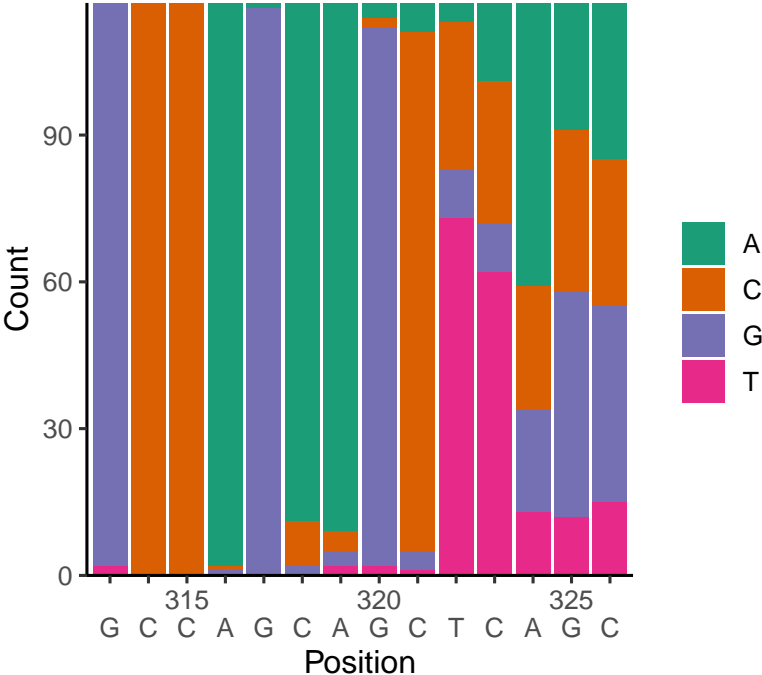
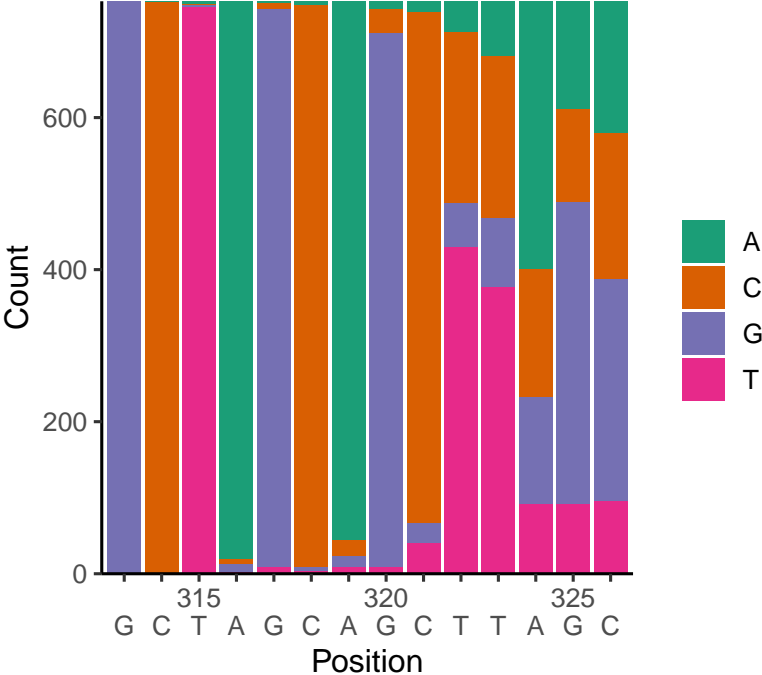


