 sequences assigned
5709 (98.2%) exact matches, in which:
5650 unique CDR3
13 unique J



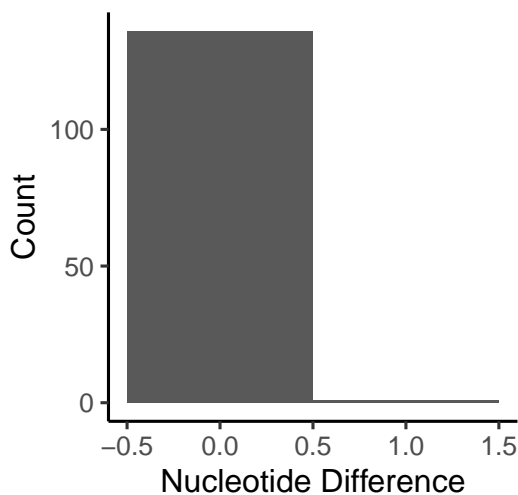
TRBV11-2*ap01

1437 sequences assigned
1422 (99%) exact matches, in which:
1405 unique CDR3
13 unique J



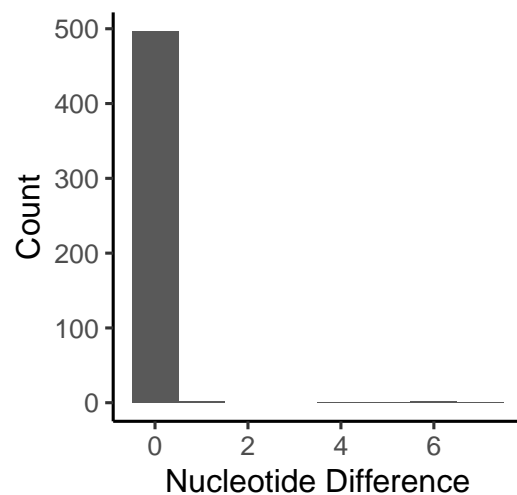
TRBV12-2*ap01

137 sequences assigned
136 (99.3%) exact matches, in which:
136 unique CDR3
13 unique J



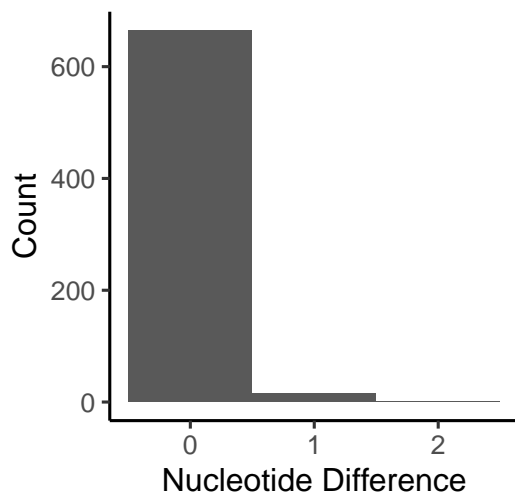
TRBV23-1*ap01

504 sequences assigned
497 (98.6%) exact matches, in which:
492 unique CDR3
13 unique J



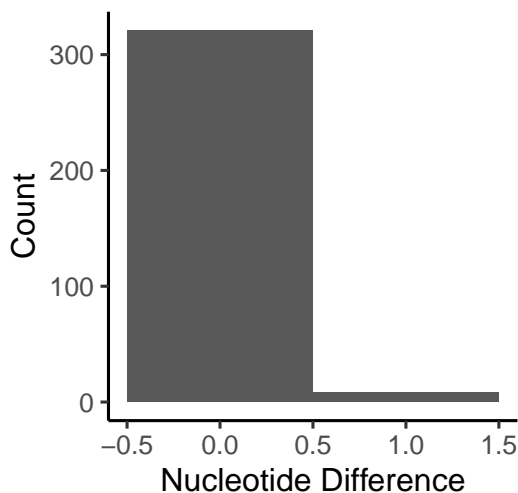
TRBV11-3*ap01

682 sequences assigned
665 (97.5%) exact matches, in which:
659 unique CDR3
13 unique J



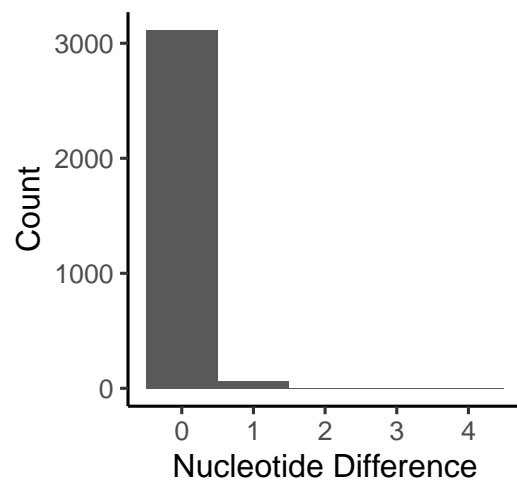
TRBV12-5*ap01

329 sequences assigned
321 (97.6%) exact matches, in which:
313 unique CDR3
12 unique J



