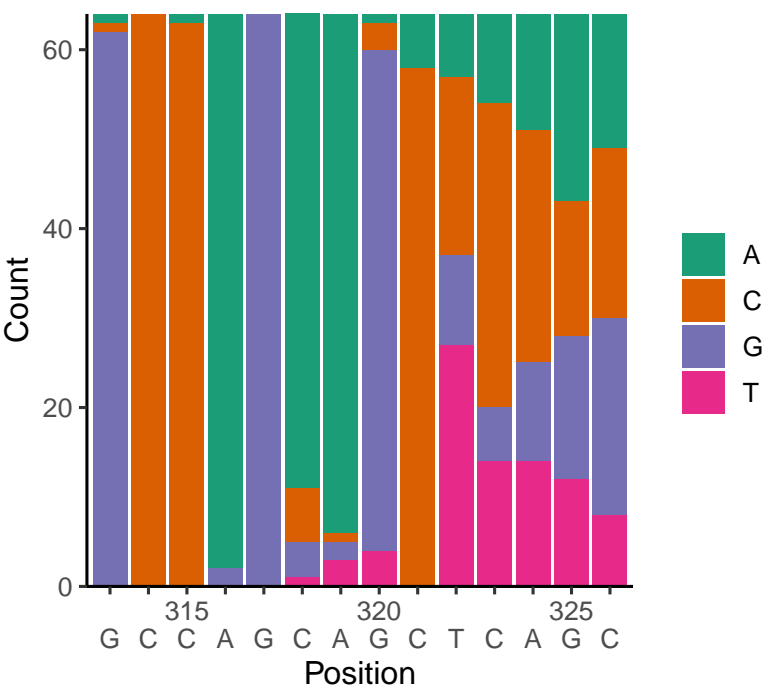
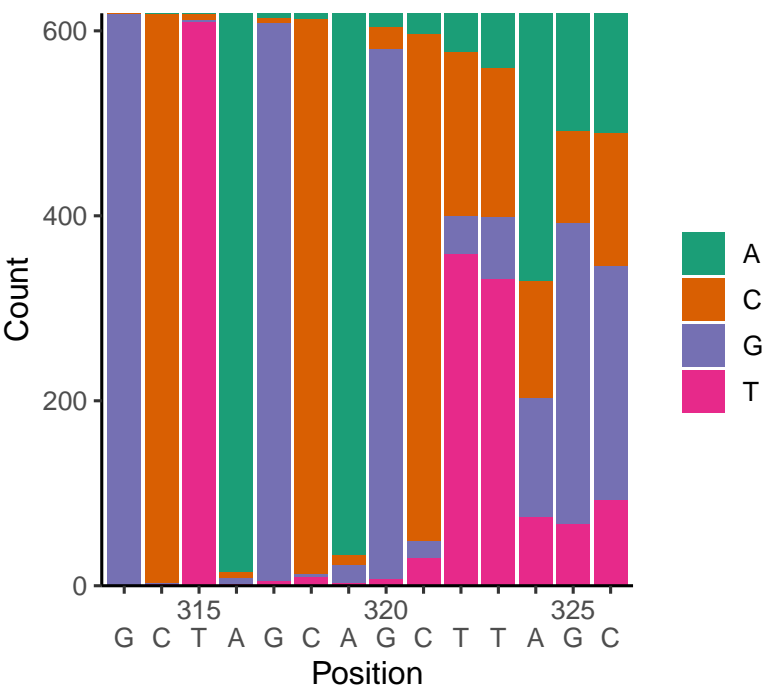


