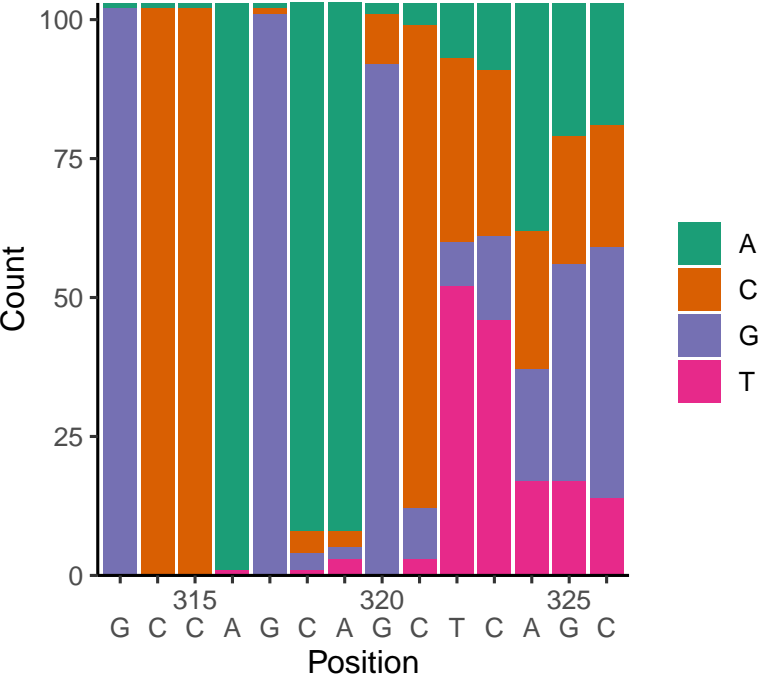
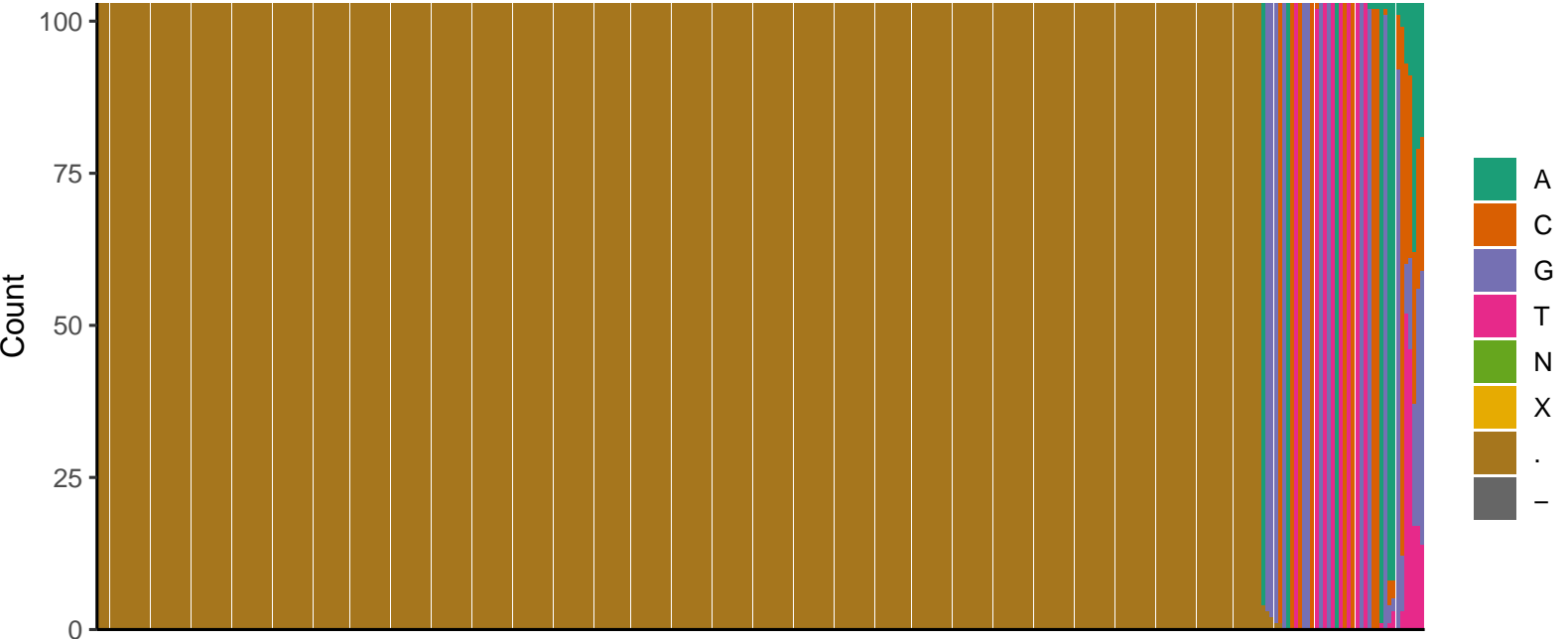


