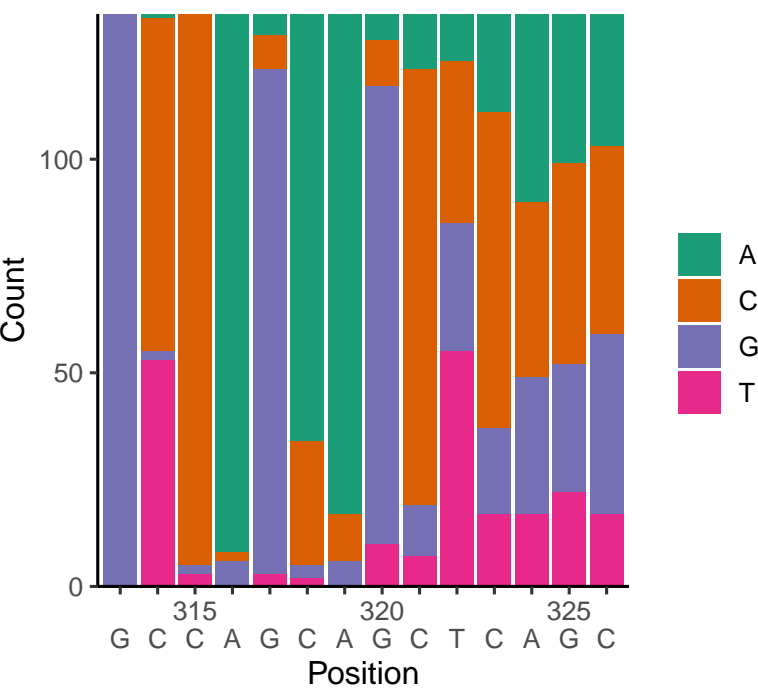
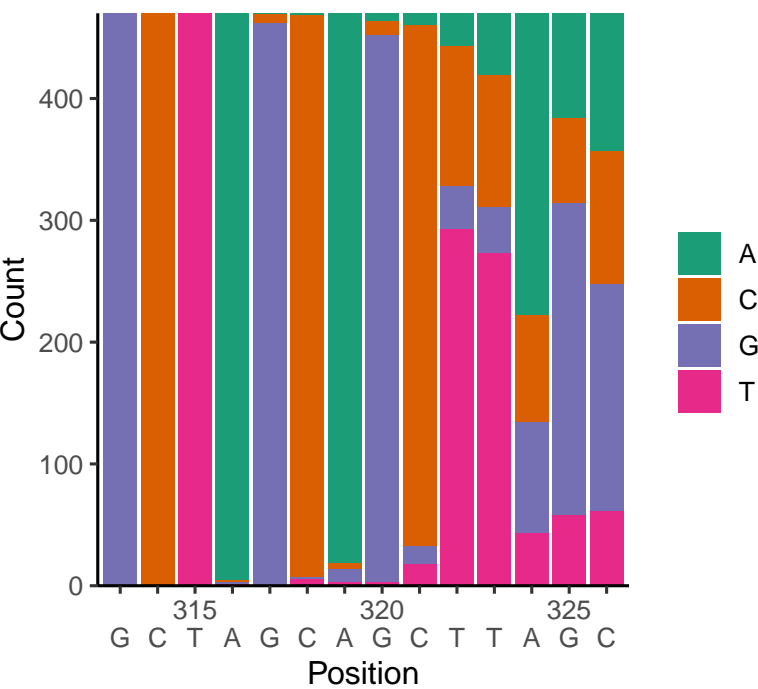