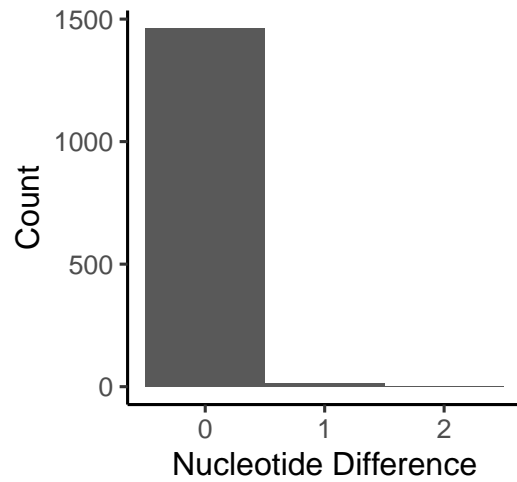
TRBV3-12*ap01

3184 sequences assigned
3115 (97.8%) exact matches, in which:
3094 unique CDR3
13 unique J



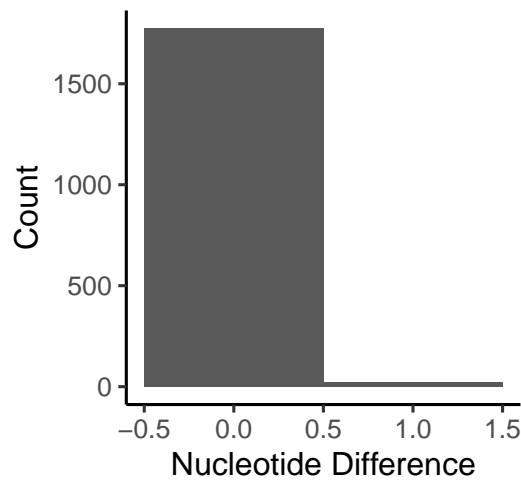
TRBV4-1*ap01

1476 sequences assigned
1462 (99.1%) exact matches, in which:
1436 unique CDR3
13 unique J



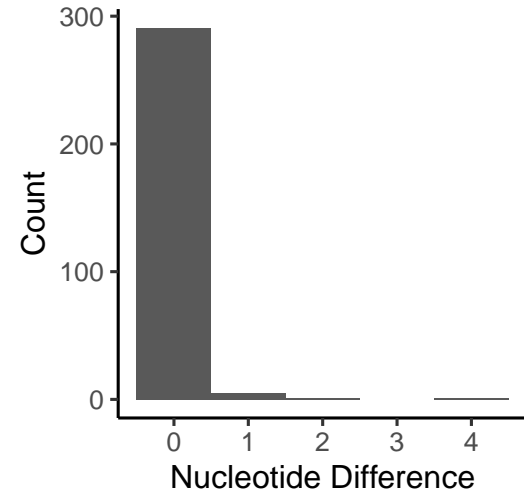
TRBV4-3*ap01

1798 sequences assigned
1774 (98.7%) exact matches, in which:
1733 unique CDR3
13 unique J



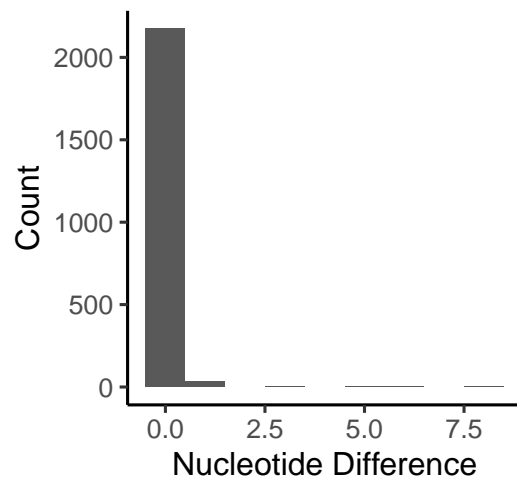
TRBV5-3*ap01

298 sequences assigned
291 (97.7%) exact matches, in which:
284 unique CDR3
13 unique J



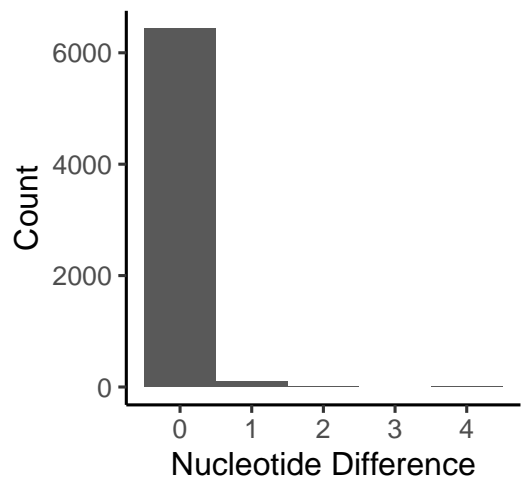
TRBV24-1*ap01

2215 sequences assigned
2174 (98.1%) exact matches, in which:
2141 unique CDR3
13 unique J



