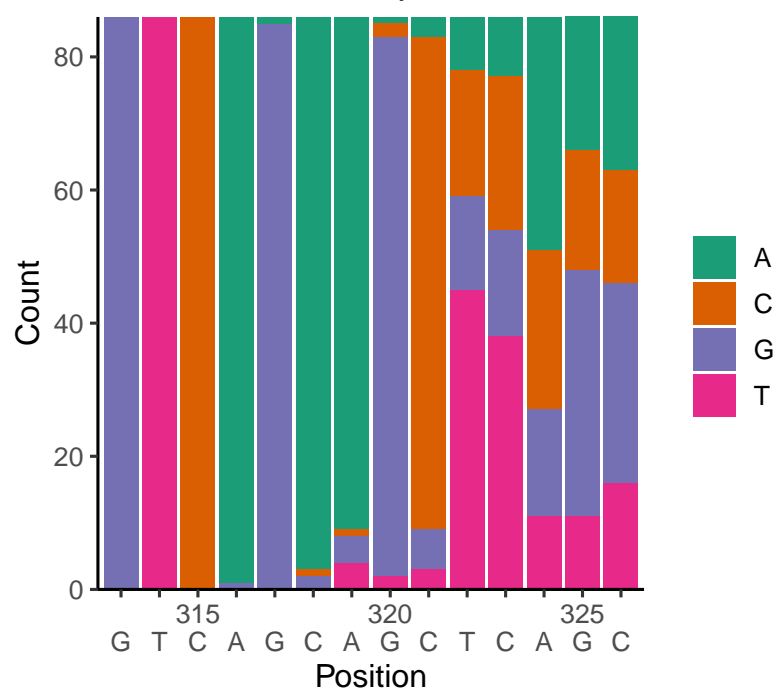
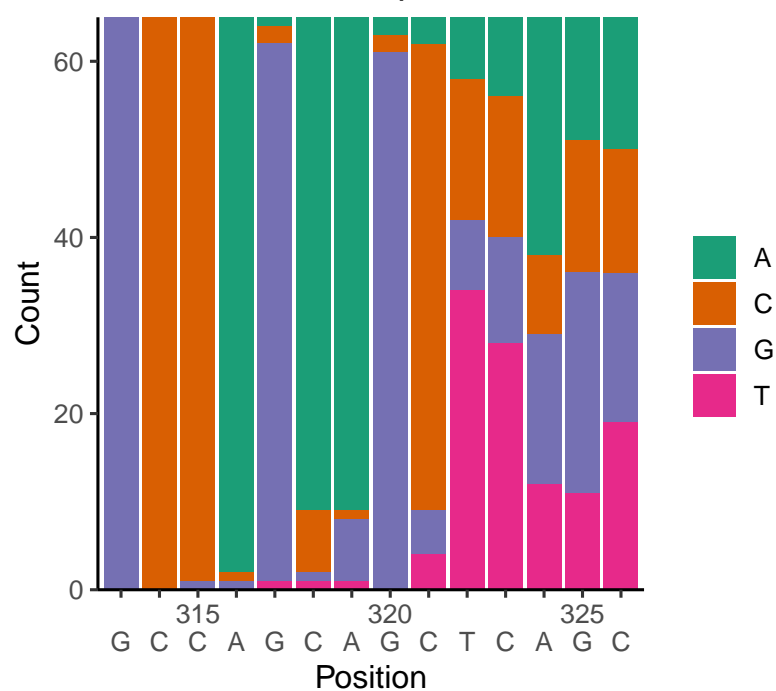


