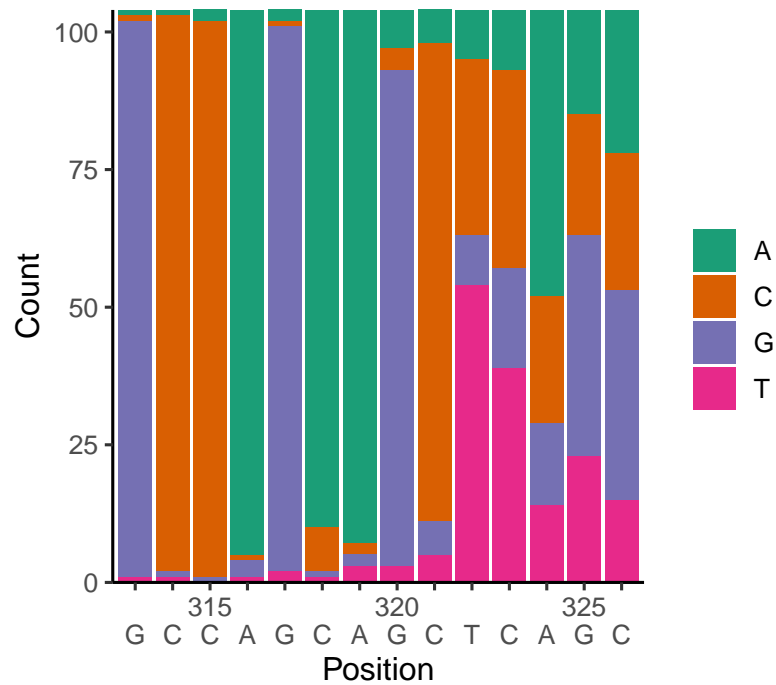
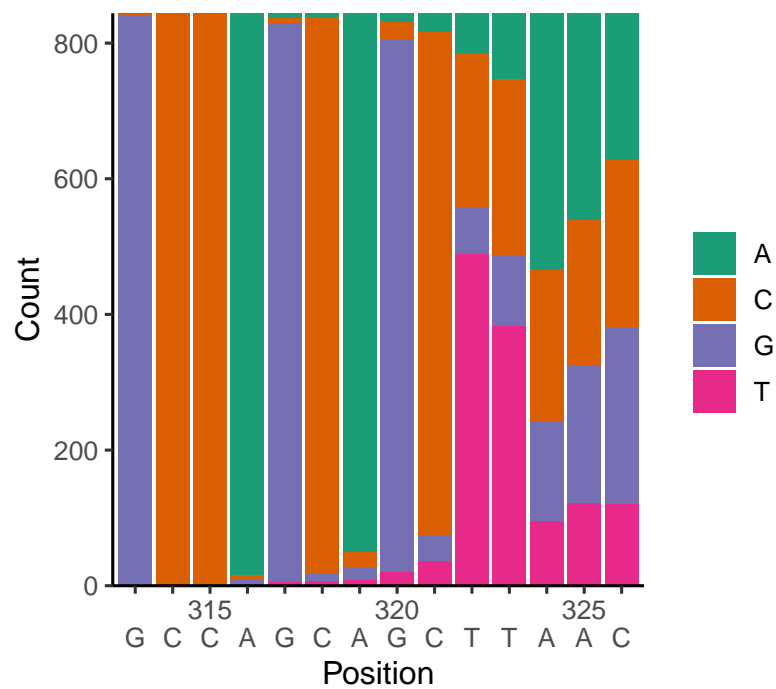


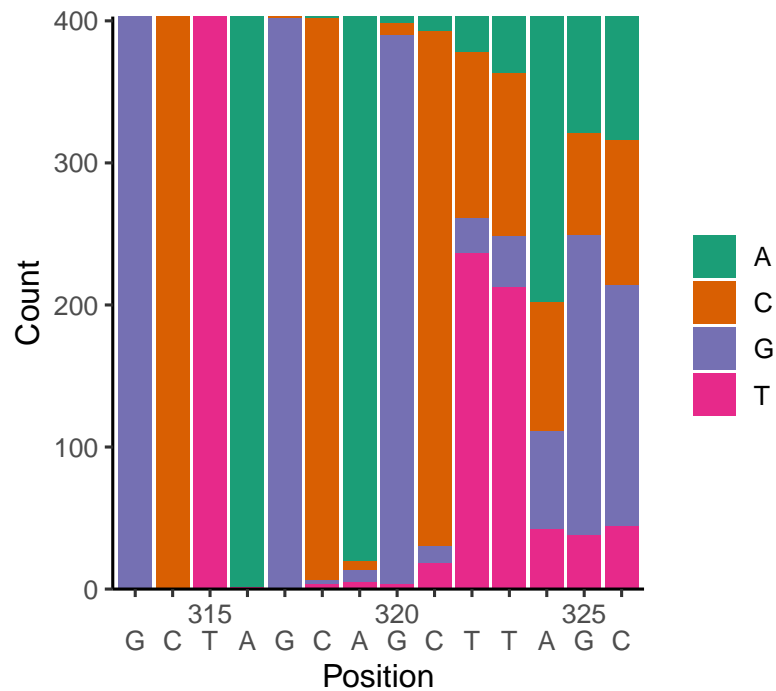
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-3*ap01_G292T



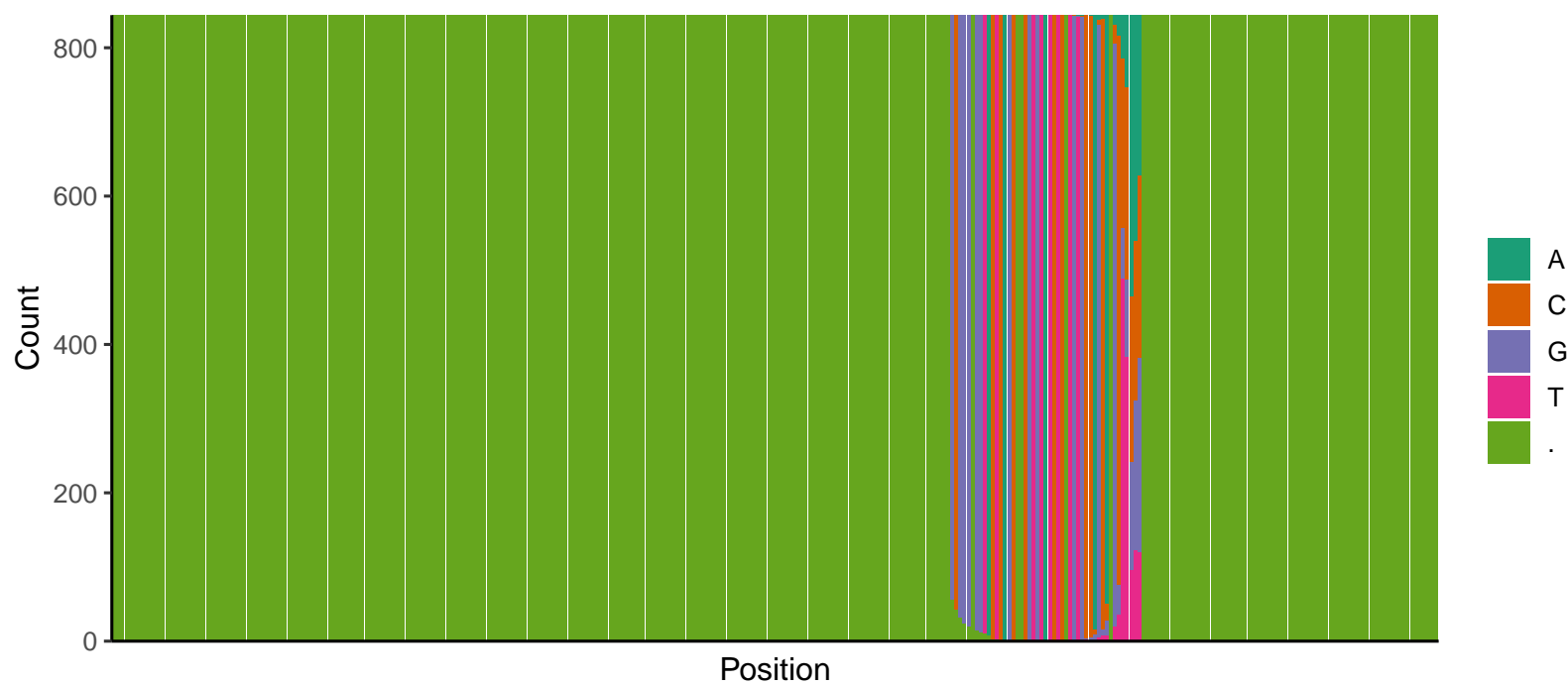
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C