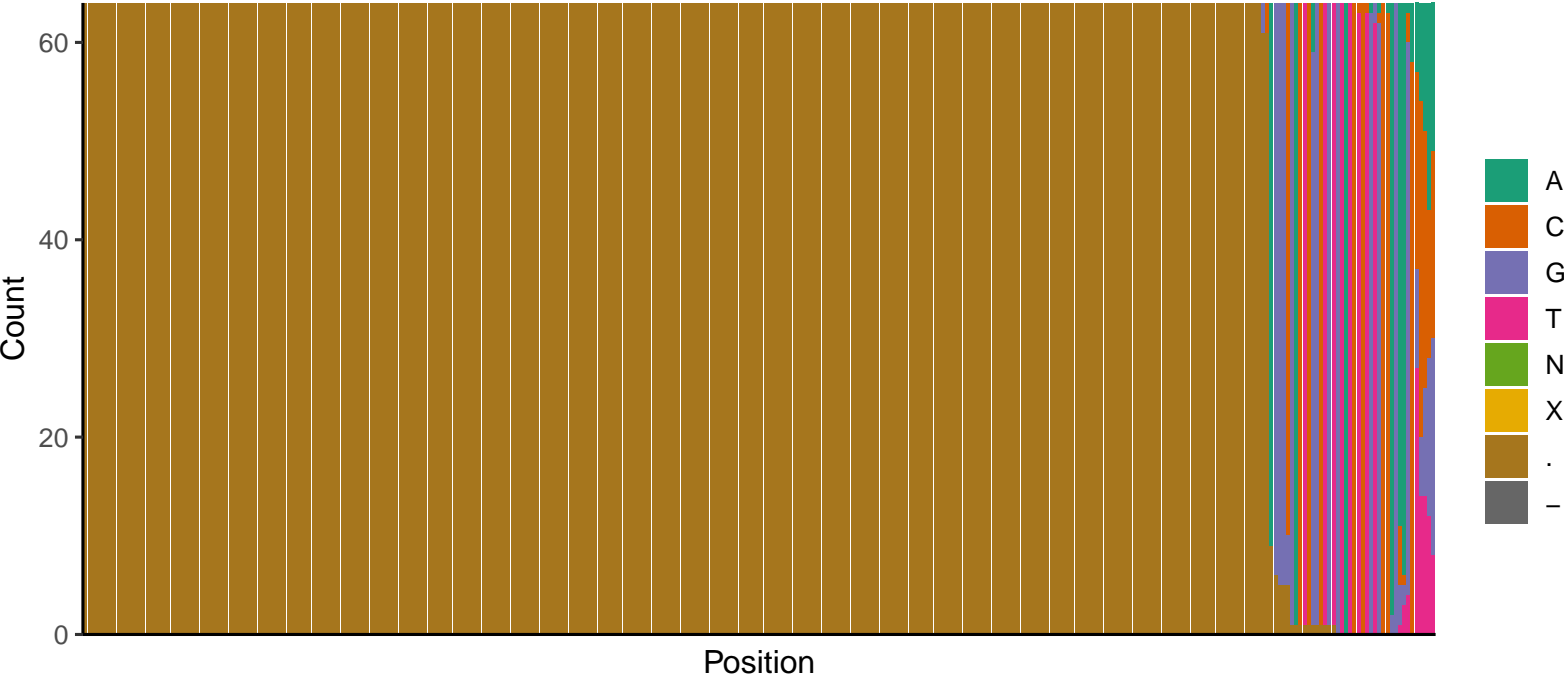
Gene TRBV7-1*ap01_T296C



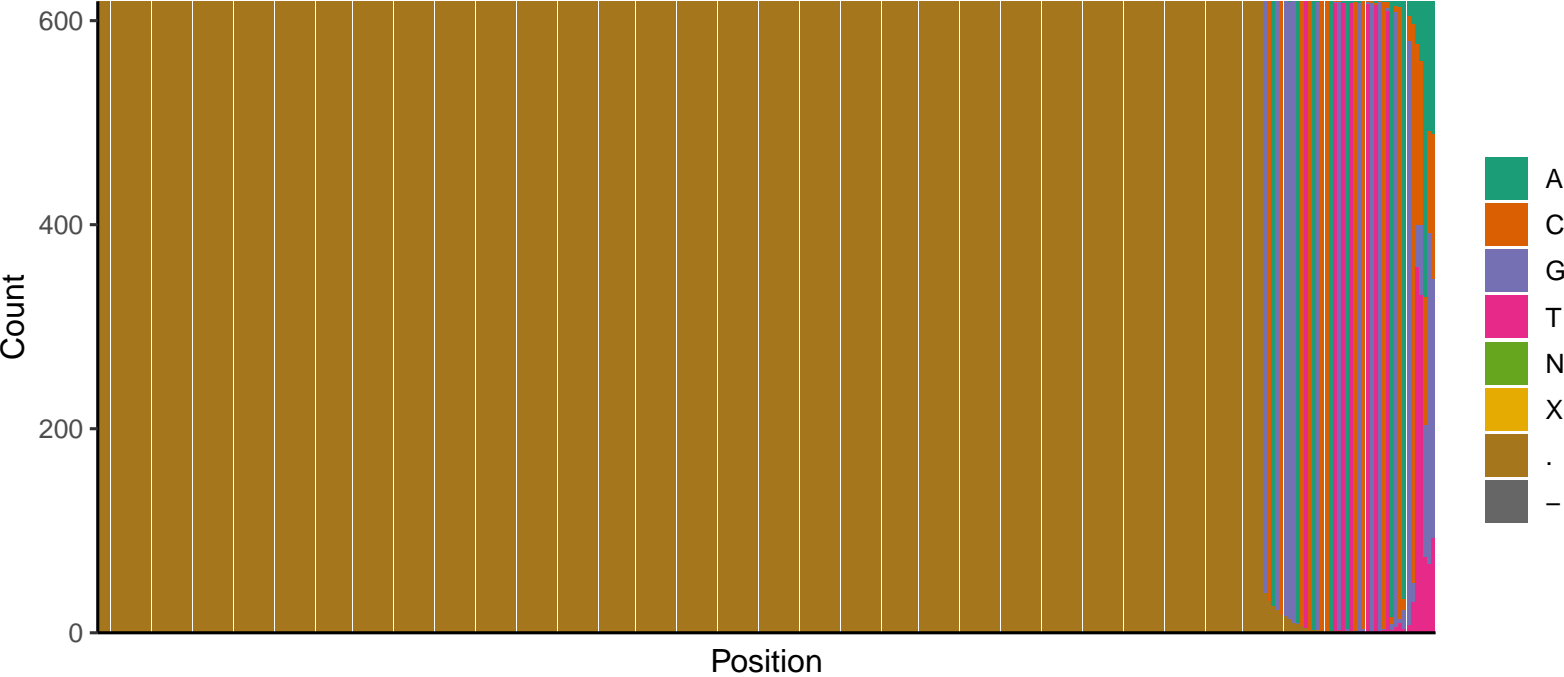
Gene TRBV7-7*ap01_C315T



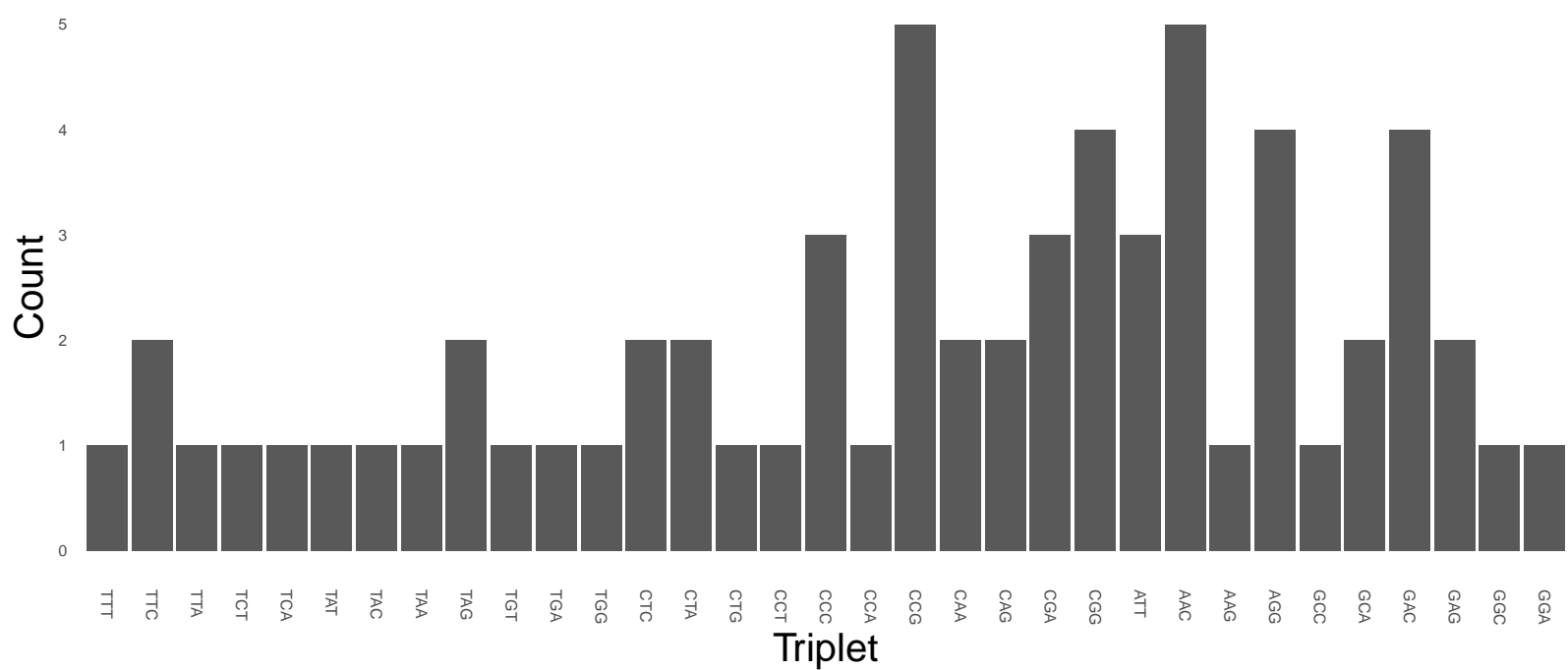
Gene TRBV7-1*ap01_T296C



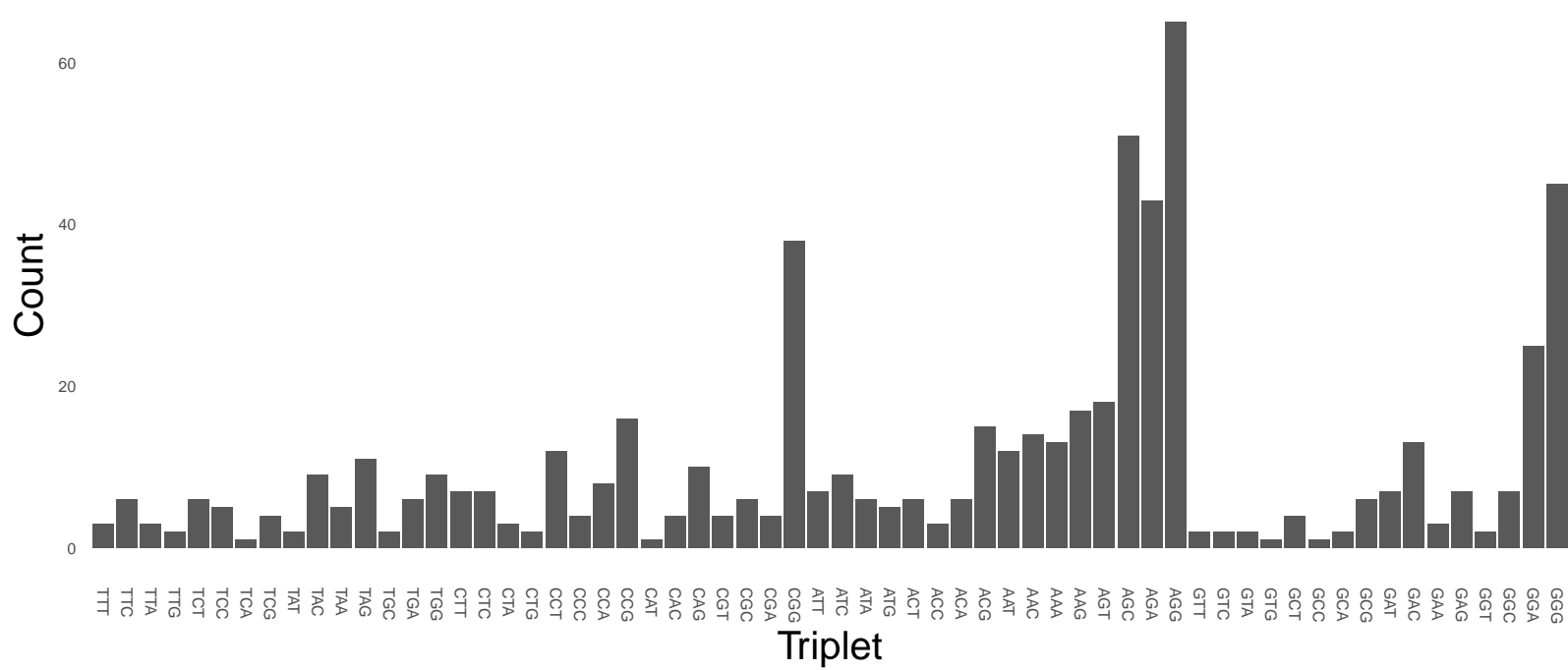
Gene TRBV7-7*ap01_C315T



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

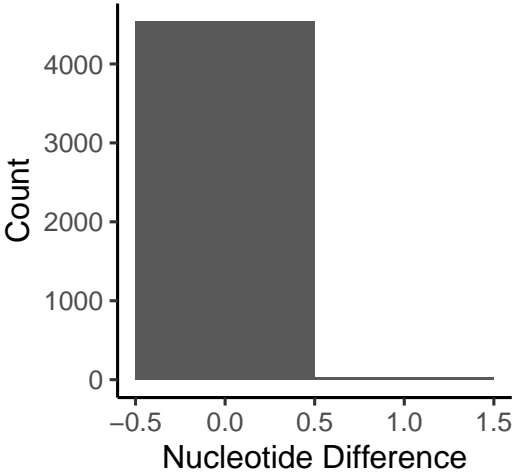


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



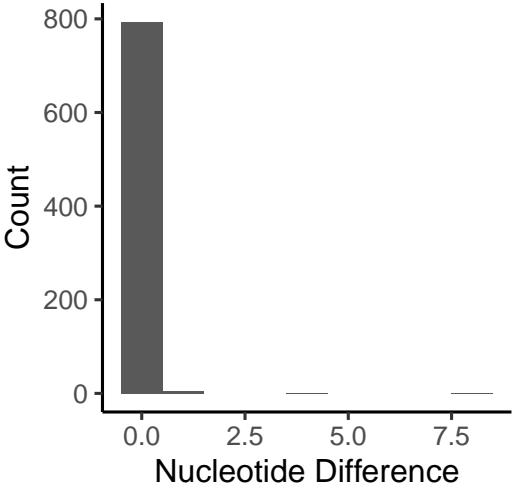
TRBV20–1*ap01

4567 sequences assigned
4539 (99.4%) exact matches, in which:
4494 unique CDR3
14 unique J