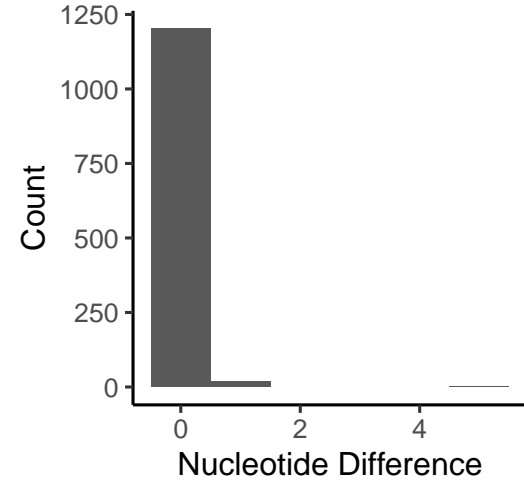
TRBV5-1*ap01

6535 sequences assigned
6432 (98.4%) exact matches, in which:
6314 unique CDR3
13 unique J



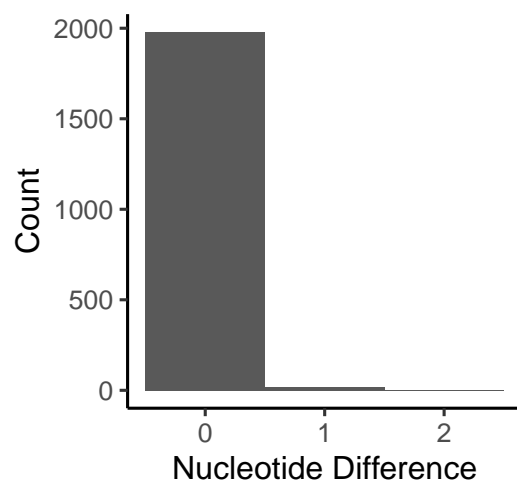
TRBV5-4*ap01

1221 sequences assigned
1202 (98.4%) exact matches, in which:
1192 unique CDR3
13 unique J



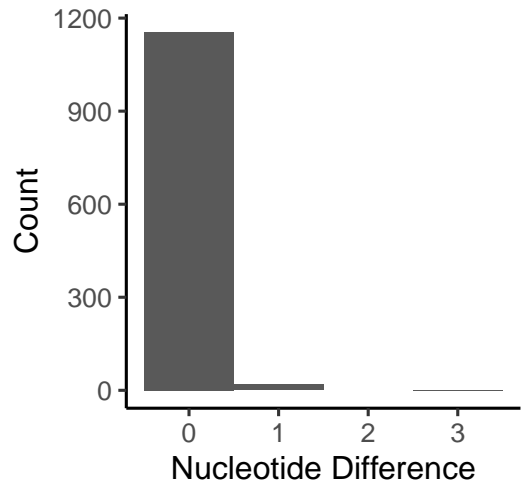
TRBV4-2*ap01

2000 sequences assigned
1979 (99%) exact matches, in which:
1952 unique CDR3
13 unique J



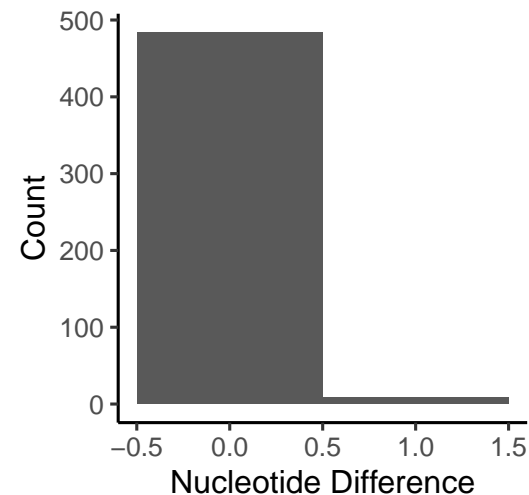
TRBV25-1*ap01

1175 sequences assigned
1155 (98.3%) exact matches, in which:
1137 unique CDR3
13 unique J



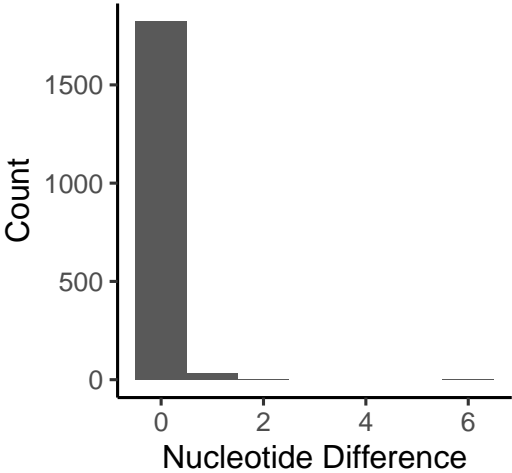
TRBV5-5*ap01

493 sequences assigned
484 (98.2%) exact matches, in which:
481 unique CDR3
13 unique J