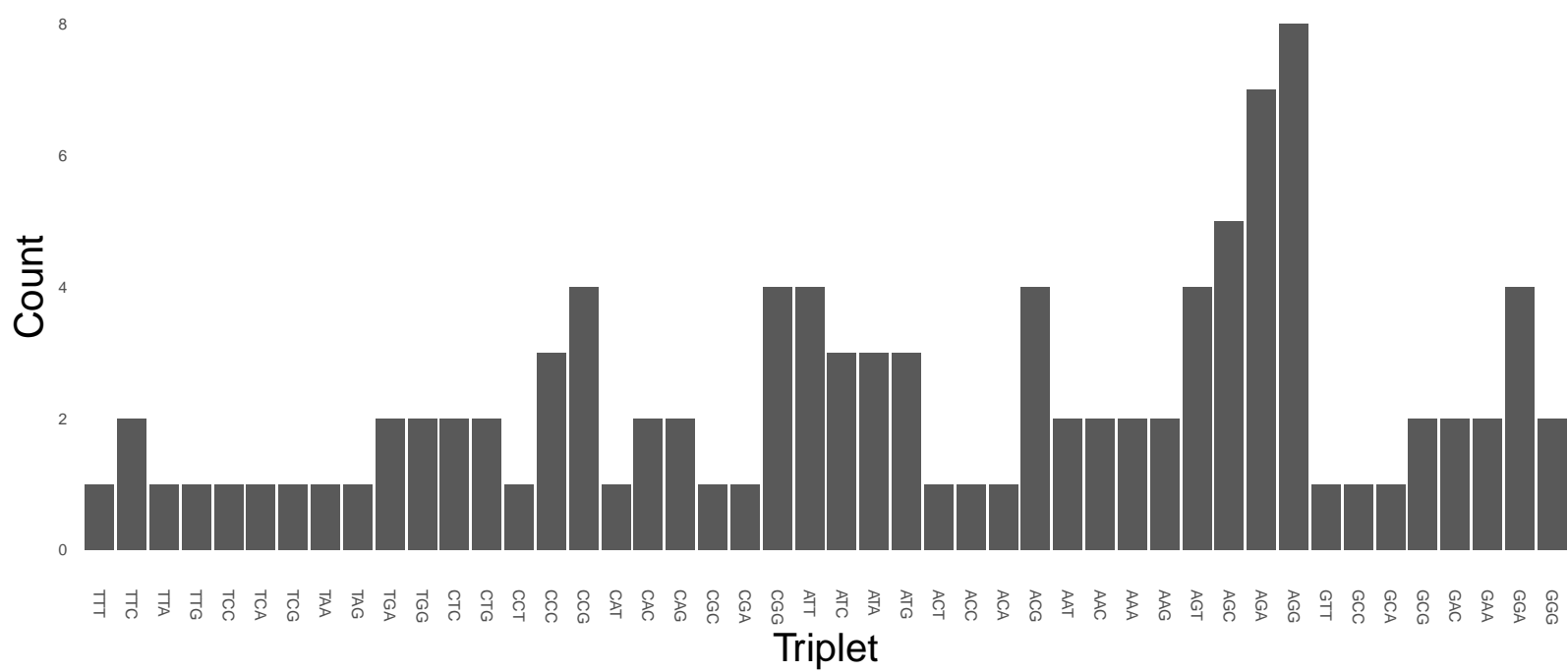
Gene TRBV7-3*ap01_G292T



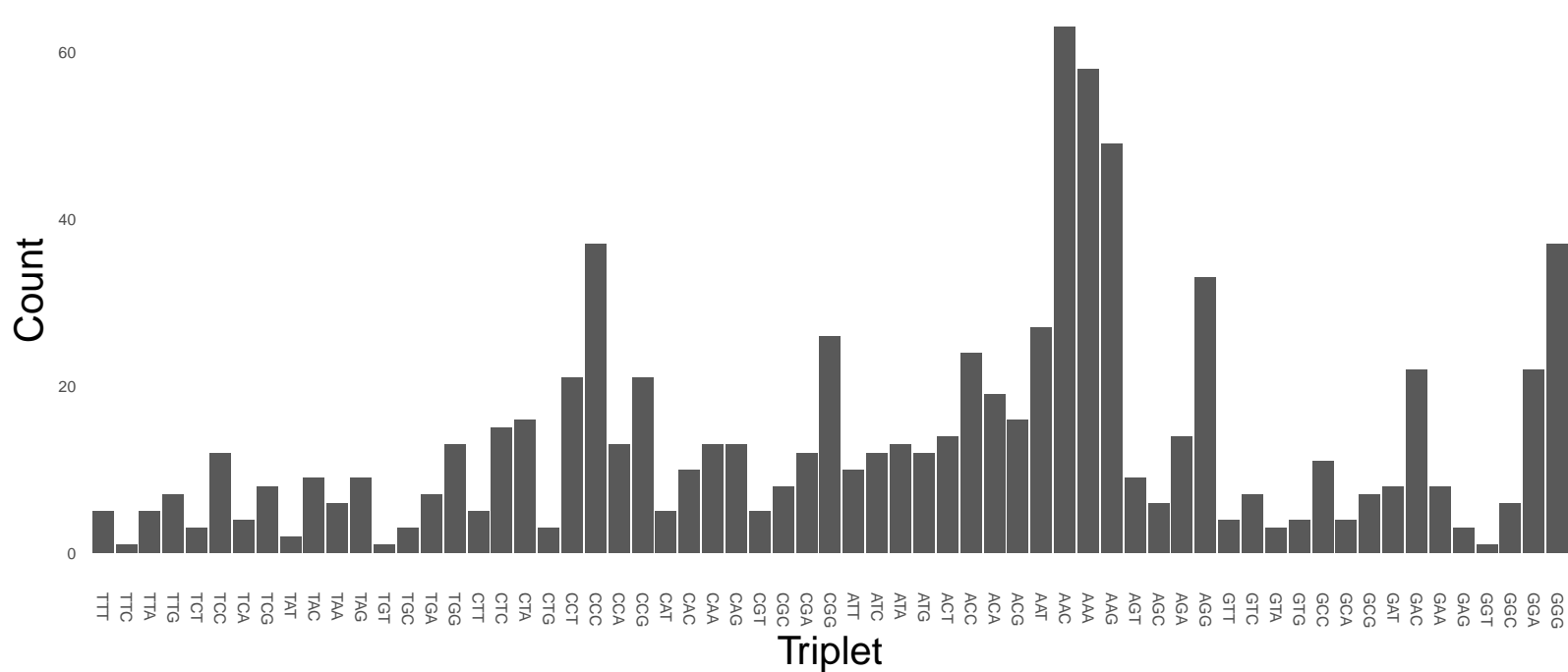
Gene TRBV7-7*ap01_C315T



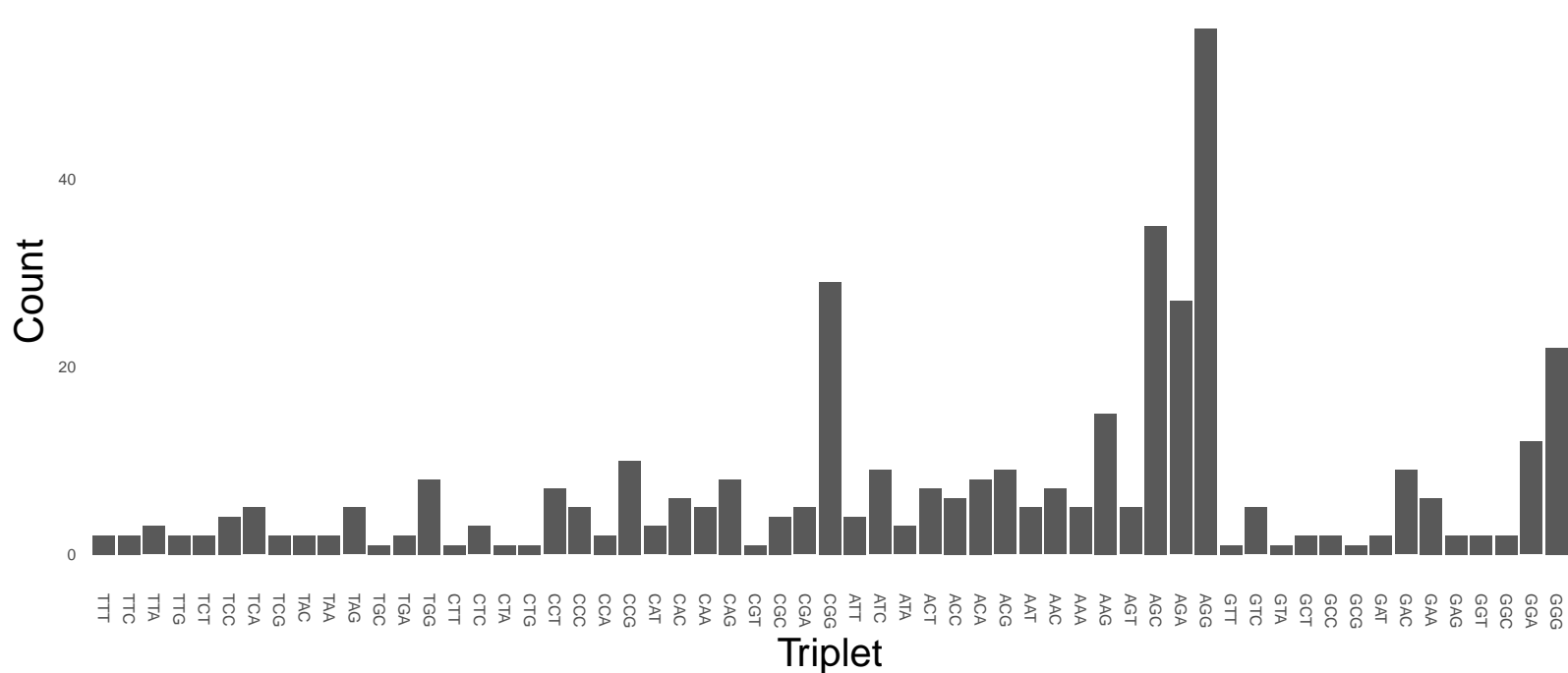
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

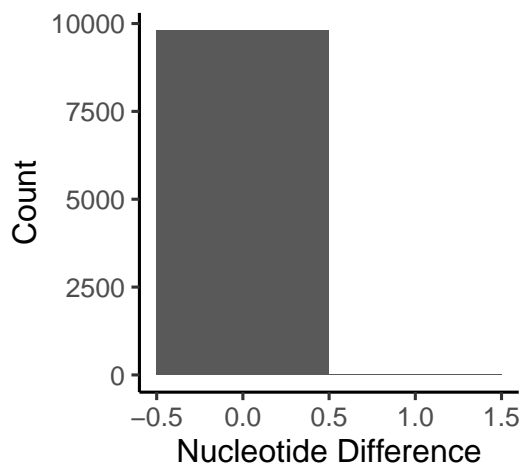


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



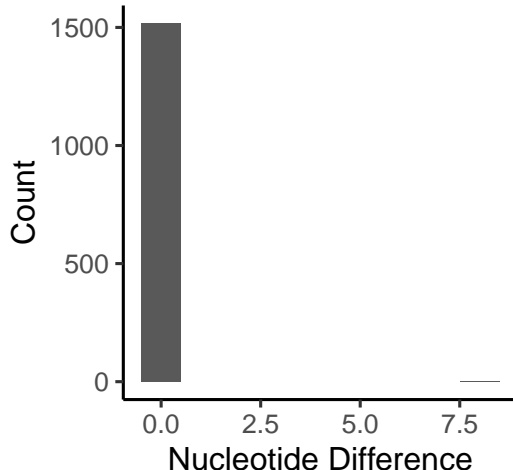
TRBV20-1*ap01

9831 sequences assigned
9812 (99.8%) exact matches, in which:
9801 unique CDR3
14 unique J