Gene TRBV7-1*ap01_G291C_T296C



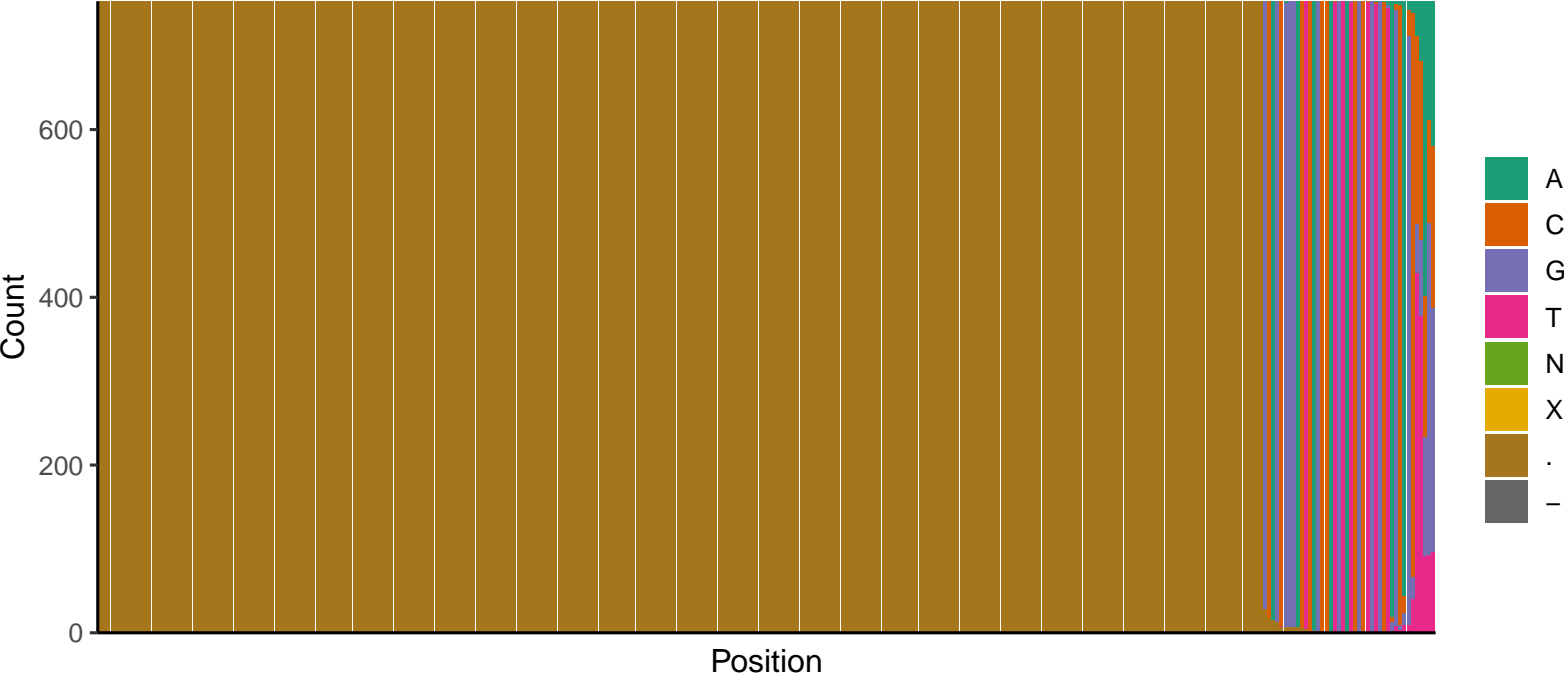
Gene TRBV7-7*ap01_C315T



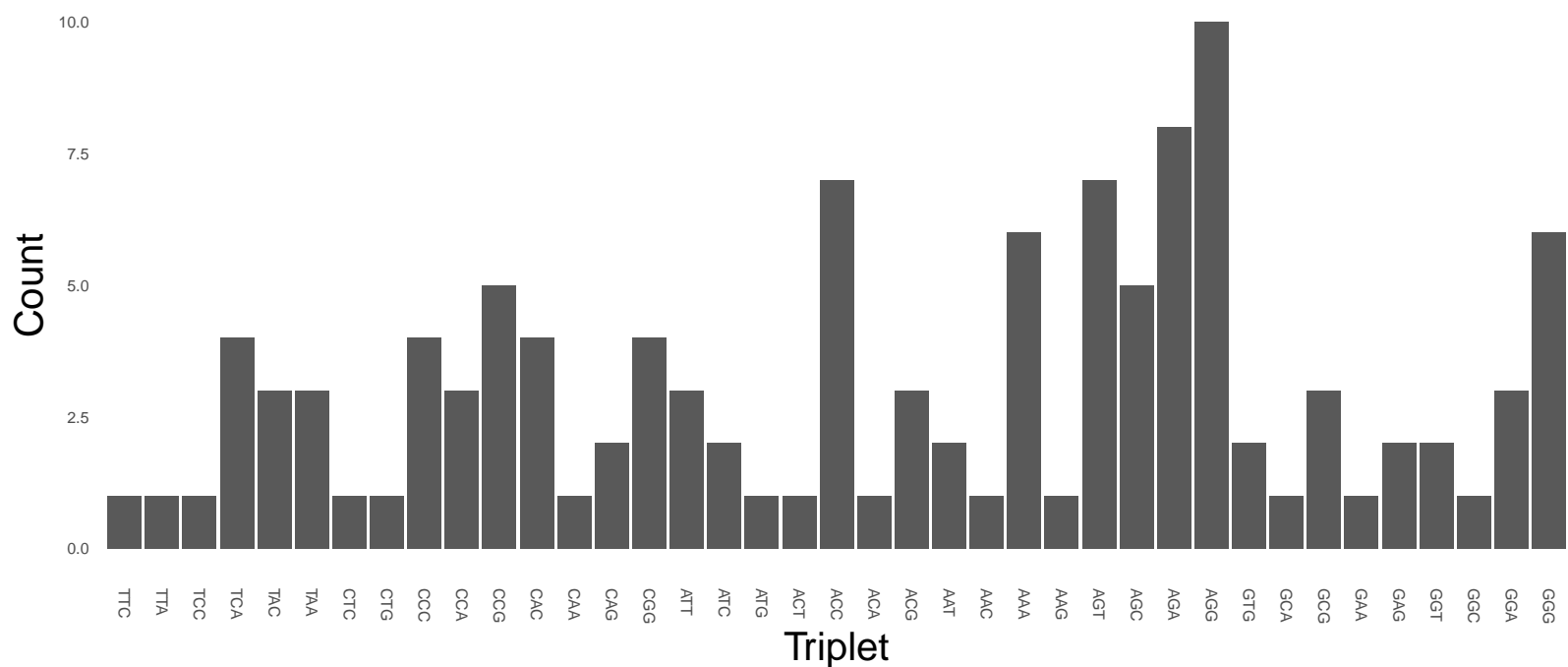
Gene TRBV7-1*ap01_G291C_T296C



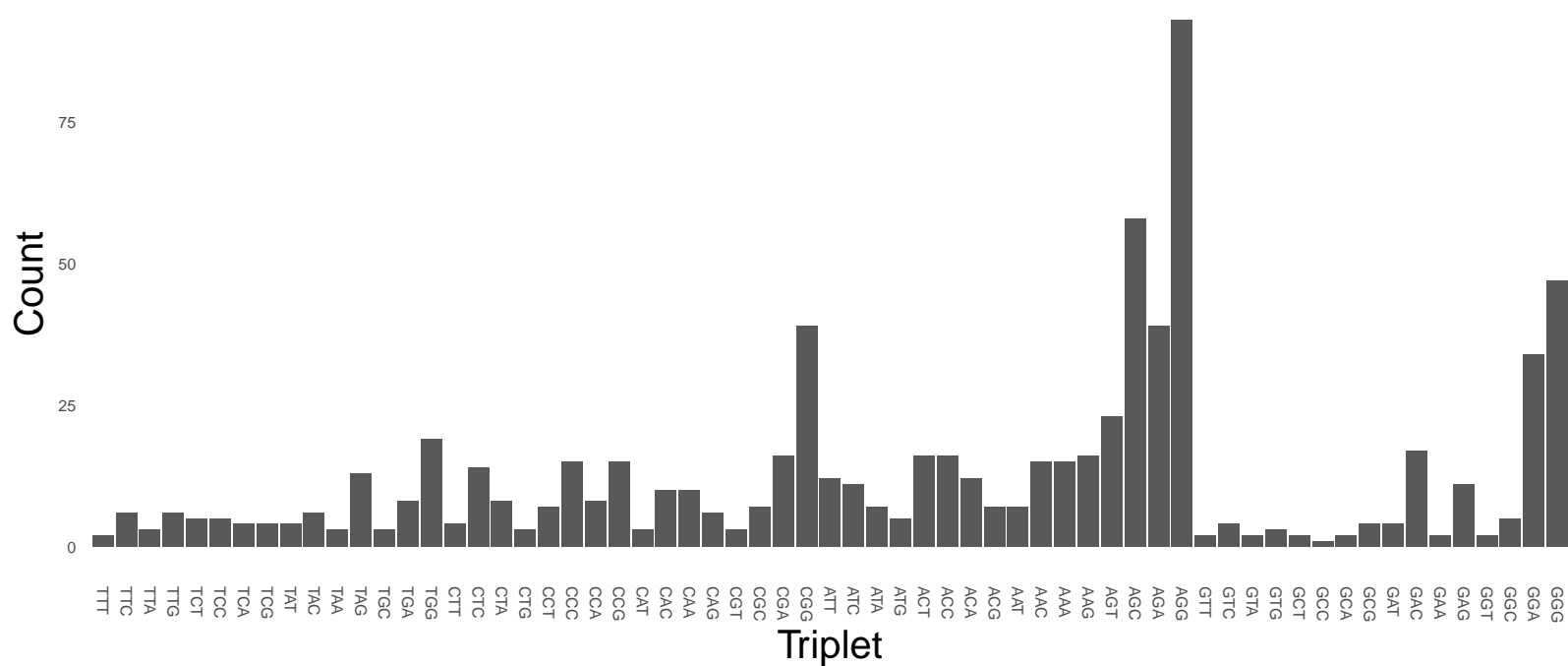
Gene TRBV7-7*ap01_C315T



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

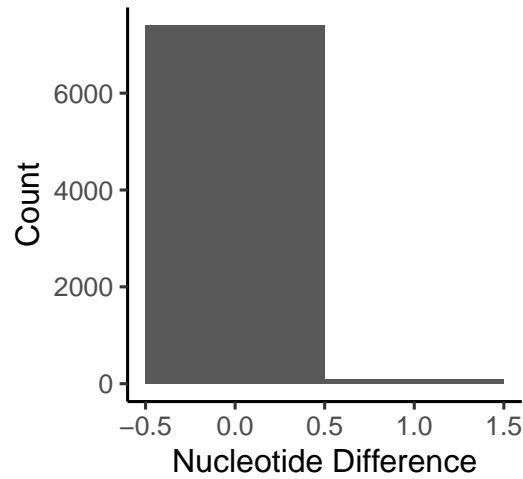


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



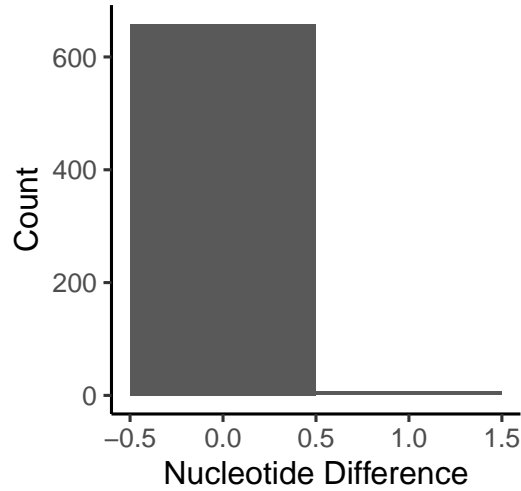
TRBV20-1*ap01

7502 sequences assigned
7399 (98.6%) exact matches, in which:
7194 unique CDR3
13 unique J



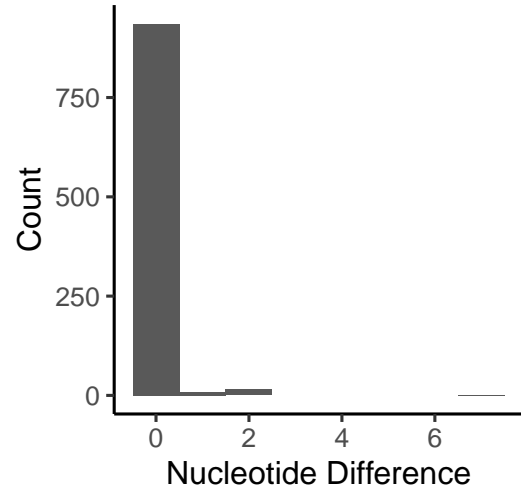
TRBV10-2*ap01

666 sequences assigned
659 (98.9%) exact matches, in which:
638 unique CDR3
13 unique J



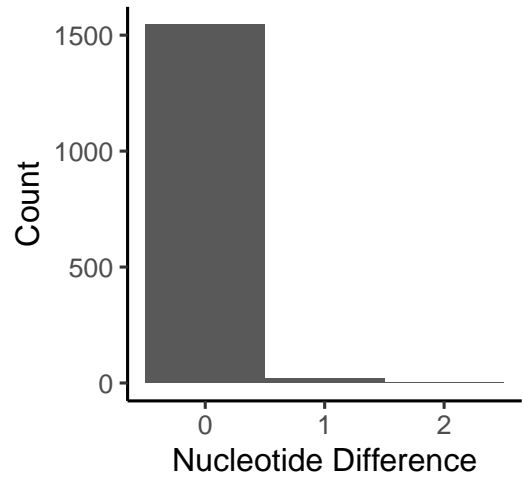
TRBV13*ap01

961 sequences assigned
936 (97.4%) exact matches, in which:
907 unique CDR3
13 unique J



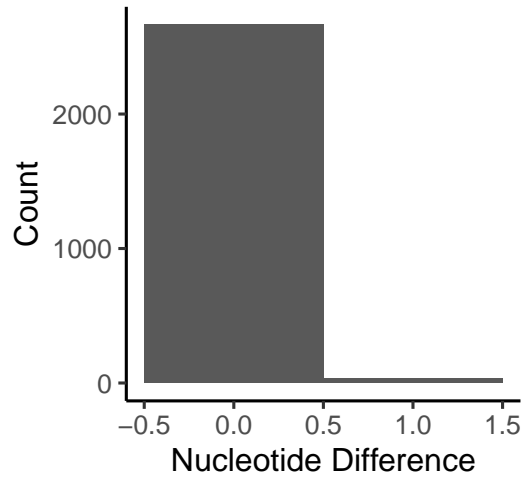
TRBV10-1*ap01

1565 sequences assigned
1545 (98.7%) exact matches, in which:
1479 unique CDR3
13 unique J