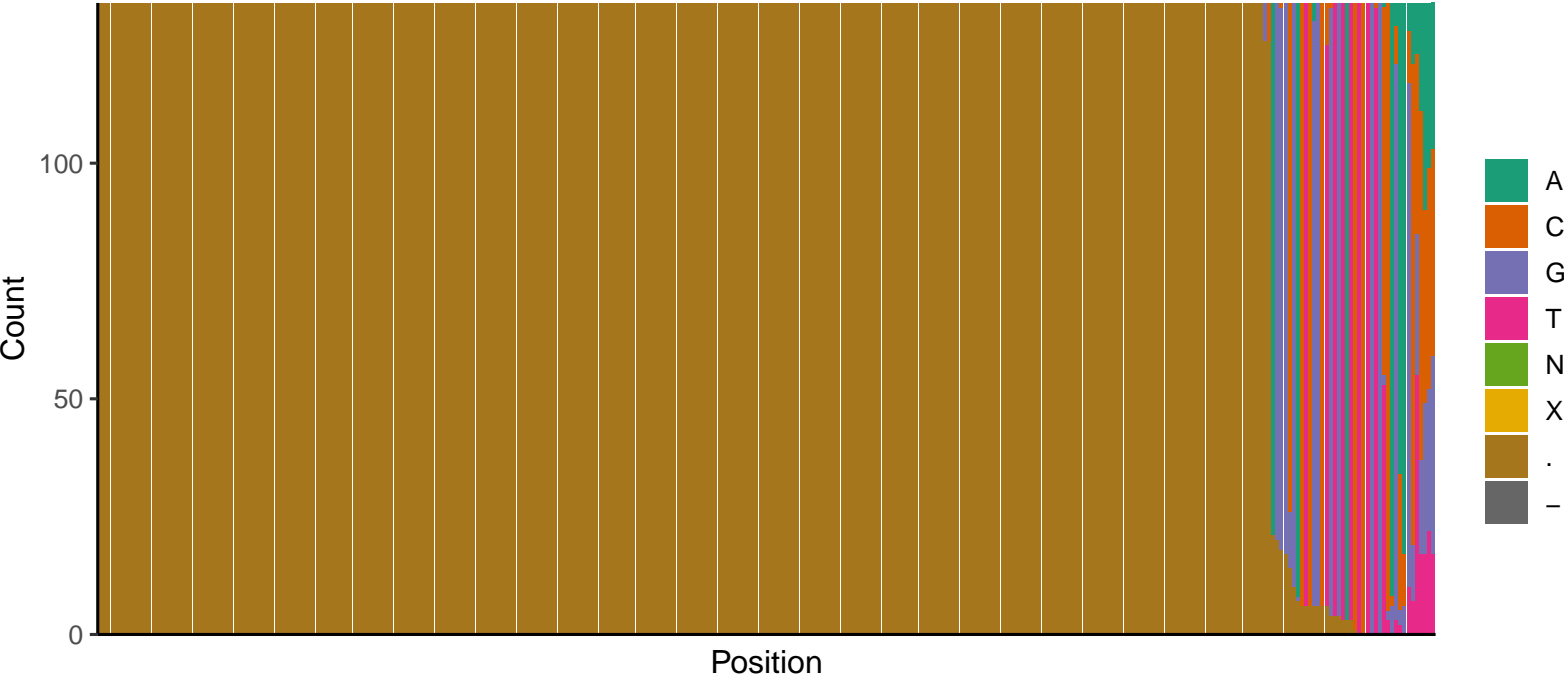
Gene TRBV7-1*ap01_T296C



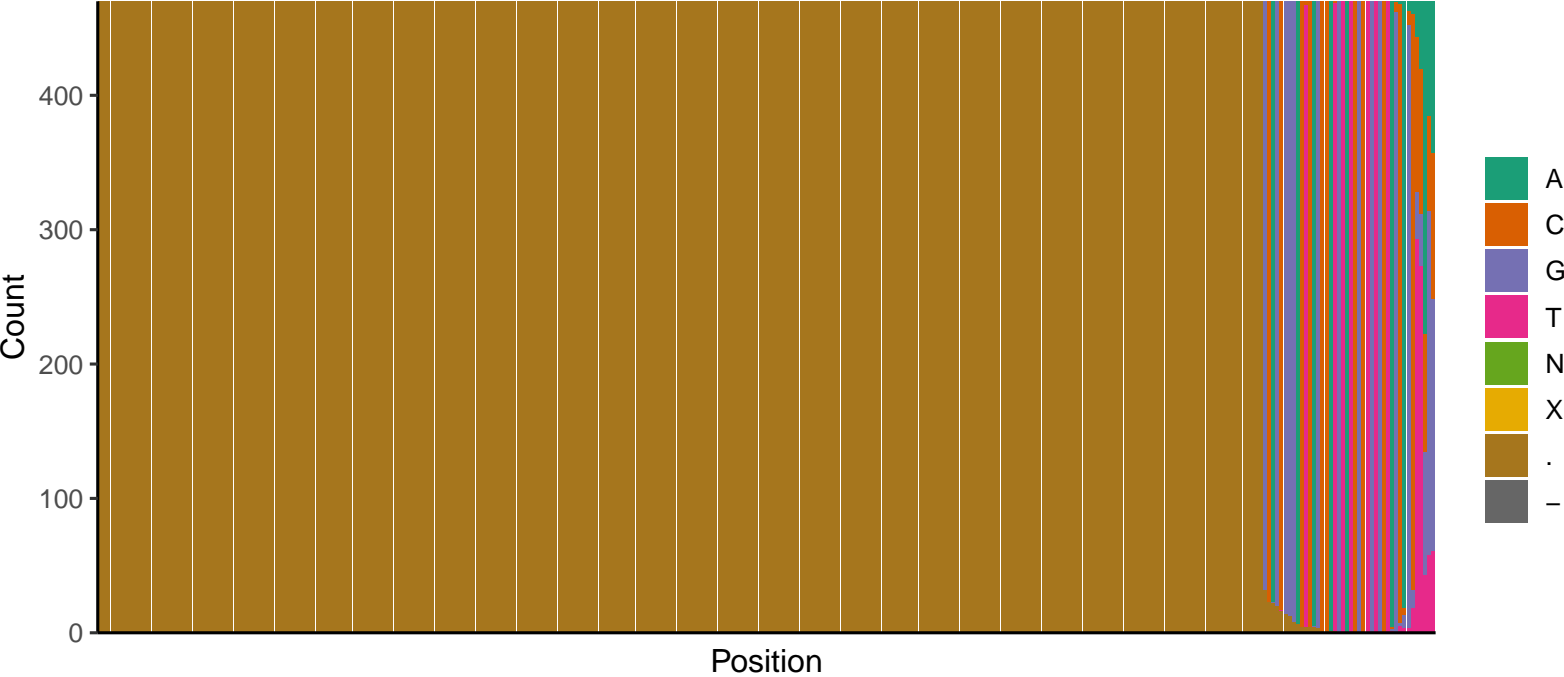
Gene TRBV7-7*ap01_C315T



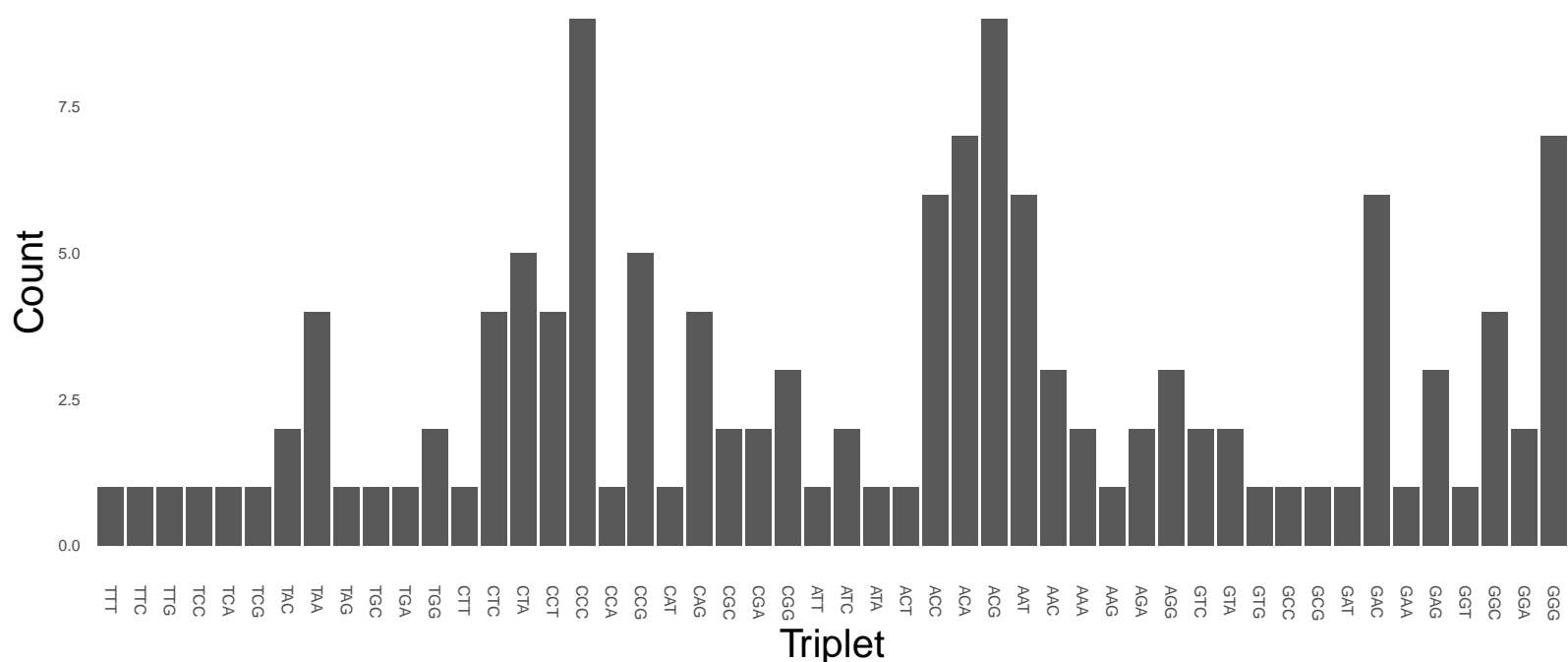
Gene TRBV7-1*ap01_T296C



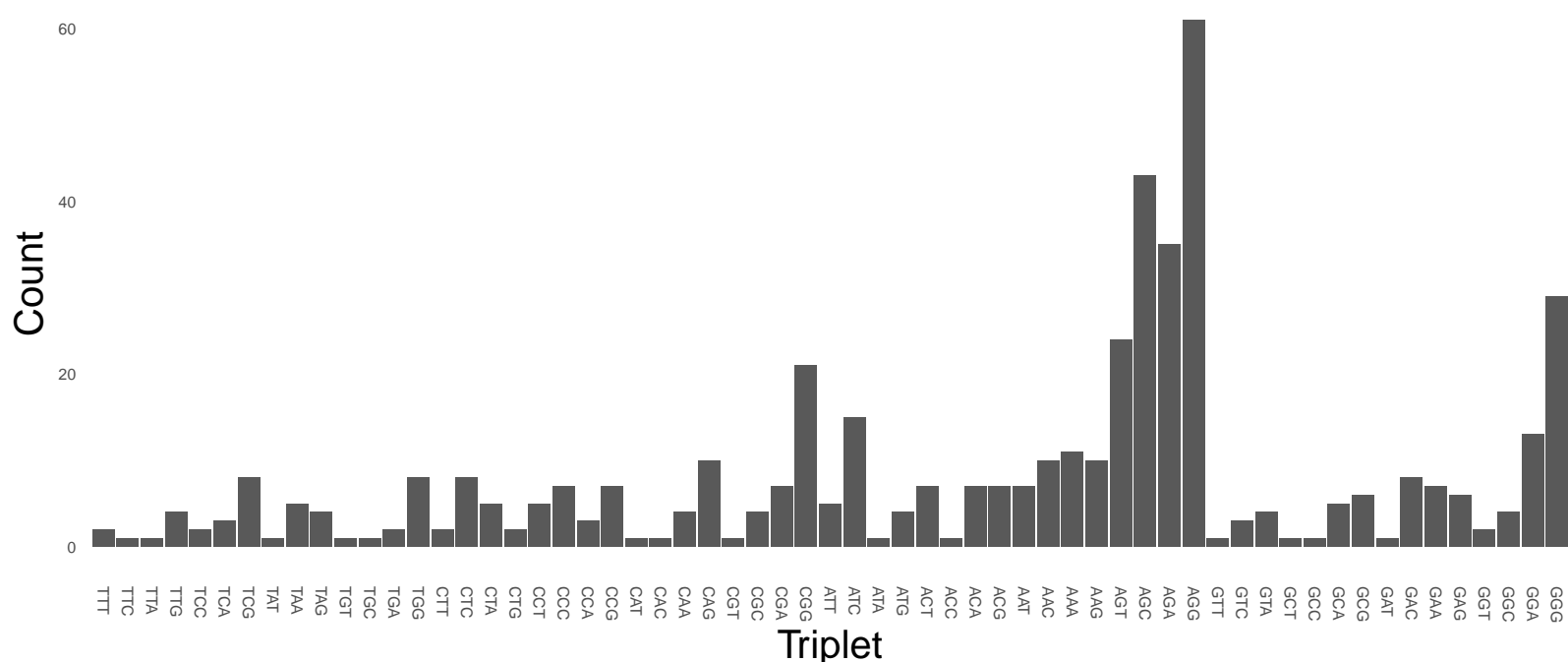
Gene TRBV7-7*ap01_C315T



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

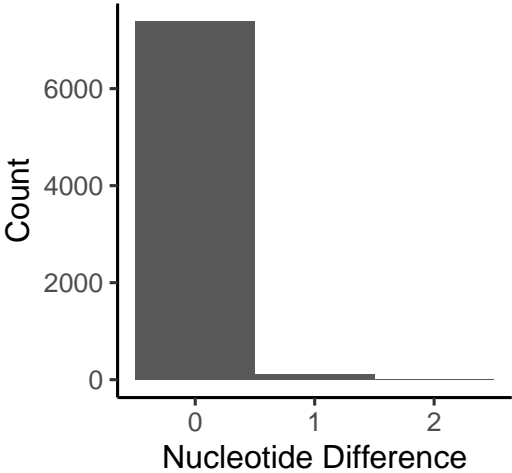


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



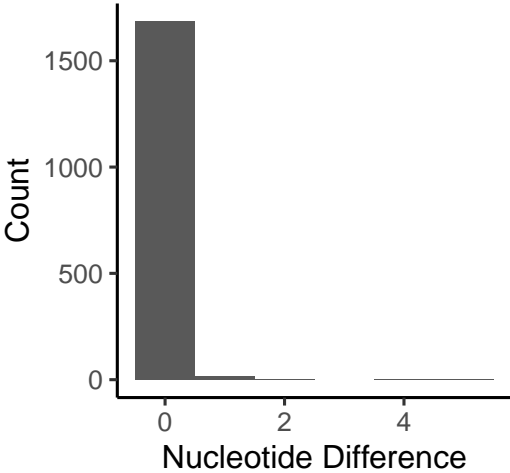
TRBV20-1*ap01

7491 sequences assigned
7386 (98.6%) exact matches, in which:
7260 unique CDR3
13 unique J



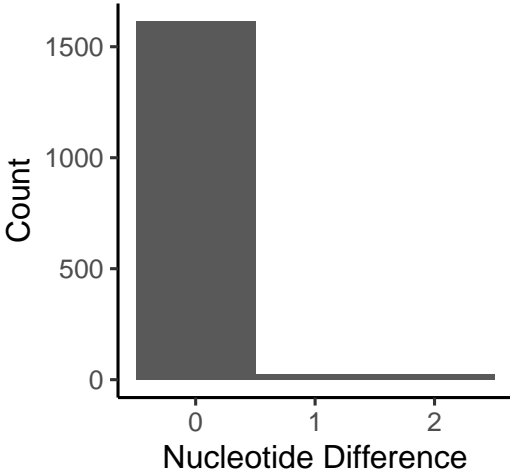
TRBV10-2*ap01

1706 sequences assigned
1685 (98.8%) exact matches, in which:
1654 unique CDR3
13 unique J