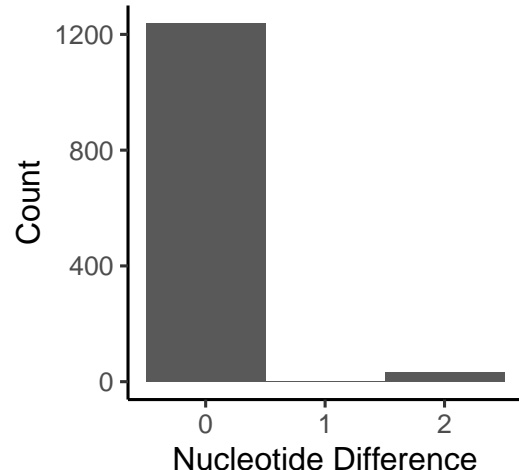
TRBV10-2*ap01

1518 sequences assigned
1517 (99.9%) exact matches, in which:
1517 unique CDR3
14 unique J



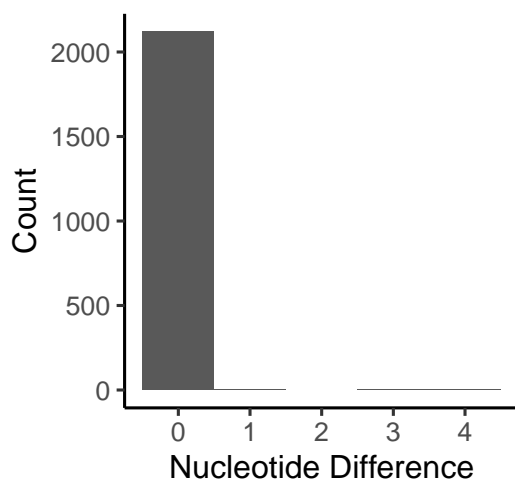
TRBV13*ap01

1273 sequences assigned
1238 (97.3%) exact matches, in which:
1234 unique CDR3
14 unique J



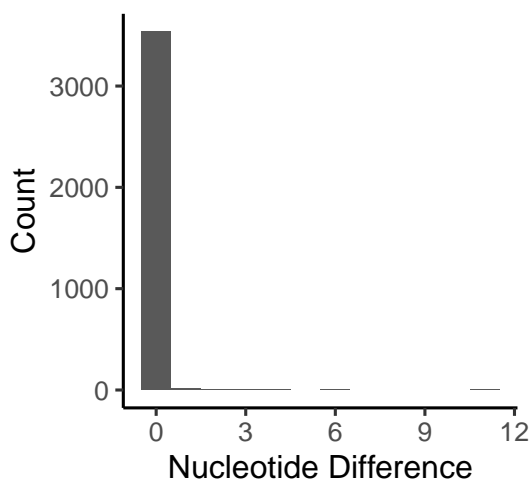
TRBV10-1*ap01

2125 sequences assigned
2120 (99.8%) exact matches, in which:
2120 unique CDR3
14 unique J



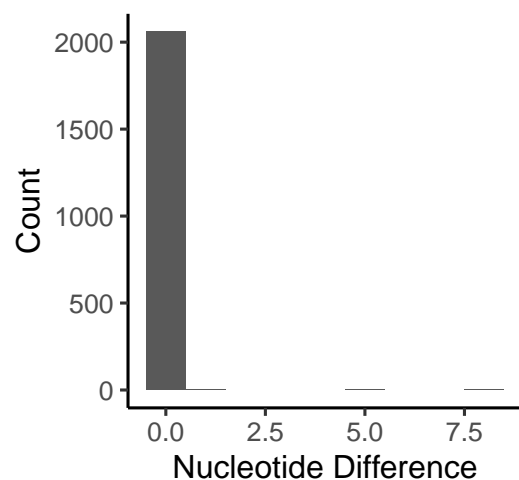
TRBV10-3*ap01

3554 sequences assigned
3536 (99.5%) exact matches, in which:
3535 unique CDR3
14 unique J



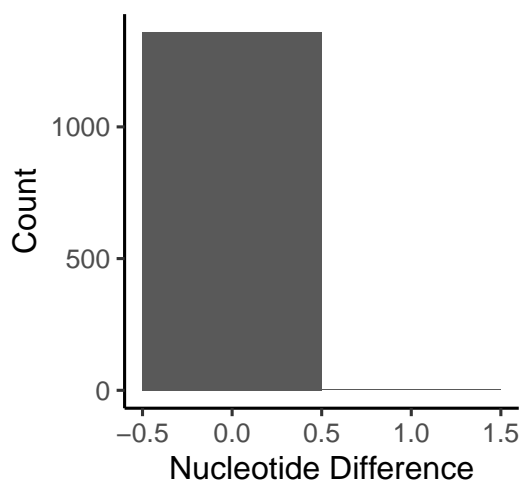
TRBV14*ap01

2064 sequences assigned
2060 (99.8%) exact matches, in which:
2060 unique CDR3
14 unique J



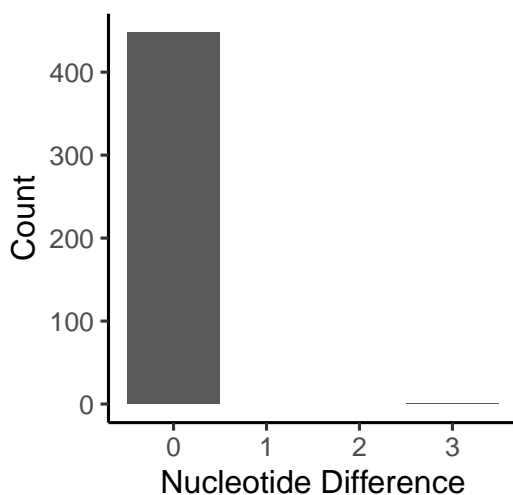
TRBV20-1*ap02

1363 sequences assigned
1360 (99.8%) exact matches, in which:
1360 unique CDR3
14 unique J



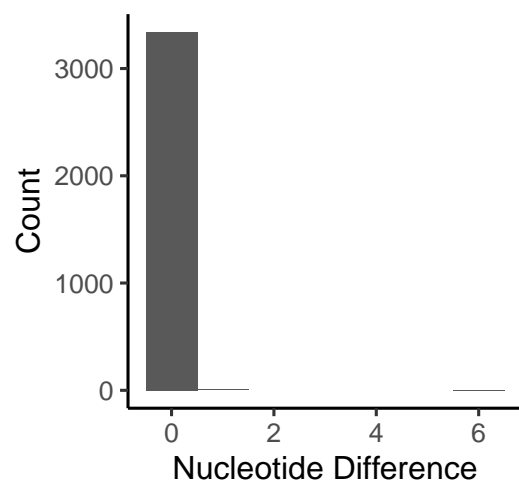
TRBV1*ap01

449 sequences assigned
448 (99.8%) exact matches, in which:
447 unique CDR3
14 unique J



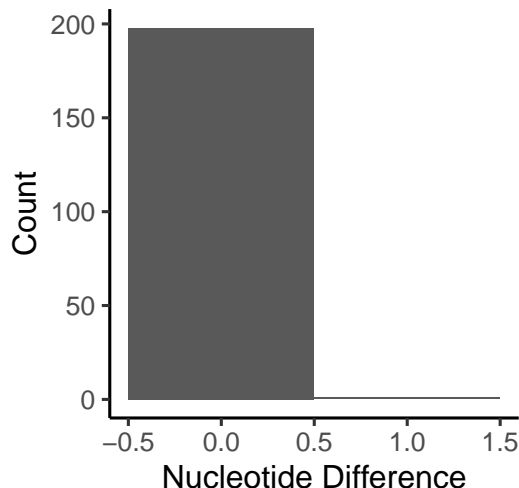
TRBV15*ap02

3349 sequences assigned
3340 (99.7%) exact matches, in which:
3337 unique CDR3
14 unique J



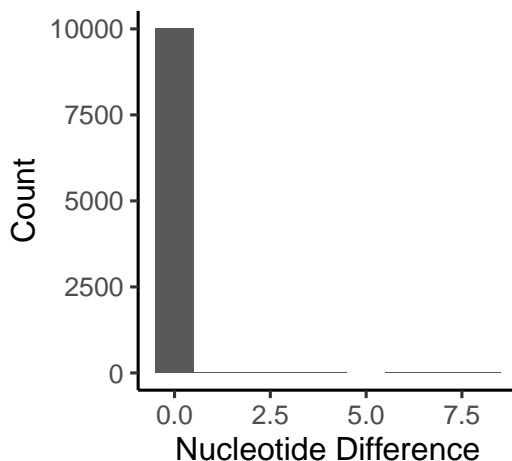
TRBV16*ap01

199 sequences assigned
198 (99.5%) exact matches, in which:
198 unique CDR3
14 unique J



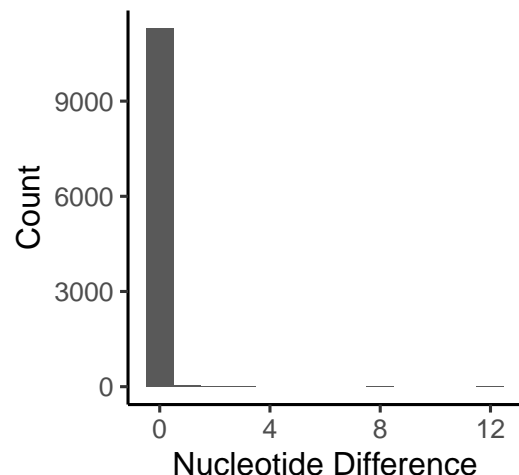
TRBV19*ap01

10044 sequences assigned
10021 (99.8%) exact matches, in which:
10020 unique CDR3
14 unique J



TRBV27*ap01

11332 sequences assigned
11292 (99.6%) exact matches, in which:
11276 unique CDR3
14 unique J