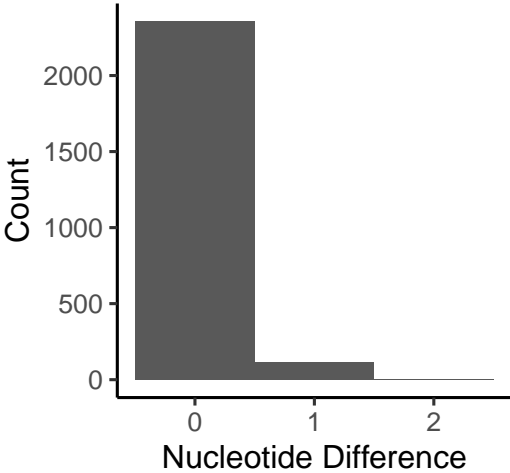
TRBV5-6*ap01

1859 sequences assigned
1823 (98.1%) exact matches, in which:
1760 unique CDR3
13 unique J



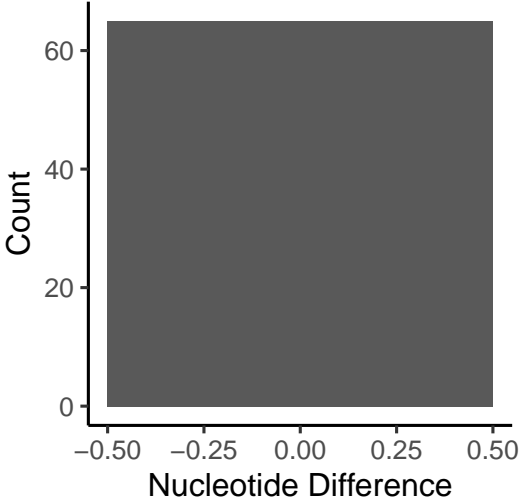
TRBV6-1*ap01

2472 sequences assigned
2356 (95.3%) exact matches, in which:
2313 unique CDR3
13 unique J



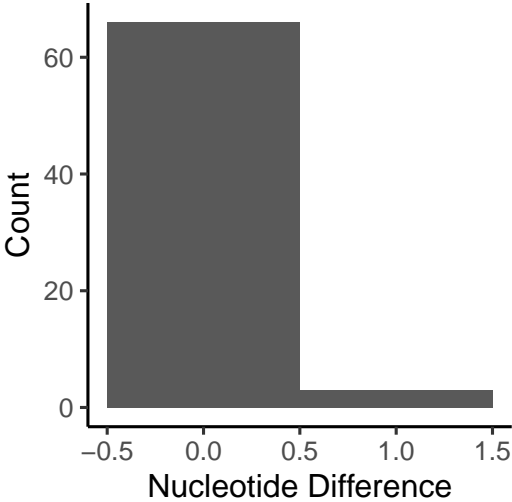
TRBV6-8*ap01

65 sequences assigned
65 (100%) exact matches, in which:
63 unique CDR3
12 unique J



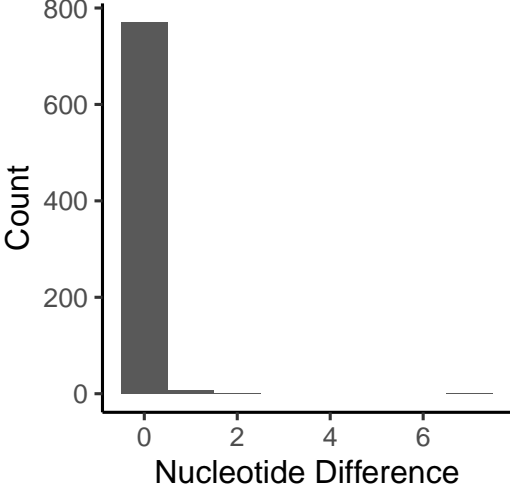
TRBV5-7*ap01

69 sequences assigned
66 (95.7%) exact matches, in which:
64 unique CDR3
12 unique J



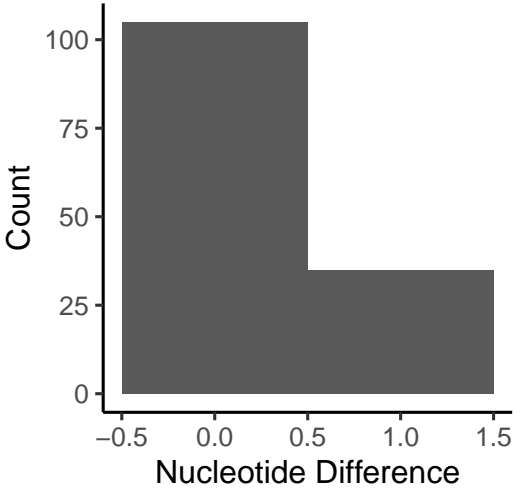
TRBV6-4*ap01

780 sequences assigned
771 (98.8%) exact matches, in which:
761 unique CDR3
13 unique J