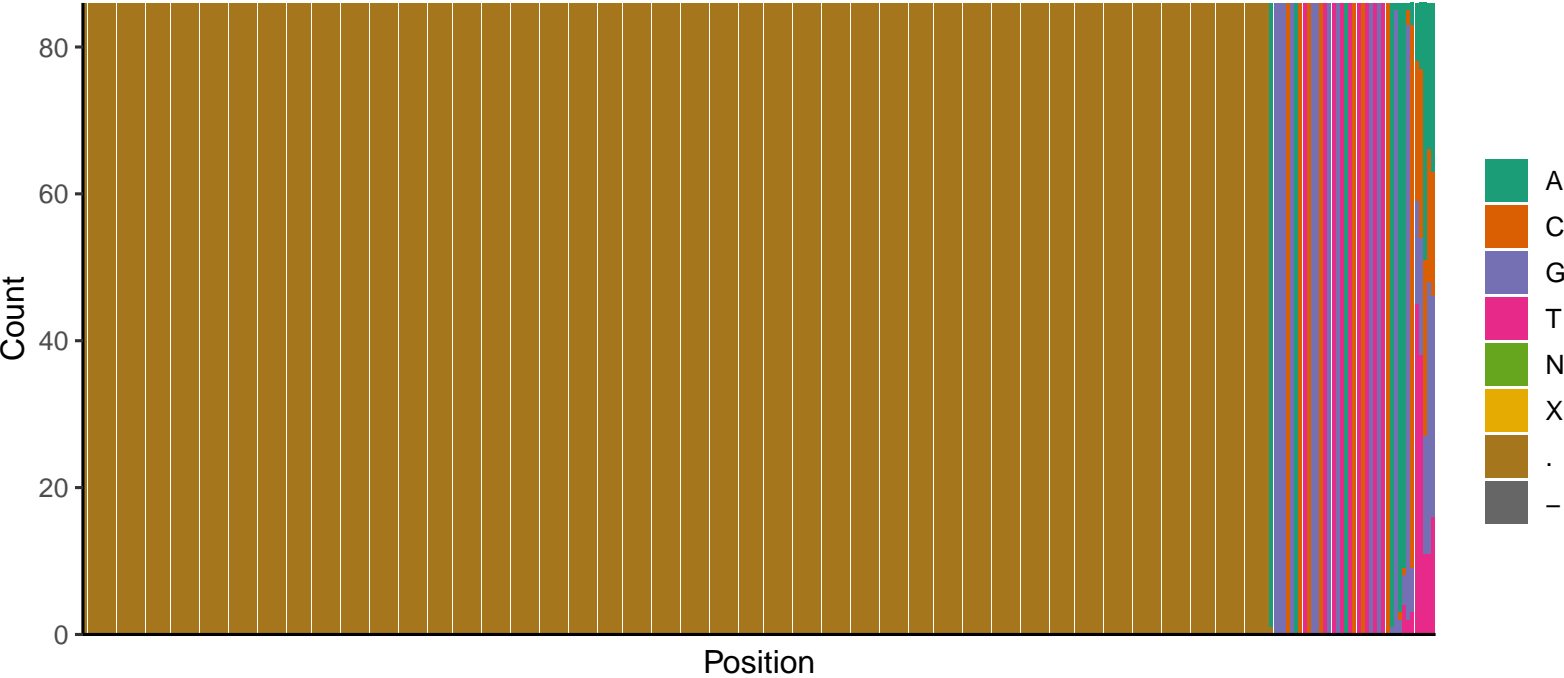
Gene TRBV7-1*ap01_G291C_T296C_C314T



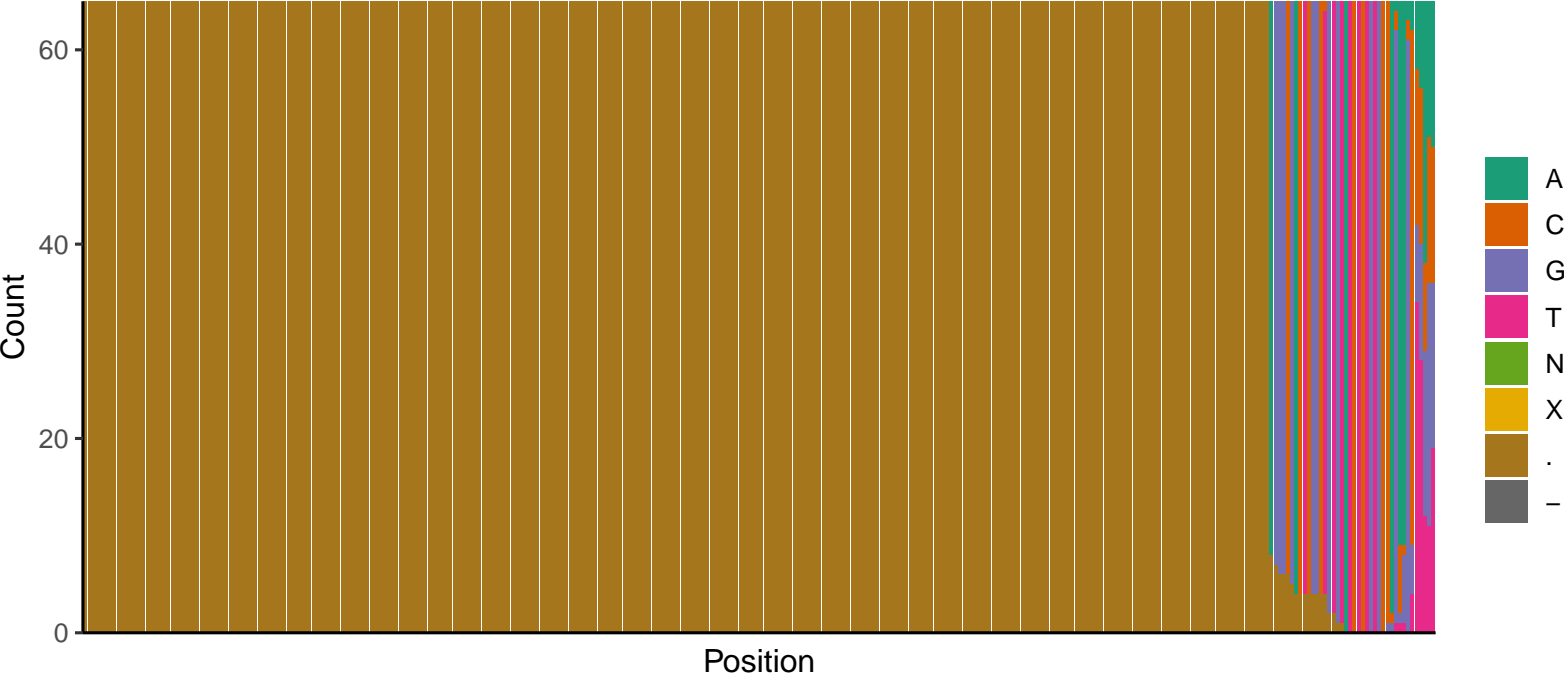
Gene TRBV7-1*ap01_G291C_T296C



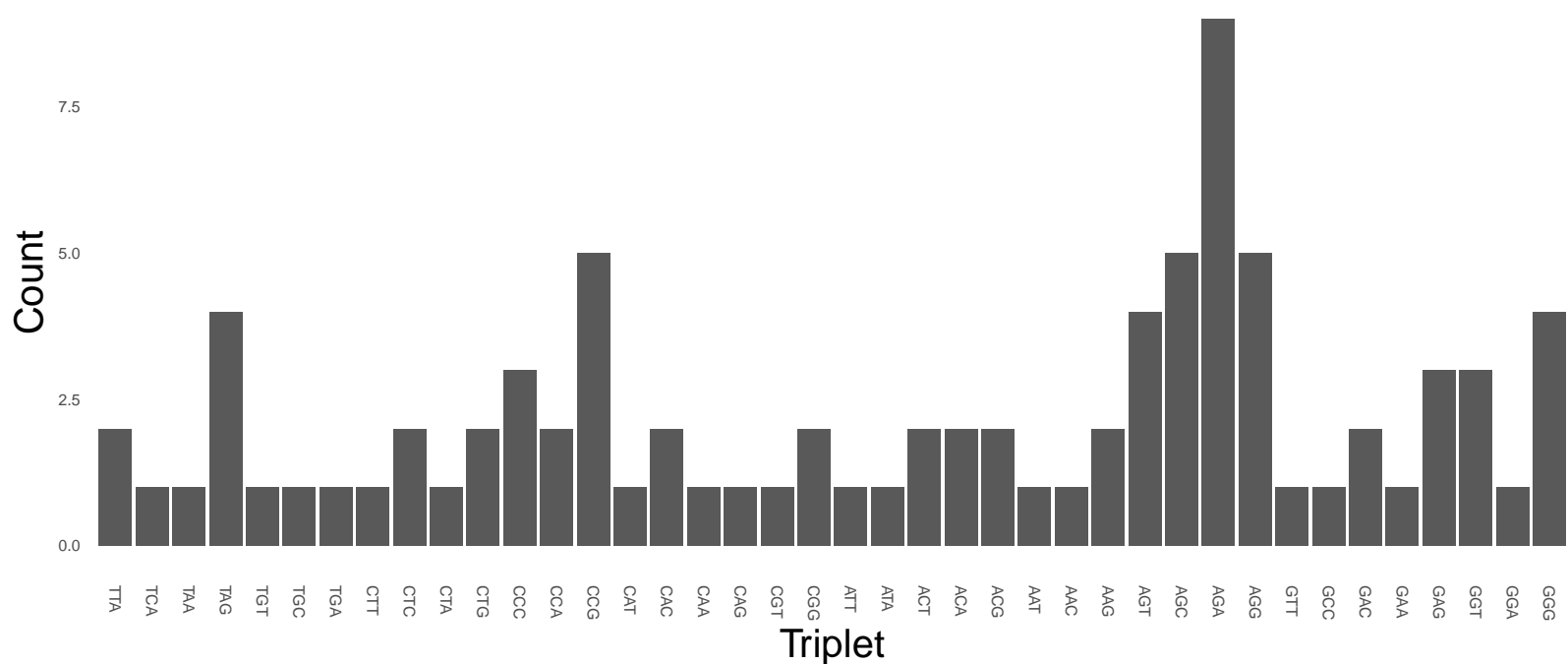
Gene TRBV7-1*ap01_G291C_T296C_C314T



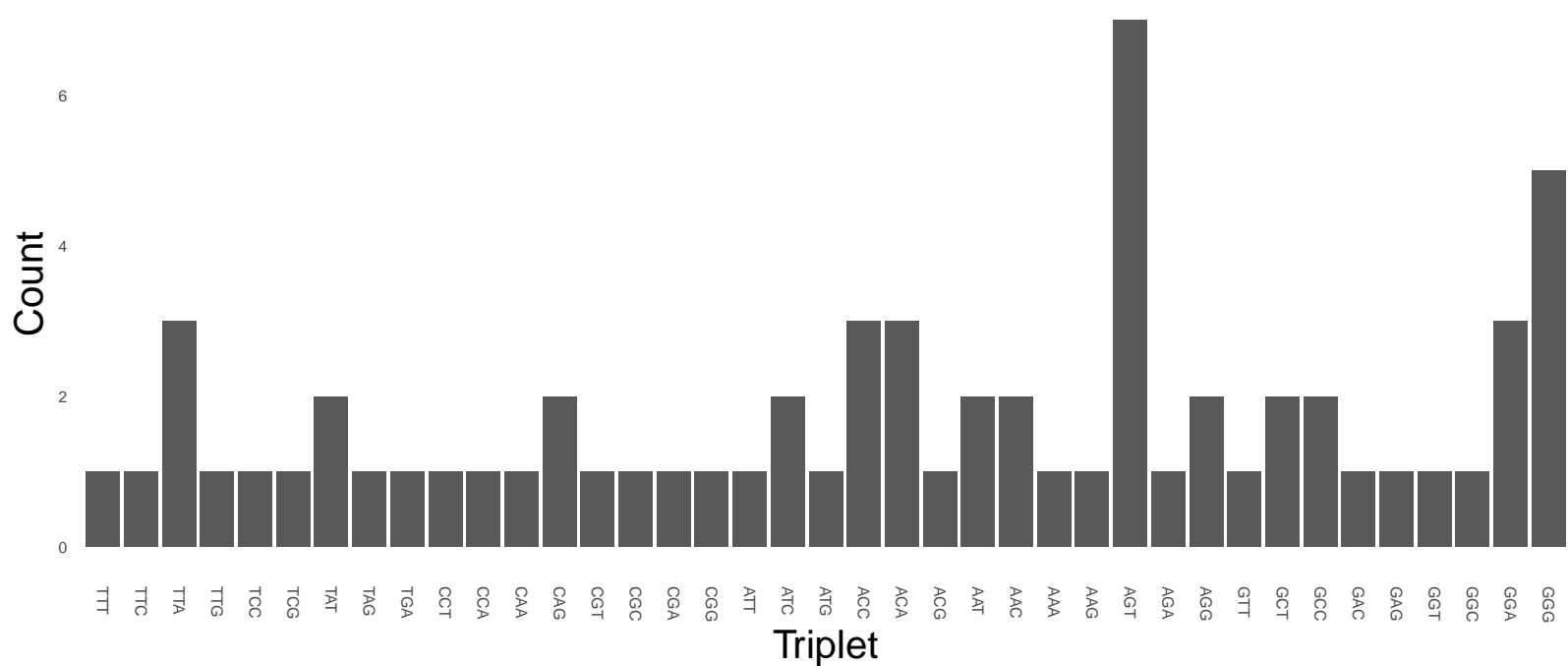
Gene TRBV7-1*ap01_G291C_T296C



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

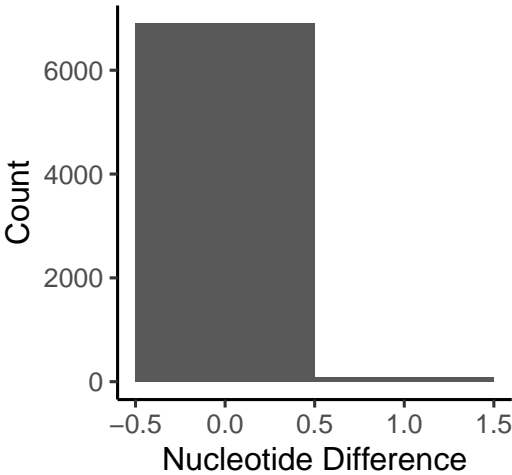


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



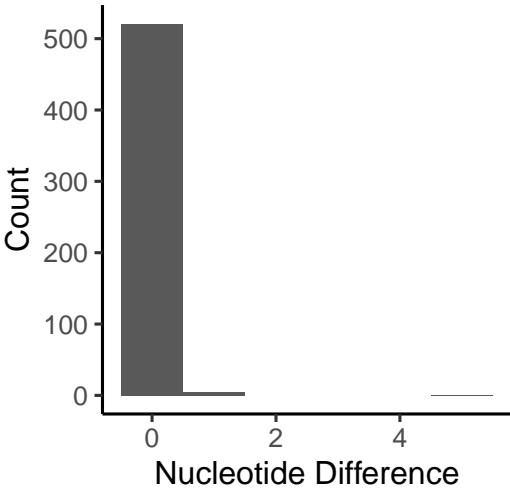
TRBV20-1*ap01

6985 sequences assigned
6902 (98.8%) exact matches, in which:
6865 unique CDR3
14 unique J



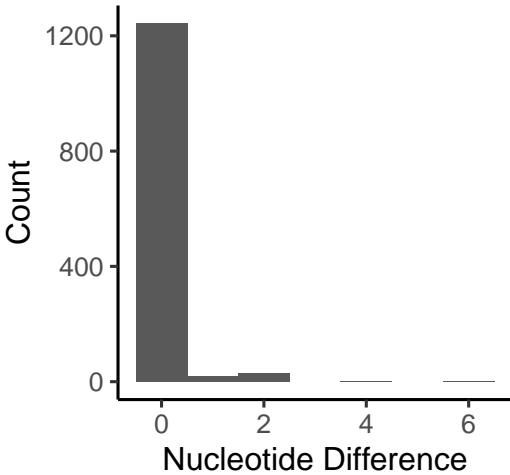
TRBV10-2*ap01

527 sequences assigned
521 (98.9%) exact matches, in which:
518 unique CDR3
14 unique J



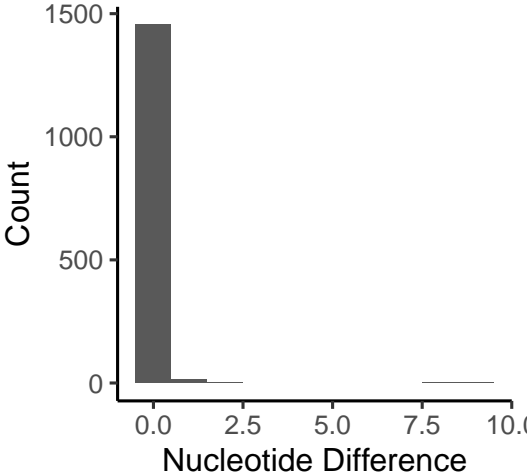
TRBV13*ap01

1291 sequences assigned
1243 (96.3%) exact matches, in which:
1232 unique CDR3
14 unique J