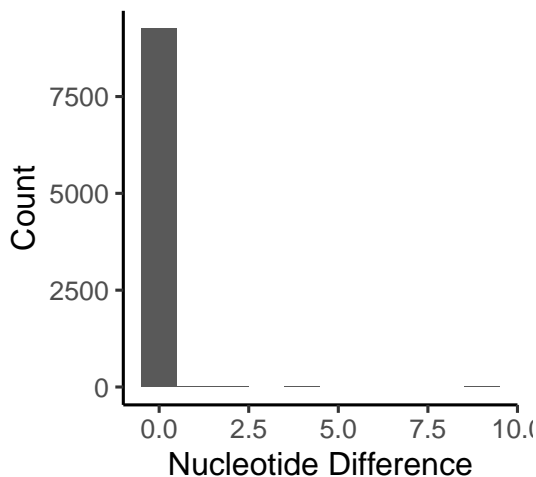
TRBV17*ap01

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



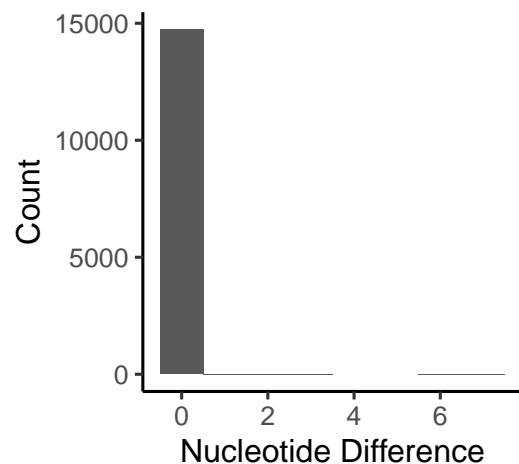
TRBV2*ap01

9275 sequences assigned
9251 (99.7%) exact matches, in which:
9237 unique CDR3
14 unique J



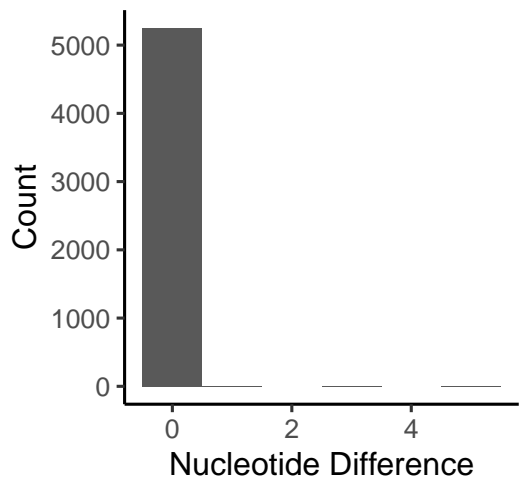
TRBV28*ap01

14755 sequences assigned
14735 (99.9%) exact matches, in which:
14730 unique CDR3
14 unique J



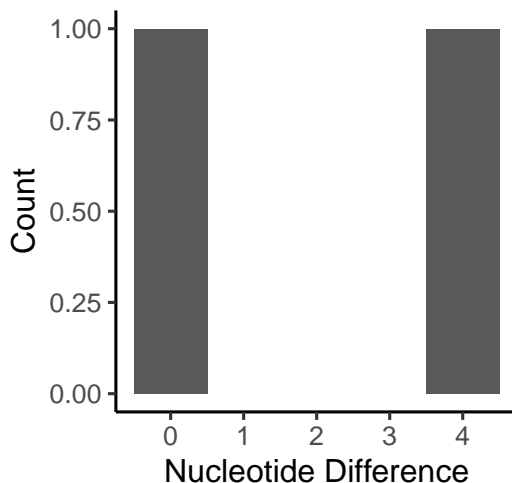
TRBV18*ap01

5258 sequences assigned
5250 (99.8%) exact matches, in which:
5249 unique CDR3
14 unique J



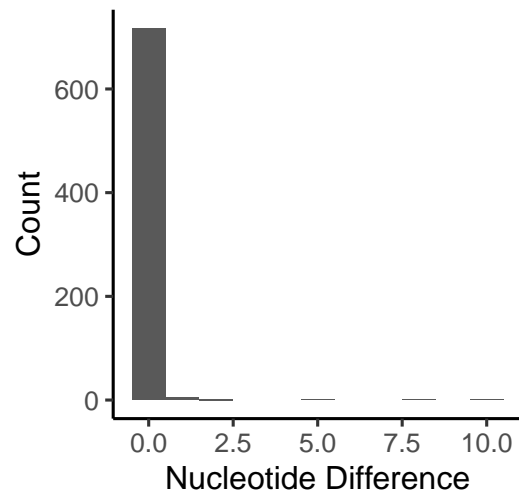
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



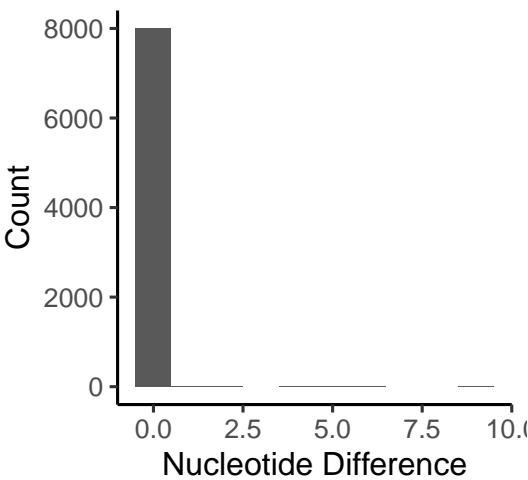
TRBV30*ap02

727 sequences assigned
717 (98.6%) exact matches, in which:
716 unique CDR3
14 unique J



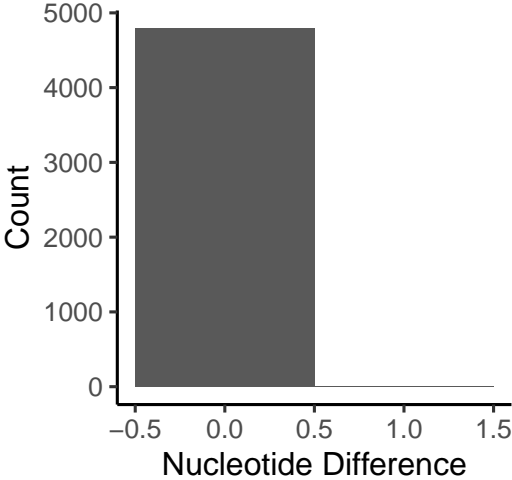
TRBV9*ap01

8012 sequences assigned
8001 (99.9%) exact matches, in which:
8000 unique CDR3
14 unique J



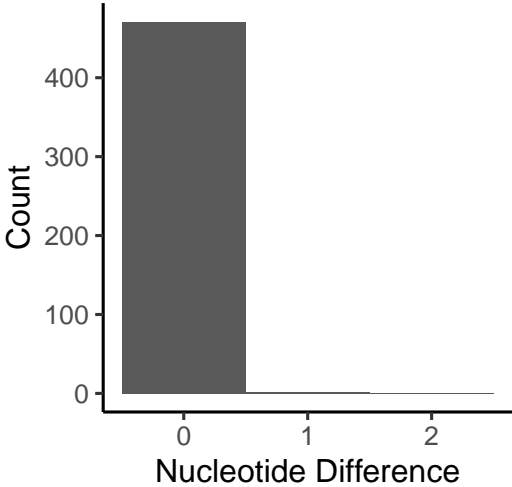
TRBV11-2*ap01

4793 sequences assigned
4792 (100%) exact matches, in which:
4791 unique CDR3
14 unique J



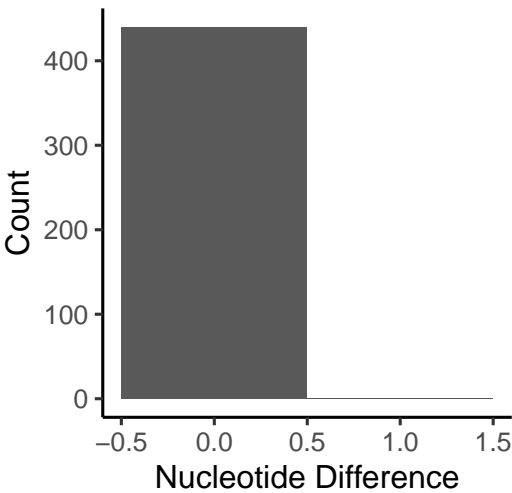
TRBV12-2*ap01

474 sequences assigned
471 (99.4%) exact matches, in which:
471 unique CDR3
14 unique J



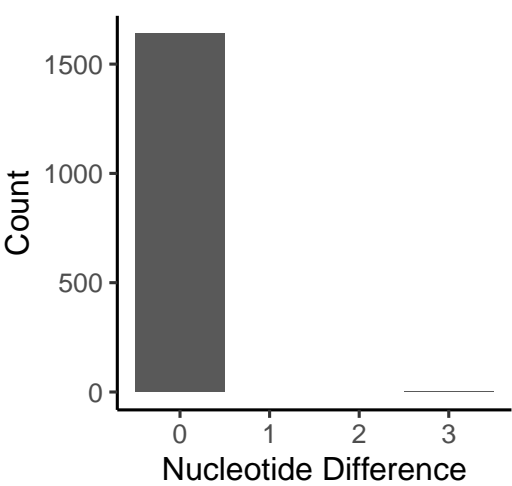
TRBV11-1*ap01

441 sequences assigned
440 (99.8%) exact matches, in which:
440 unique CDR3
14 unique J



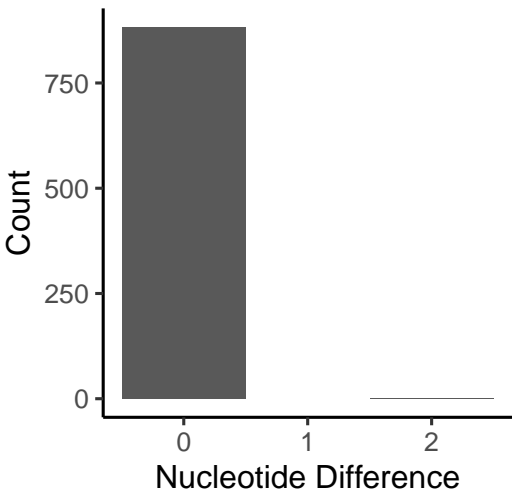
TRBV11-3*ap01

1641 sequences assigned
1639 (99.9%) exact matches, in which:
1639 unique CDR3
14 unique J



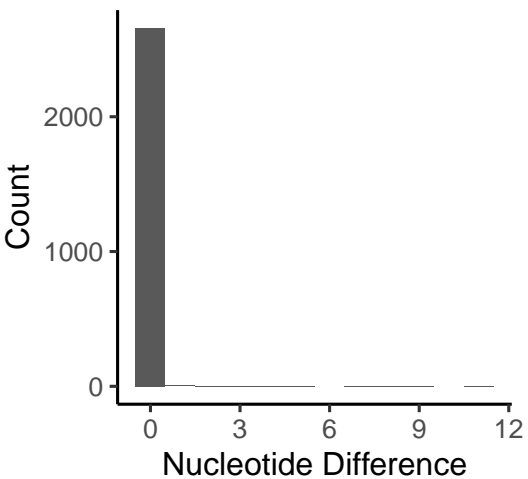
TRBV12-5*ap01

885 sequences assigned
883 (99.8%) exact matches, in which:
883 unique CDR3
14 unique J