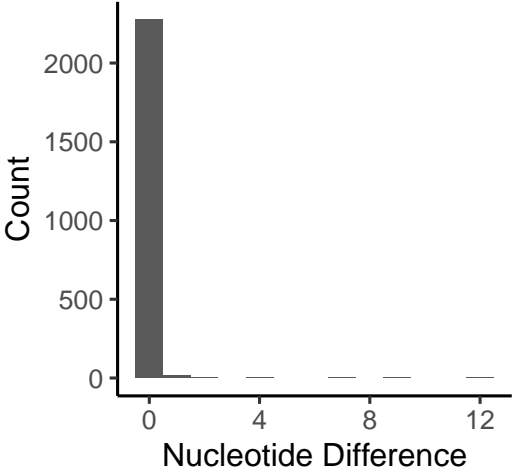
TRBV13*ap01

1664 sequences assigned
1614 (97%) exact matches, in which:
1555 unique CDR3
13 unique J



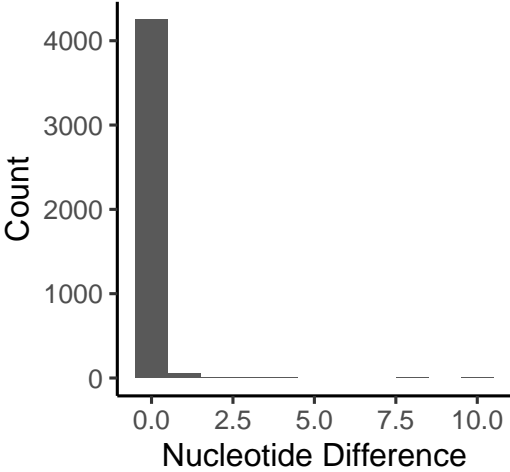
TRBV10-1*ap01

2298 sequences assigned
2275 (99%) exact matches, in which:
2214 unique CDR3
13 unique J



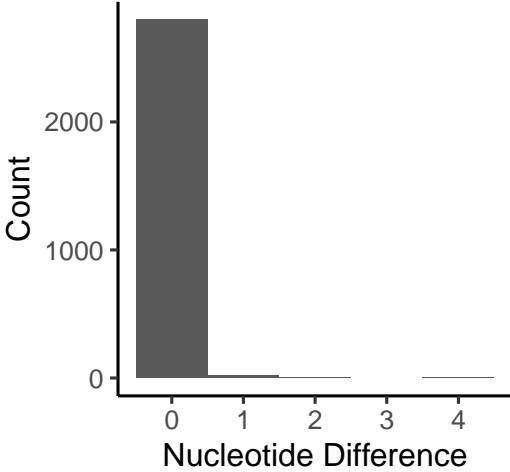
TRBV10-3*ap01

4311 sequences assigned
4249 (98.6%) exact matches, in which:
4145 unique CDR3
13 unique J



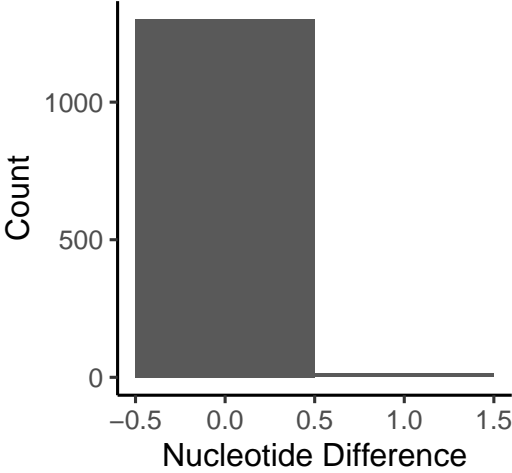
TRBV14*ap01

2823 sequences assigned
2798 (99.1%) exact matches, in which:
2750 unique CDR3
13 unique J



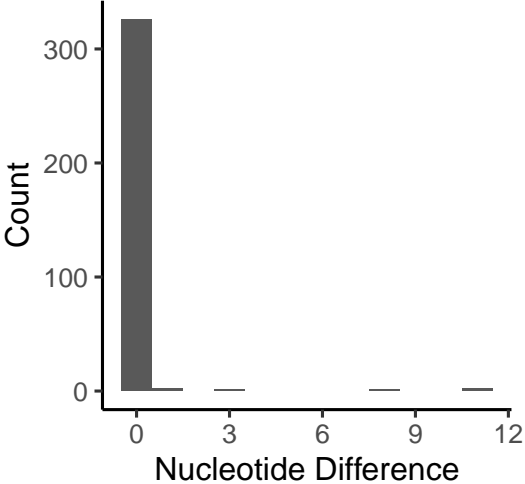
TRBV20-1*ap02

1316 sequences assigned
1302 (98.9%) exact matches, in which:
1284 unique CDR3
13 unique J



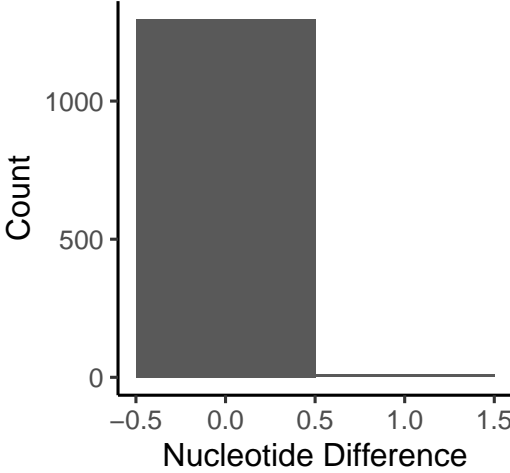
TRBV1*ap01

332 sequences assigned
326 (98.2%) exact matches, in which:
317 unique CDR3
13 unique J



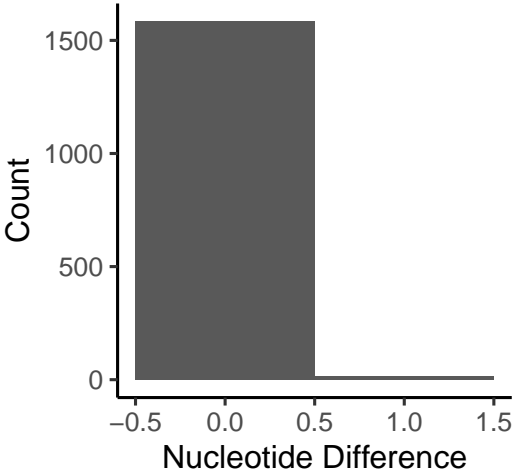
TRBV15*ap01

1307 sequences assigned
1297 (99.2%) exact matches, in which:
1267 unique CDR3
13 unique J



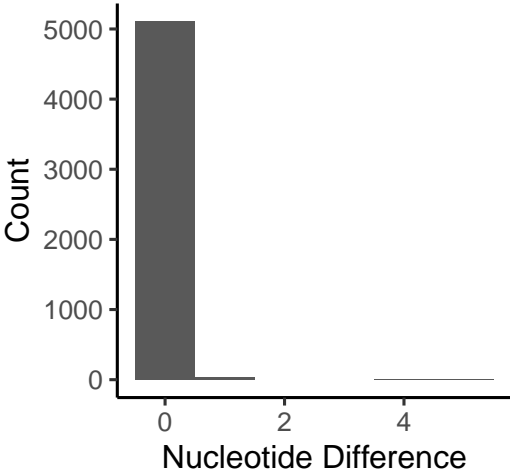
TRBV15*ap02

1598 sequences assigned
1584 (99.1%) exact matches, in which:
1550 unique CDR3
13 unique J



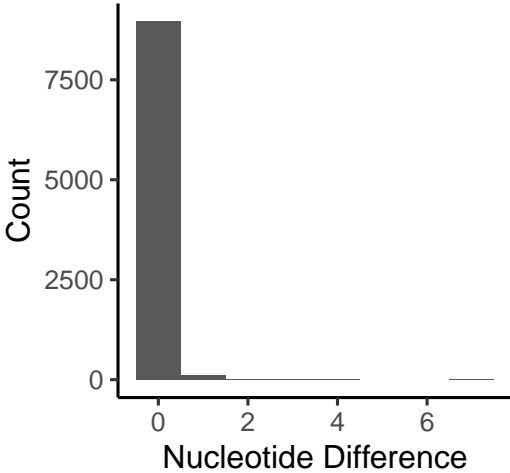
TRBV18*ap01

5142 sequences assigned
5108 (99.3%) exact matches, in which:
5060 unique CDR3
13 unique J



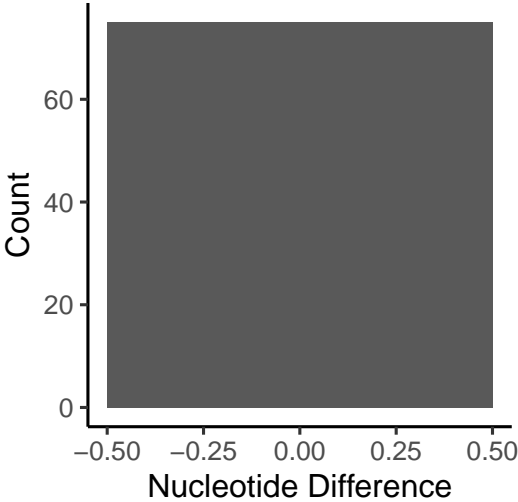
TRBV27*ap01

9082 sequences assigned
8961 (98.7%) exact matches, in which:
8749 unique CDR3
13 unique J