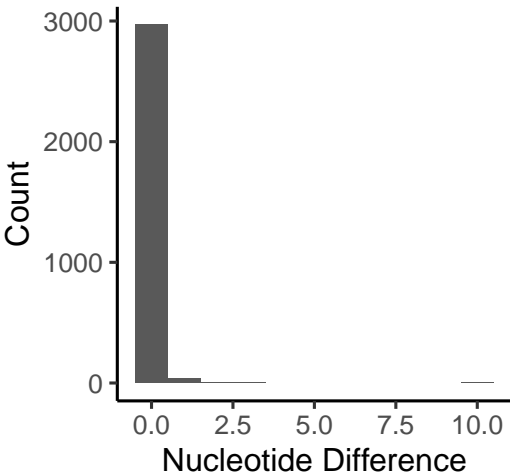
TRBV10-1*ap01

1472 sequences assigned
1455 (98.8%) exact matches, in which:
1433 unique CDR3
14 unique J



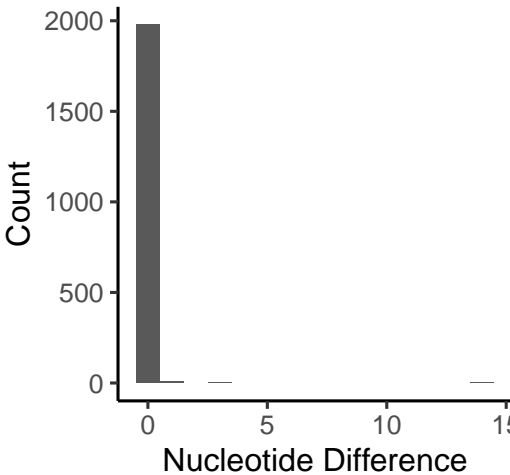
TRBV10-3*ap01

3008 sequences assigned
2969 (98.7%) exact matches, in which:
2935 unique CDR3
14 unique J



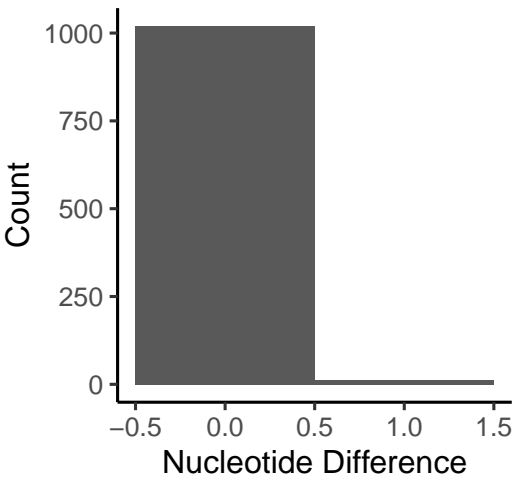
TRBV14*ap01

1991 sequences assigned
1978 (99.3%) exact matches, in which:
1964 unique CDR3
14 unique J



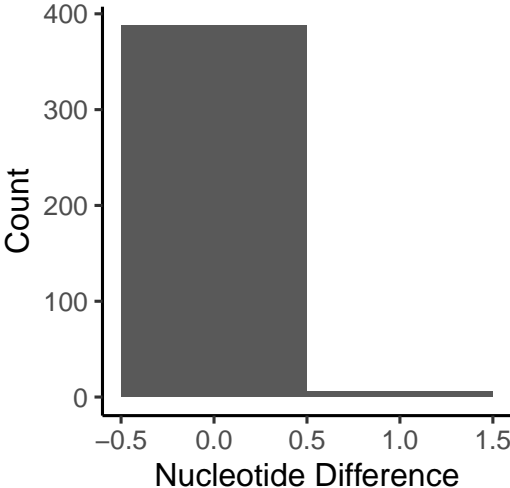
TRBV20-1*ap02

1033 sequences assigned
1020 (98.7%) exact matches, in which:
1016 unique CDR3
14 unique J



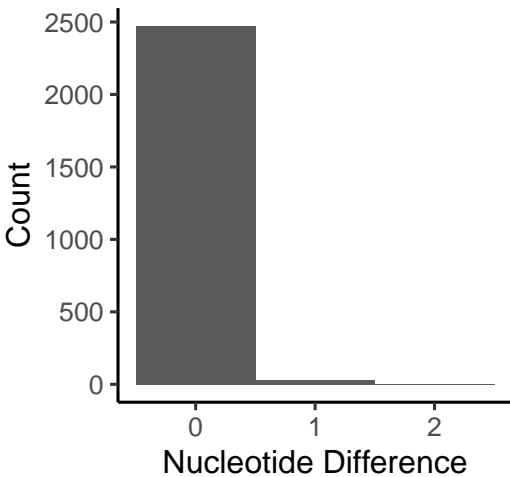
TRBV1*ap01

394 sequences assigned
388 (98.5%) exact matches, in which:
380 unique CDR3
14 unique J



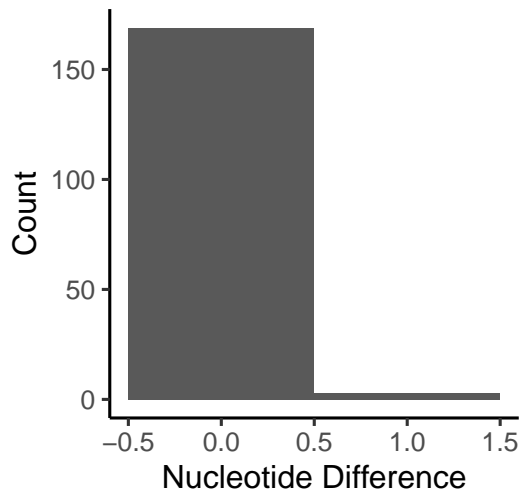
TRBV15*ap02

2504 sequences assigned
2472 (98.7%) exact matches, in which:
2443 unique CDR3
14 unique J



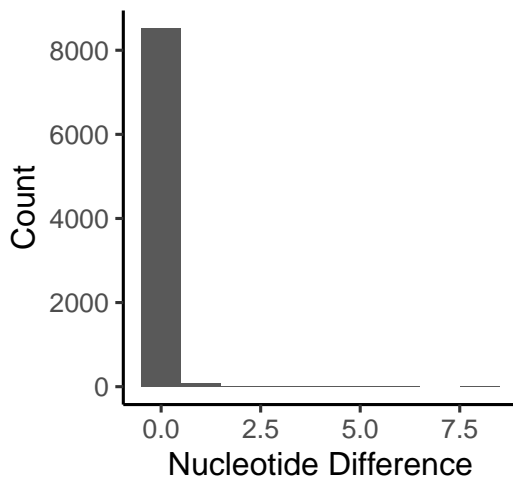
TRBV16*ap01

172 sequences assigned
169 (98.3%) exact matches, in which:
169 unique CDR3
14 unique J



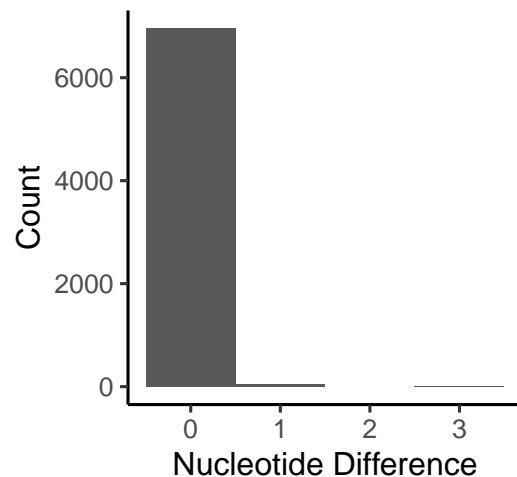
TRBV19*ap01

8610 sequences assigned
8519 (98.9%) exact matches, in which:
8490 unique CDR3
14 unique J



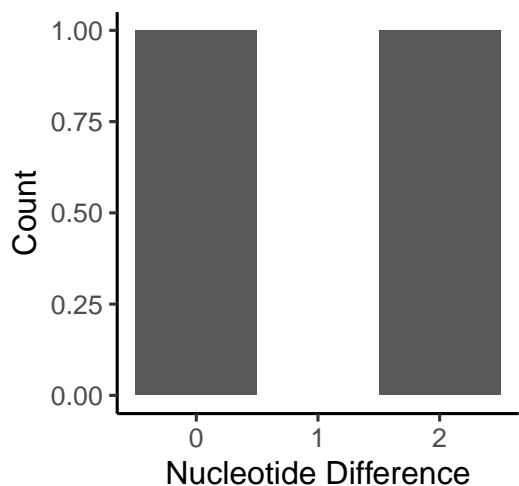
TRBV28*ap01

7017 sequences assigned
6957 (99.1%) exact matches, in which:
6932 unique CDR3
14 unique J



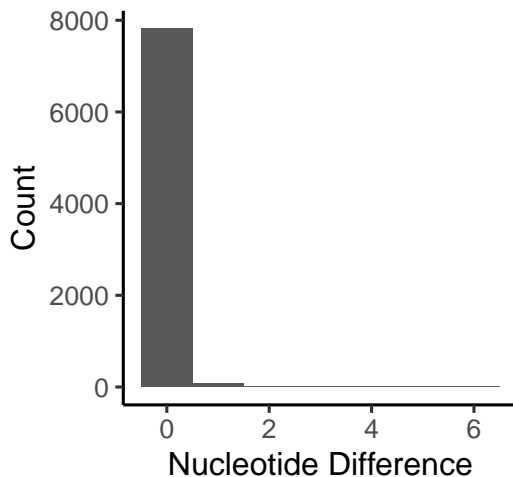
TRBV17*ap01

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



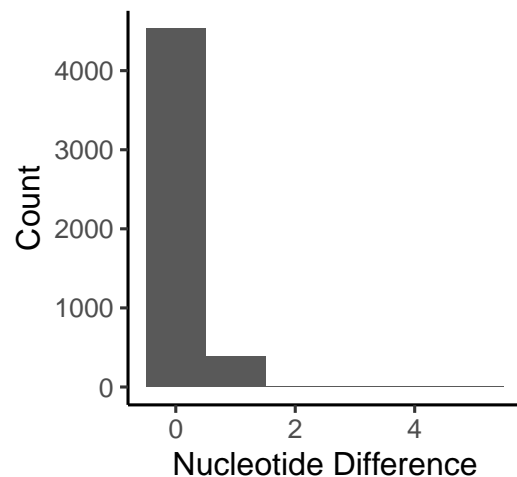
TRBV2*ap01

7912 sequences assigned
7815 (98.8%) exact matches, in which:
7752 unique CDR3
14 unique J