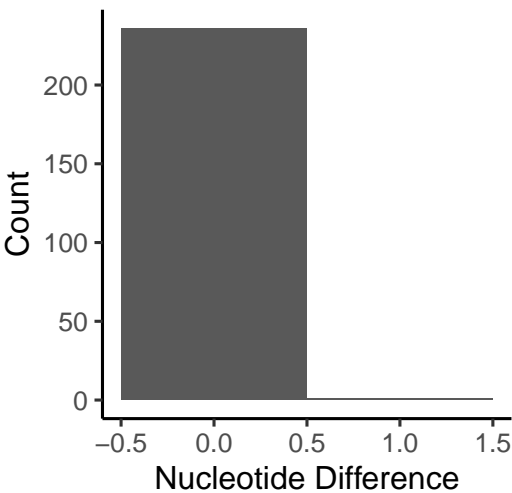
TRBV21-1*ap01

2678 sequences assigned
2658 (99.3%) exact matches, in which:
2658 unique CDR3
14 unique J



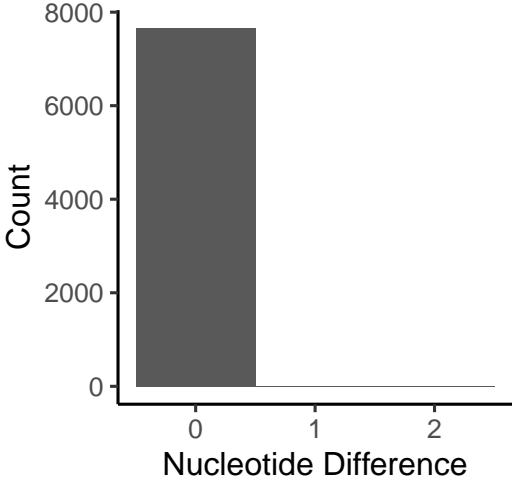
TRBV12-1*ap01

237 sequences assigned
236 (99.6%) exact matches, in which:
236 unique CDR3
14 unique J



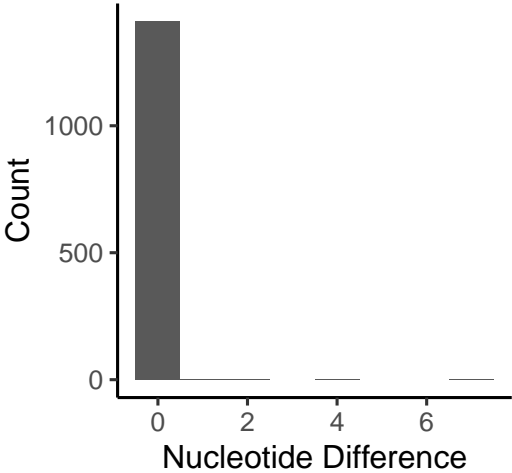
TRBV12-34*ap01

7670 sequences assigned
7660 (99.9%) exact matches, in which:
7658 unique CDR3
14 unique J



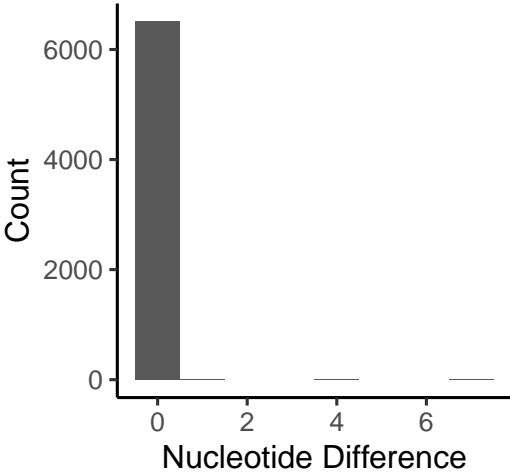
TRBV23-1*ap01

1416 sequences assigned
1411 (99.6%) exact matches, in which:
1410 unique CDR3
14 unique J



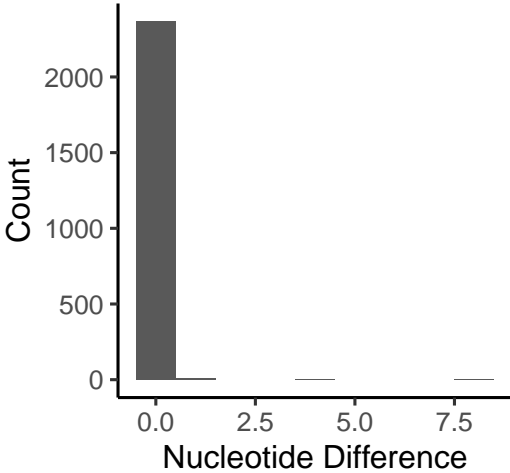
TRBV4-1*ap01

6520 sequences assigned
6510 (99.8%) exact matches, in which:
6509 unique CDR3
14 unique J



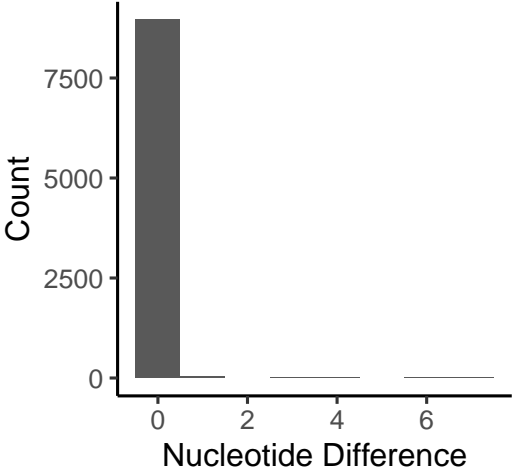
TRBV25-1*ap01

2381 sequences assigned
2367 (99.4%) exact matches, in which:
2365 unique CDR3
14 unique J



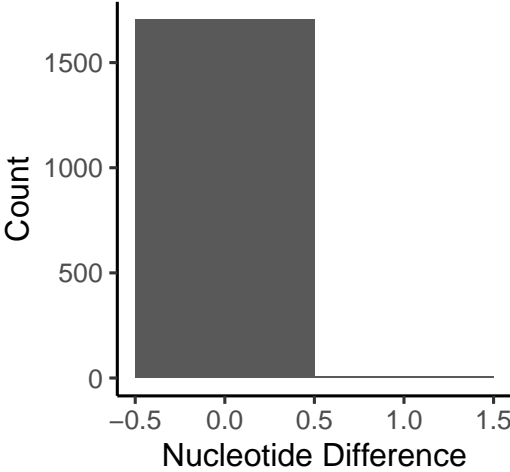
TRBV3-12*ap01

8996 sequences assigned
8957 (99.6%) exact matches, in which:
8942 unique CDR3
14 unique J



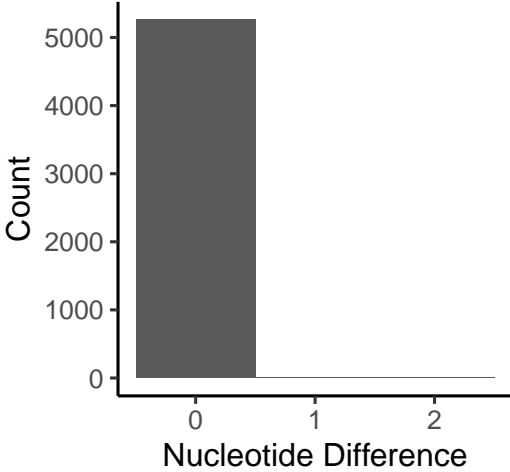
TRBV4-2*ap01

1712 sequences assigned
1704 (99.5%) exact matches, in which:
1704 unique CDR3
14 unique J



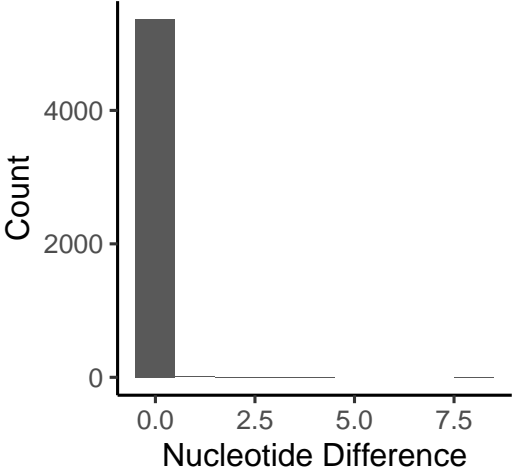
TRBV5-1*ap01

5269 sequences assigned
5261 (99.8%) exact matches, in which:
5261 unique CDR3
14 unique J



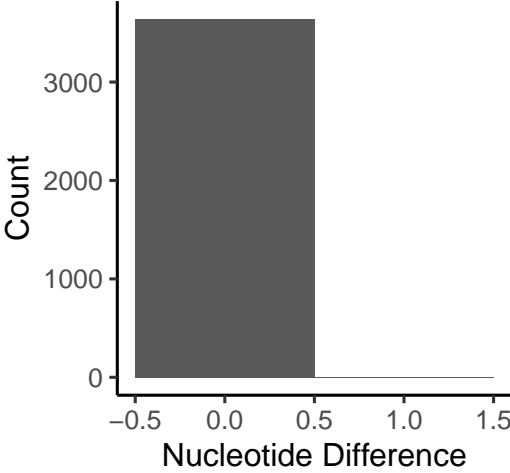
TRBV24-1*ap01

5389 sequences assigned
5369 (99.6%) exact matches, in which:
5359 unique CDR3
14 unique J



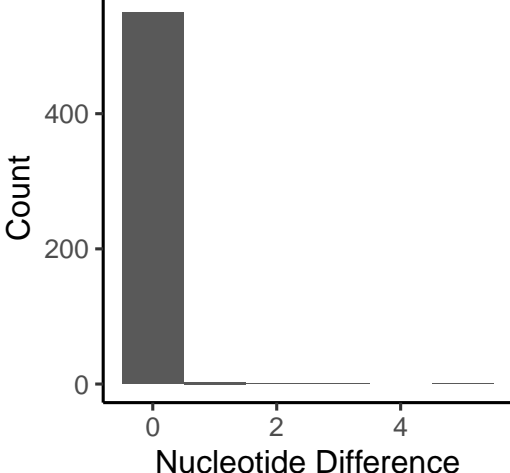
TRBV4-3*ap01

3646 sequences assigned
3640 (99.8%) exact matches, in which:
3639 unique CDR3
14 unique J