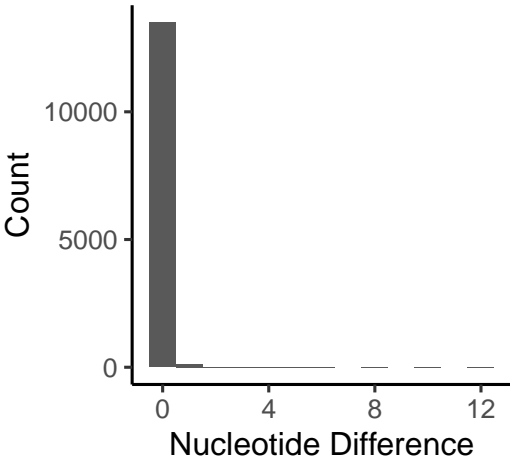
TRBV16*ap01

75 sequences assigned
75 (100%) exact matches, in which:
75 unique CDR3
13 unique J



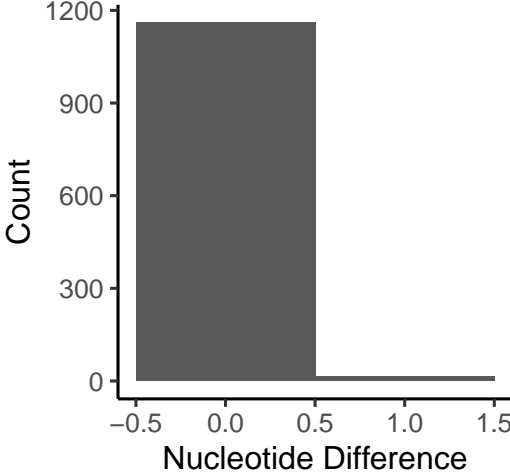
TRBV19*ap01

13635 sequences assigned
13497 (99%) exact matches, in which:
13376 unique CDR3
13 unique J



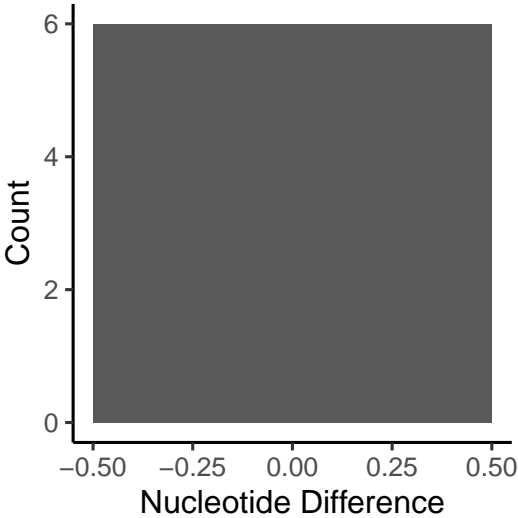
TRBV28*ap01

1174 sequences assigned
1160 (98.8%) exact matches, in which:
1138 unique CDR3
13 unique J



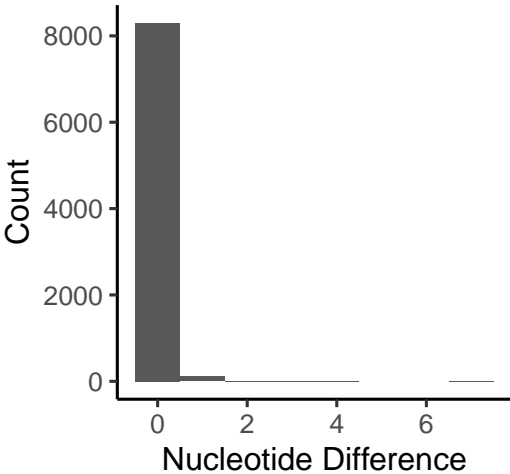
TRBV17*ap01

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
5 unique J



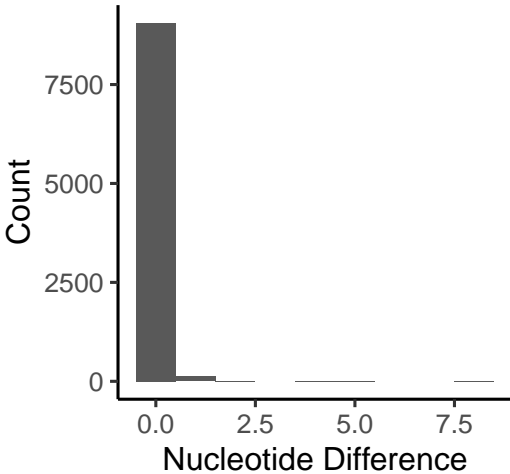
TRBV2*ap01

8415 sequences assigned
8297 (98.6%) exact matches, in which:
8115 unique CDR3
13 unique J



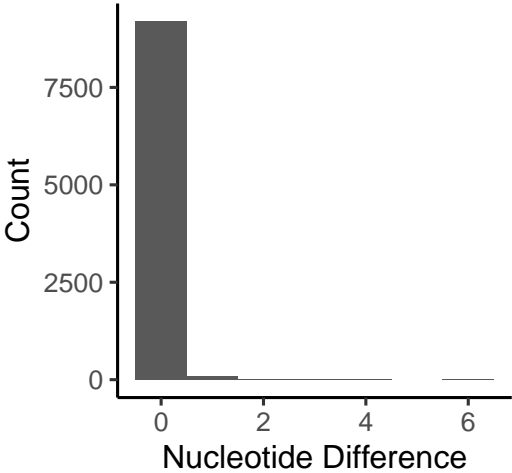
TRBV30*ap01

9194 sequences assigned
9054 (98.5%) exact matches, in which:
8894 unique CDR3
13 unique J



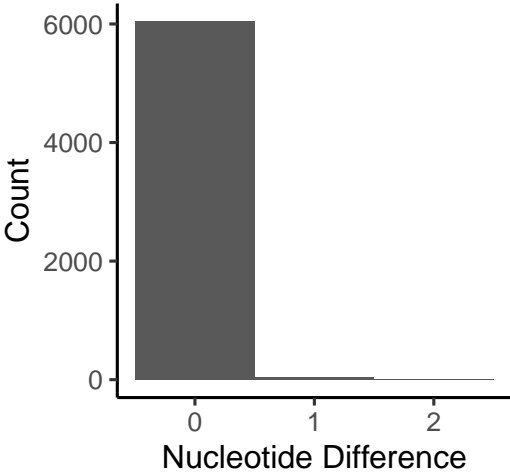
TRBV9*ap01

9290 sequences assigned
9194 (99%) exact matches, in which:
9050 unique CDR3
13 unique J



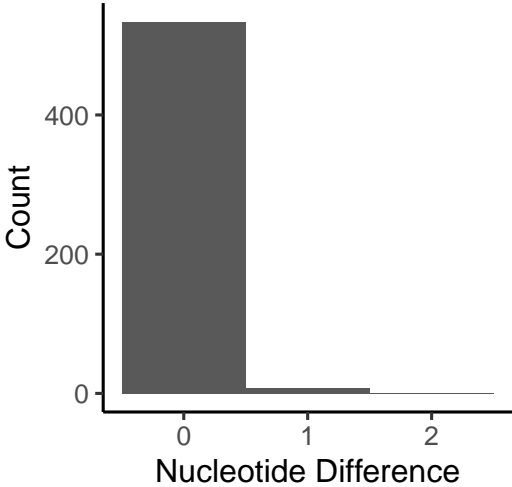
TRBV11-2*ap01

6091 sequences assigned
6043 (99.2%) exact matches, in which:
5967 unique CDR3
13 unique J



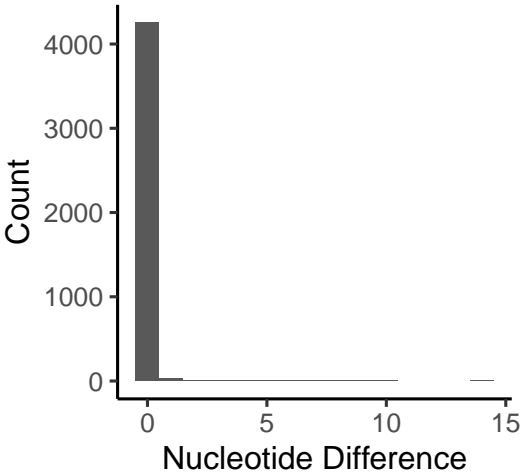
TRBV12-2*ap01

543 sequences assigned
534 (98.3%) exact matches, in which:
531 unique CDR3
13 unique J



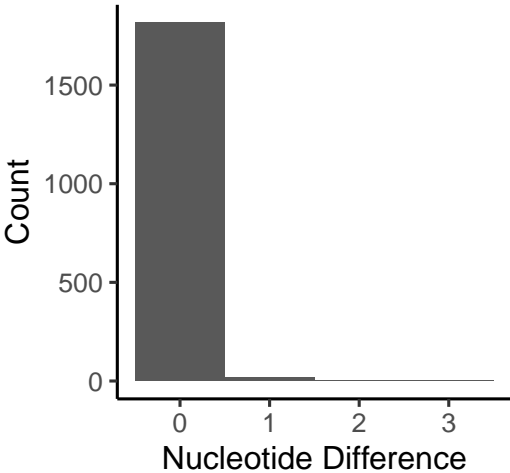
TRBV21-1*ap01

4307 sequences assigned
4253 (98.7%) exact matches, in which:
4205 unique CDR3
13 unique J



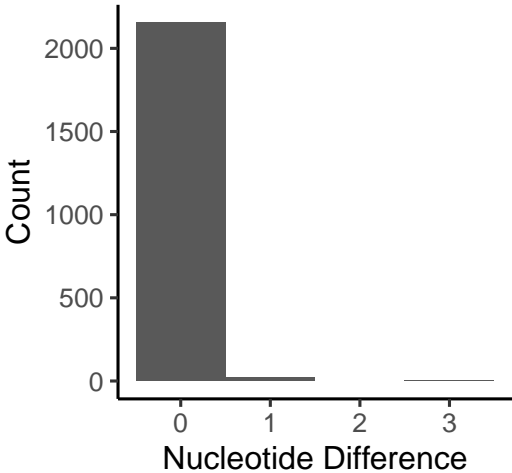
TRBV11-3*ap01

1837 sequences assigned
1816 (98.9%) exact matches, in which:
1794 unique CDR3
13 unique J