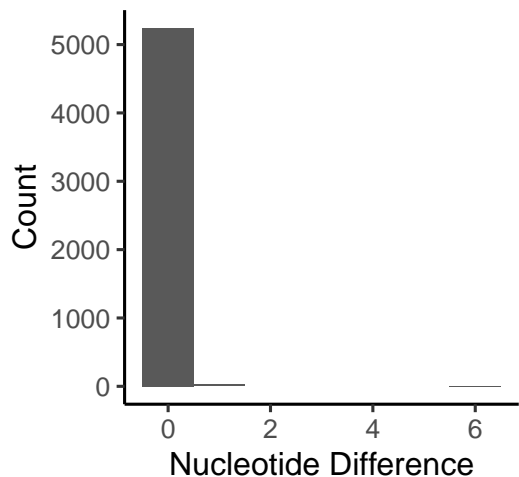
TRBV30*ap01

4925 sequences assigned
4530 (92%) exact matches, in which:
4454 unique CDR3
14 unique J



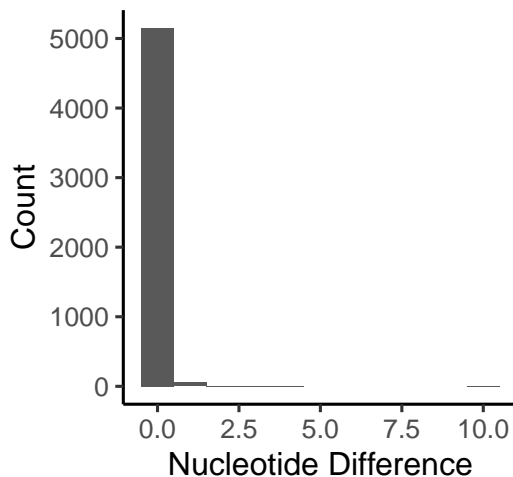
TRBV18*ap01

5269 sequences assigned
5242 (99.5%) exact matches, in which:
5224 unique CDR3
14 unique J



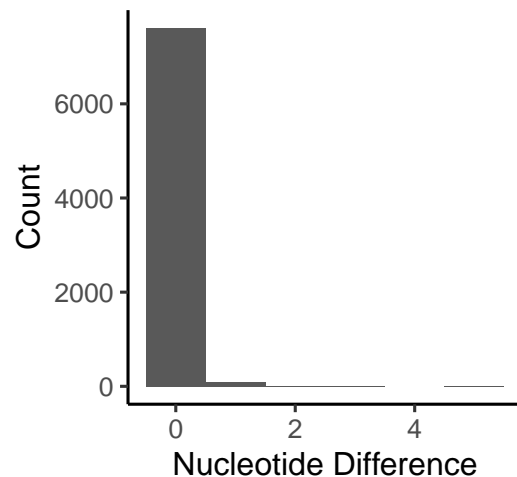
TRBV27*ap01

5214 sequences assigned
5150 (98.8%) exact matches, in which:
5113 unique CDR3
14 unique J



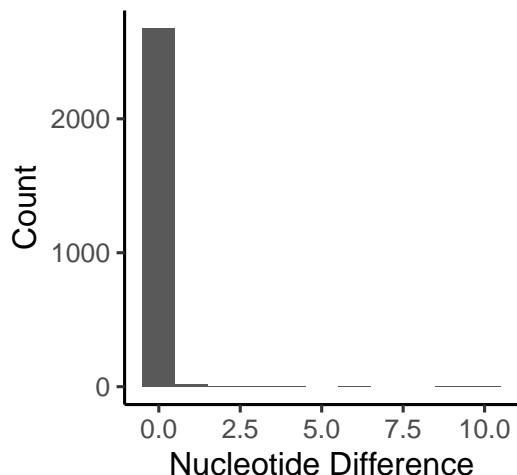
TRBV9*ap01

7706 sequences assigned
7610 (98.8%) exact matches, in which:
7568 unique CDR3
14 unique J



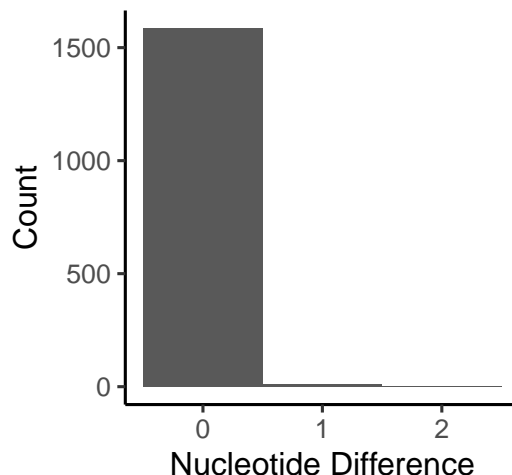
TRBV21-1*ap01

2710 sequences assigned
2675 (98.7%) exact matches, in which:
2662 unique CDR3
14 unique J



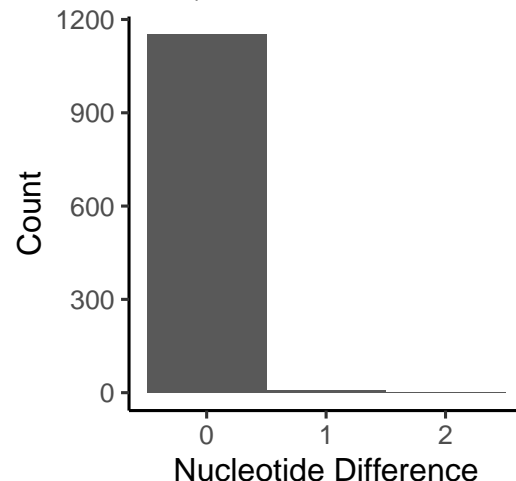
TRBV11-3*ap01

1598 sequences assigned
1585 (99.2%) exact matches, in which:
1578 unique CDR3
14 unique J



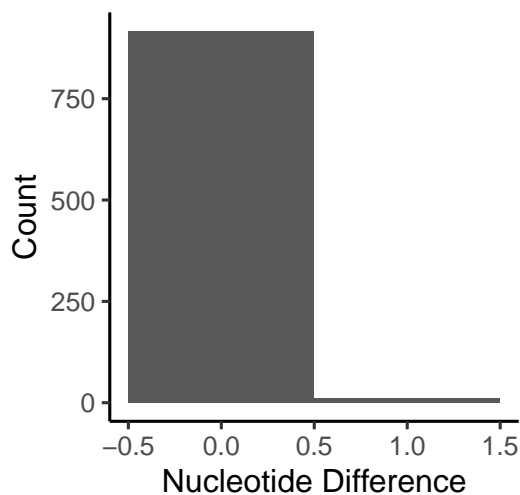
TRBV12-5*ap01

1161 sequences assigned
1152 (99.2%) exact matches, in which:
1144 unique CDR3
14 unique J



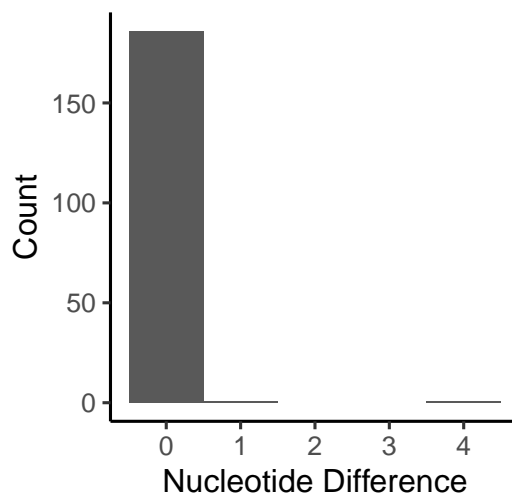
TRBV11-1*ap01

927 sequences assigned
917 (98.9%) exact matches, in which:
912 unique CDR3
14 unique J



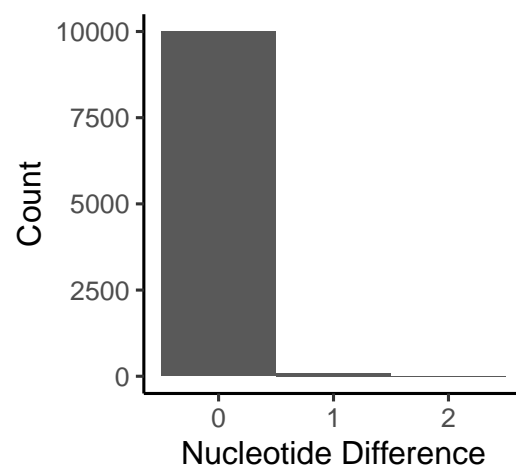
TRBV12-1*ap01

188 sequences assigned
186 (98.9%) exact matches, in which:
183 unique CDR3
14 unique J



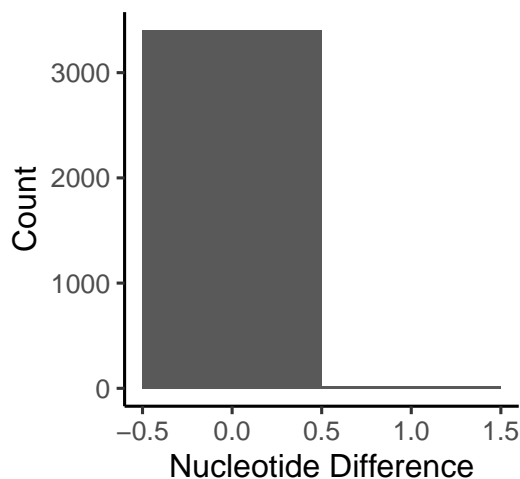
TRBV12-34*ap01

10096 sequences assigned
10001 (99.1%) exact matches, in which:
9923 unique CDR3
14 unique J



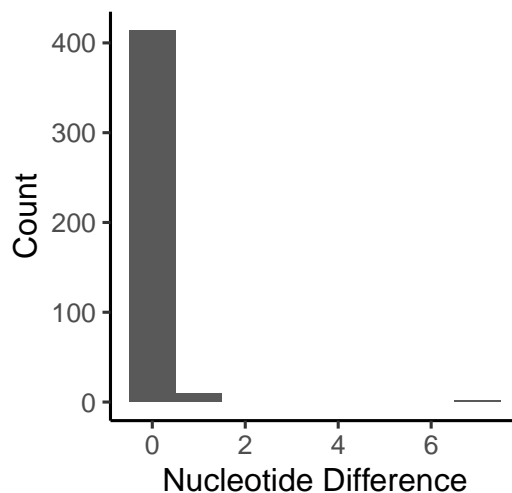
TRBV11-2*ap01

3429 sequences assigned
3405 (99.3%) exact matches, in which:
3381 unique CDR3
14 unique J