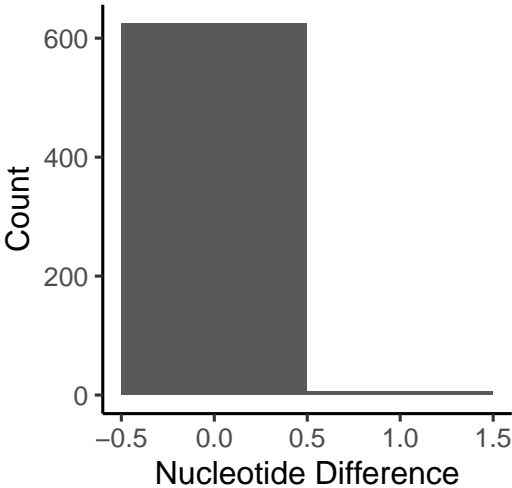
TRBV6-9*ap01

140 sequences assigned
105 (75%) exact matches, in which:
104 unique CDR3
11 unique J



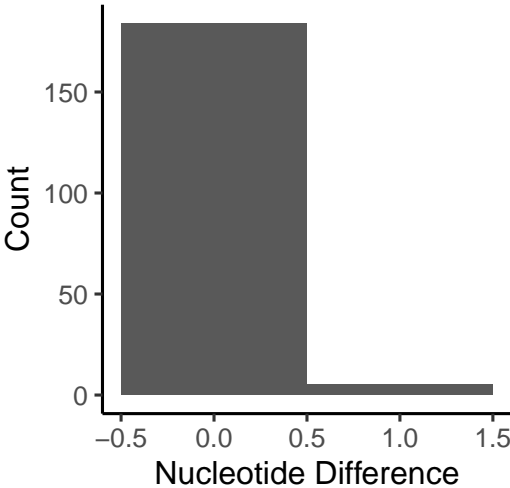
TRBV5-8*ap01

631 sequences assigned
625 (99%) exact matches, in which:
622 unique CDR3
13 unique J



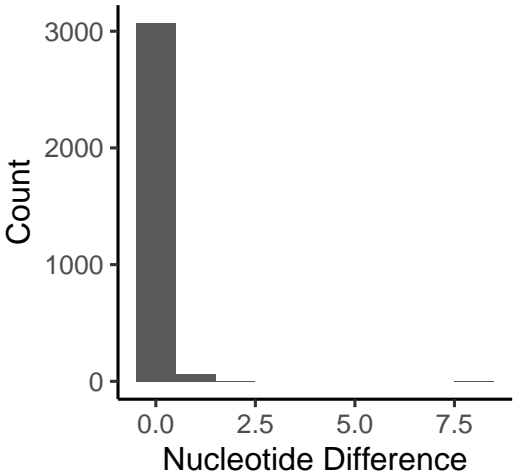
TRBV6-7*ap01

189 sequences assigned
184 (97.4%) exact matches, in which:
183 unique CDR3
13 unique J



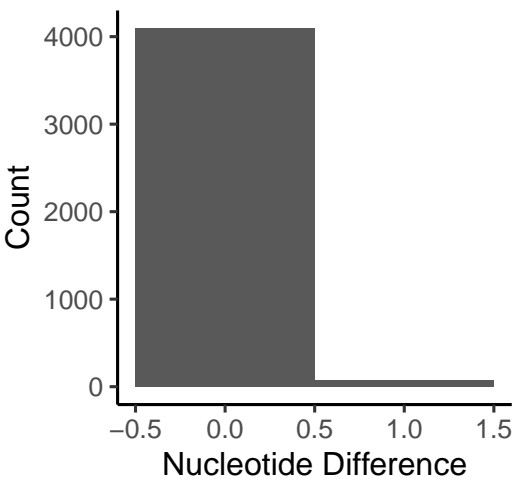
TRBV6-23*ap01

3135 sequences assigned
3070 (97.9%) exact matches, in which:
3006 unique CDR3
13 unique J



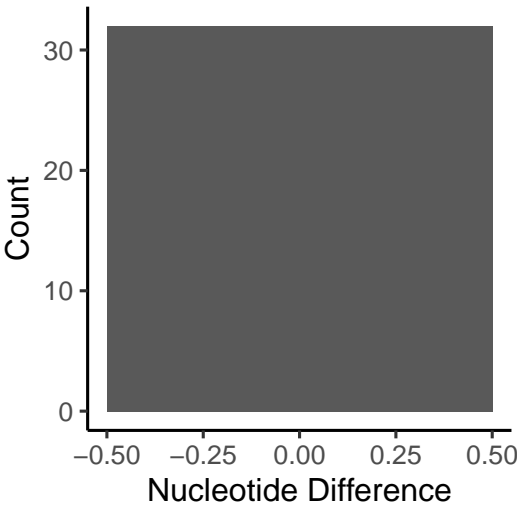
TRBV6-56*ap01

4167 sequences assigned
4094 (98.2%) exact matches, in which:
4030 unique CDR3
13 unique J