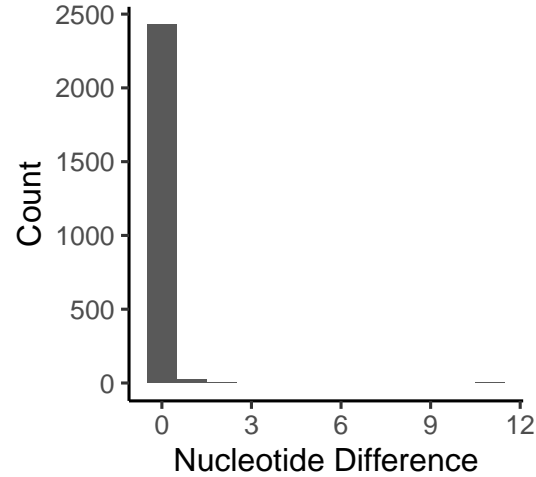
TRBV10-3*ap01

2696 sequences assigned
2664 (98.8%) exact matches, in which:
2565 unique CDR3
13 unique J



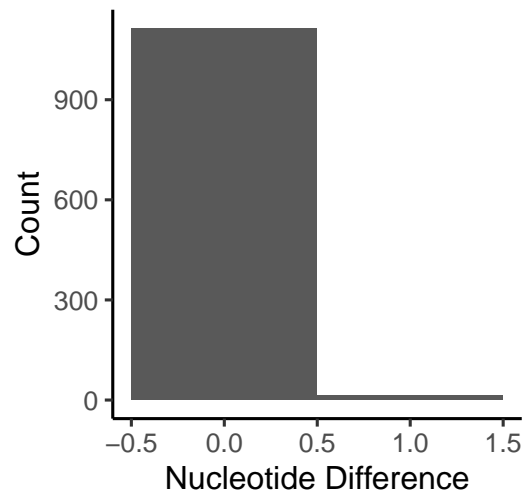
TRBV14*ap01

2454 sequences assigned
2428 (98.9%) exact matches, in which:
2335 unique CDR3
13 unique J



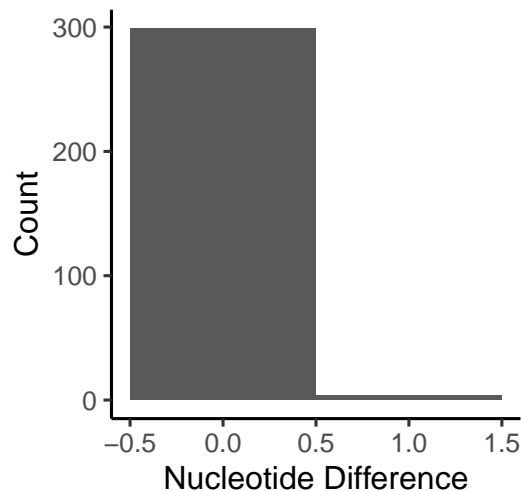
TRBV20-1*ap02

1128 sequences assigned
1114 (98.8%) exact matches, in which:
1072 unique CDR3
13 unique J



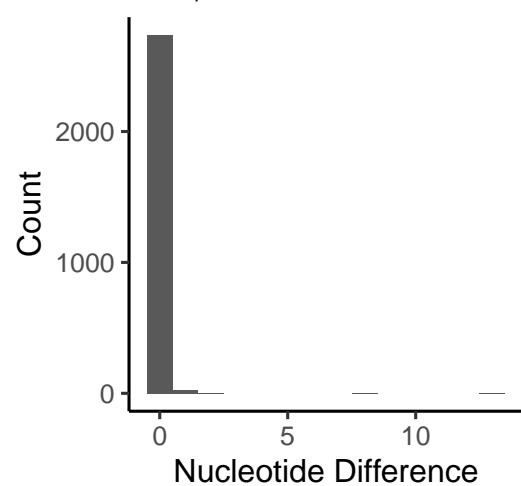
TRBV1*ap01

303 sequences assigned
299 (98.7%) exact matches, in which:
289 unique CDR3
13 unique J



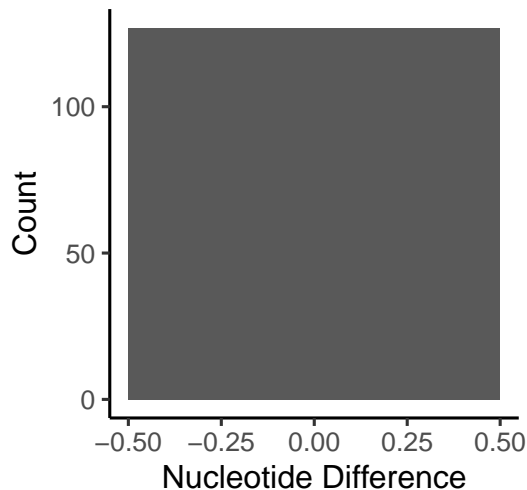
TRBV15*ap02

2766 sequences assigned
2737 (99%) exact matches, in which:
2650 unique CDR3
13 unique J



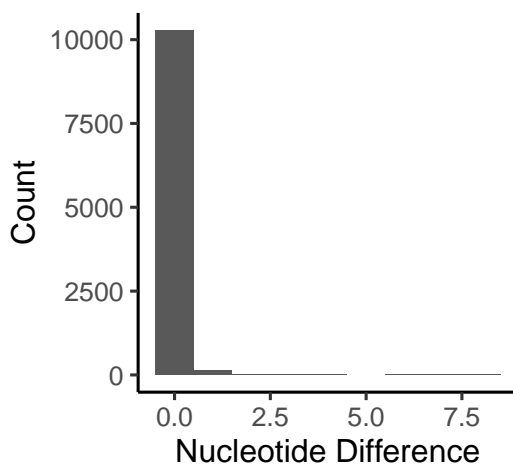
TRBV16*ap01

127 sequences assigned
127 (100%) exact matches, in which:
122 unique CDR3
12 unique J



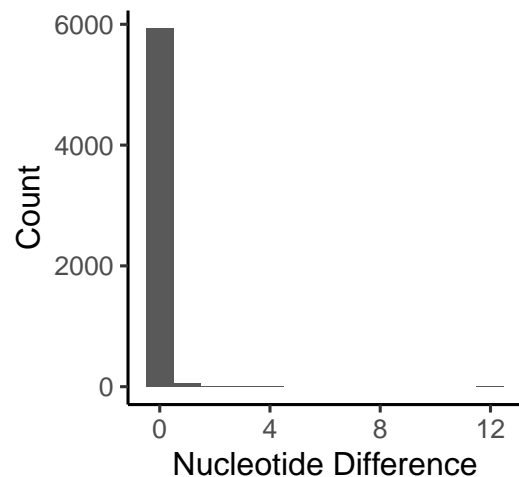
TRBV19*ap01

10424 sequences assigned
10283 (98.6%) exact matches, in which:
10029 unique CDR3
13 unique J



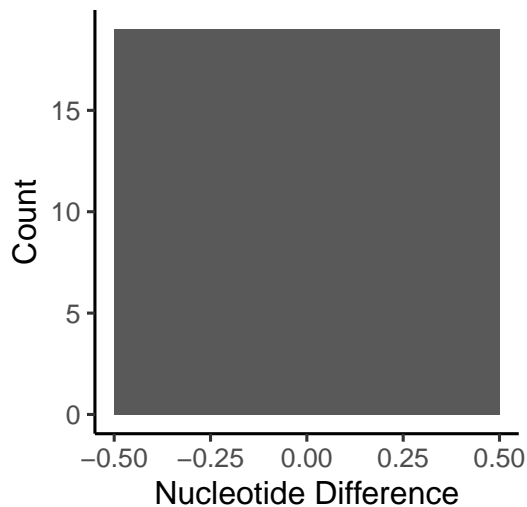
TRBV27*ap01

6002 sequences assigned
5932 (98.8%) exact matches, in which:
5717 unique CDR3
13 unique J



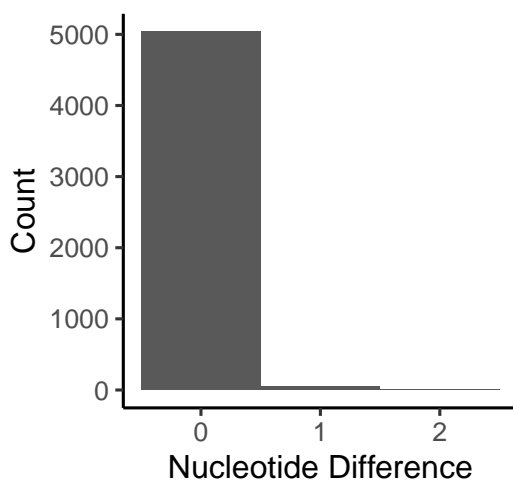
TRBV17*ap01

19 sequences assigned
19 (100%) exact matches, in which:
19 unique CDR3
10 unique J