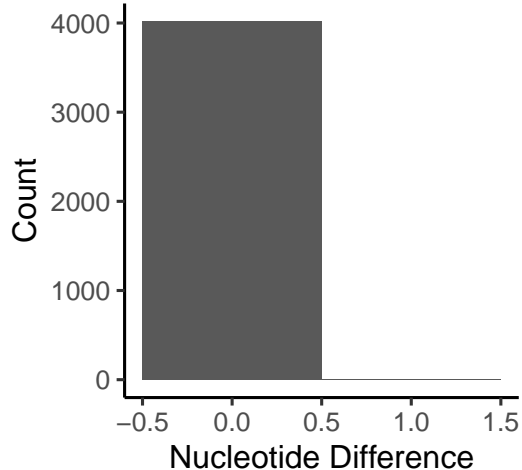
TRBV5-3*ap01

556 sequences assigned
550 (98.9%) exact matches, in which:
550 unique CDR3
14 unique J



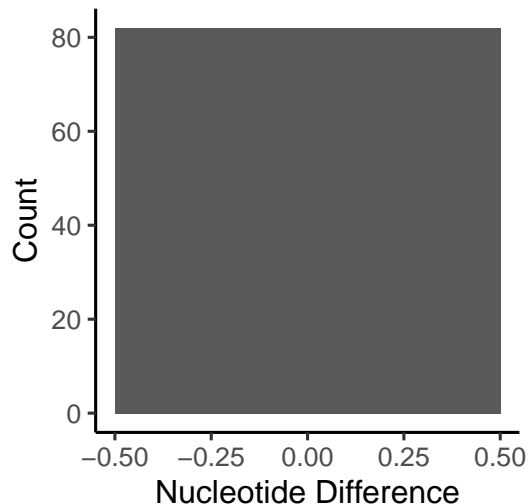
TRBV5-4*ap01

4021 sequences assigned
4018 (99.9%) exact matches, in which:
4016 unique CDR3
14 unique J



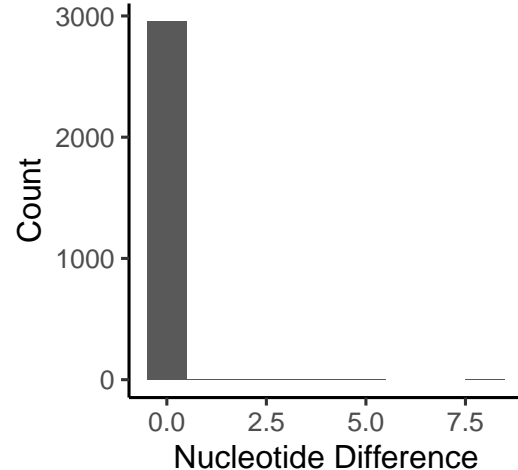
TRBV5-7*ap01

82 sequences assigned
82 (100%) exact matches, in which:
82 unique CDR3
13 unique J



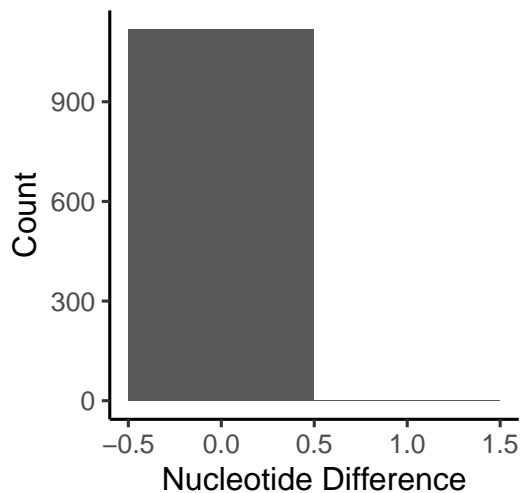
TRBV6-4*ap01

2964 sequences assigned
2955 (99.7%) exact matches, in which:
2955 unique CDR3
14 unique J



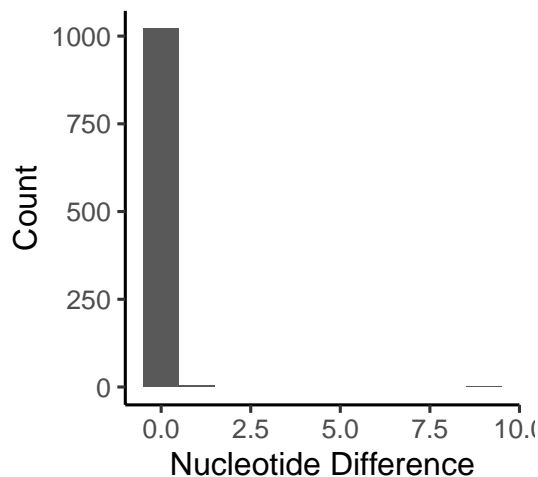
TRBV5-5*ap01

1121 sequences assigned
1119 (99.8%) exact matches, in which:
1118 unique CDR3
14 unique J



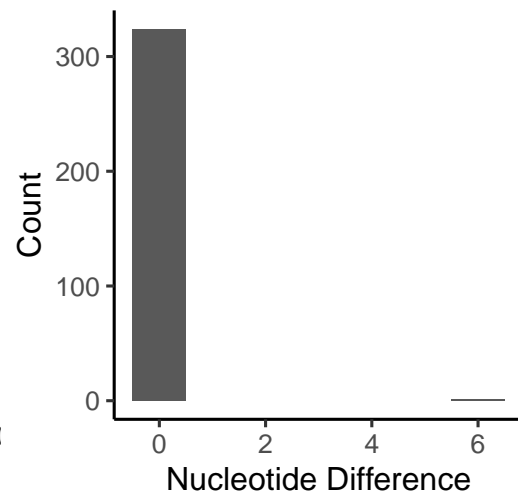
TRBV5-8*ap01

1025 sequences assigned
1021 (99.6%) exact matches, in which:
1021 unique CDR3
14 unique J



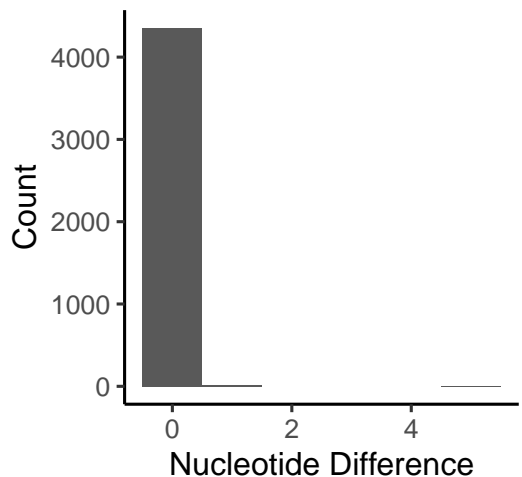
TRBV6-7*ap01

325 sequences assigned
324 (99.7%) exact matches, in which:
324 unique CDR3
14 unique J



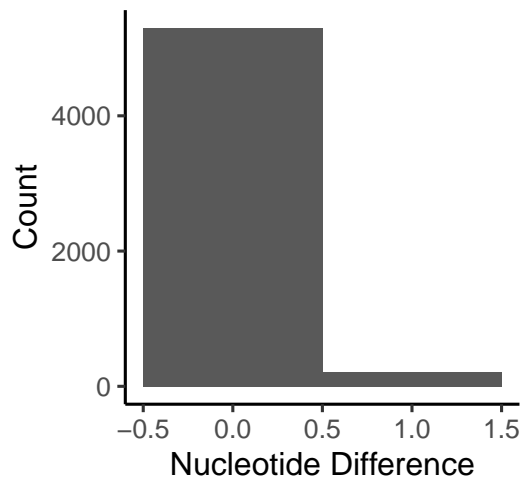
TRBV5-6*ap01

4368 sequences assigned
4353 (99.7%) exact matches, in which:
4349 unique CDR3
14 unique J



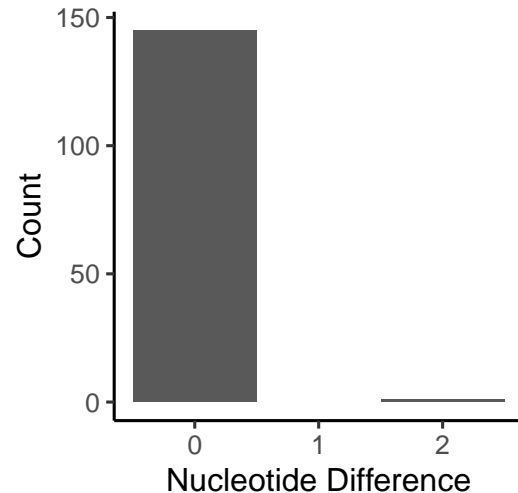
TRBV6-1*ap01

5510 sequences assigned
5298 (96.2%) exact matches, in which:
5291 unique CDR3
14 unique J



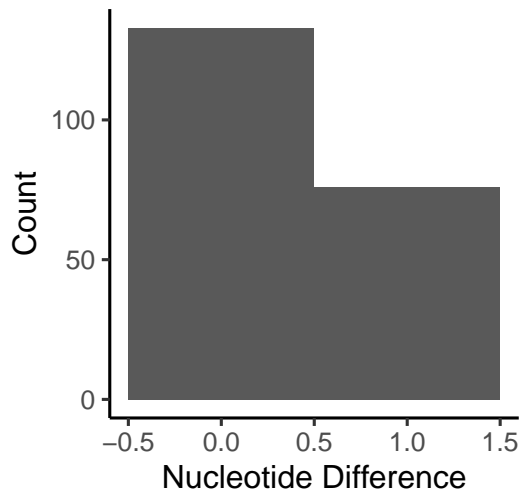
TRBV6-8*ap01

146 sequences assigned
145 (99.3%) exact matches, in which:
145 unique CDR3
14 unique J