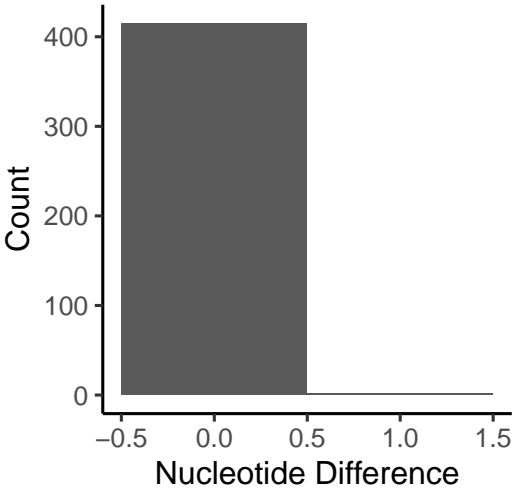
TRBV12-5*ap01

2177 sequences assigned
2154 (98.9%) exact matches, in which:
2111 unique CDR3
13 unique J



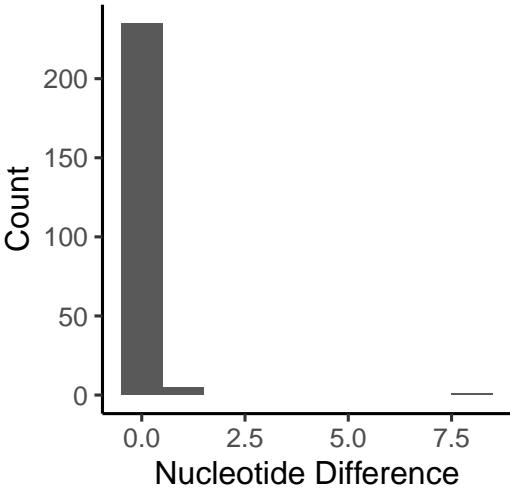
TRBV11-1*ap01

417 sequences assigned
415 (99.5%) exact matches, in which:
411 unique CDR3
13 unique J



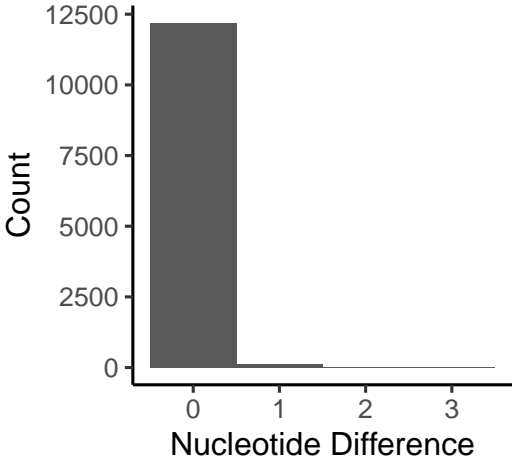
TRBV12-1*ap01

241 sequences assigned
235 (97.5%) exact matches, in which:
231 unique CDR3
13 unique J



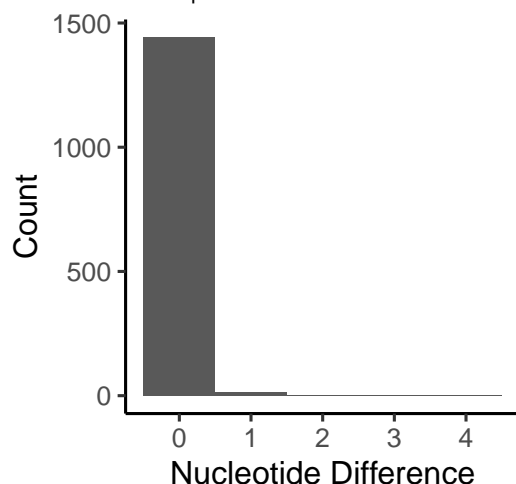
TRBV12-34*ap01

12339 sequences assigned
12196 (98.8%) exact matches, in which:
11961 unique CDR3
13 unique J



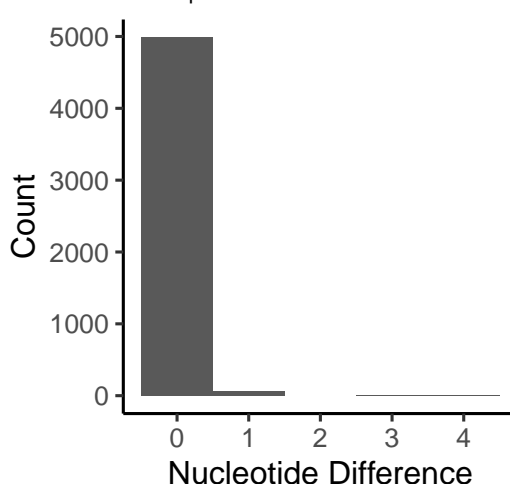
TRBV23-1*ap01

1462 sequences assigned
1442 (98.6%) exact matches, in which:
1417 unique CDR3
13 unique J



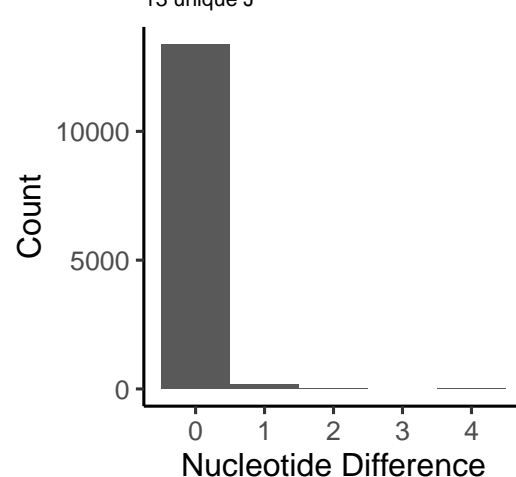
TRBV4-1*ap01

5059 sequences assigned
4987 (98.6%) exact matches, in which:
4866 unique CDR3
13 unique J



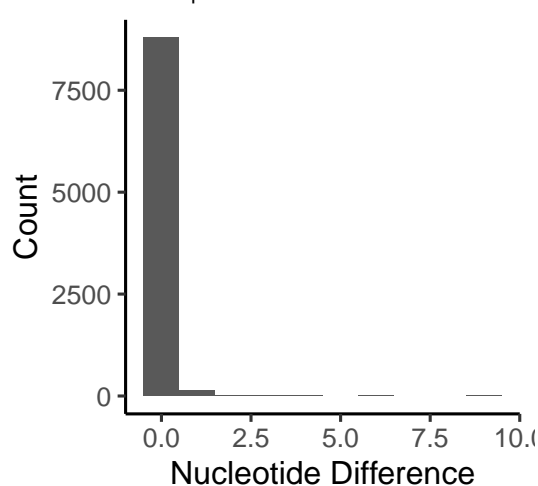
TRBV5-1*ap01

13583 sequences assigned
13386 (98.5%) exact matches, in which:
13032 unique CDR3
13 unique J



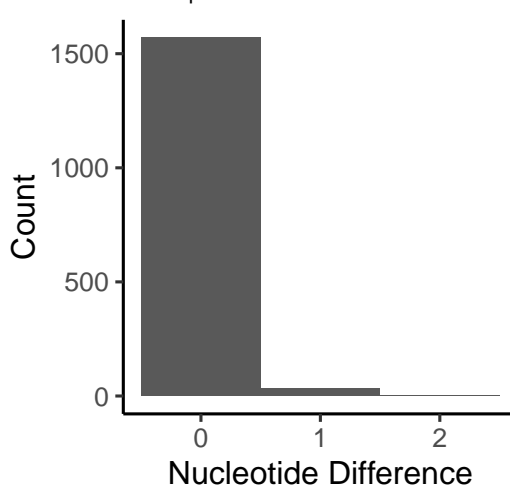
TRBV3-12*ap01

8923 sequences assigned
8789 (98.5%) exact matches, in which:
8610 unique CDR3
13 unique J



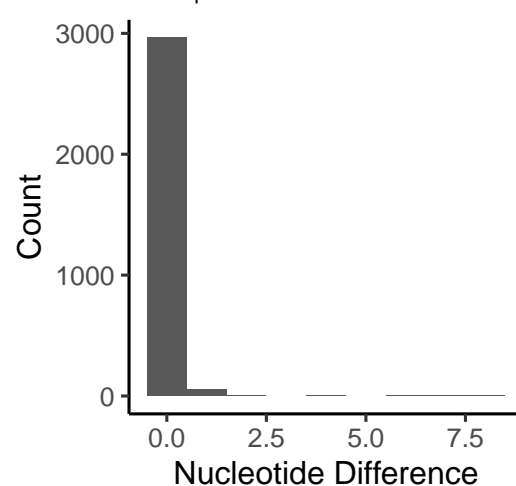
TRBV4-2*ap01

1605 sequences assigned
1570 (97.8%) exact matches, in which:
1536 unique CDR3
13 unique J



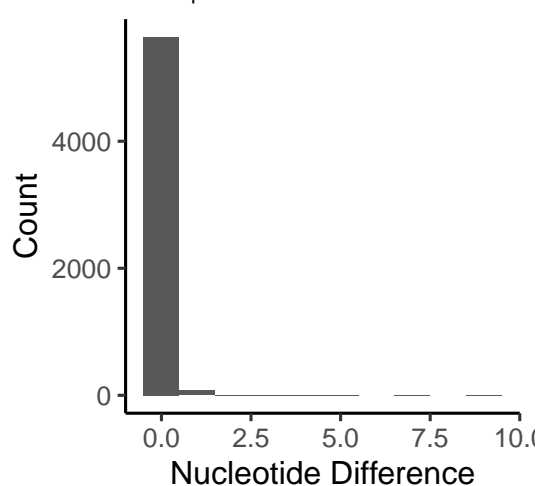
TRBV25-1*ap01

3024 sequences assigned
2964 (98%) exact matches, in which:
2909 unique CDR3
13 unique J