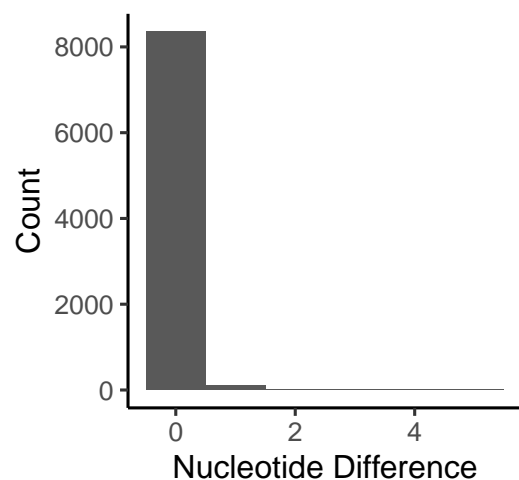
TRBV2*ap01

5091 sequences assigned
5037 (98.9%) exact matches, in which:
4920 unique CDR3
13 unique J



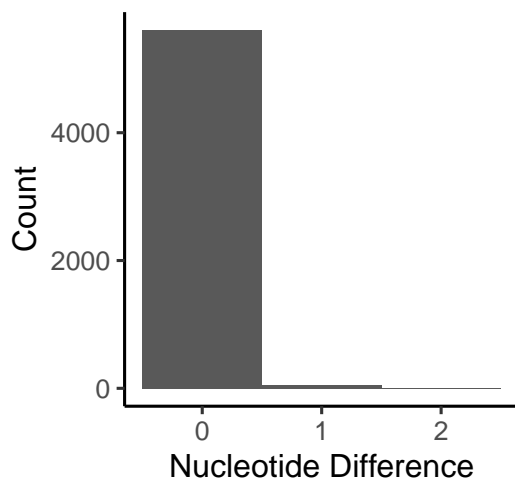
TRBV28*ap01

8457 sequences assigned
8354 (98.8%) exact matches, in which:
8074 unique CDR3
13 unique J



TRBV18*ap01

5657 sequences assigned
5607 (99.1%) exact matches, in which:
5448 unique CDR3
13 unique J



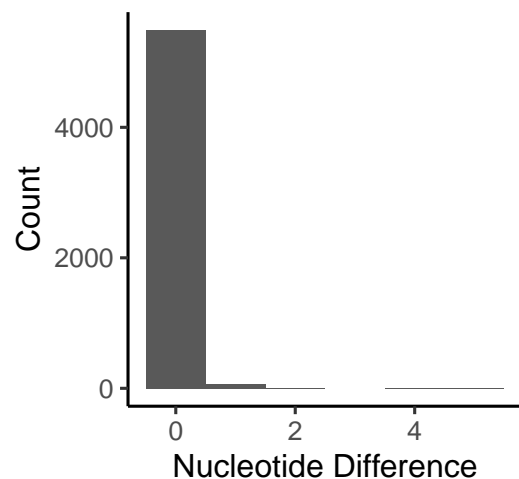
TRBV26*ap01

1 sequences assigned
No exact matches.



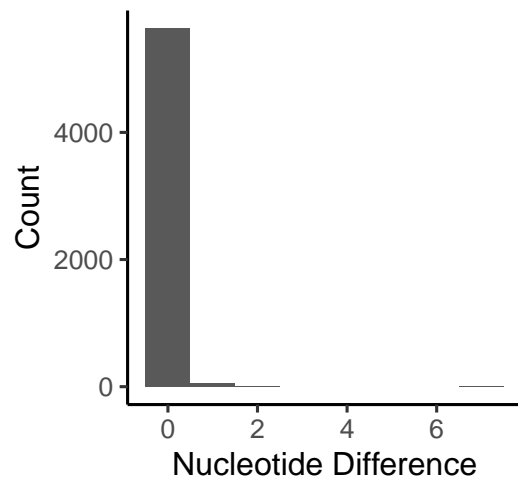
TRBV30*ap01

5566 sequences assigned
5491 (98.7%) exact matches, in which:
5405 unique CDR3
13 unique J



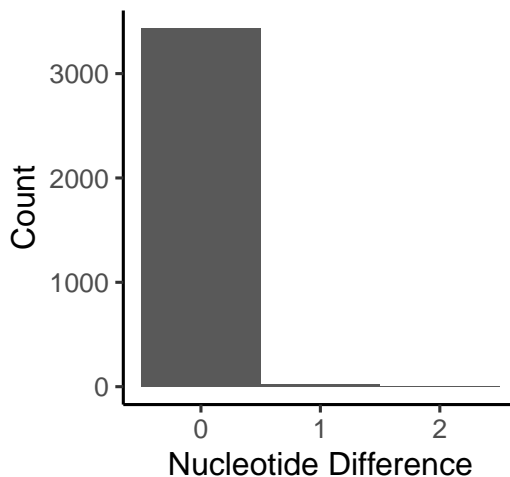
TRBV9*ap01

5689 sequences assigned
5636 (99.1%) exact matches, in which:
5467 unique CDR3
13 unique J



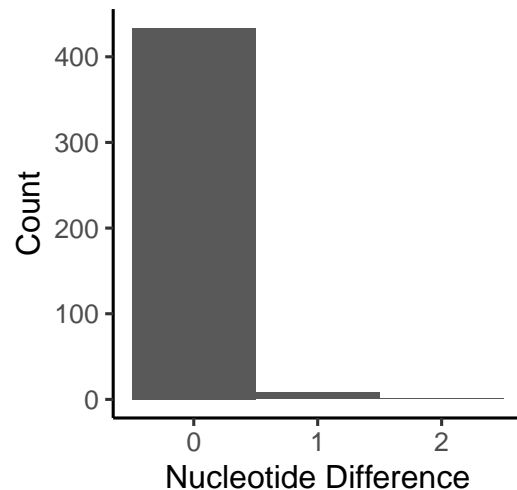
TRBV11-2*ap01

3463 sequences assigned
3433 (99.1%) exact matches, in which:
3339 unique CDR3
13 unique J



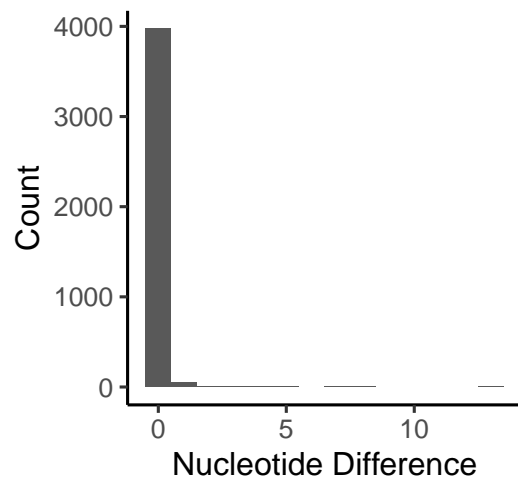
TRBV12-2*ap01

443 sequences assigned
434 (98%) exact matches, in which:
425 unique CDR3
13 unique J



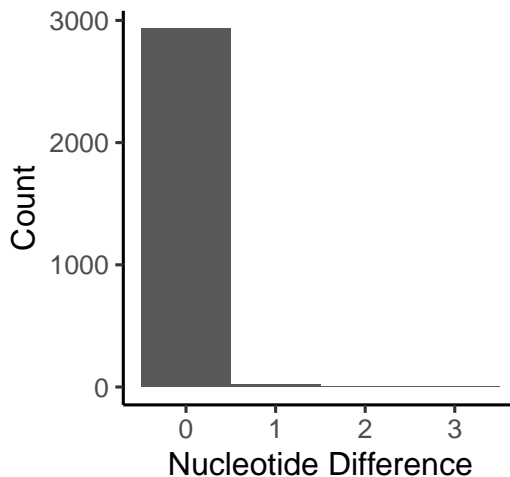
TRBV21-1*ap01

4040 sequences assigned
3974 (98.4%) exact matches, in which:
3868 unique CDR3
13 unique J



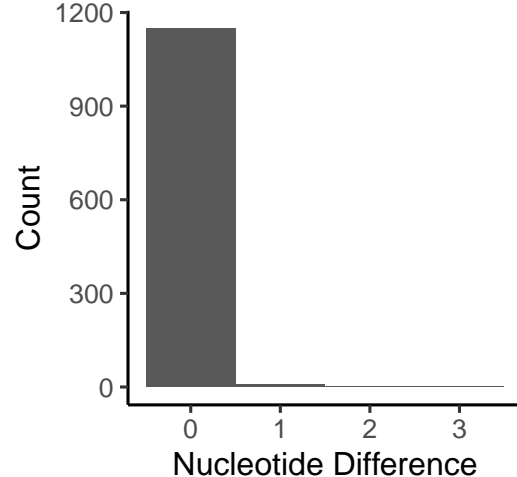
TRBV11-3*ap01

2953 sequences assigned
2932 (99.3%) exact matches, in which:
2869 unique CDR3
13 unique J