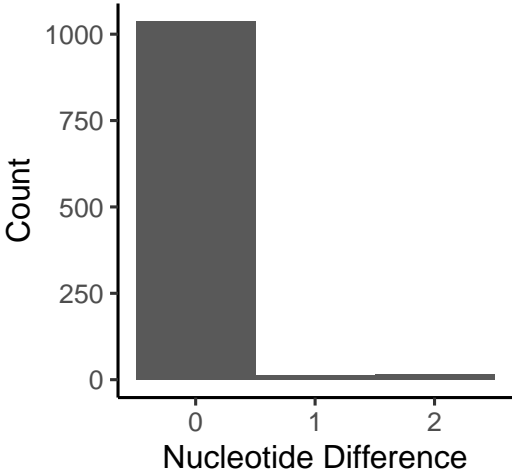
TRBV10–2*ap01

802 sequences assigned
794 (99%) exact matches, in which:
778 unique CDR3
14 unique J



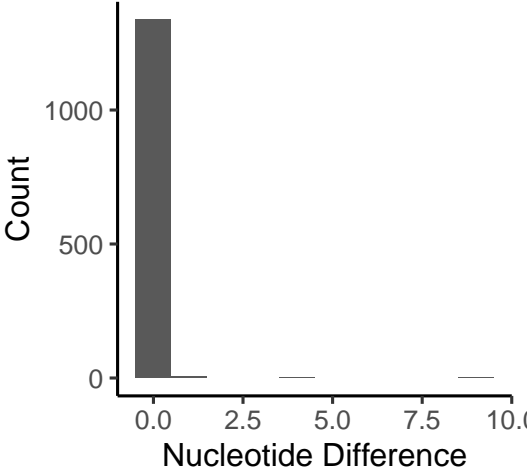
TRBV13*ap01

1067 sequences assigned
1037 (97.2%) exact matches, in which:
1016 unique CDR3
14 unique J



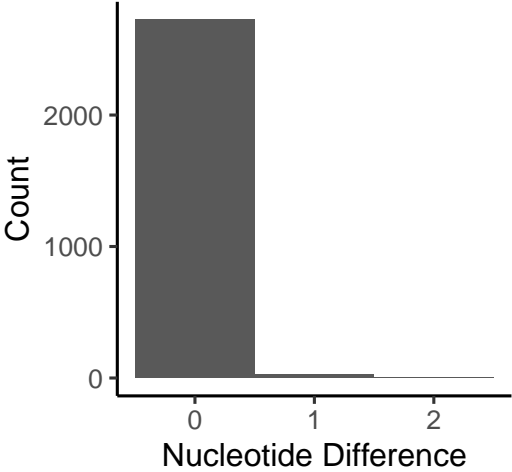
TRBV10–1*ap01

1344 sequences assigned
1337 (99.5%) exact matches, in which:
1293 unique CDR3
14 unique J



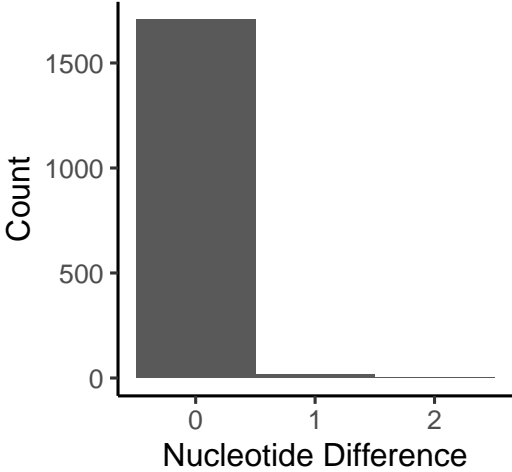
TRBV10–3*ap01

2754 sequences assigned
2725 (98.9%) exact matches, in which:
2681 unique CDR3
14 unique J



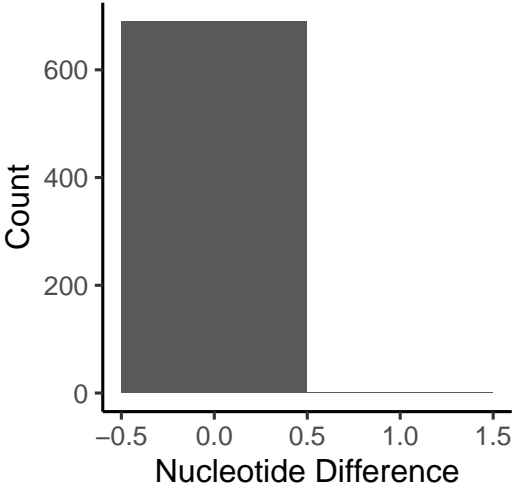
TRBV14*ap01

1723 sequences assigned
1706 (99%) exact matches, in which:
1687 unique CDR3
14 unique J



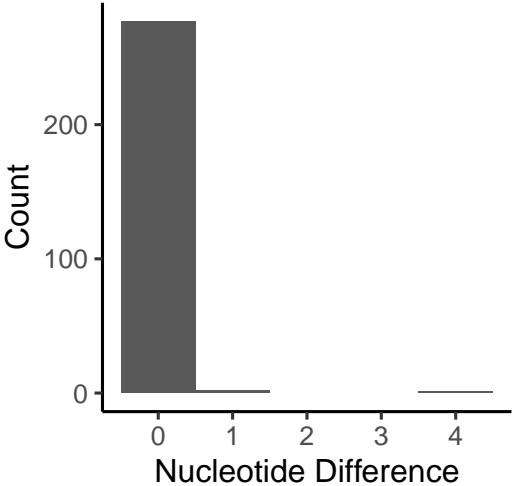
TRBV20–1*ap02

691 sequences assigned
690 (99.9%) exact matches, in which:
683 unique CDR3
14 unique J



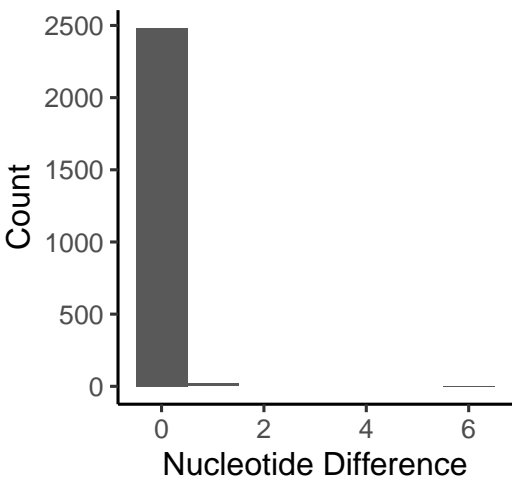
TRBV1*ap01

280 sequences assigned
277 (98.9%) exact matches, in which:
263 unique CDR3
14 unique J



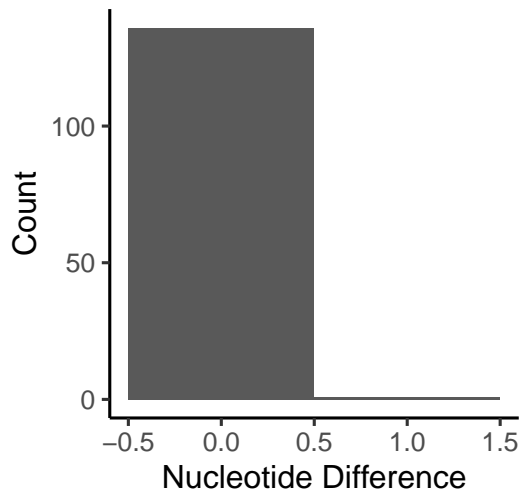
TRBV15*ap02

2503 sequences assigned
2482 (99.2%) exact matches, in which:
2433 unique CDR3
14 unique J



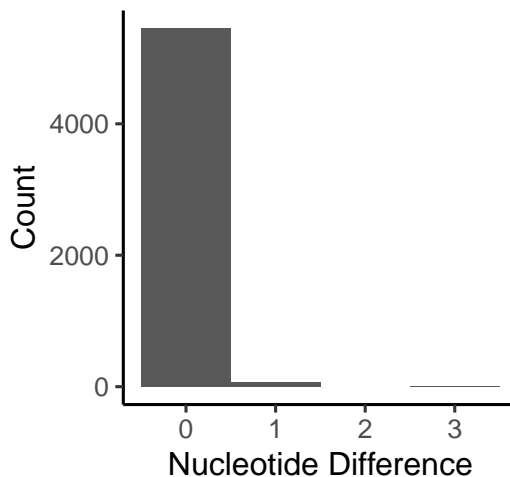
TRBV16*ap01

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



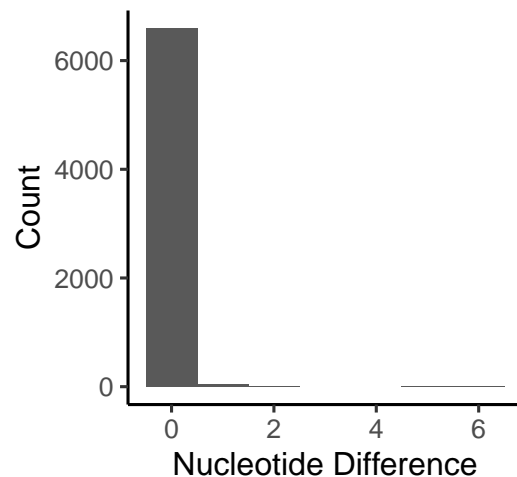
TRBV2*ap01

5518 sequences assigned
5452 (98.8%) exact matches, in which:
5345 unique CDR3
14 unique J