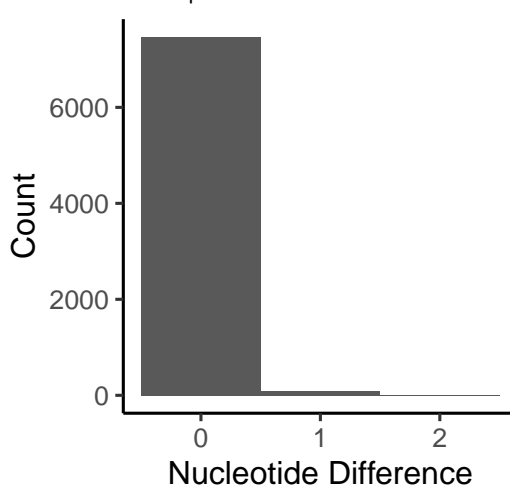
TRBV24-1*ap01

5724 sequences assigned
5640 (98.5%) exact matches, in which:
5531 unique CDR3
13 unique J



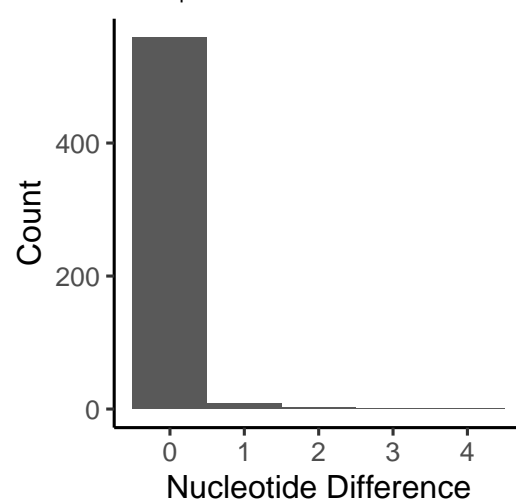
TRBV4-3*ap01

7561 sequences assigned
7465 (98.7%) exact matches, in which:
7298 unique CDR3
13 unique J



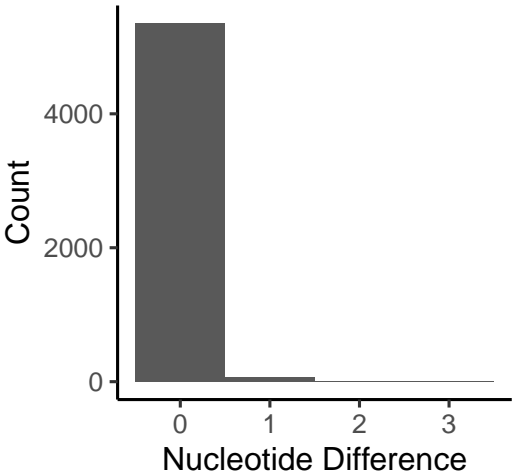
TRBV5-3*ap01

572 sequences assigned
559 (97.7%) exact matches, in which:
551 unique CDR3
13 unique J



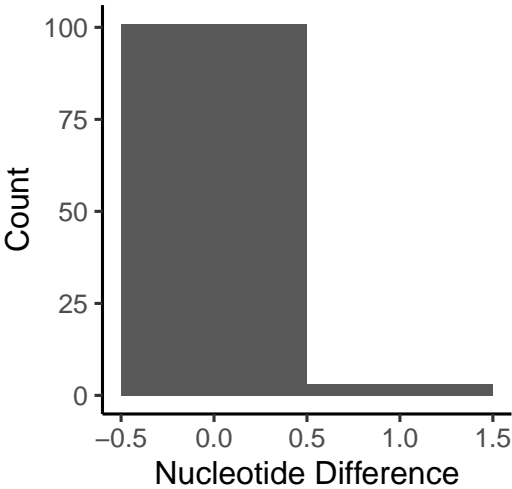
TRBV5-4*ap01

5412 sequences assigned
5350 (98.9%) exact matches, in which:
5216 unique CDR3
13 unique J



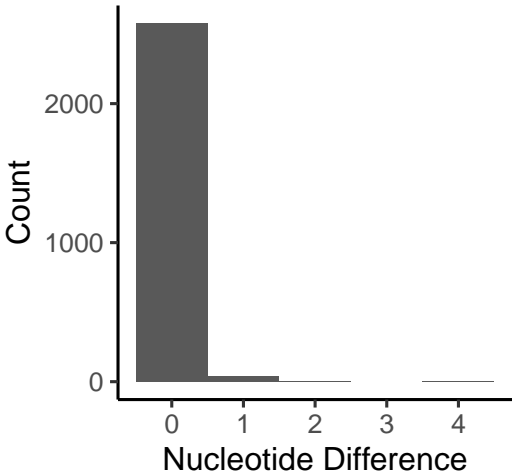
TRBV5-7*ap01

104 sequences assigned
101 (97.1%) exact matches, in which:
99 unique CDR3
12 unique J



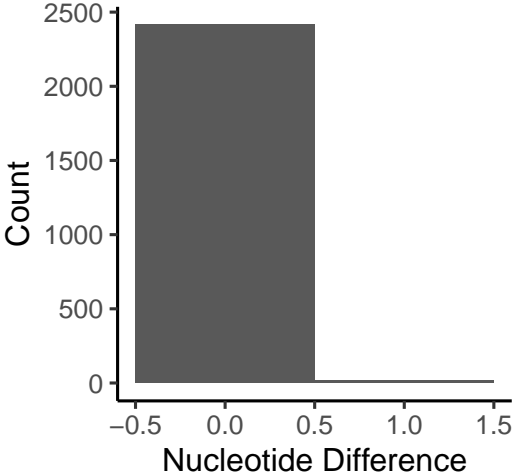
TRBV6-4*ap01

2620 sequences assigned
2577 (98.4%) exact matches, in which:
2546 unique CDR3
13 unique J



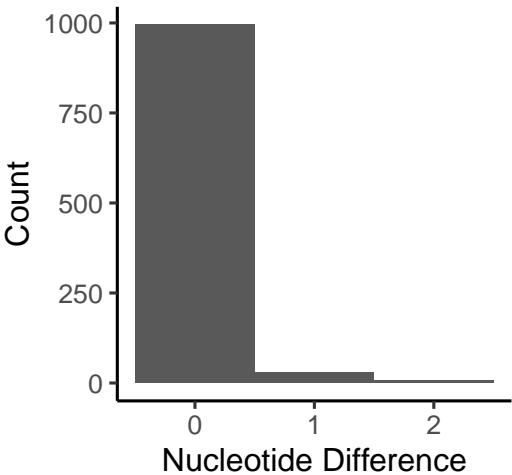
TRBV5-5*ap01

2430 sequences assigned
2415 (99.4%) exact matches, in which:
2382 unique CDR3
13 unique J



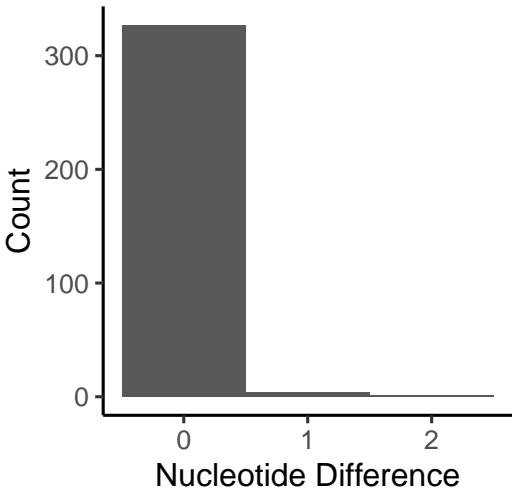
TRBV5-8*ap01

1030 sequences assigned
995 (96.6%) exact matches, in which:
975 unique CDR3
13 unique J



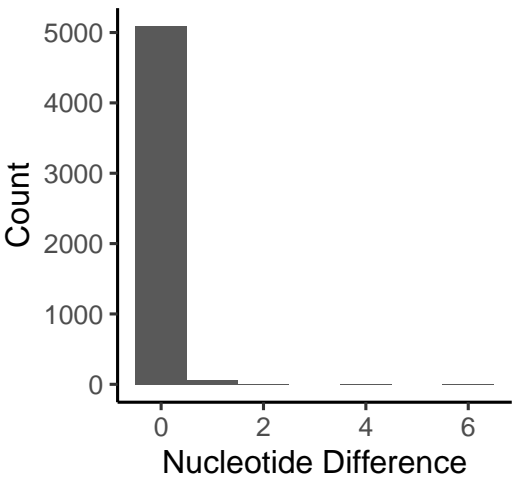
TRBV6-7*ap01

332 sequences assigned
327 (98.5%) exact matches, in which:
319 unique CDR3
13 unique J



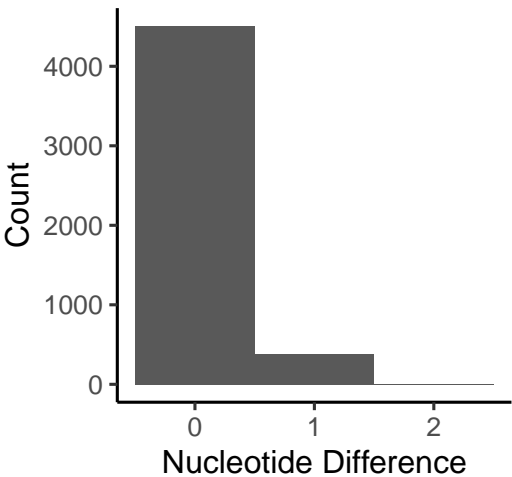
TRBV5-6*ap01

5158 sequences assigned
5092 (98.7%) exact matches, in which:
4960 unique CDR3
13 unique J