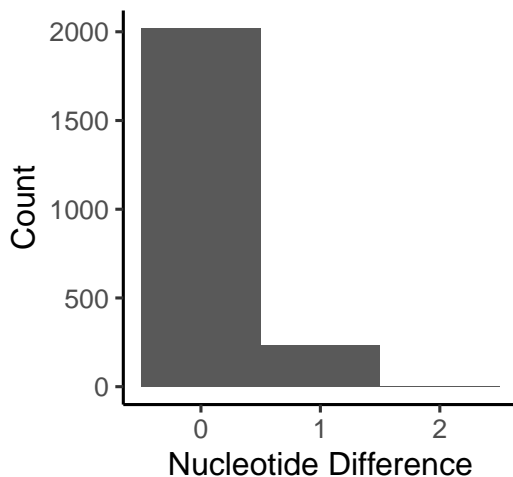
TRBV6-9*ap01

209 sequences assigned
133 (63.6%) exact matches, in which:
132 unique CDR3
14 unique J



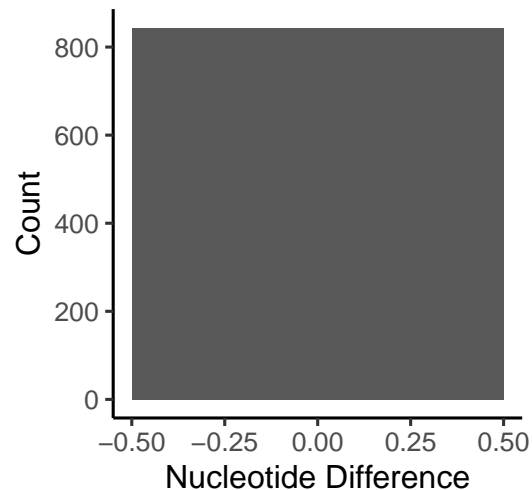
TRBV6-56*ap02

2252 sequences assigned
2019 (89.7%) exact matches, in which:
2017 unique CDR3
14 unique J



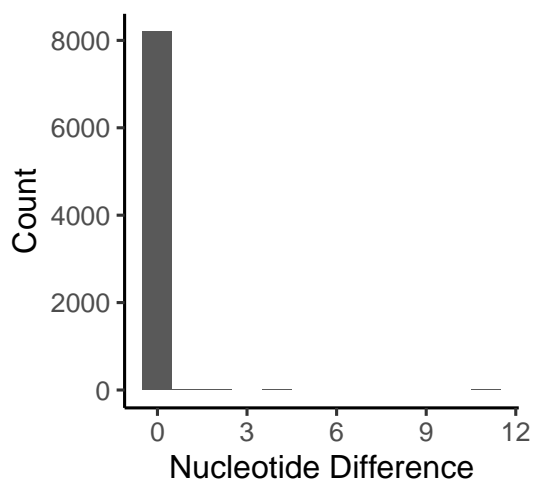
TRBV7-3*ap01_G292T

844 sequences assigned
844 (100%) exact matches, in which:
844 unique CDR3
13 unique J



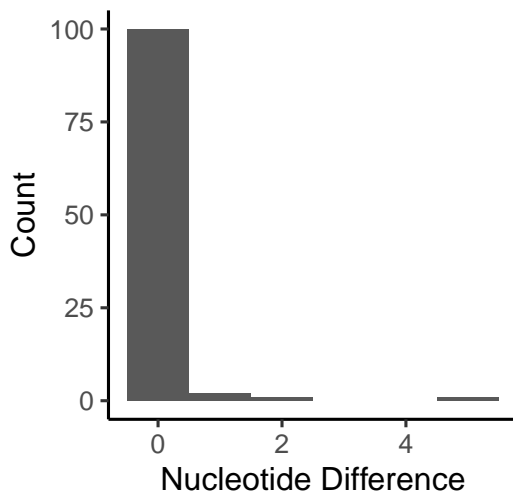
TRBV6-23*ap01

8222 sequences assigned
8198 (99.7%) exact matches, in which:
8187 unique CDR3
14 unique J



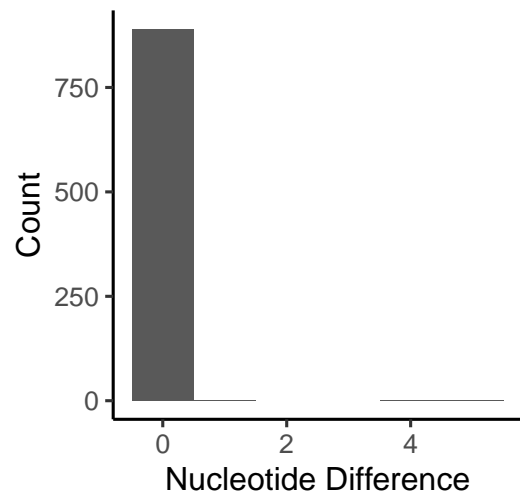
TRBV7-1*ap01_G291C_

104 sequences assigned
100 (96.2%) exact matches, in which:
100 unique CDR3
14 unique J



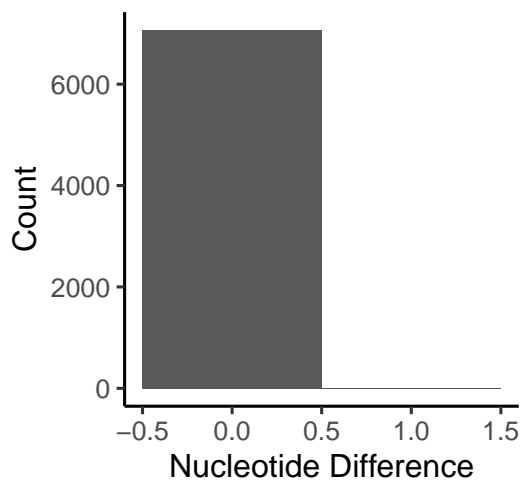
TRBV7-3*ap02

895 sequences assigned
890 (99.4%) exact matches, in which:
890 unique CDR3
14 unique J



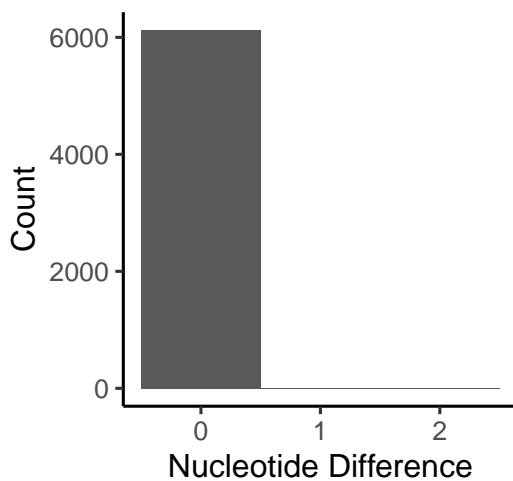
TRBV6-56*ap01

7077 sequences assigned
7068 (99.9%) exact matches, in which:
7061 unique CDR3
14 unique J



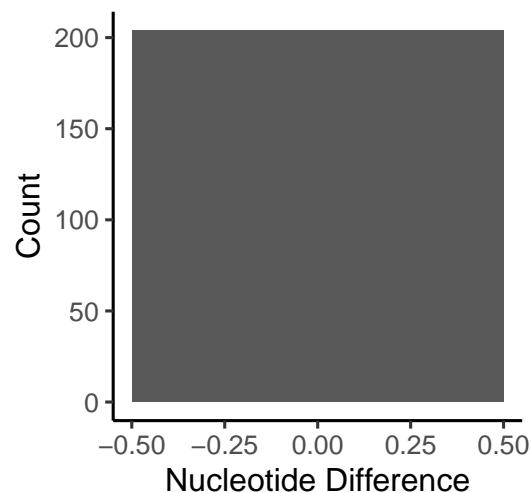
TRBV7-2*ap01

6134 sequences assigned
6125 (99.9%) exact matches, in which:
6125 unique CDR3
14 unique J



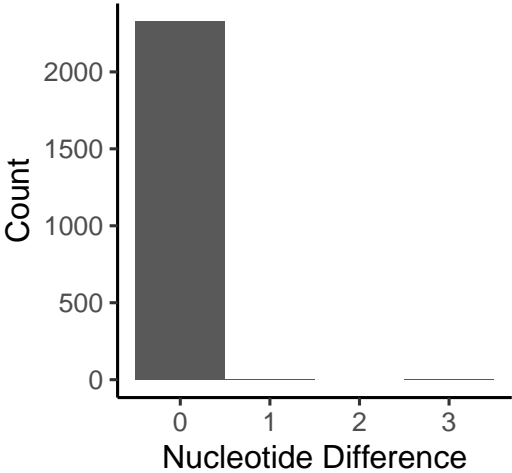
TRBV7-4*ap01

204 sequences assigned
204 (100%) exact matches, in which:
204 unique CDR3
14 unique J



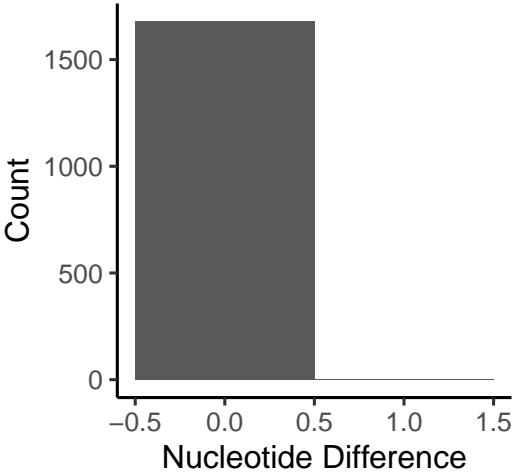
TRBV7-6*ap01

2332 sequences assigned
2328 (99.8%) exact matches, in which:
2327 unique CDR3
14 unique J



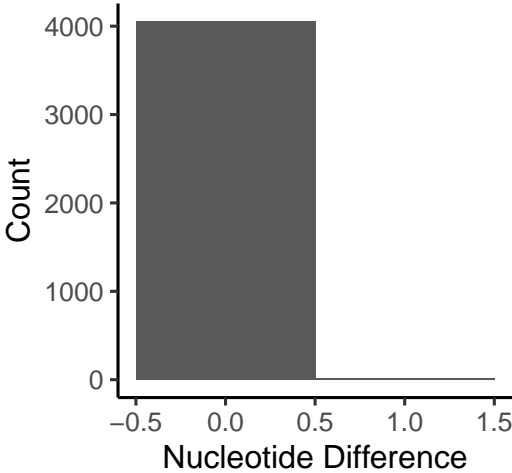
TRBV7-8*ap01

1680 sequences assigned
1679 (99.9%) exact matches, in which:
1679 unique CDR3
14 unique J