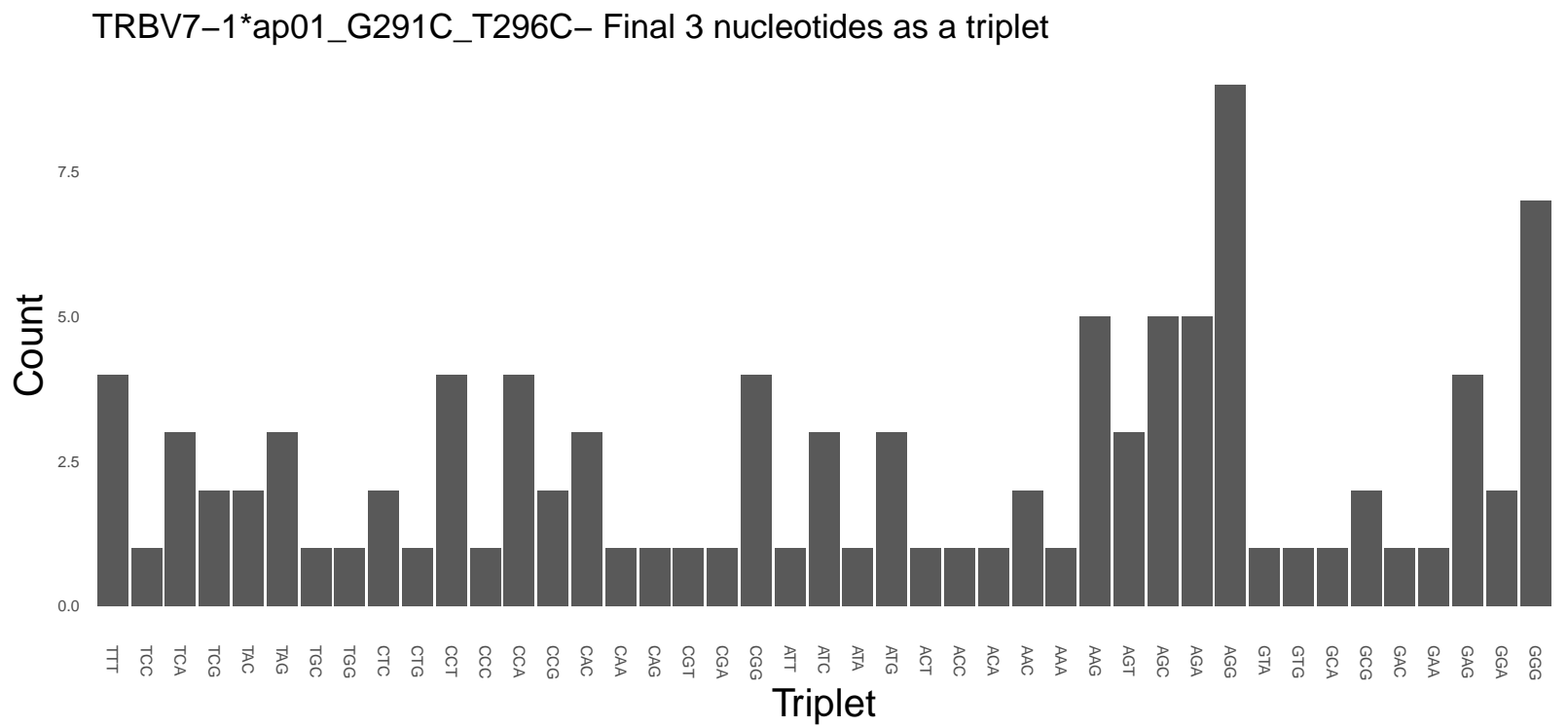
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C