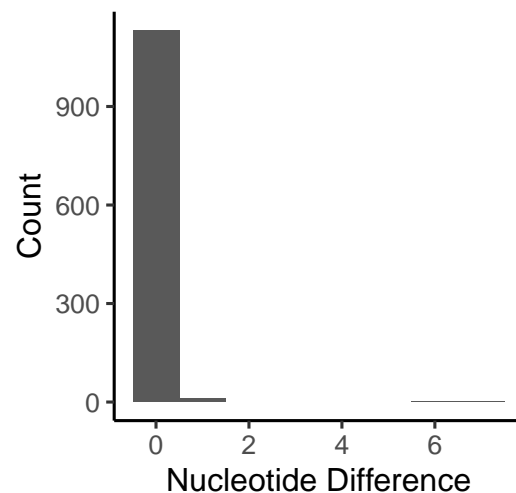
TRBV12-2*ap01

426 sequences assigned
414 (97.2%) exact matches, in which:
412 unique CDR3
14 unique J



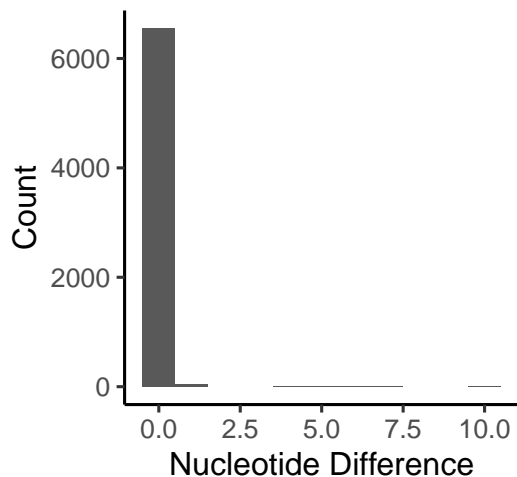
TRBV23-1*ap01

1144 sequences assigned
1132 (99%) exact matches, in which:
1125 unique CDR3
14 unique J



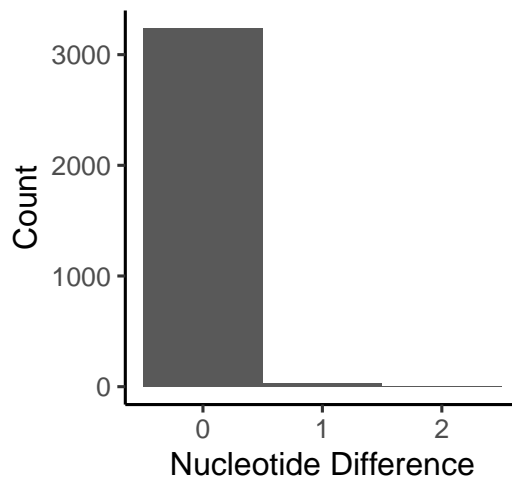
TRBV3–12*ap01

6608 sequences assigned
6550 (99.1%) exact matches, in which:
6525 unique CDR3
14 unique J



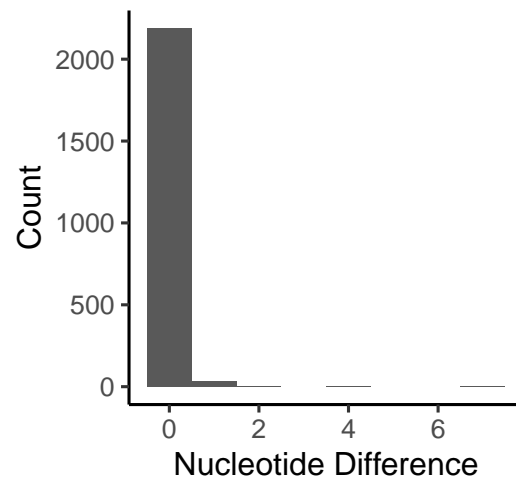
TRBV4–2*ap01

3274 sequences assigned
3237 (98.9%) exact matches, in which:
3212 unique CDR3
14 unique J



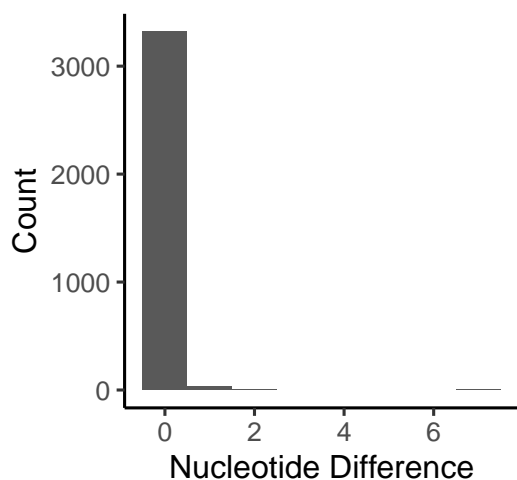
TRBV25–1*ap01

2229 sequences assigned
2188 (98.2%) exact matches, in which:
2157 unique CDR3
14 unique J



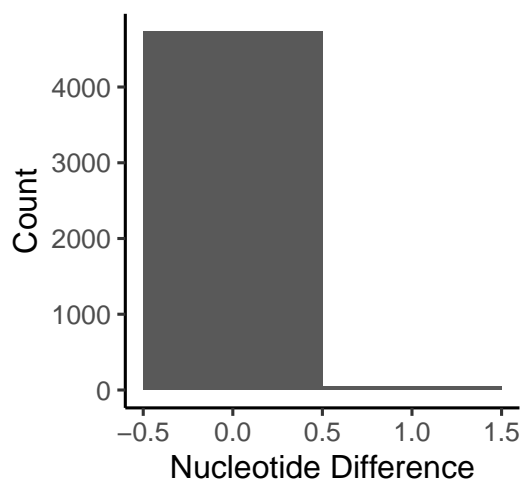
TRBV4–1*ap01

3355 sequences assigned
3319 (98.9%) exact matches, in which:
3296 unique CDR3
14 unique J



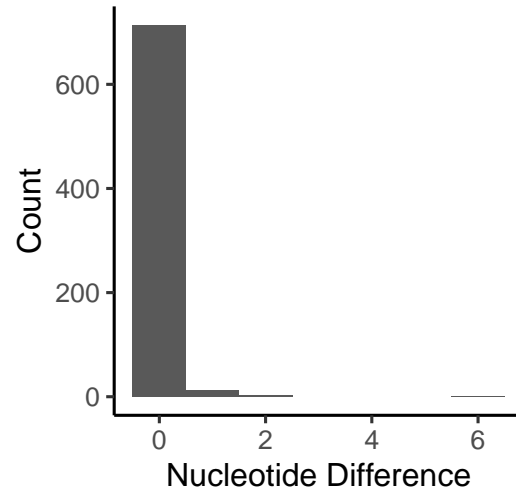
TRBV4–3*ap01

4775 sequences assigned
4730 (99.1%) exact matches, in which:
4689 unique CDR3
14 unique J



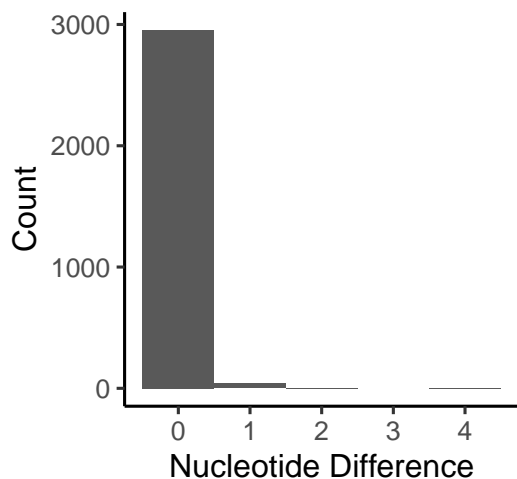
TRBV5–3*ap01

729 sequences assigned
714 (97.9%) exact matches, in which:
706 unique CDR3
14 unique J



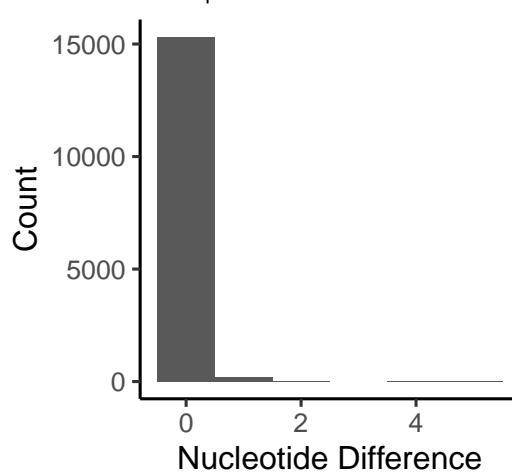
TRBV24–1*ap01

2995 sequences assigned
2954 (98.6%) exact matches, in which:
2925 unique CDR3
14 unique J



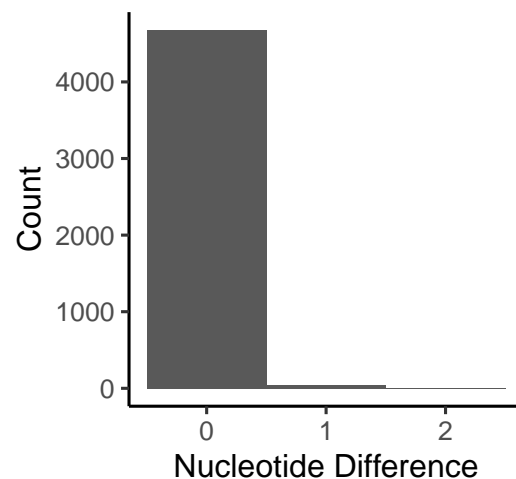
TRBV5–1*ap01

15536 sequences assigned
15322 (98.6%) exact matches, in which:
15178 unique CDR3
14 unique J