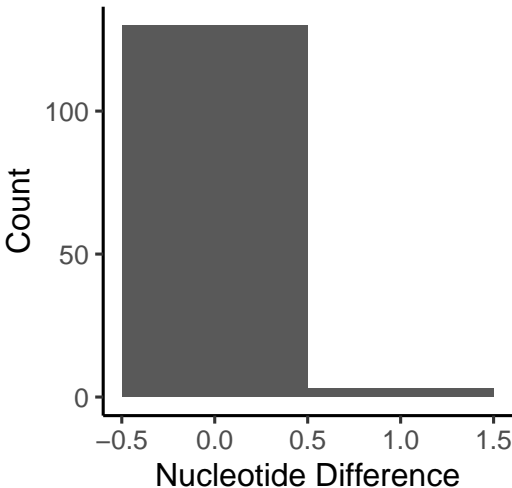
TRBV6-1*ap01

4891 sequences assigned
4506 (92.1%) exact matches, in which:
4403 unique CDR3
13 unique J



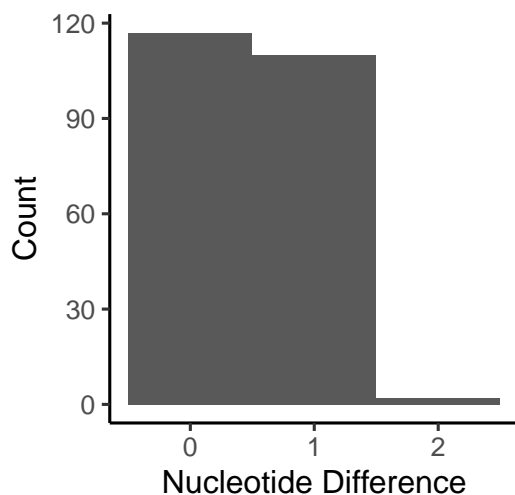
TRBV6-8*ap01

133 sequences assigned
130 (97.7%) exact matches, in which:
123 unique CDR3
13 unique J



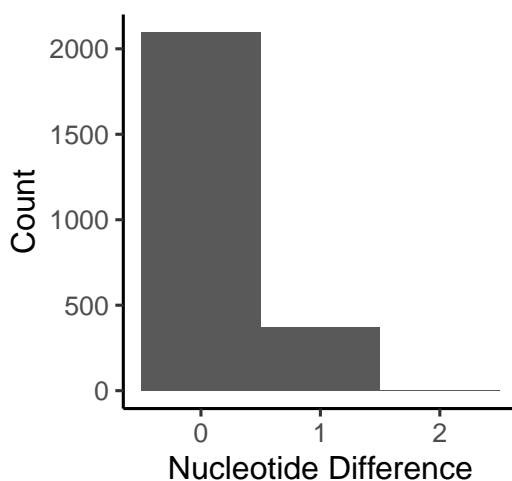
TRBV6-9*ap01

229 sequences assigned
117 (51.1%) exact matches, in which:
113 unique CDR3
13 unique J



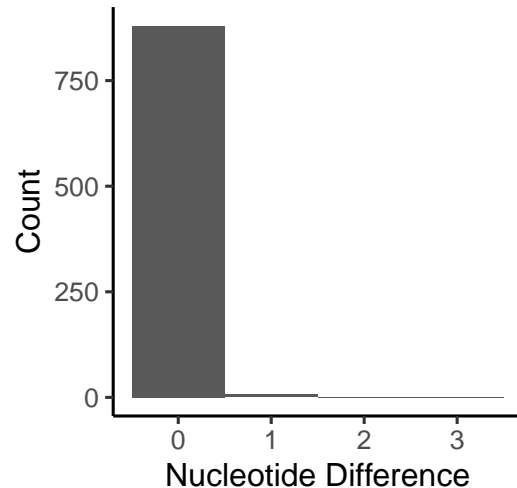
TRBV6-56*ap02

2471 sequences assigned
2096 (84.8%) exact matches, in which:
2036 unique CDR3
13 unique J



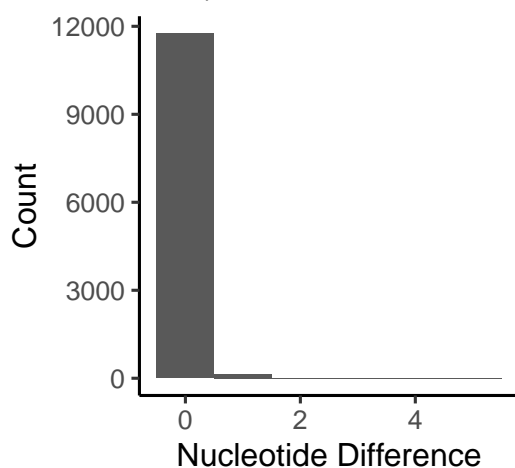
TRBV7-3*ap02

889 sequences assigned
880 (99%) exact matches, in which:
866 unique CDR3
13 unique J



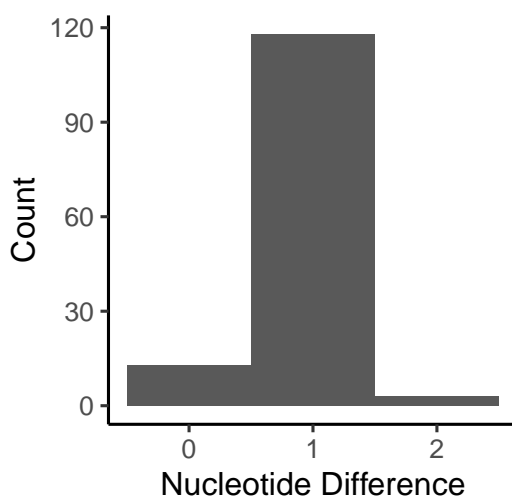
TRBV6-23*ap01

11913 sequences assigned
11756 (98.7%) exact matches, in which:
11405 unique CDR3
13 unique J



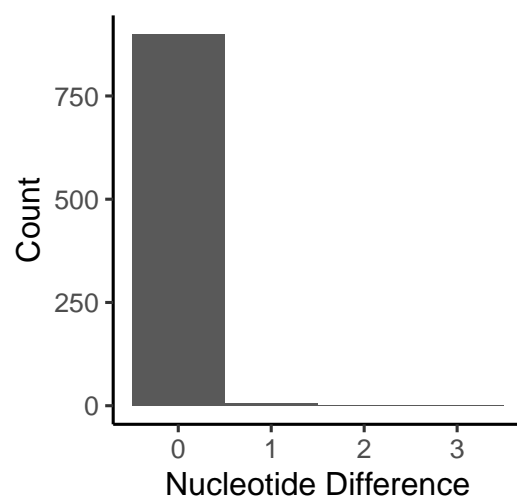
TRBV7-1*ap01_T296C

134 sequences assigned
13 (9.7%) exact matches, in which:
13 unique CDR3
8 unique J



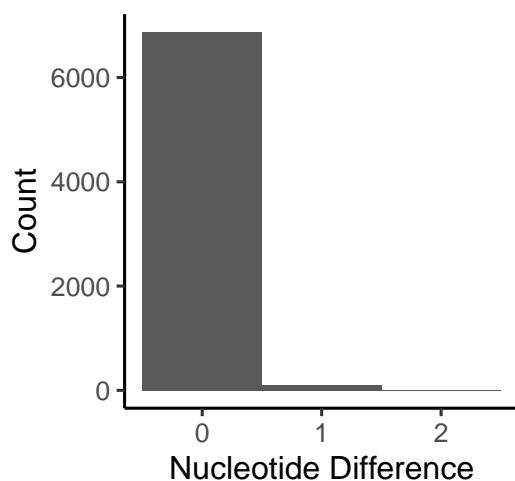
TRBV7-3*ap03

909 sequences assigned
900 (99%) exact matches, in which:
883 unique CDR3
13 unique J



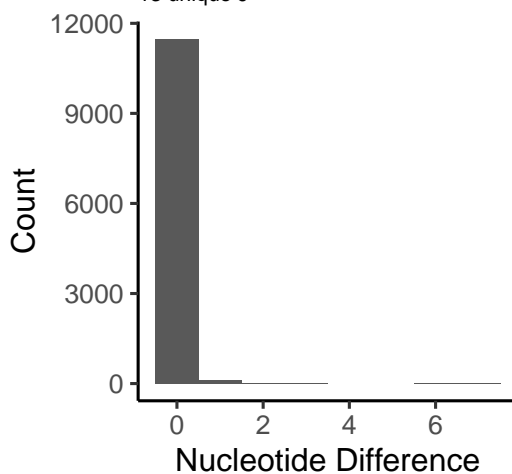
TRBV6-56*ap01

6971 sequences assigned
6873 (98.6%) exact matches, in which:
6704 unique CDR3
13 unique J



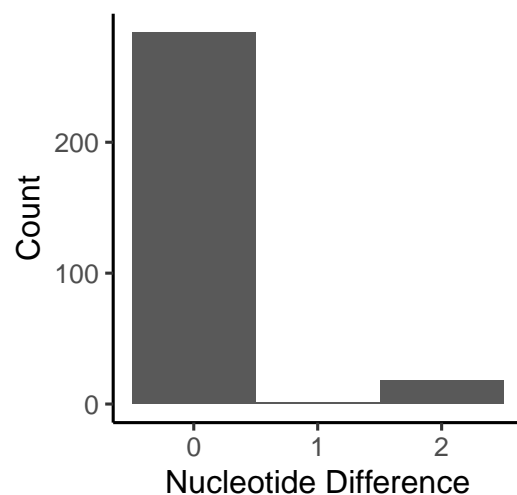
TRBV7-2*ap01

11600 sequences assigned
11485 (99%) exact matches, in which:
11284 unique CDR3
13 unique J