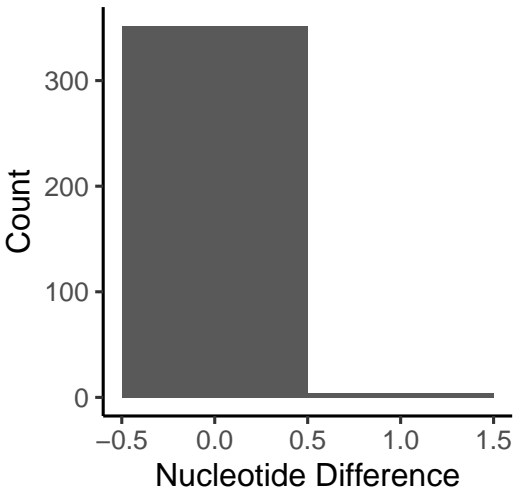
TRBV7-1*ap01_G291C_T

32 sequences assigned
32 (100%) exact matches, in which:
32 unique CDR3
12 unique J



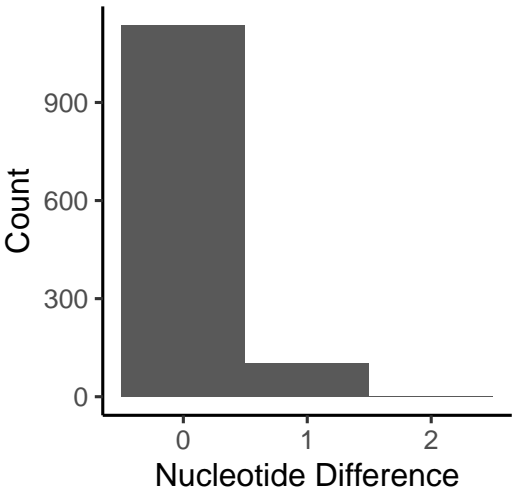
TRBV7-3*ap03

356 sequences assigned
352 (98.9%) exact matches, in which:
349 unique CDR3
13 unique J



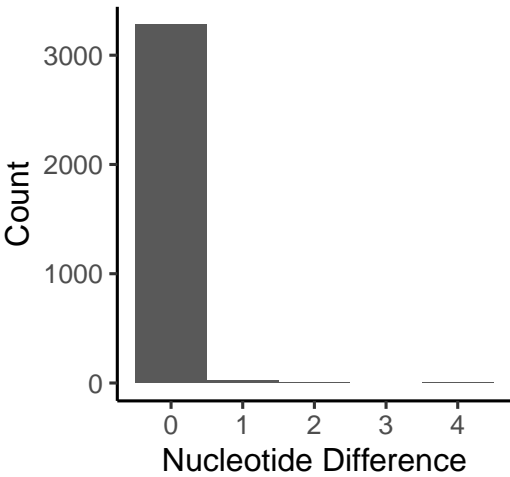
TRBV6-56*ap02

1242 sequences assigned
1137 (91.5%) exact matches, in which:
1121 unique CDR3
13 unique J



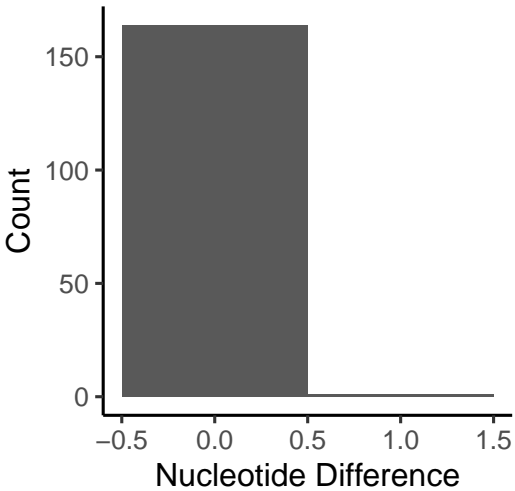
TRBV7-2*ap01

3304 sequences assigned
3279 (99.2%) exact matches, in which:
3248 unique CDR3
13 unique J