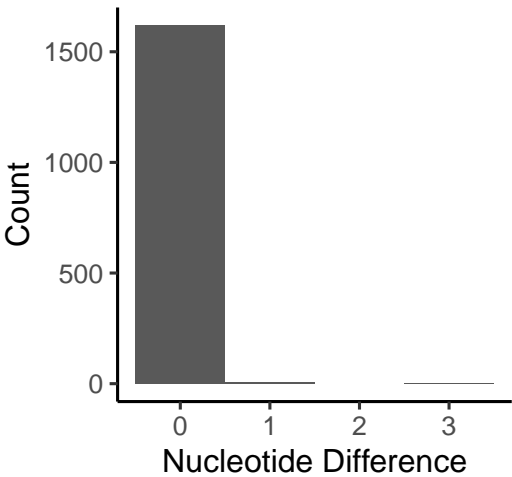
TRBV5–4*ap01

4721 sequences assigned
4677 (99.1%) exact matches, in which:
4631 unique CDR3
14 unique J



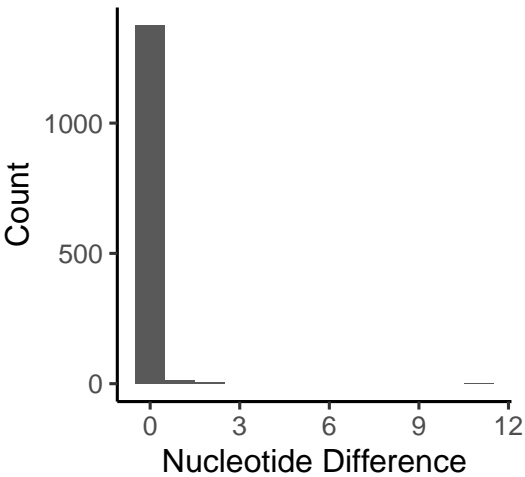
TRBV5-5*ap01

1627 sequences assigned
1619 (99.5%) exact matches, in which:
1618 unique CDR3
14 unique J



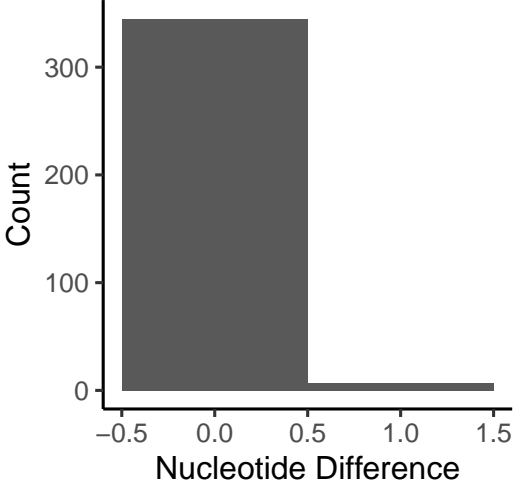
TRBV5-8*ap01

1394 sequences assigned
1375 (98.6%) exact matches, in which:
1364 unique CDR3
14 unique J



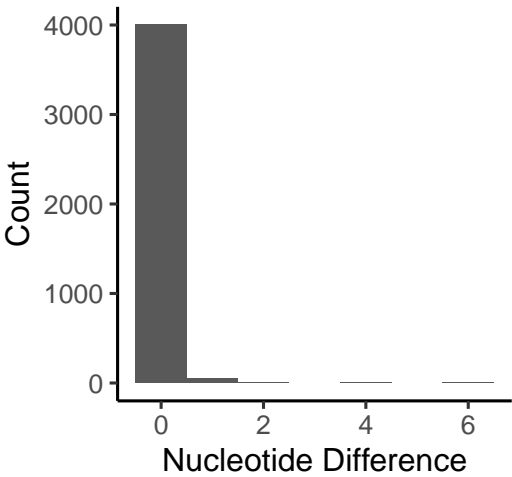
TRBV6-7*ap01

352 sequences assigned
345 (98%) exact matches, in which:
343 unique CDR3
14 unique J



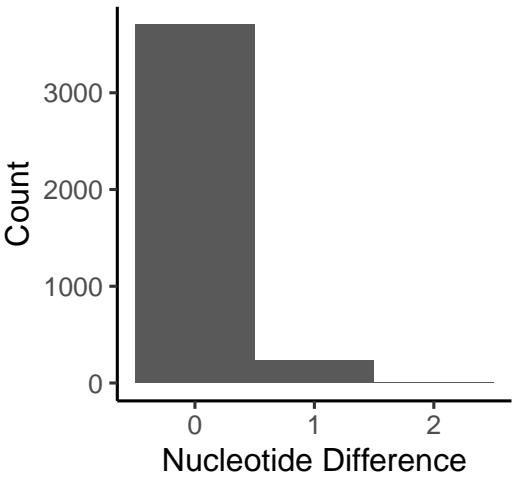
TRBV5-6*ap01

4060 sequences assigned
4003 (98.6%) exact matches, in which:
3934 unique CDR3
14 unique J



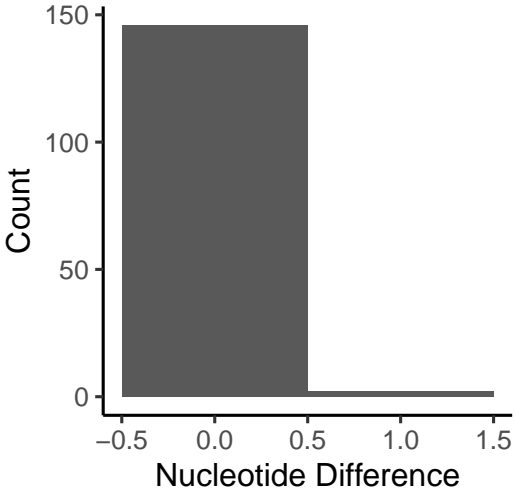
TRBV6-1*ap01

3937 sequences assigned
3703 (94.1%) exact matches, in which:
3648 unique CDR3
14 unique J



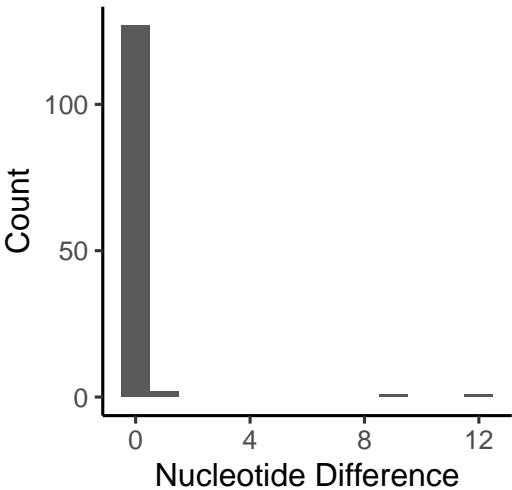
TRBV6-8*ap01

148 sequences assigned
146 (98.6%) exact matches, in which:
143 unique CDR3
14 unique J



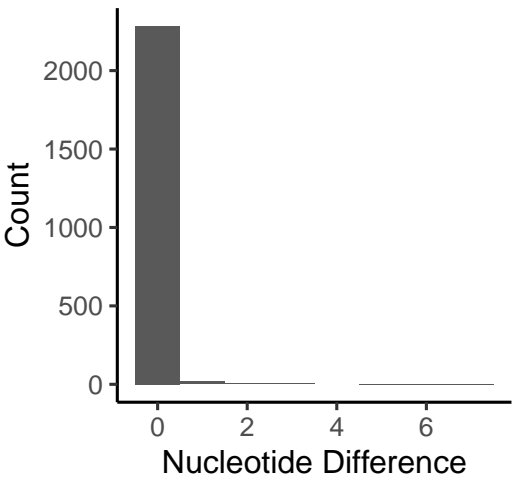
TRBV5-7*ap01

131 sequences assigned
127 (96.9%) exact matches, in which:
124 unique CDR3
14 unique J



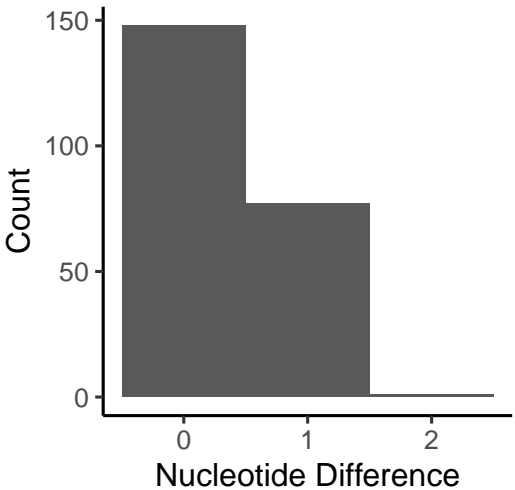
TRBV6-4*ap01

2314 sequences assigned
2284 (98.7%) exact matches, in which:
2265 unique CDR3
14 unique J



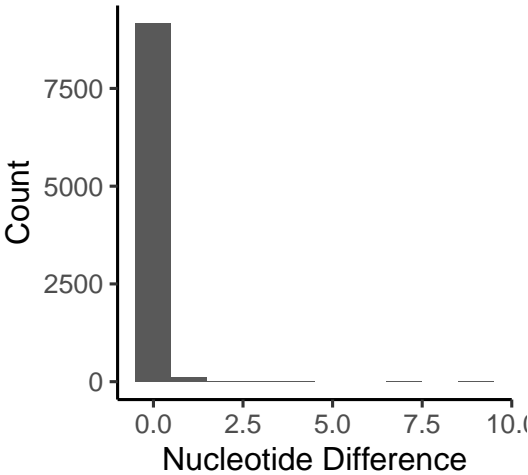
TRBV6-9*ap01

226 sequences assigned
148 (65.5%) exact matches, in which:
145 unique CDR3
14 unique J



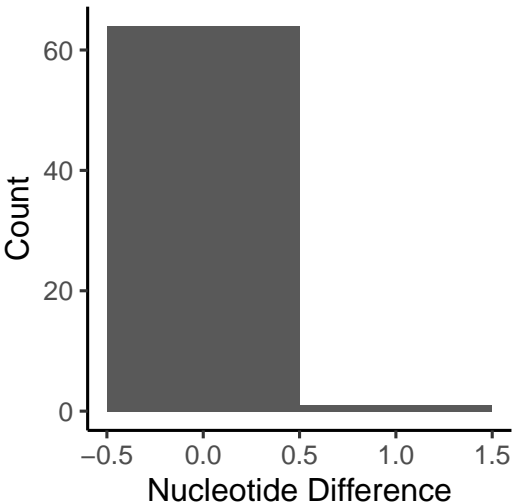
TRBV6-23*ap01

9277 sequences assigned
9163 (98.8%) exact matches, in which:
9011 unique CDR3
14 unique J