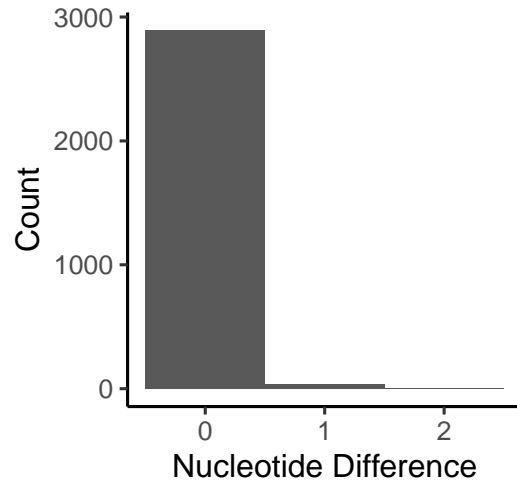
TRBV7-4*ap01

303 sequences assigned
284 (93.7%) exact matches, in which:
280 unique CDR3
13 unique J



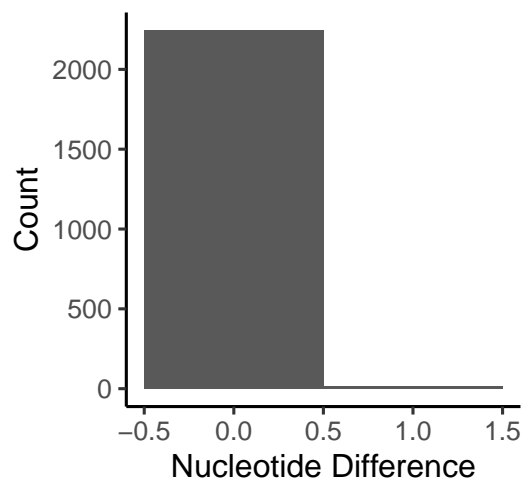
TRBV7-6*ap01

2928 sequences assigned
2892 (98.8%) exact matches, in which:
2833 unique CDR3
13 unique J



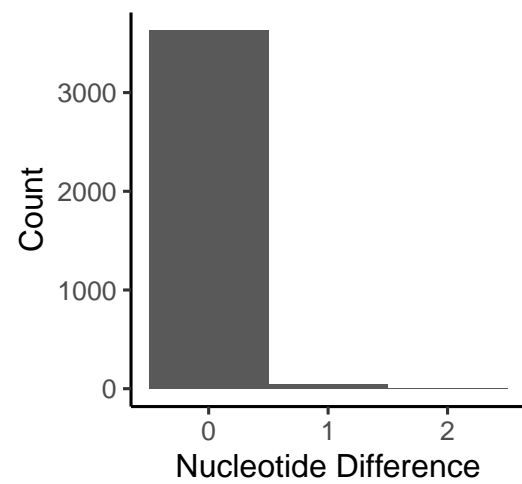
TRBV7-8*ap01

2260 sequences assigned
2244 (99.3%) exact matches, in which:
2192 unique CDR3
13 unique J



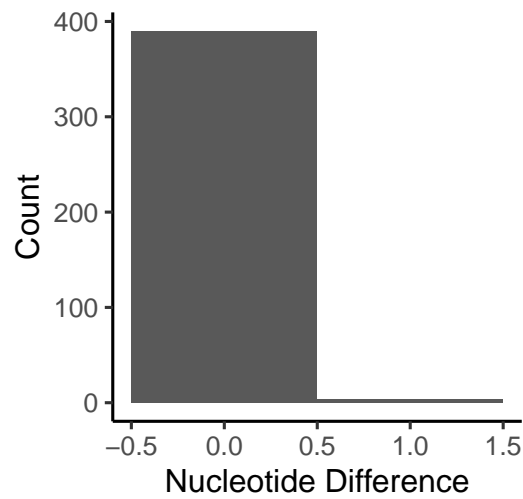
TRBV29-1*ap01

3682 sequences assigned
3630 (98.6%) exact matches, in which:
3545 unique CDR3
13 unique J



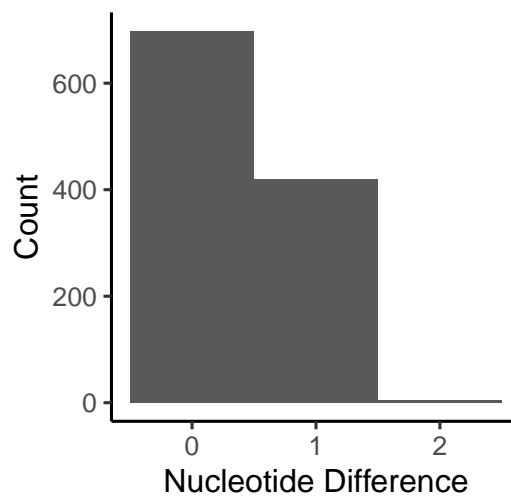
TRBV7-7*ap01

394 sequences assigned
390 (99%) exact matches, in which:
385 unique CDR3
13 unique J



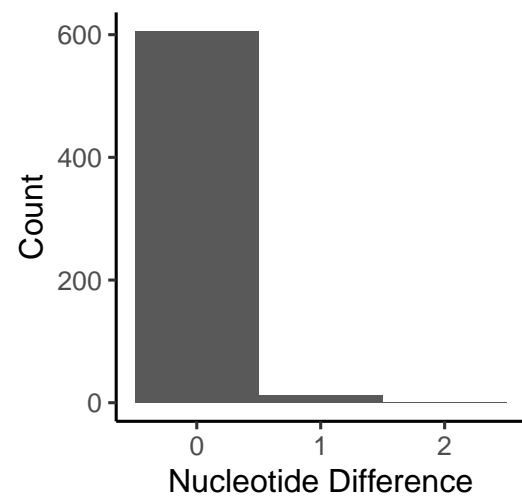
TRBV7-8*ap03

1121 sequences assigned
698 (62.3%) exact matches, in which:
689 unique CDR3
13 unique J



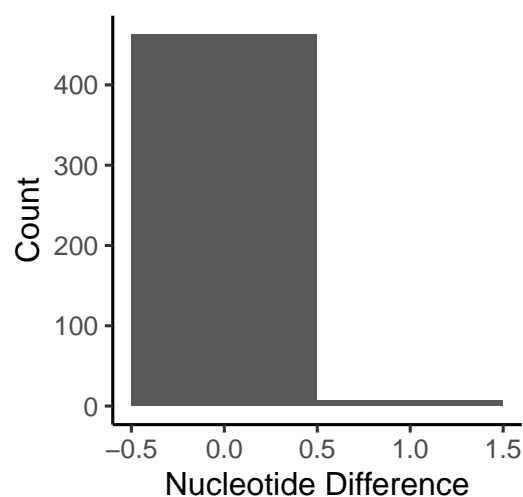
TRBV29-1*ap02

620 sequences assigned
606 (97.7%) exact matches, in which:
591 unique CDR3
13 unique J



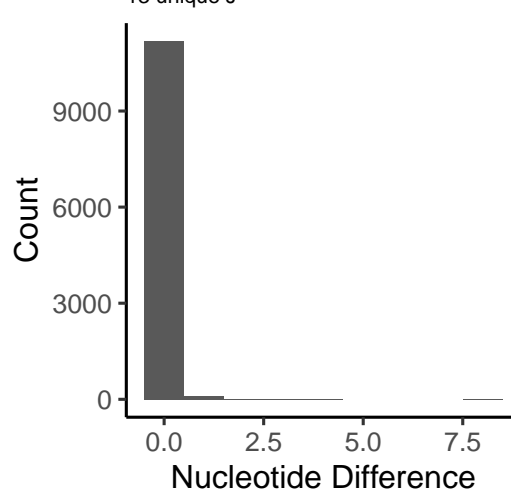
TRBV7-7*ap01_C315T

470 sequences assigned
463 (98.5%) exact matches, in which:
453 unique CDR3
13 unique J

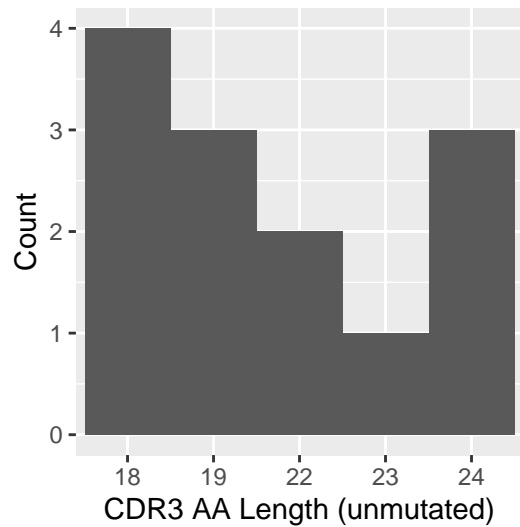


TRBV7-9*ap01

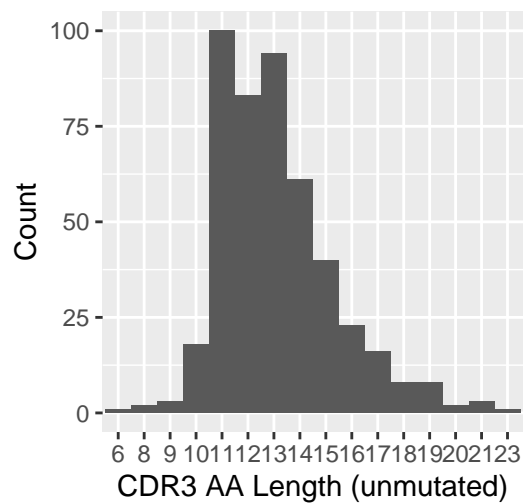
11285 sequences assigned
11184 (99.1%) exact matches, in which:
11031 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]