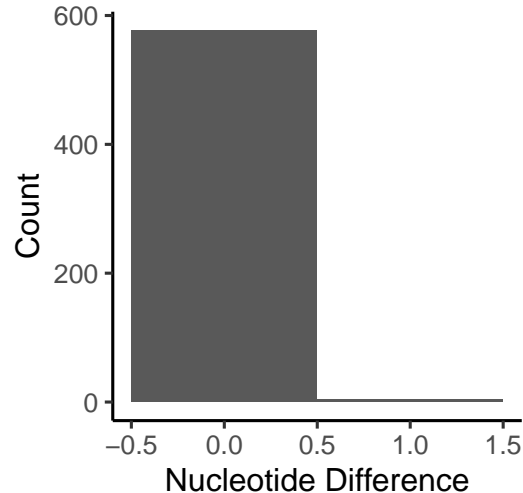
TRBV12-5*ap01

1159 sequences assigned
1148 (99.1%) exact matches, in which:
1111 unique CDR3
13 unique J



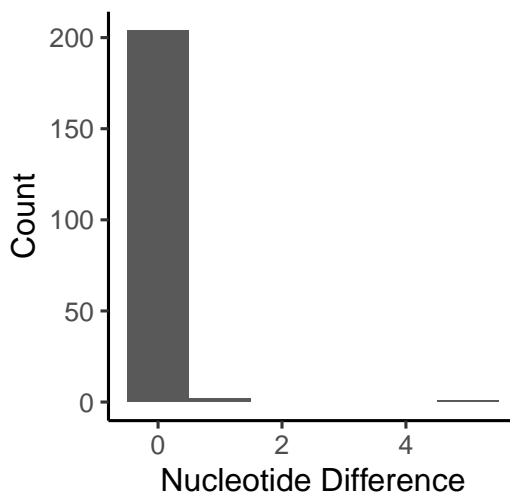
TRBV11-1*ap01

581 sequences assigned
577 (99.3%) exact matches, in which:
567 unique CDR3
13 unique J



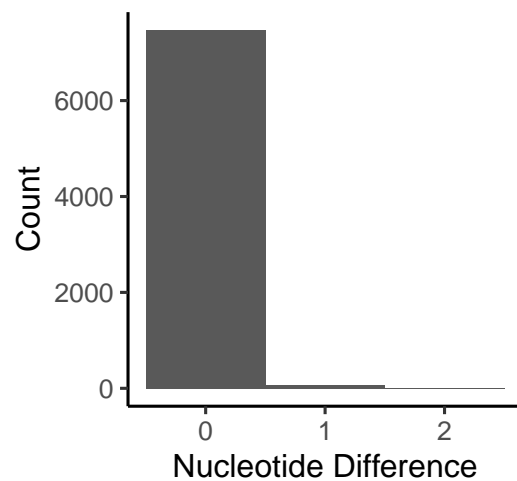
TRBV12-1*ap01

207 sequences assigned
204 (98.6%) exact matches, in which:
196 unique CDR3
13 unique J



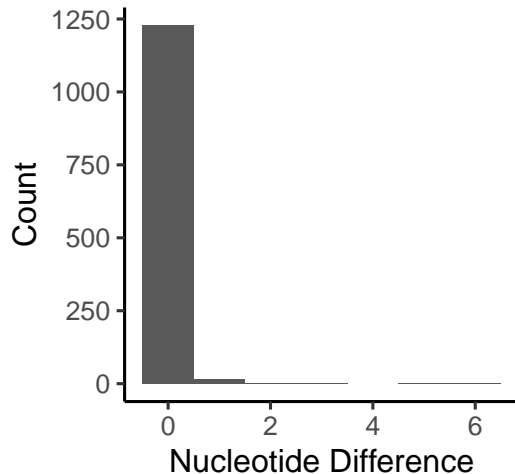
TRBV12-34*ap01

7551 sequences assigned
7471 (98.9%) exact matches, in which:
7252 unique CDR3
13 unique J



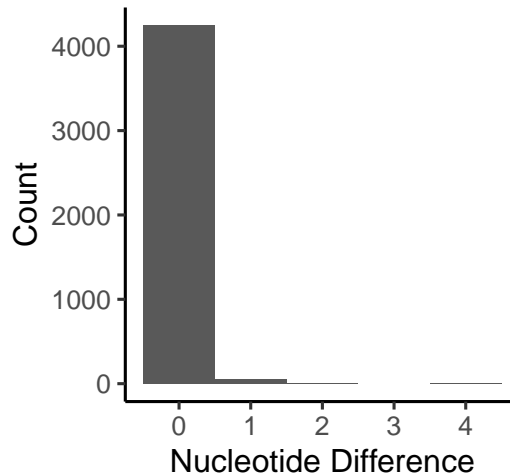
TRBV23-1*ap01

1249 sequences assigned
1228 (98.3%) exact matches, in which:
1187 unique CDR3
13 unique J



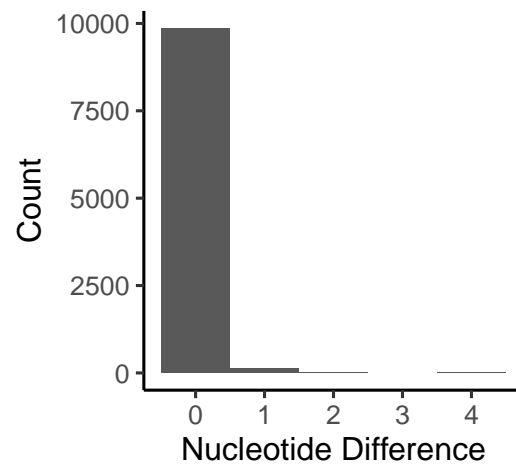
TRBV24-1*ap01

4298 sequences assigned
4247 (98.8%) exact matches, in which:
4156 unique CDR3
13 unique J



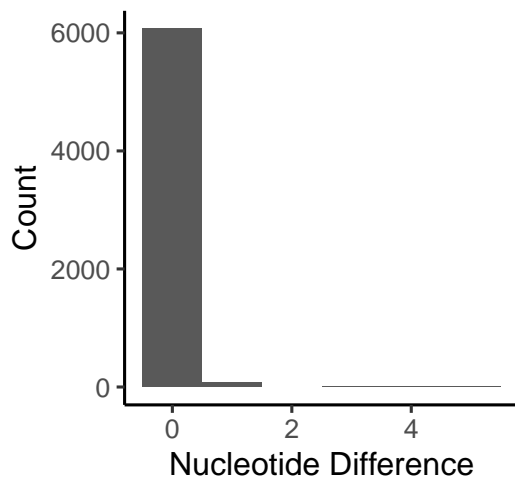
TRBV5-1*ap01

9987 sequences assigned
9865 (98.8%) exact matches, in which:
9509 unique CDR3
13 unique J



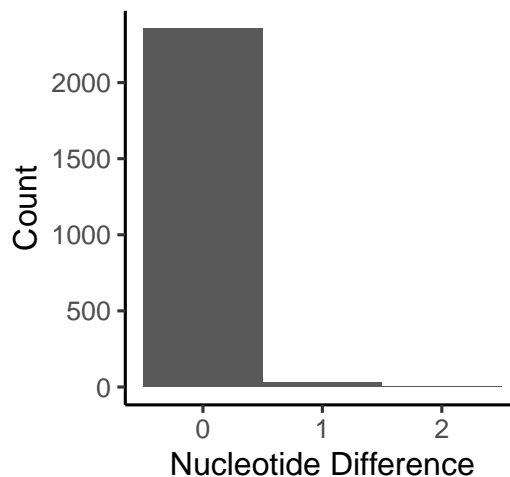
TRBV3-12*ap01

6144 sequences assigned
6070 (98.8%) exact matches, in which:
5912 unique CDR3
13 unique J



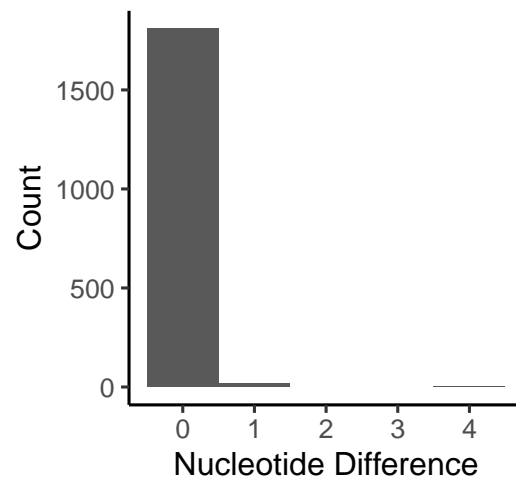
TRBV4-2*ap01

2384 sequences assigned
2354 (98.7%) exact matches, in which:
2289 unique CDR3
13 unique J