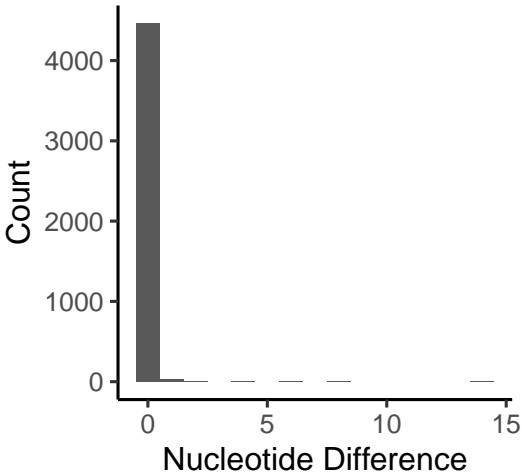
TRBV7-1*ap01_G291C_T

65 sequences assigned
64 (98.5%) exact matches, in which:
64 unique CDR3
12 unique J



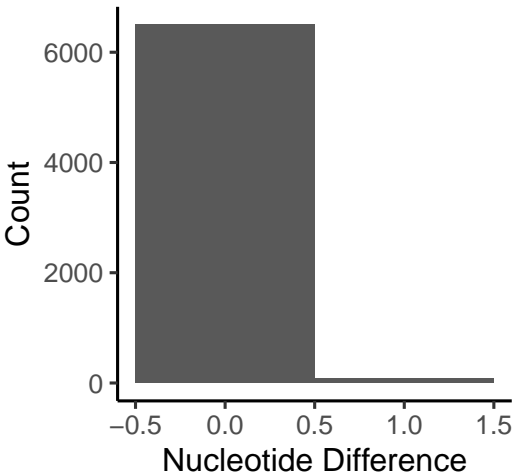
TRBV7-3*ap01

4502 sequences assigned
4463 (99.1%) exact matches, in which:
4437 unique CDR3
14 unique J



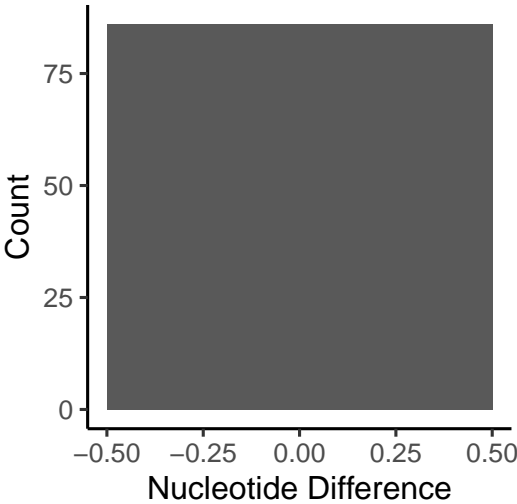
TRBV6-56*ap01

6583 sequences assigned
6499 (98.7%) exact matches, in which:
6410 unique CDR3
14 unique J



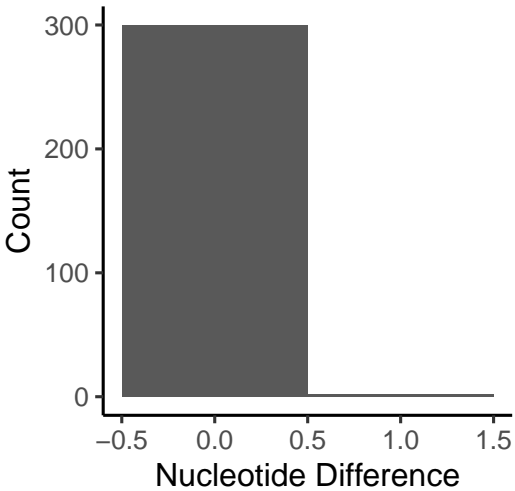
TRBV7-1*ap01_G291C_T

86 sequences assigned
86 (100%) exact matches, in which:
86 unique CDR3
13 unique J



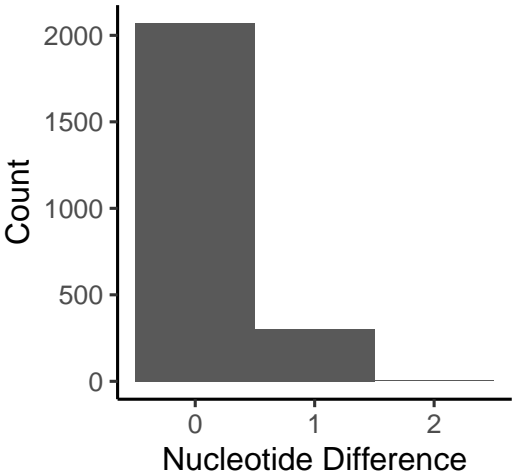
TRBV7-4*ap01

302 sequences assigned
300 (99.3%) exact matches, in which:
294 unique CDR3
14 unique J



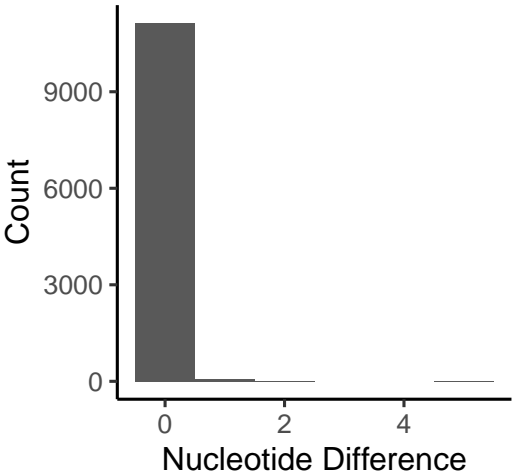
TRBV6-56*ap02

2377 sequences assigned
2071 (87.1%) exact matches, in which:
2043 unique CDR3
14 unique J



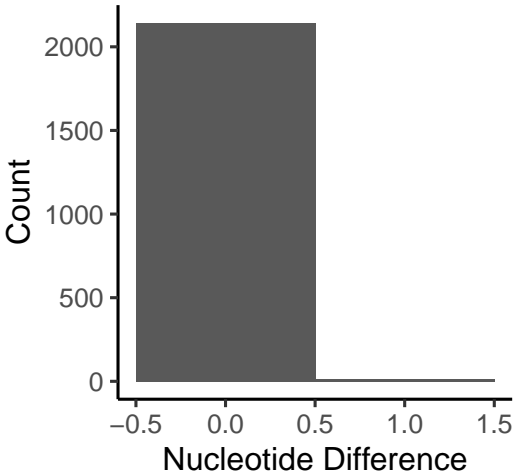
TRBV7-2*ap01

11218 sequences assigned
11135 (99.3%) exact matches, in which:
11071 unique CDR3
14 unique J



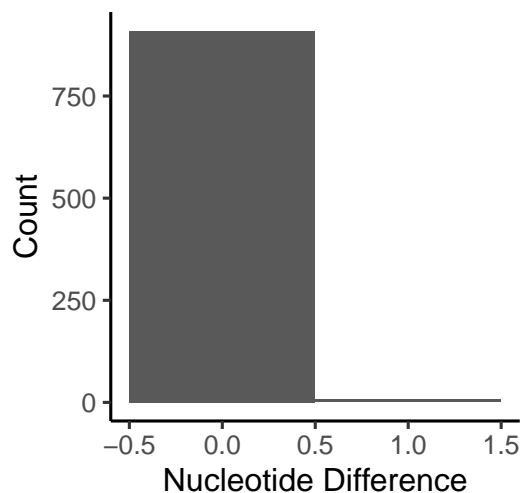
TRBV7-6*ap01

2155 sequences assigned
2142 (99.4%) exact matches, in which:
2127 unique CDR3
14 unique J



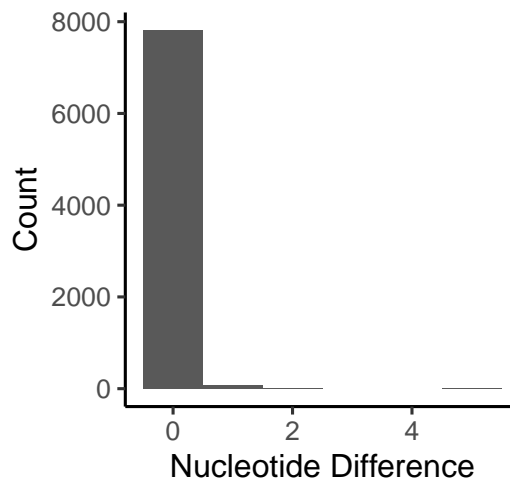
TRBV7-7*ap01

917 sequences assigned
910 (99.2%) exact matches, in which:
903 unique CDR3
14 unique J



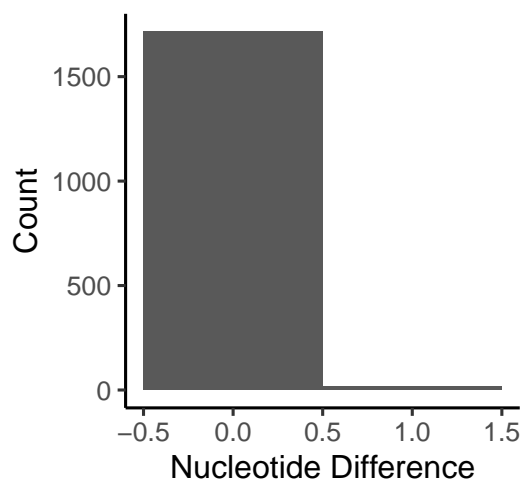
TRBV7-9*ap01

7883 sequences assigned
7810 (99.1%) exact matches, in which:
7757 unique CDR3
14 unique J



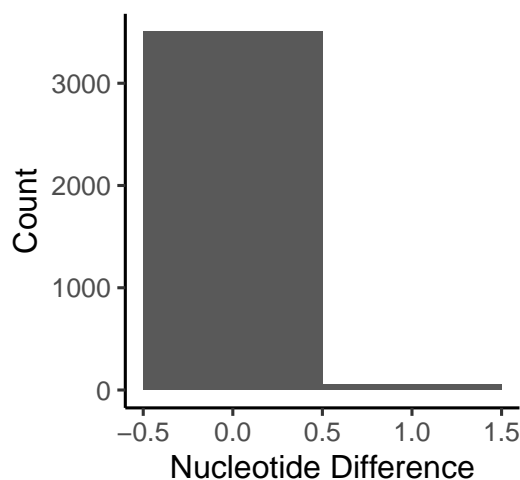
TRBV7-8*ap01

1731 sequences assigned
1715 (99.1%) exact matches, in which:
1706 unique CDR3
14 unique J