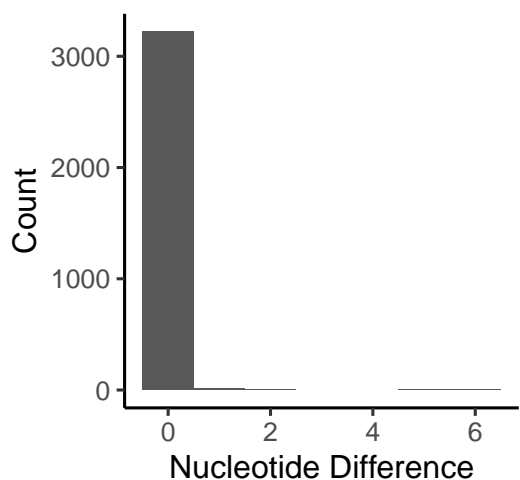
TRBV28*ap01

6638 sequences assigned
6592 (99.3%) exact matches, in which:
6511 unique CDR3
14 unique J



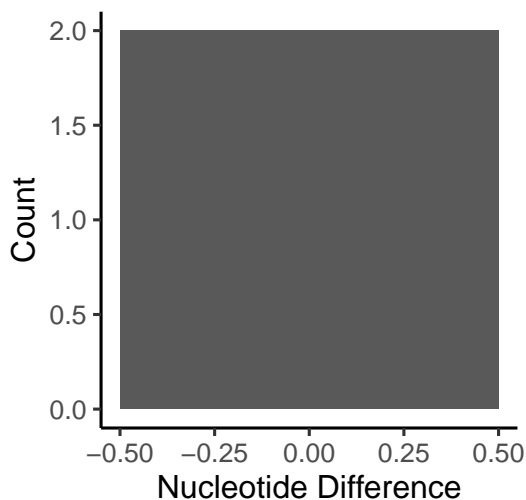
TRBV18*ap01

3241 sequences assigned
3221 (99.4%) exact matches, in which:
3196 unique CDR3
14 unique J



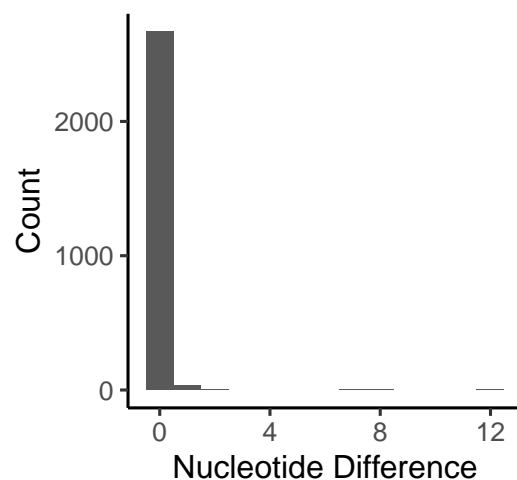
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
1 unique CDR3
1 unique J



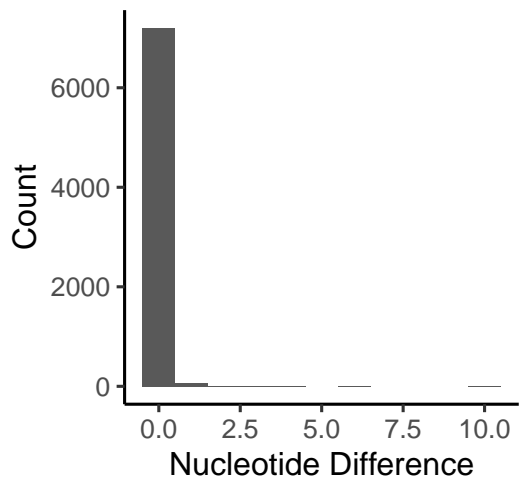
TRBV30*ap02

2711 sequences assigned
2668 (98.4%) exact matches, in which:
2612 unique CDR3
14 unique J



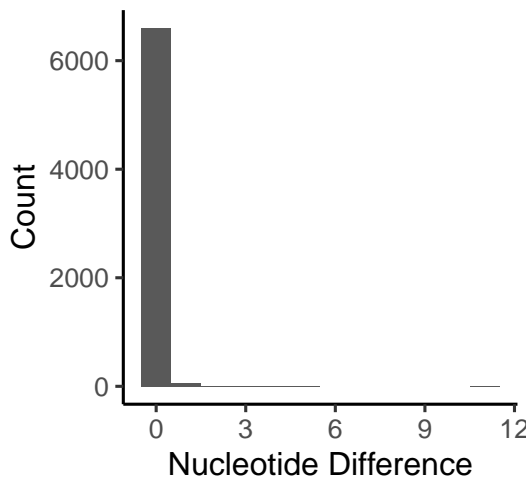
TRBV19*ap01

7270 sequences assigned
7200 (99%) exact matches, in which:
7152 unique CDR3
14 unique J



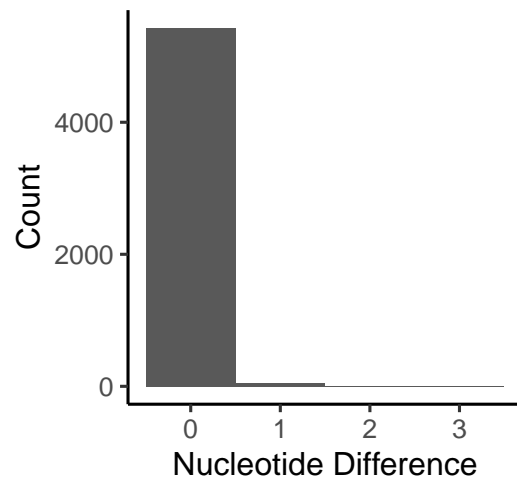
TRBV27*ap01

6671 sequences assigned
6601 (99%) exact matches, in which:
6497 unique CDR3
14 unique J



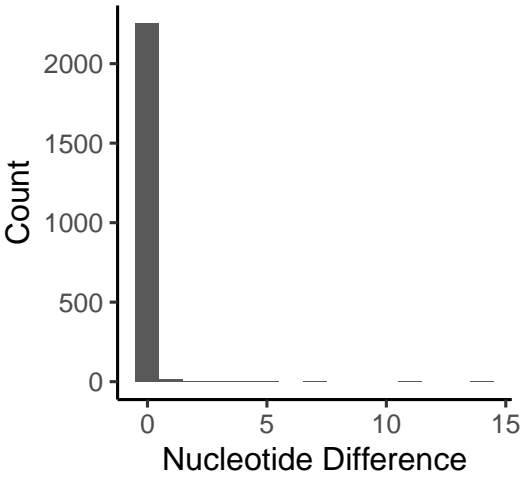
TRBV9*ap01

5475 sequences assigned
5427 (99.1%) exact matches, in which:
5382 unique CDR3
14 unique J



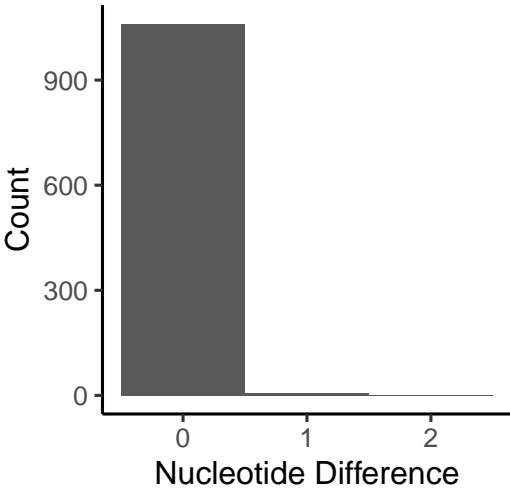
TRBV21-1*ap01

2278 sequences assigned
2253 (98.9%) exact matches, in which:
2226 unique CDR3
14 unique J



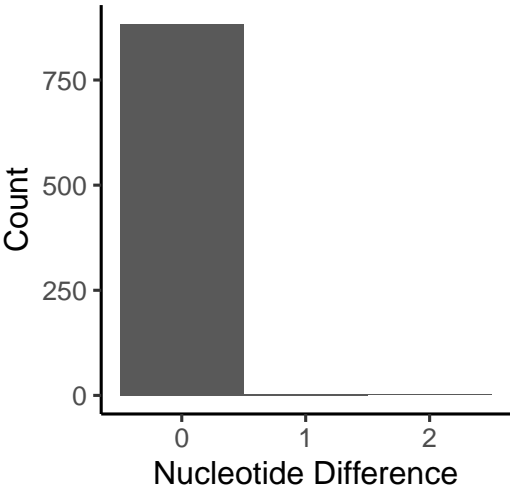
TRBV11-3*ap01

1068 sequences assigned
1061 (99.3%) exact matches, in which:
1056 unique CDR3
14 unique J