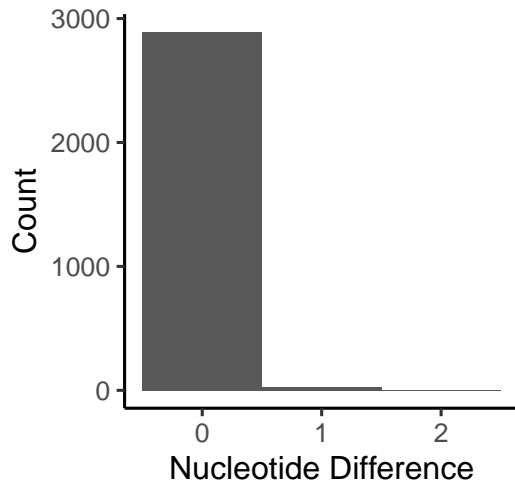
TRBV25-1*ap01

1828 sequences assigned
1809 (99%) exact matches, in which:
1758 unique CDR3
13 unique J



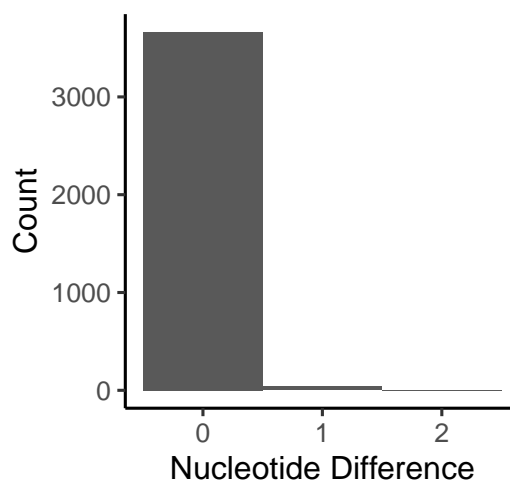
TRBV4-1*ap01

2917 sequences assigned
2891 (99.1%) exact matches, in which:
2824 unique CDR3
13 unique J



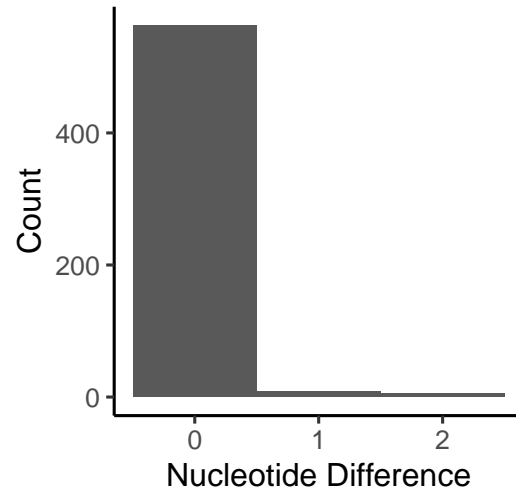
TRBV4-3*ap01

3705 sequences assigned
3663 (98.9%) exact matches, in which:
3571 unique CDR3
13 unique J



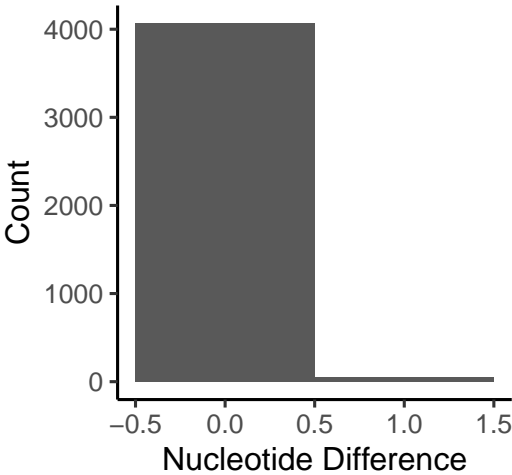
TRBV5-3*ap01

577 sequences assigned
563 (97.6%) exact matches, in which:
545 unique CDR3
13 unique J



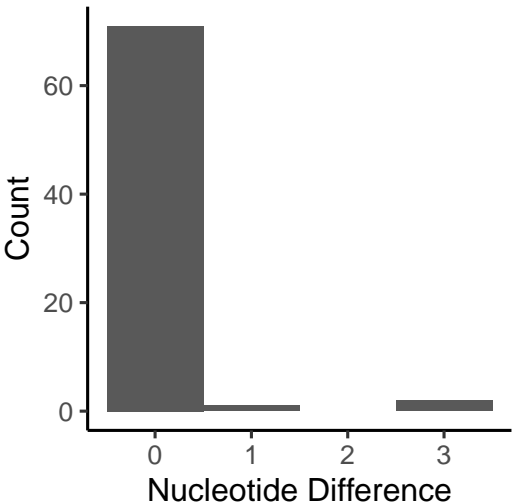
TRBV5-4*ap01

4118 sequences assigned
4066 (98.7%) exact matches, in which:
3938 unique CDR3
13 unique J



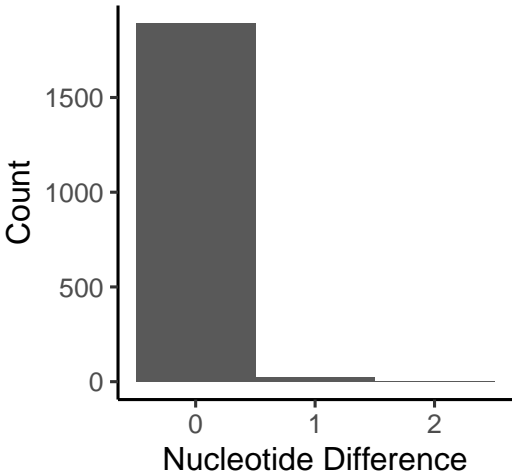
TRBV5-7*ap01

74 sequences assigned
71 (95.9%) exact matches, in which:
70 unique CDR3
12 unique J



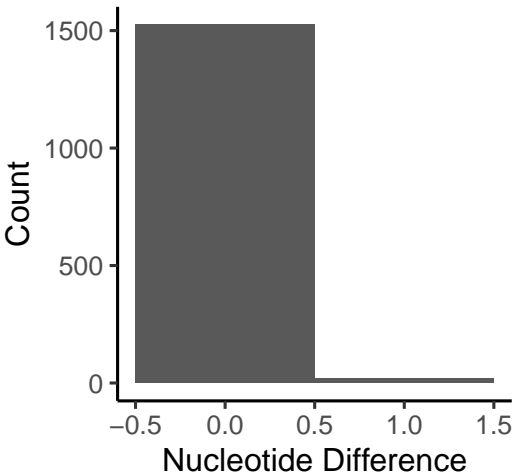
TRBV6-4*ap01

1916 sequences assigned
1891 (98.7%) exact matches, in which:
1829 unique CDR3
13 unique J



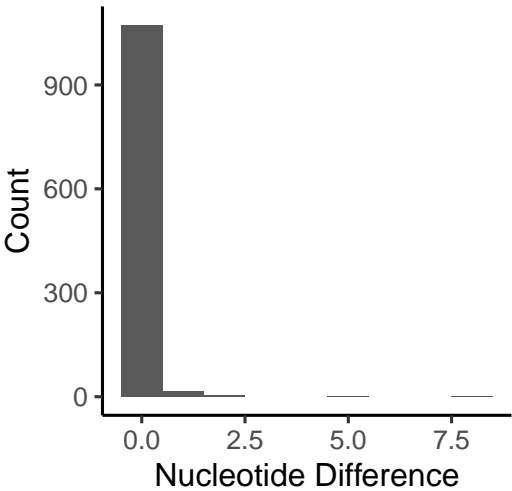
TRBV5-5*ap01

1543 sequences assigned
1525 (98.8%) exact matches, in which:
1492 unique CDR3
13 unique J



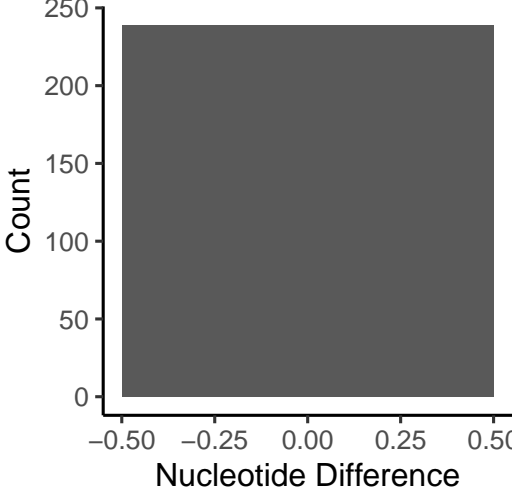
TRBV5-8*ap01

1095 sequences assigned
1073 (98%) exact matches, in which:
1036 unique CDR3
13 unique J



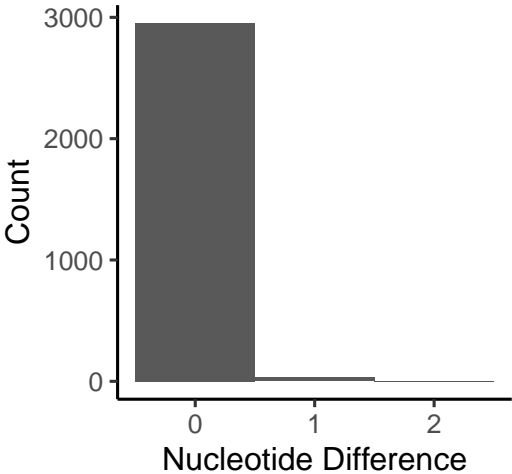
TRBV6-7*ap01

239 sequences assigned
239 (100%) exact matches, in which:
228 unique CDR3
13 unique J