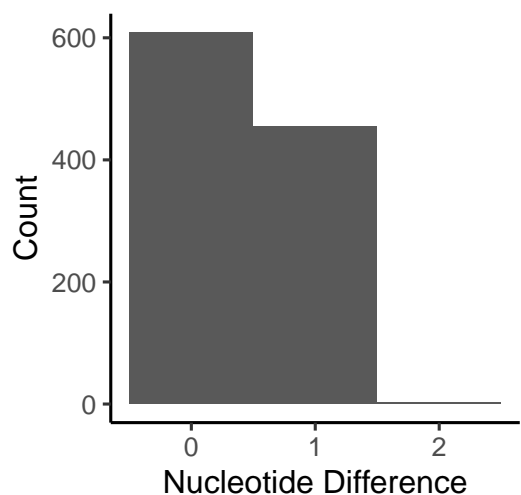
TRBV29-1*ap01

3554 sequences assigned
3504 (98.6%) exact matches, in which:
3462 unique CDR3
14 unique J



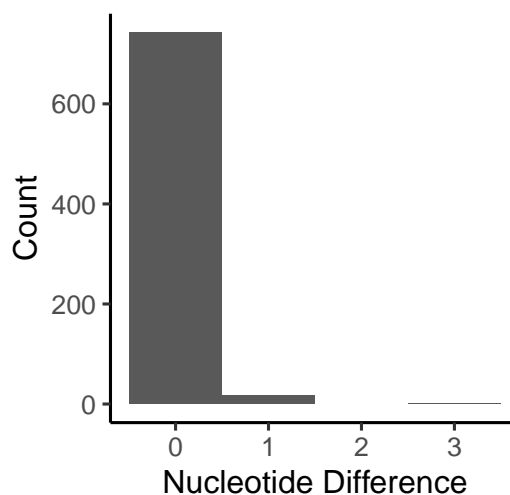
TRBV7-8*ap03

1066 sequences assigned
609 (57.1%) exact matches, in which:
606 unique CDR3
14 unique J

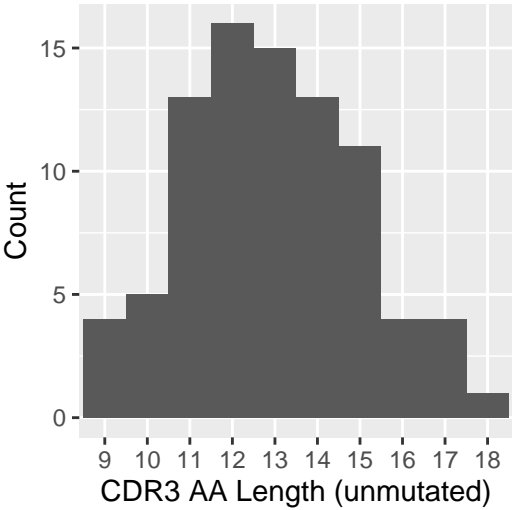


TRBV29-1*ap02

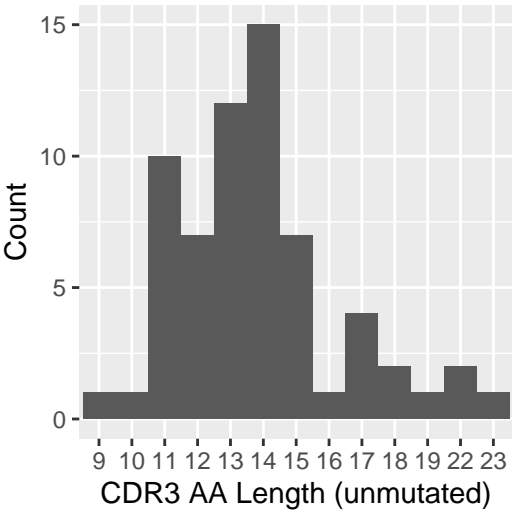
761 sequences assigned
743 (97.6%) exact matches, in which:
729 unique CDR3
14 unique J



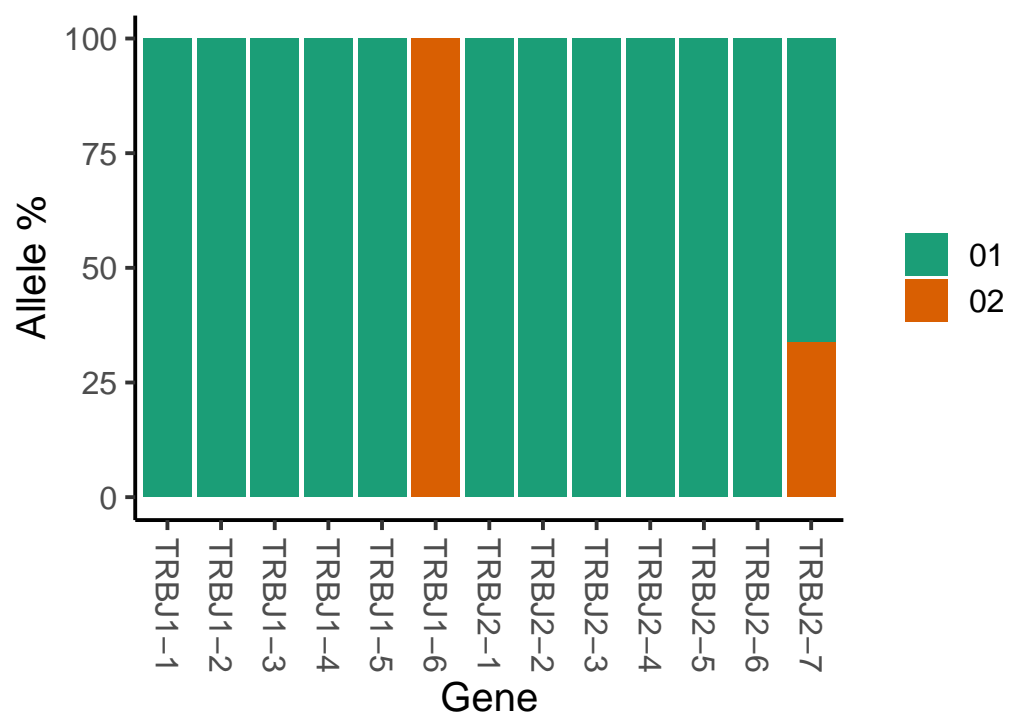
TRBV7-1*ap01_G291C_T296C_C314T



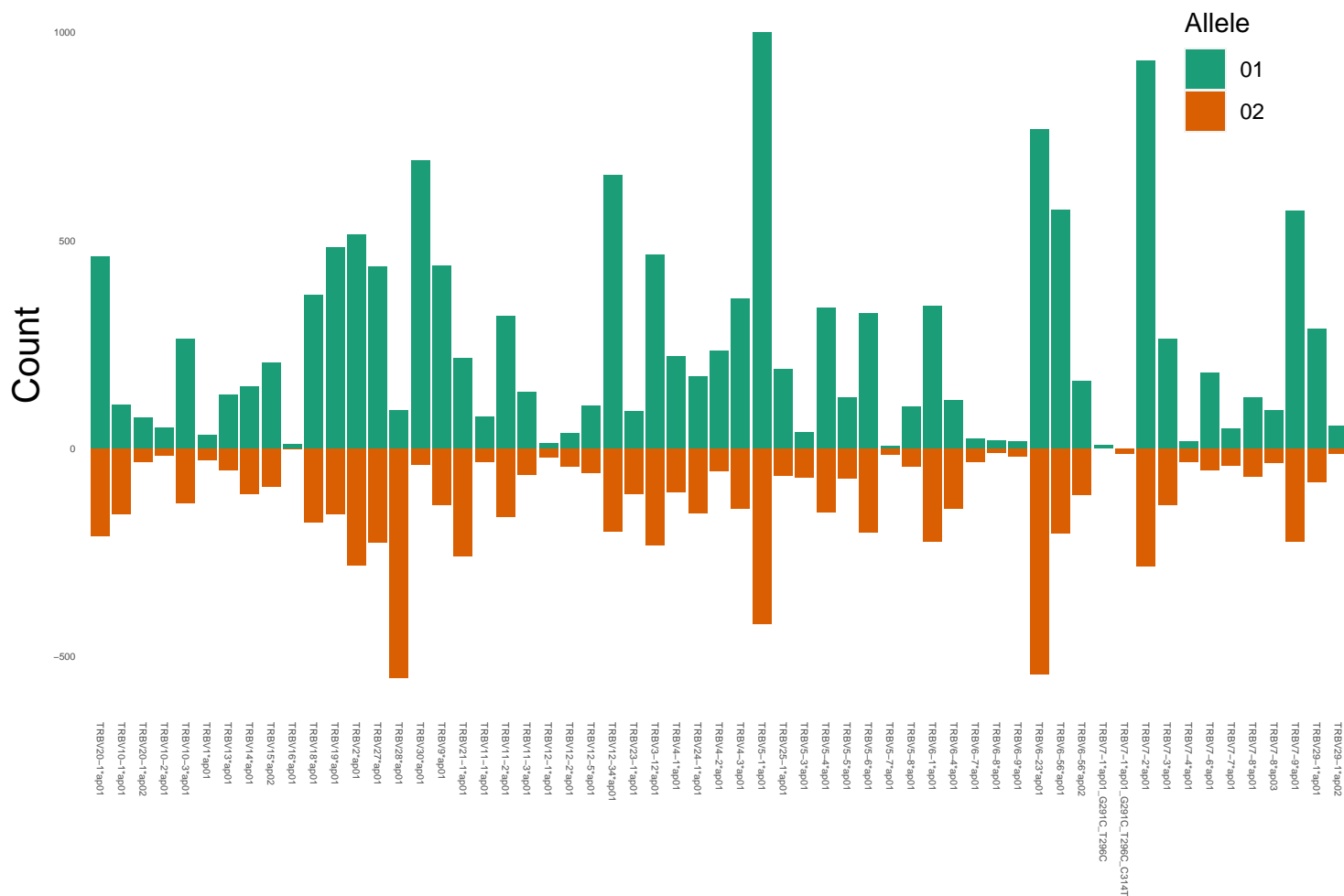
TRBV7-1*ap01_G291C_T296C



Allele Usage



Sequence Count by TRBJ2-7 allele usage



[illegible]