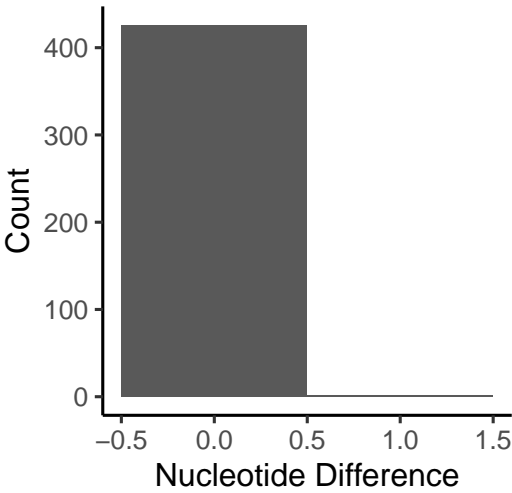
TRBV12-5*ap01

889 sequences assigned
884 (99.4%) exact matches, in which:
878 unique CDR3
14 unique J



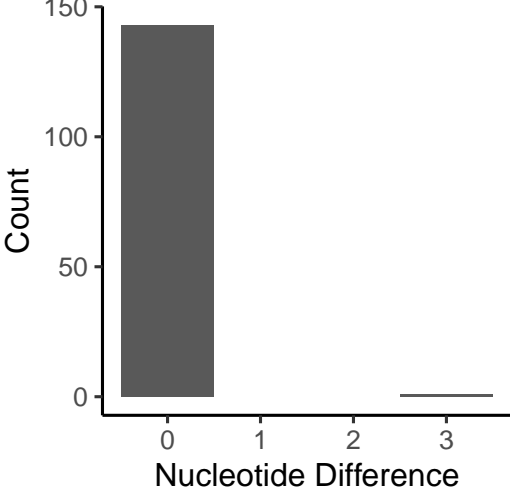
TRBV11-1*ap01

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



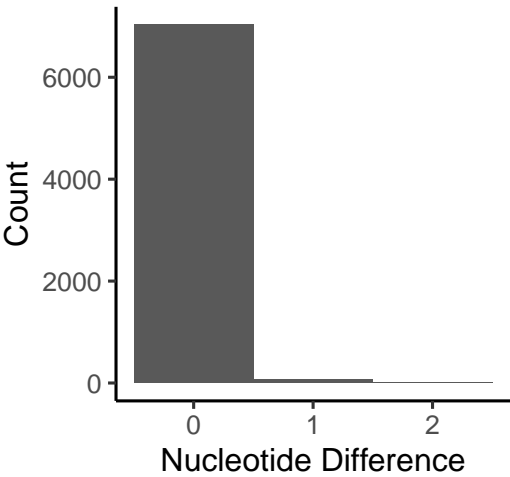
TRBV12-1*ap01

144 sequences assigned
143 (99.3%) exact matches, in which:
142 unique CDR3
14 unique J



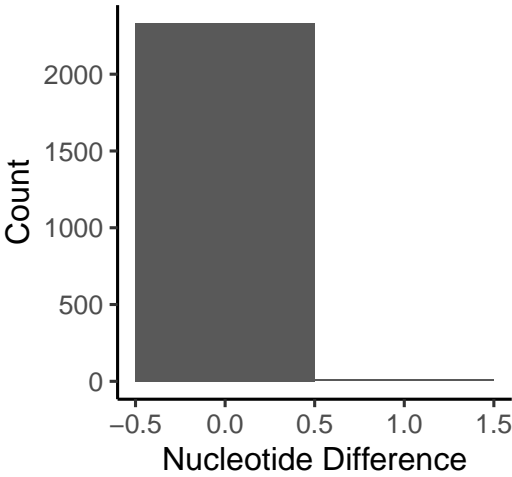
TRBV12-34*ap01

7093 sequences assigned
7031 (99.1%) exact matches, in which:
6919 unique CDR3
14 unique J



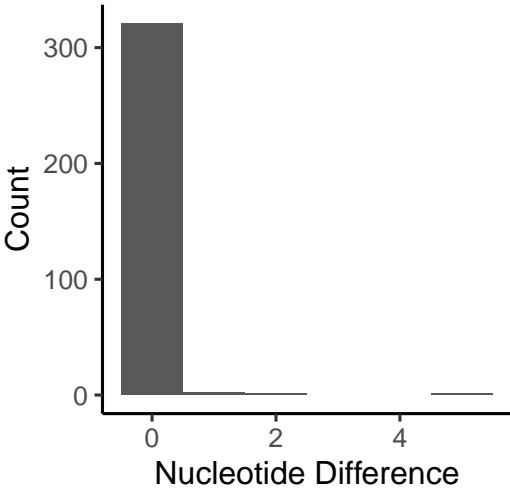
TRBV11-2*ap01

2344 sequences assigned
2333 (99.5%) exact matches, in which:
2315 unique CDR3
14 unique J



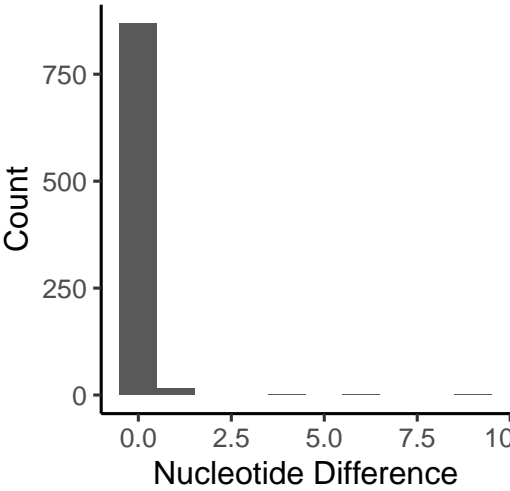
TRBV12-2*ap01

325 sequences assigned
321 (98.8%) exact matches, in which:
315 unique CDR3
14 unique J



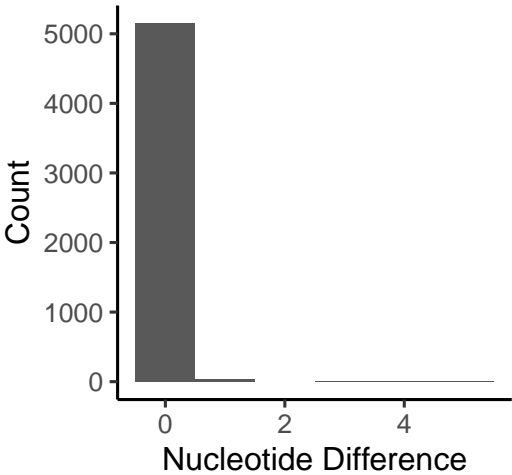
TRBV23-1*ap01

888 sequences assigned
869 (97.9%) exact matches, in which:
855 unique CDR3
14 unique J



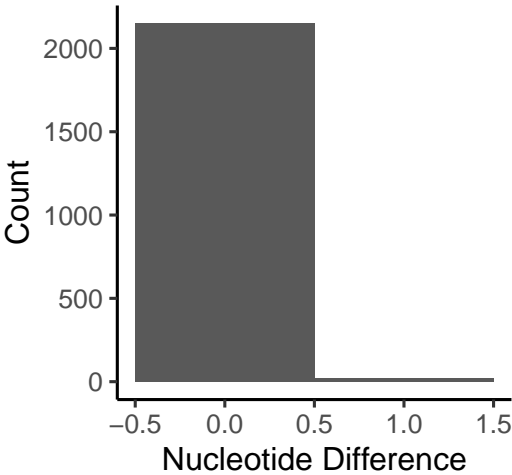
TRBV3-12*ap01

5186 sequences assigned
5149 (99.3%) exact matches, in which:
5099 unique CDR3
14 unique J



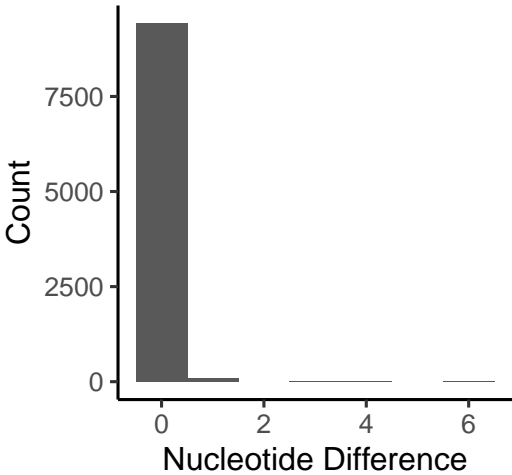
TRBV4-2*ap01

2174 sequences assigned
2150 (98.9%) exact matches, in which:
2119 unique CDR3
14 unique J



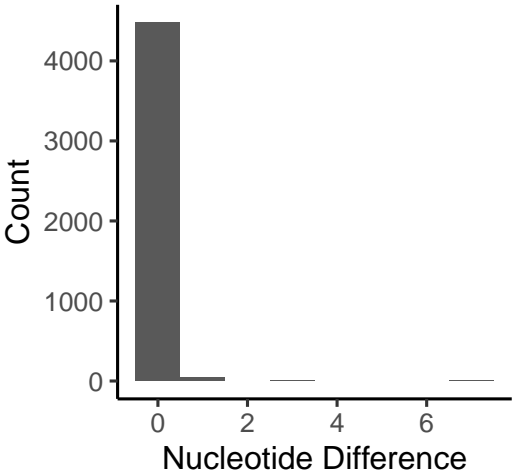
TRBV5-1*ap01

9522 sequences assigned
9421 (98.9%) exact matches, in which:
9245 unique CDR3
14 unique J