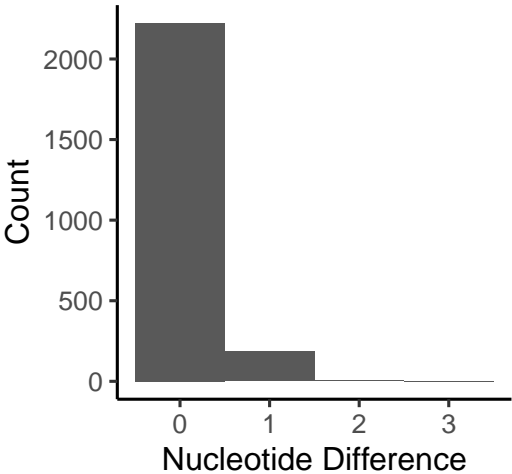
TRBV5-6*ap01

2985 sequences assigned
2953 (98.9%) exact matches, in which:
2857 unique CDR3
13 unique J



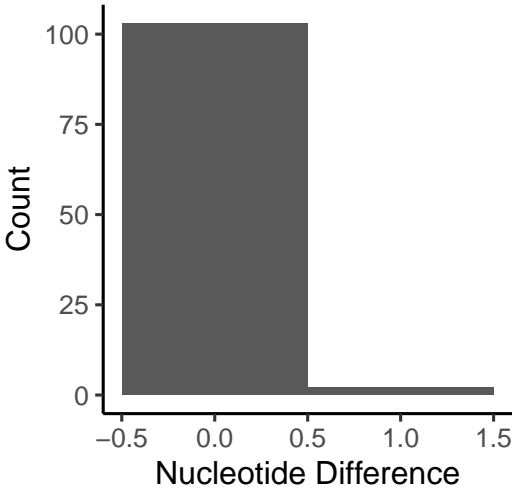
TRBV6-1*ap01

2413 sequences assigned
2223 (92.1%) exact matches, in which:
2152 unique CDR3
13 unique J



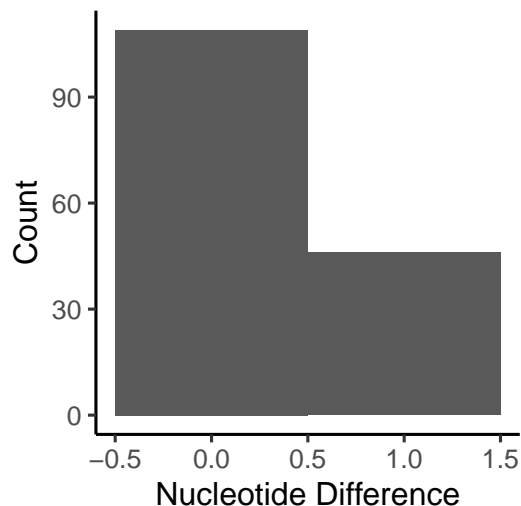
TRBV6-8*ap01

105 sequences assigned
103 (98.1%) exact matches, in which:
101 unique CDR3
12 unique J



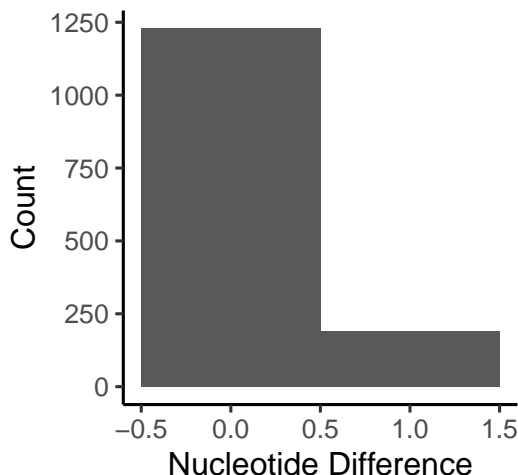
TRBV6–9*ap01

155 sequences assigned
109 (70.3%) exact matches, in which:
106 unique CDR3
11 unique J



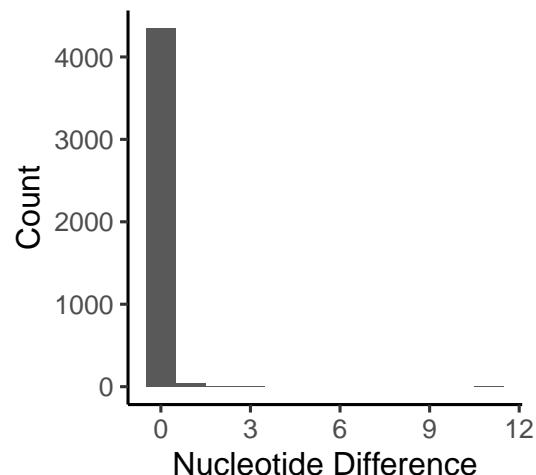
TRBV6–56*ap02

1421 sequences assigned
1229 (86.5%) exact matches, in which:
1196 unique CDR3
13 unique J



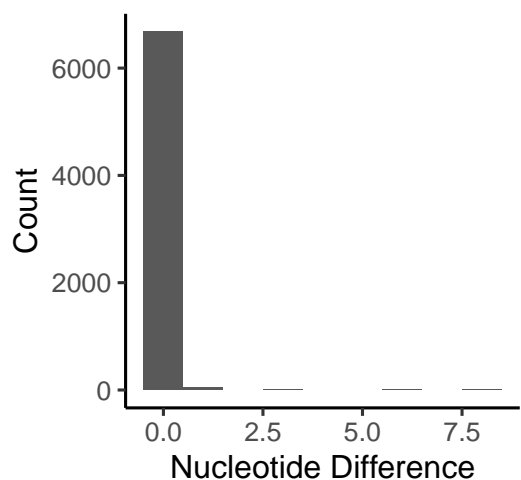
TRBV7–3*ap01

4396 sequences assigned
4346 (98.9%) exact matches, in which:
4236 unique CDR3
13 unique J



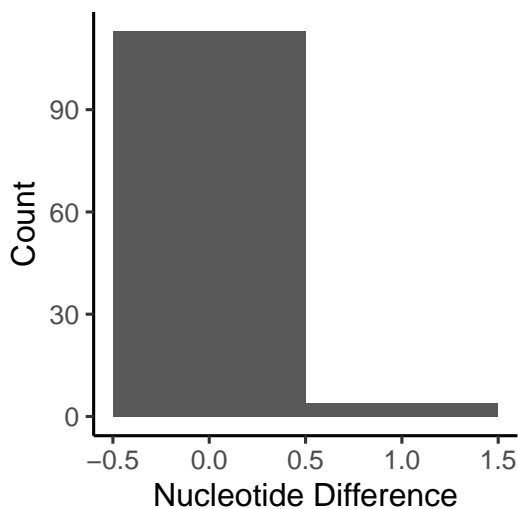
TRBV6–23*ap01

6735 sequences assigned
6678 (99.2%) exact matches, in which:
6482 unique CDR3
13 unique J



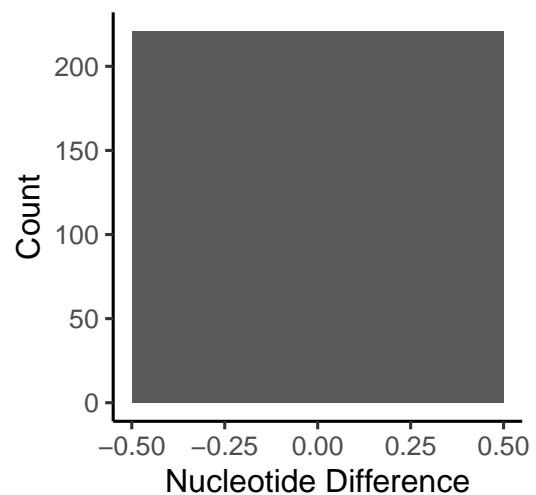
TRBV7–1*ap01_G291C_T

117 sequences assigned
113 (96.6%) exact matches, in which:
107 unique CDR3
13 unique J



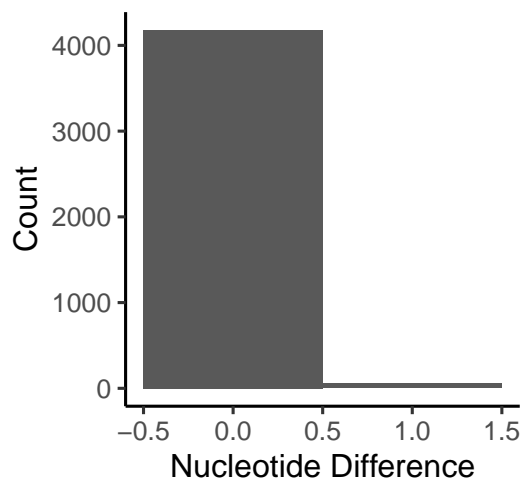
TRBV7–4*ap01

221 sequences assigned
221 (100%) exact matches, in which:
215 unique CDR3
13 unique J