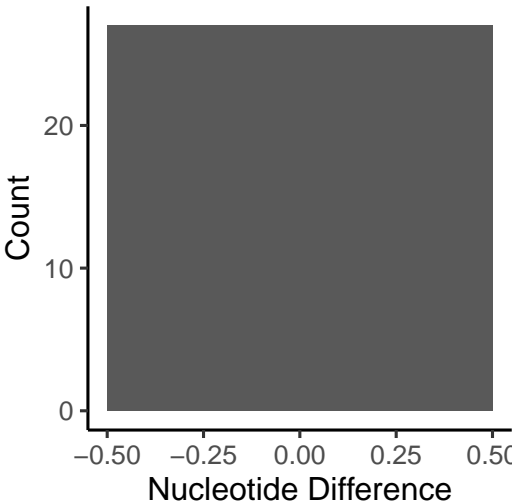
TRBV7-4*ap01

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



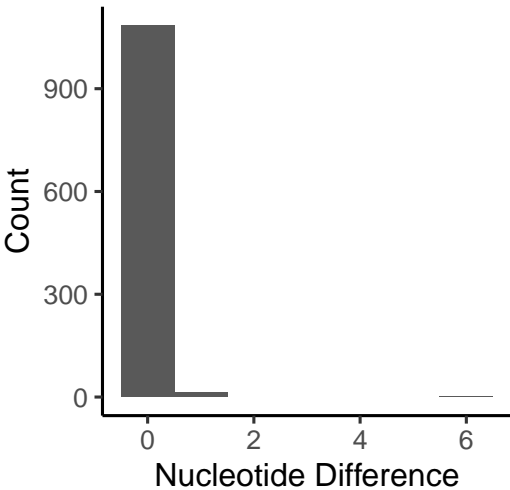
TRBV7-1*ap01_G291C_T

27 sequences assigned
27 (100%) exact matches, in which:
27 unique CDR3
10 unique J



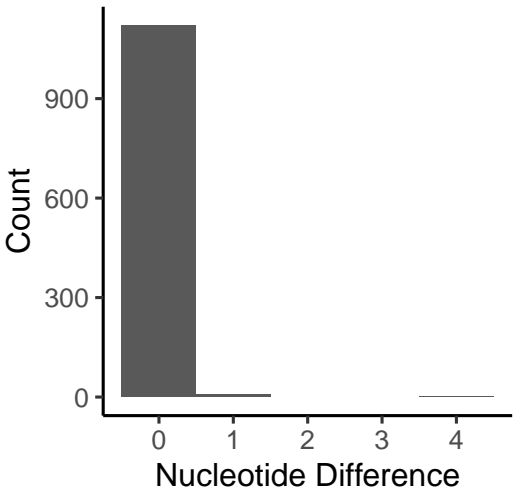
TRBV7-3*ap01

1100 sequences assigned
1085 (98.6%) exact matches, in which:
1071 unique CDR3
13 unique J



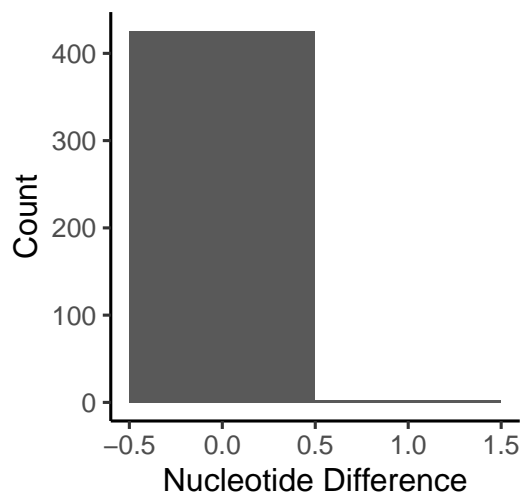
TRBV7-6*ap01

1130 sequences assigned
1121 (99.2%) exact matches, in which:
1101 unique CDR3
13 unique J



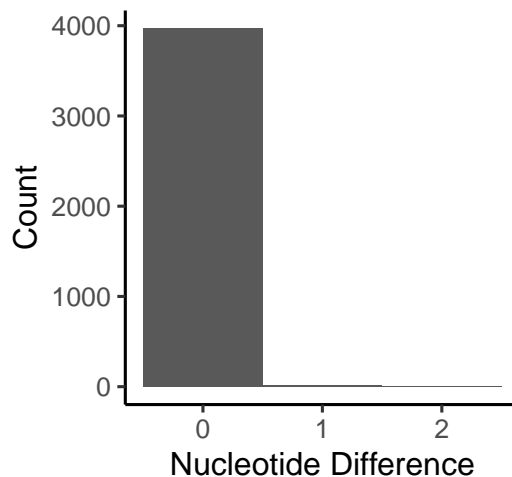
TRBV7-7*ap01

429 sequences assigned
426 (99.3%) exact matches, in which:
418 unique CDR3
13 unique J



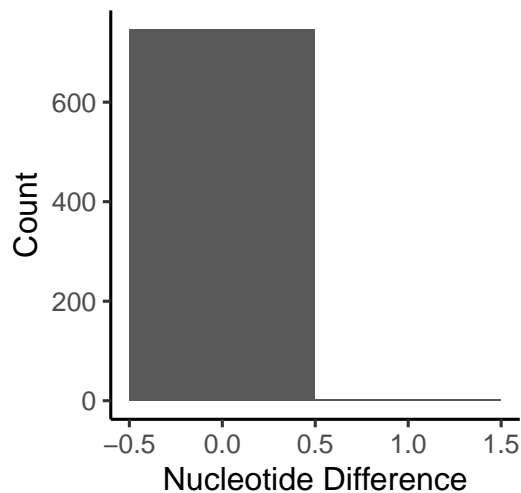
TRBV7-9*ap01

3992 sequences assigned
3970 (99.4%) exact matches, in which:
3918 unique CDR3
13 unique J