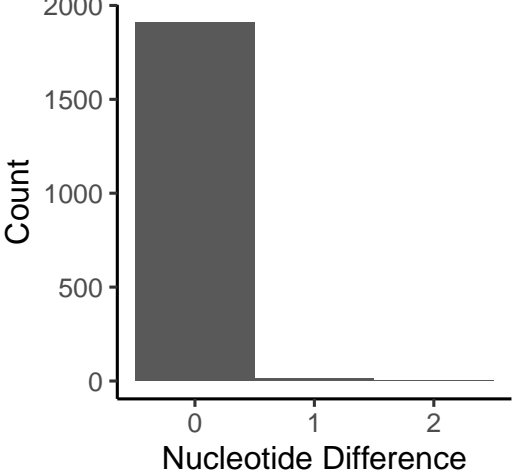
TRBV4-1*ap01

4525 sequences assigned
4477 (98.9%) exact matches, in which:
4392 unique CDR3
14 unique J



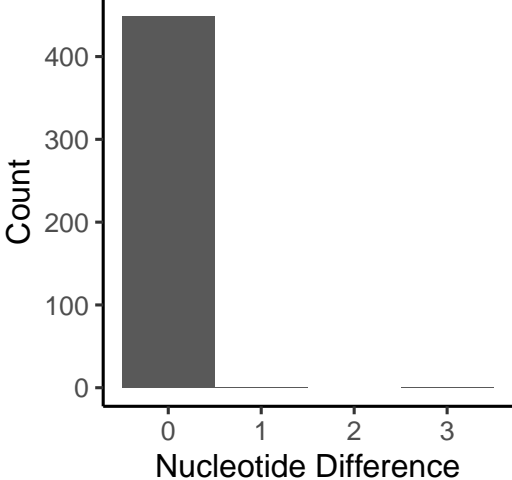
TRBV4-3*ap01

1922 sequences assigned
1908 (99.3%) exact matches, in which:
1888 unique CDR3
14 unique J



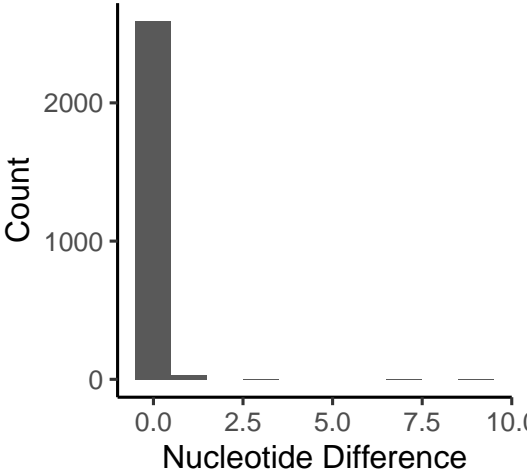
TRBV5-3*ap01

451 sequences assigned
449 (99.6%) exact matches, in which:
445 unique CDR3
14 unique J



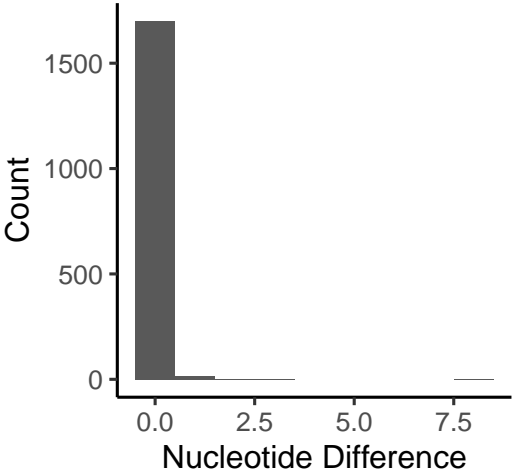
TRBV24-1*ap01

2626 sequences assigned
2592 (98.7%) exact matches, in which:
2534 unique CDR3
14 unique J



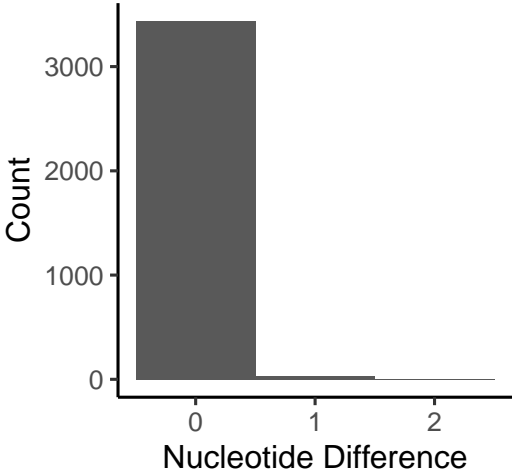
TRBV25-1*ap01

1721 sequences assigned
1700 (98.8%) exact matches, in which:
1642 unique CDR3
14 unique J



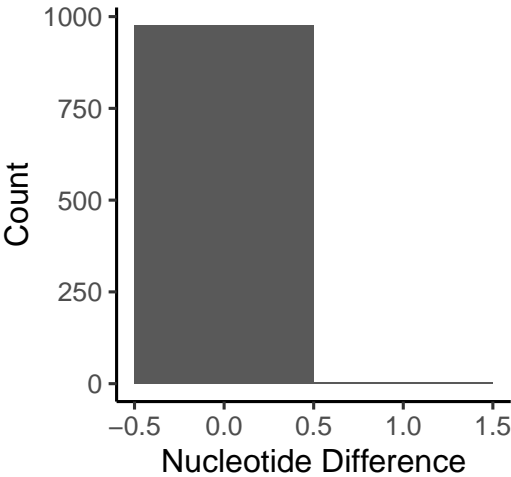
TRBV5-4*ap01

3467 sequences assigned
3437 (99.1%) exact matches, in which:
3374 unique CDR3
14 unique J



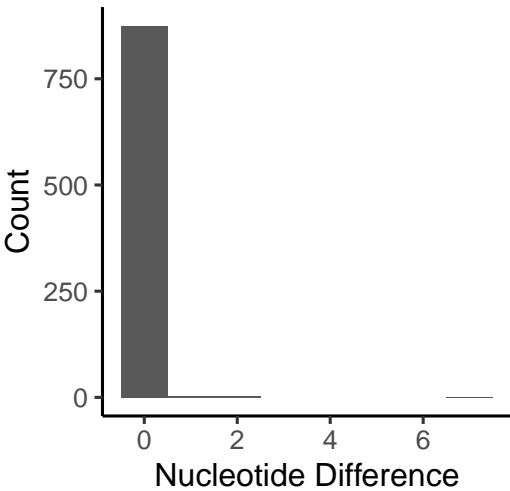
TRBV5-5*ap01

979 sequences assigned
976 (99.7%) exact matches, in which:
966 unique CDR3
14 unique J



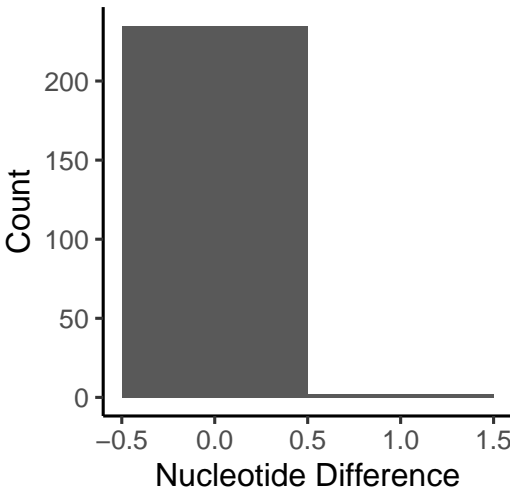
TRBV5-8*ap01

883 sequences assigned
875 (99.1%) exact matches, in which:
861 unique CDR3
14 unique J



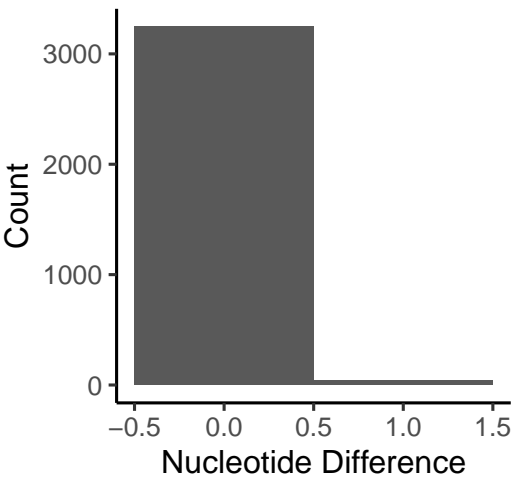
TRBV6-7*ap01

237 sequences assigned
235 (99.2%) exact matches, in which:
228 unique CDR3
14 unique J



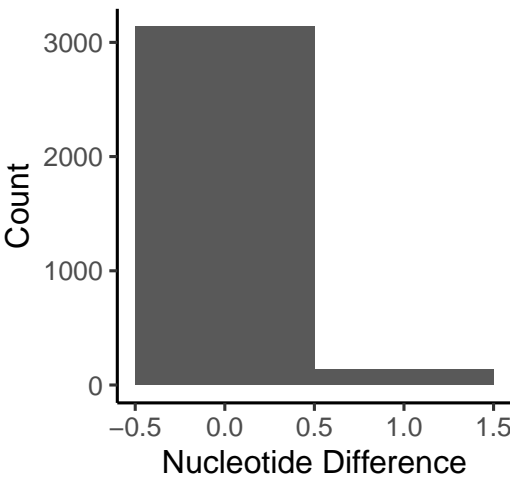
TRBV5-6*ap01

3289 sequences assigned
3246 (98.7%) exact matches, in which:
3154 unique CDR3
14 unique J