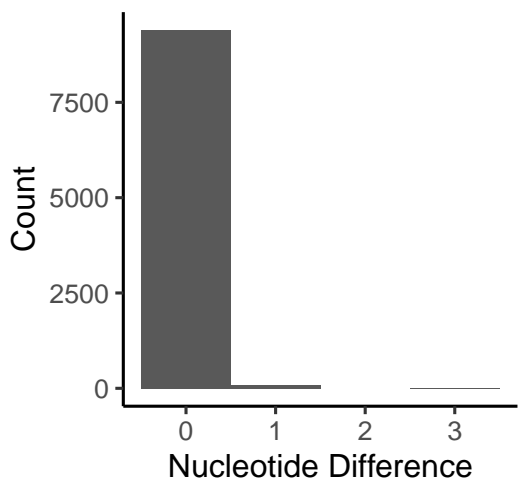
TRBV6–56*ap01

4234 sequences assigned
4179 (98.7%) exact matches, in which:
4038 unique CDR3
14 unique J



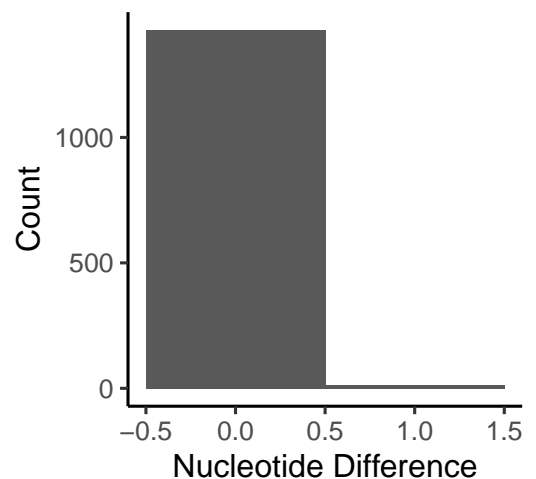
TRBV7–2*ap01

9490 sequences assigned
9396 (99%) exact matches, in which:
9085 unique CDR3
13 unique J



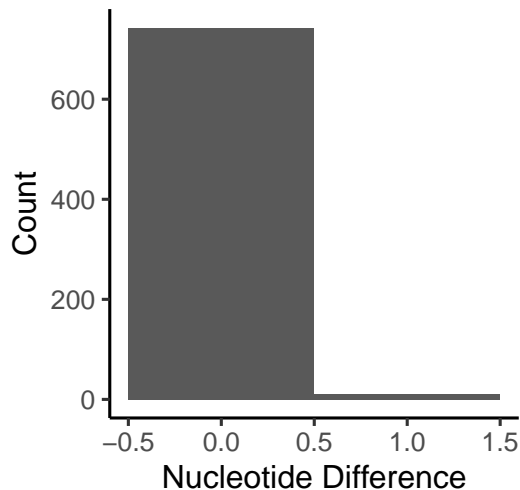
TRBV7–6*ap01

1441 sequences assigned
1428 (99.1%) exact matches, in which:
1393 unique CDR3
13 unique J



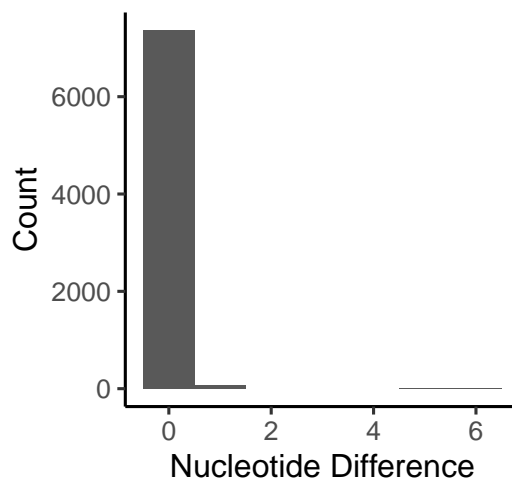
TRBV7-7*ap01_C315T

753 sequences assigned
743 (98.7%) exact matches, in which:
723 unique CDR3
13 unique J



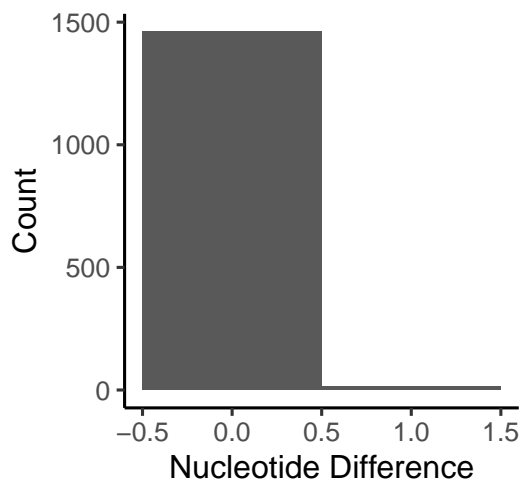
TRBV7-9*ap01

7429 sequences assigned
7362 (99.1%) exact matches, in which:
7151 unique CDR3
13 unique J



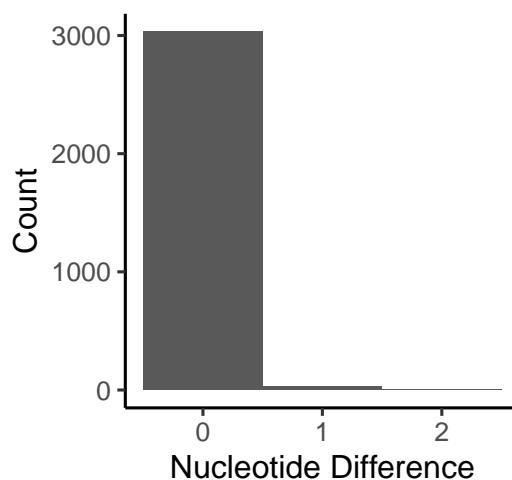
TRBV7-8*ap01

1476 sequences assigned
1461 (99%) exact matches, in which:
1413 unique CDR3
13 unique J



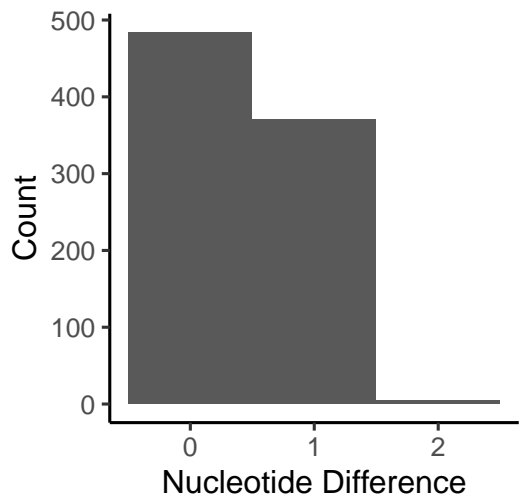
TRBV29-1*ap01

3062 sequences assigned
3032 (99%) exact matches, in which:
2954 unique CDR3
13 unique J



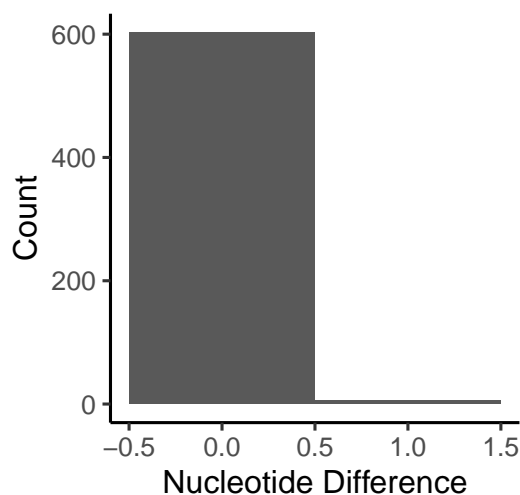
TRBV7-8*ap03

860 sequences assigned
484 (56.3%) exact matches, in which:
463 unique CDR3
13 unique J

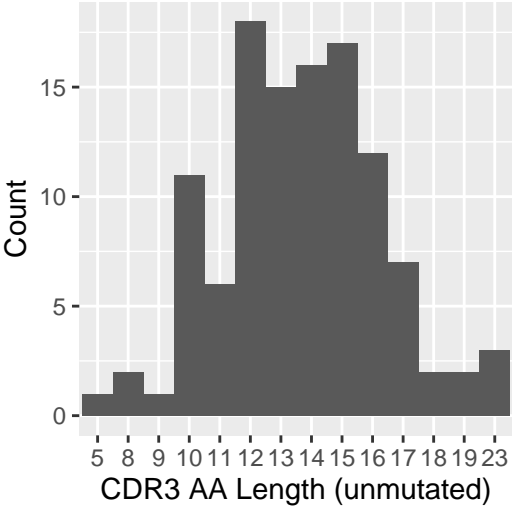


TRBV29-1*ap02

608 sequences assigned
603 (99.2%) exact matches, in which:
588 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