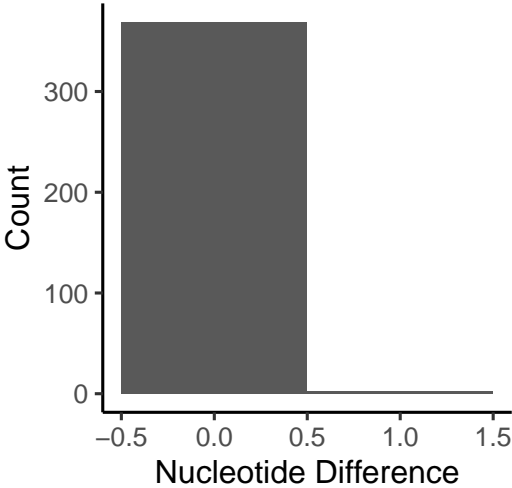
TRBV29-1*ap01

4069 sequences assigned
4054 (99.6%) exact matches, in which:
4041 unique CDR3
14 unique J



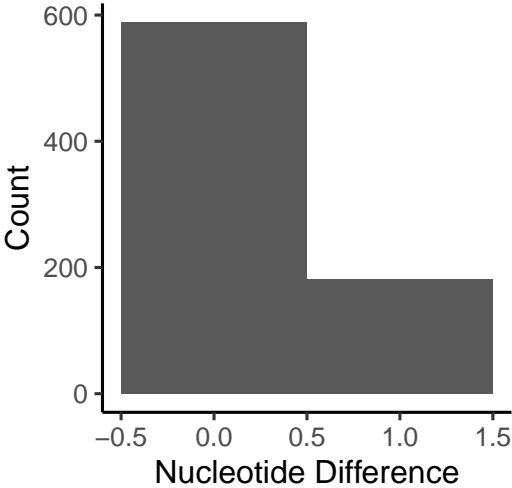
TRBV7-7*ap01

371 sequences assigned
369 (99.5%) exact matches, in which:
369 unique CDR3
13 unique J



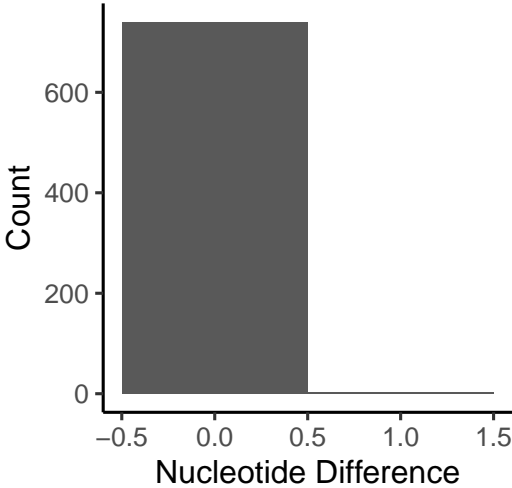
TRBV7-8*ap03

771 sequences assigned
589 (76.4%) exact matches, in which:
589 unique CDR3
14 unique J



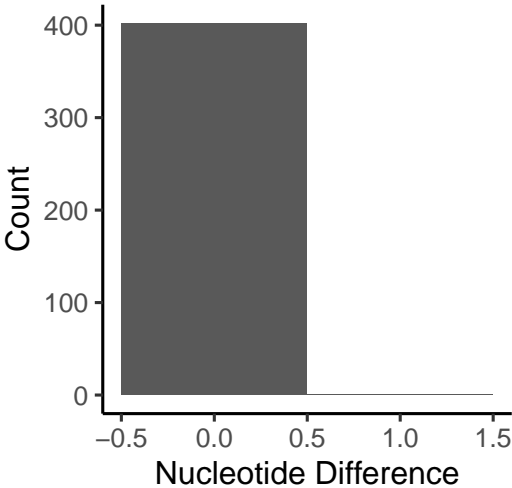
TRBV29-1*ap02

743 sequences assigned
740 (99.6%) exact matches, in which:
737 unique CDR3
14 unique J



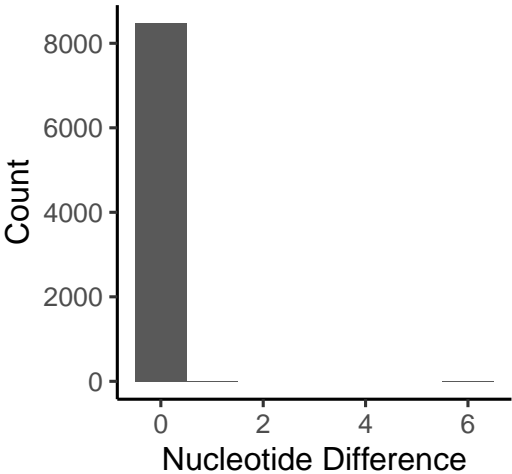
TRBV7-7*ap01_C315T

403 sequences assigned
402 (99.8%) exact matches, in which:
402 unique CDR3
14 unique J

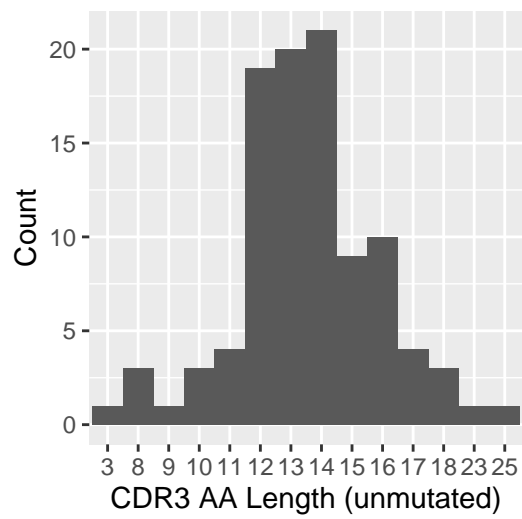


TRBV7-9*ap01

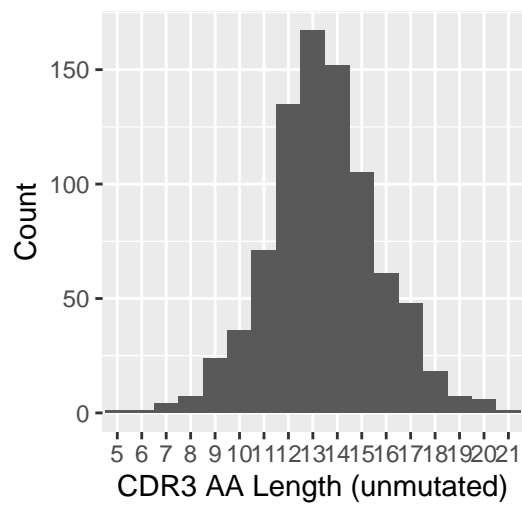
8488 sequences assigned
8479 (99.9%) exact matches, in which:
8479 unique CDR3
14 unique J



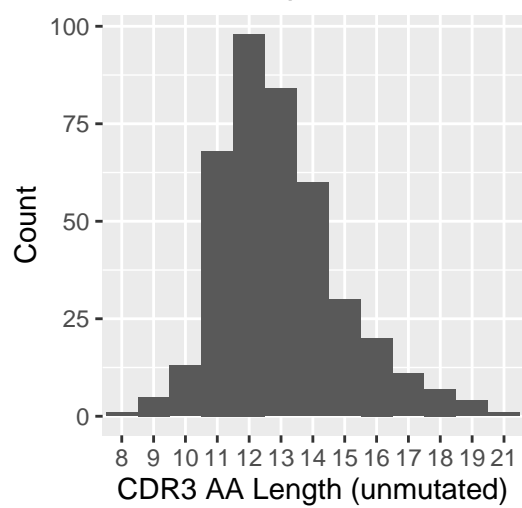
TRBV7-1*ap01_G291C_T296C

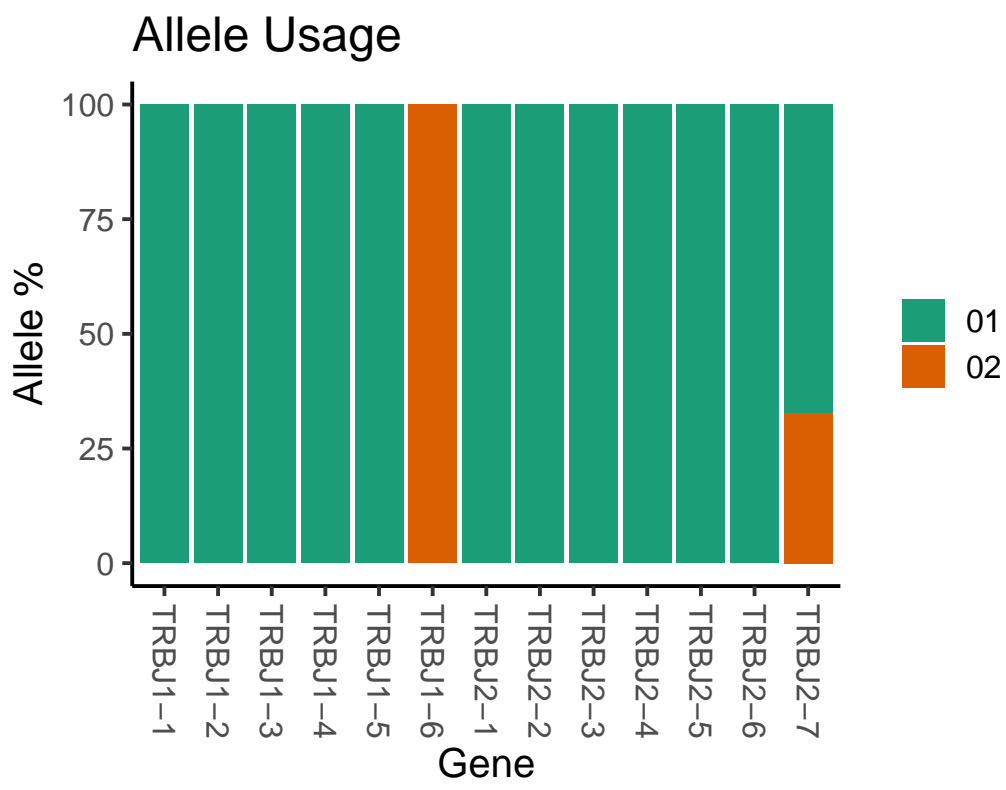


TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage