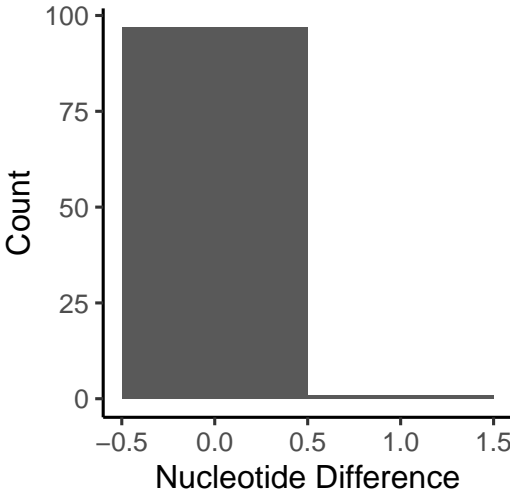
TRBV6-1*ap01

3273 sequences assigned
3137 (95.8%) exact matches, in which:
3068 unique CDR3
14 unique J



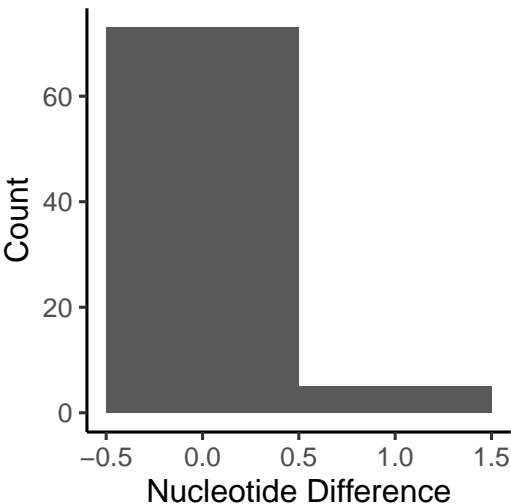
TRBV6-8*ap01

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



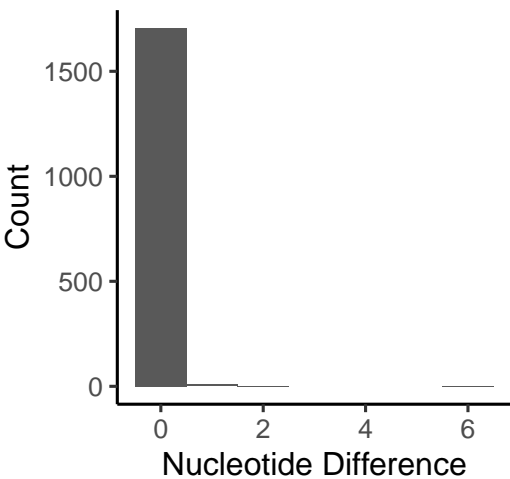
TRBV5-7*ap01

78 sequences assigned
73 (93.6%) exact matches, in which:
70 unique CDR3
14 unique J



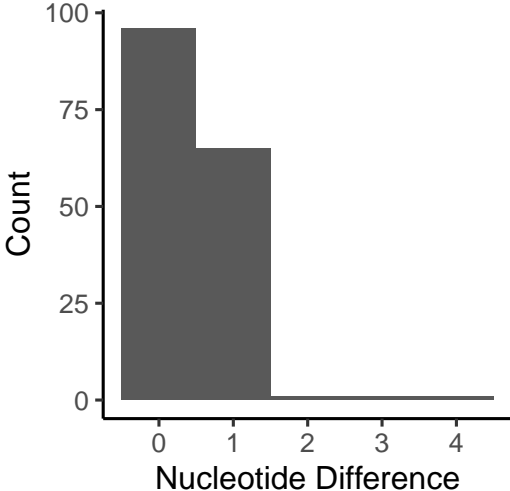
TRBV6-4*ap01

1718 sequences assigned
1706 (99.3%) exact matches, in which:
1678 unique CDR3
14 unique J



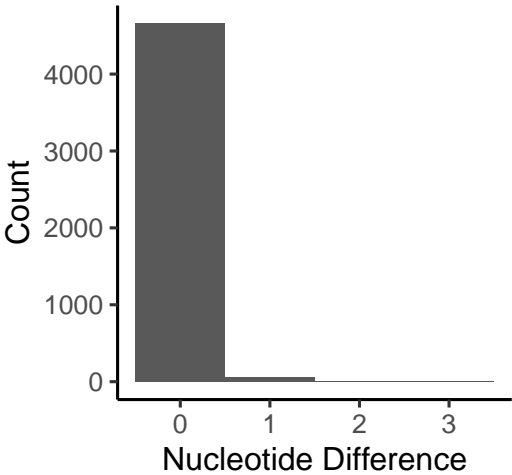
TRBV6-9*ap01

164 sequences assigned
96 (58.5%) exact matches, in which:
92 unique CDR3
14 unique J



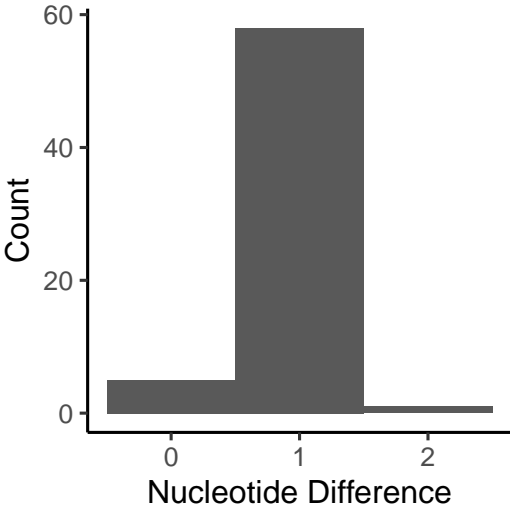
TRBV6-23*ap01

4717 sequences assigned
4659 (98.8%) exact matches, in which:
4531 unique CDR3
14 unique J



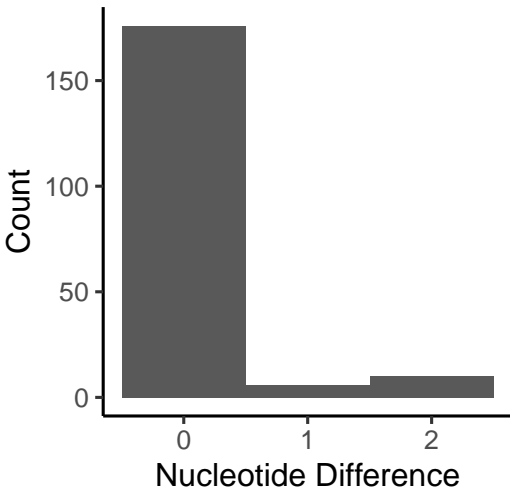
TRBV7-1*ap01_T296C

64 sequences assigned
5 (7.8%) exact matches, in which:
5 unique CDR3
4 unique J



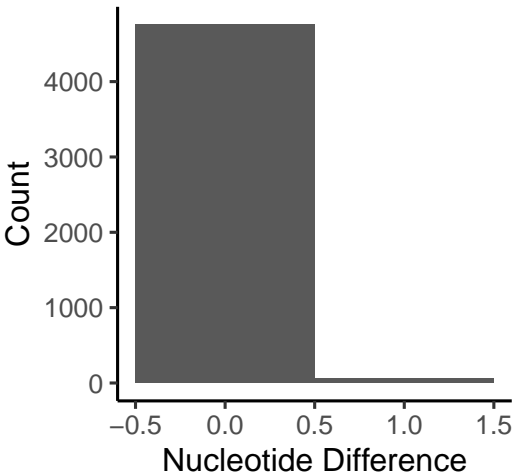
TRBV7-4*ap01

192 sequences assigned
176 (91.7%) exact matches, in which:
174 unique CDR3
14 unique J



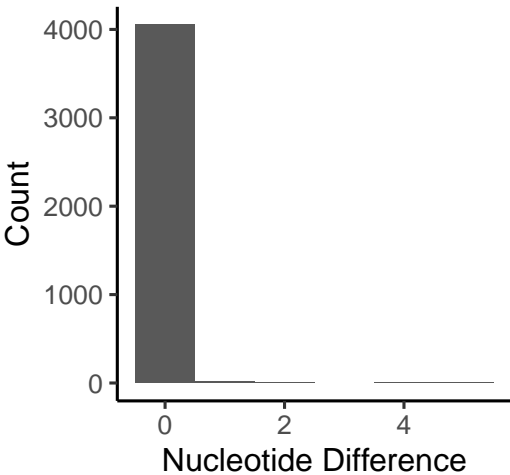
TRBV6-56*ap01

4810 sequences assigned
4755 (98.9%) exact matches, in which:
4638 unique CDR3
14 unique J



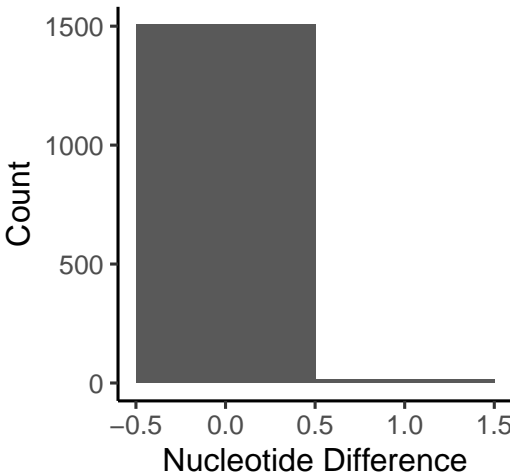
TRBV7-2*ap01

4077 sequences assigned
4053 (99.4%) exact matches, in which:
4014 unique CDR3
14 unique J