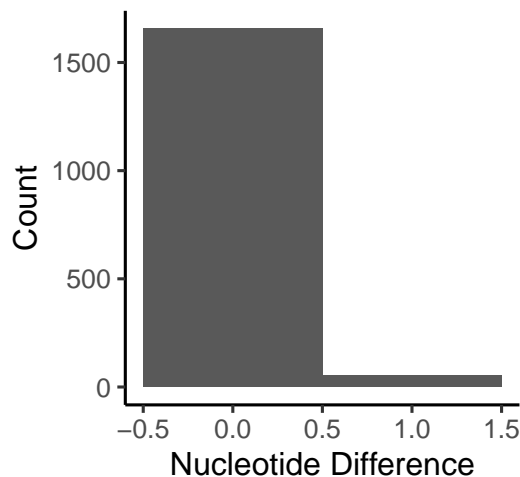
TRBV7-8*ap01

751 sequences assigned
747 (99.5%) exact matches, in which:
741 unique CDR3
13 unique J



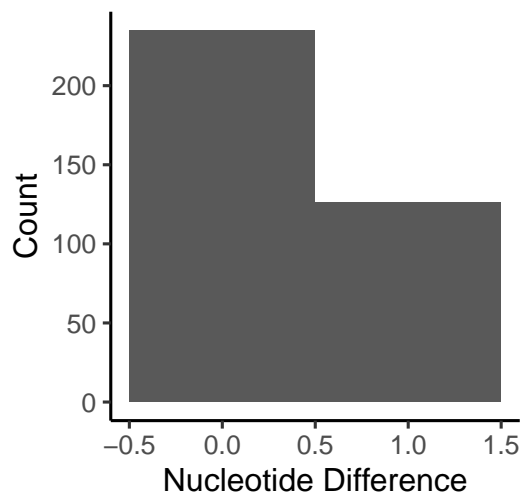
TRBV29-1*ap01

1707 sequences assigned
1656 (97%) exact matches, in which:
1589 unique CDR3
13 unique J



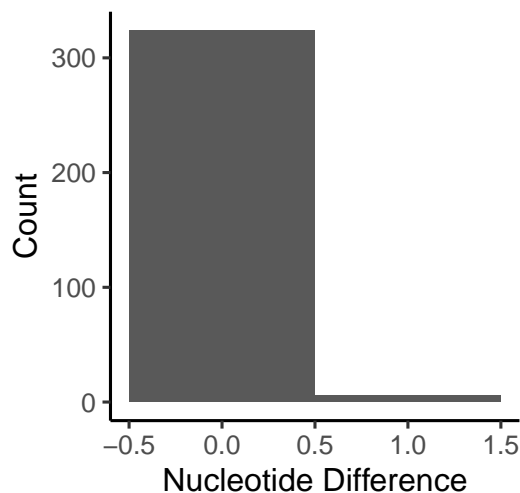
TRBV7-8*ap03

361 sequences assigned
235 (65.1%) exact matches, in which:
235 unique CDR3
13 unique J

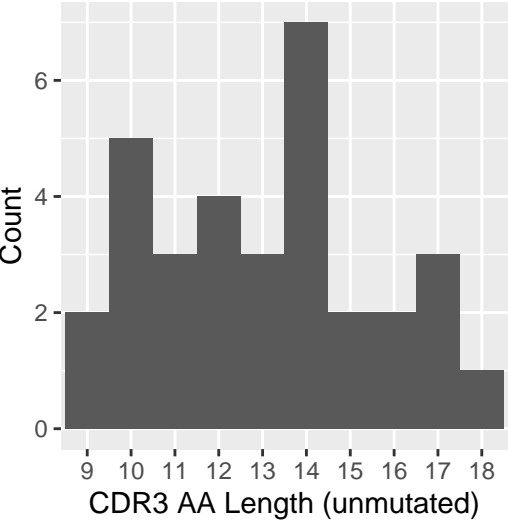


TRBV29-1*ap02

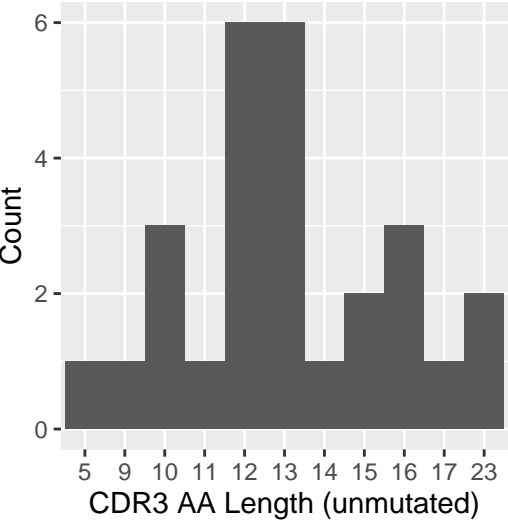
330 sequences assigned
324 (98.2%) exact matches, in which:
303 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C





[illegible]