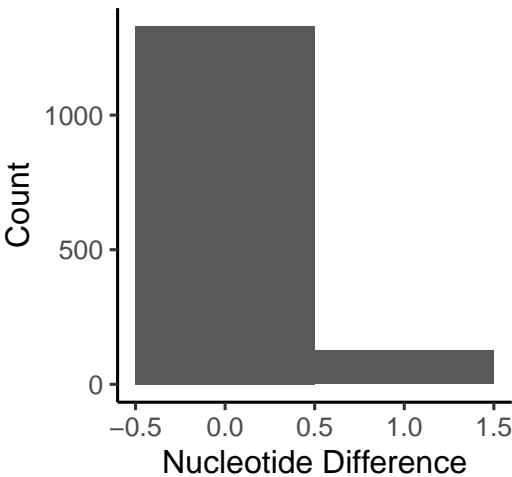
TRBV7-6*ap01

1521 sequences assigned
1506 (99%) exact matches, in which:
1487 unique CDR3
14 unique J



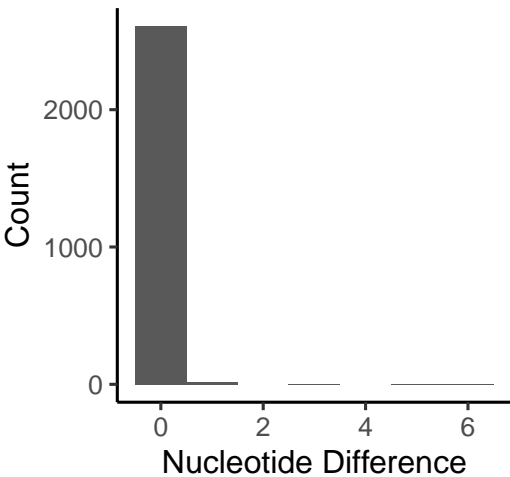
TRBV6-56*ap02

1456 sequences assigned
1331 (91.4%) exact matches, in which:
1298 unique CDR3
14 unique J



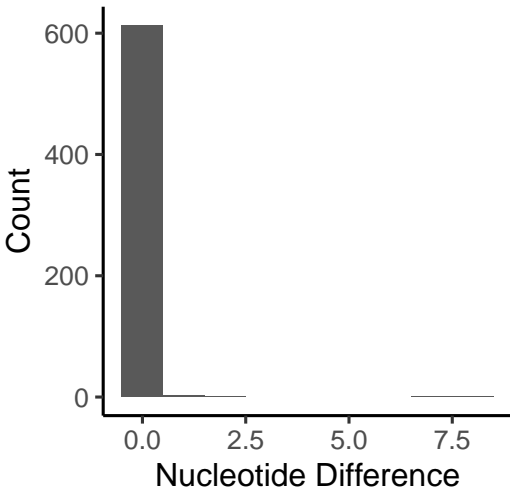
TRBV7-3*ap01

2631 sequences assigned
2609 (99.2%) exact matches, in which:
2593 unique CDR3
14 unique J



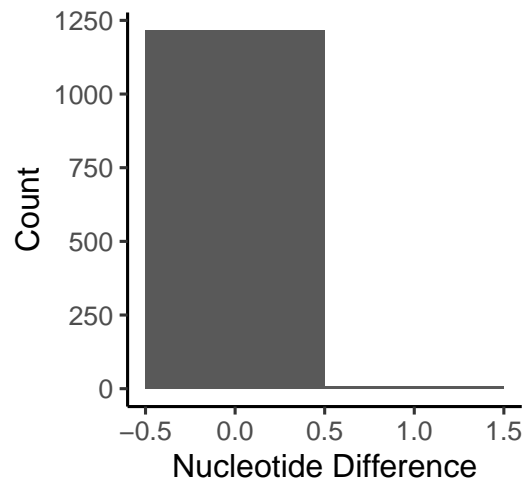
TRBV7-7*ap01_C315T

619 sequences assigned
613 (99%) exact matches, in which:
606 unique CDR3
14 unique J



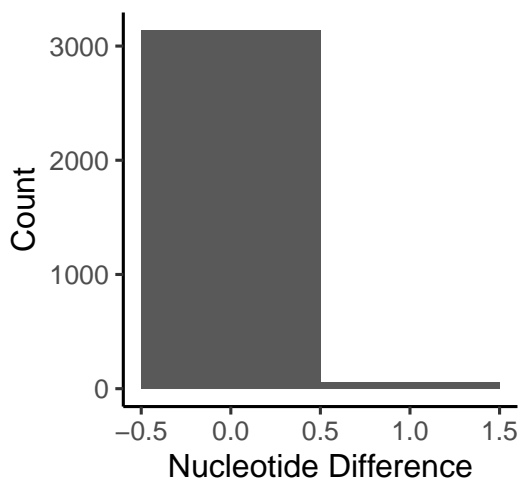
TRBV7-8*ap01

1223 sequences assigned
1216 (99.4%) exact matches, in which:
1200 unique CDR3
14 unique J



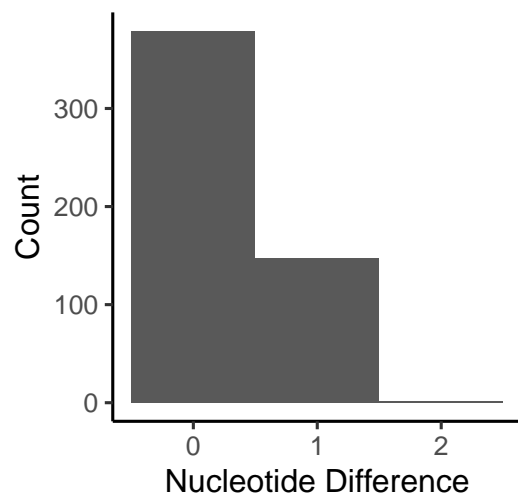
TRBV29-1*ap01

3191 sequences assigned
3137 (98.3%) exact matches, in which:
2986 unique CDR3
14 unique J



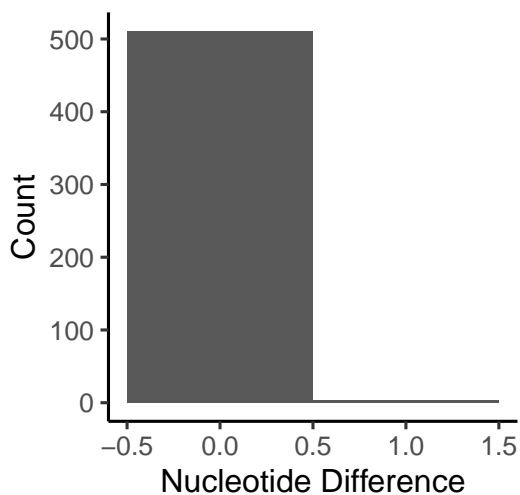
TRBV7-8*ap03

528 sequences assigned
379 (71.8%) exact matches, in which:
374 unique CDR3
14 unique J



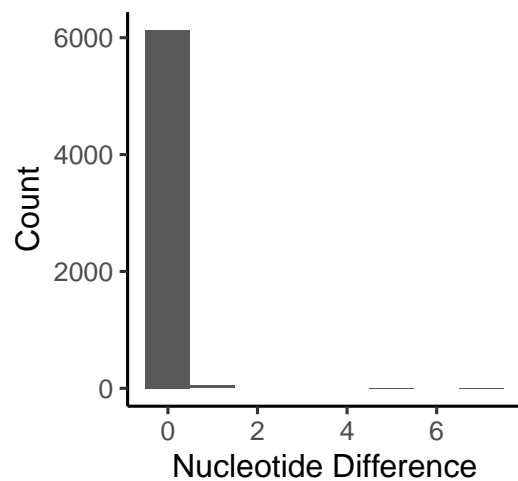
TRBV29-1*ap02

514 sequences assigned
511 (99.4%) exact matches, in which:
491 unique CDR3
14 unique J

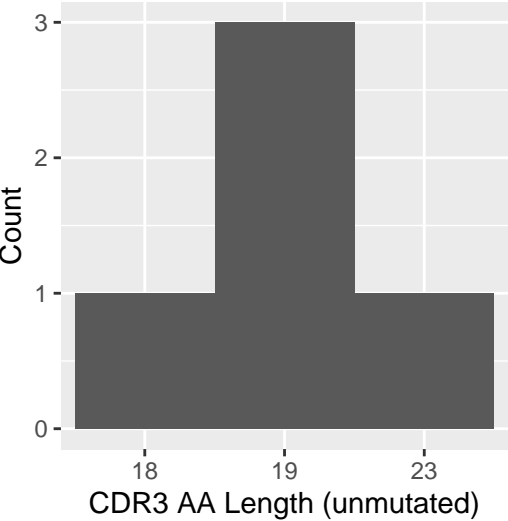


TRBV7-9*ap01

6182 sequences assigned
6131 (99.2%) exact matches, in which:
6054 unique CDR3
14 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