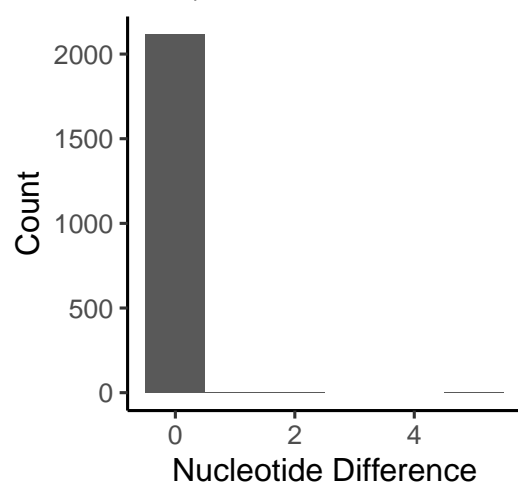


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



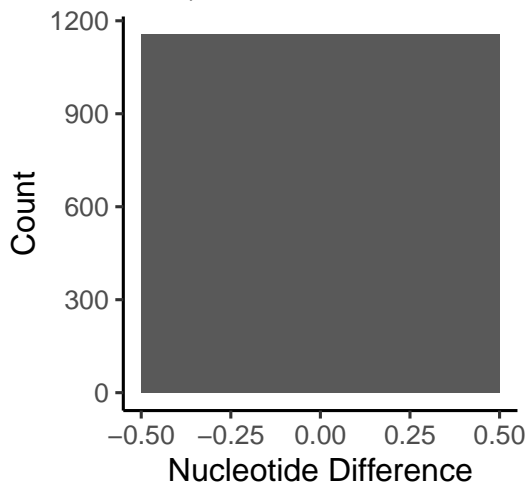
TRBV10-1*ap01

2120 sequences assigned
2116 (99.8%) exact matches, in which:
2115 unique CDR3
13 unique J



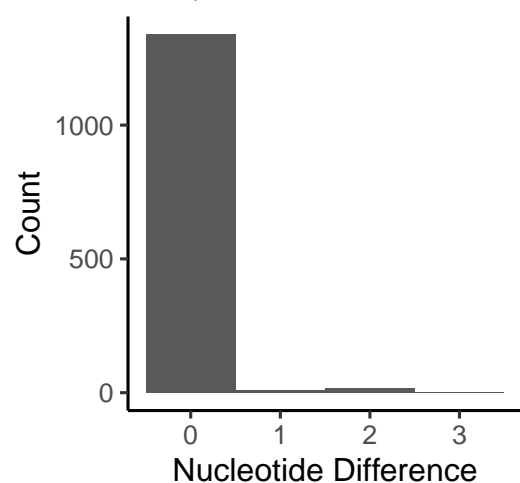
TRBV10-2*ap01

1156 sequences assigned
1156 (100%) exact matches, in which:
1155 unique CDR3
13 unique J



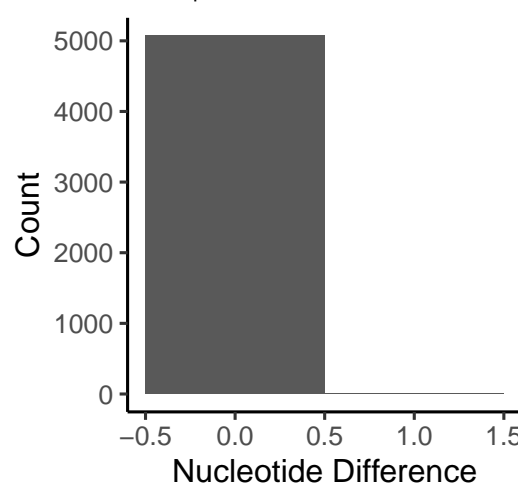
TRBV13*ap01

1368 sequences assigned
1339 (97.9%) exact matches, in which:
1337 unique CDR3
13 unique J



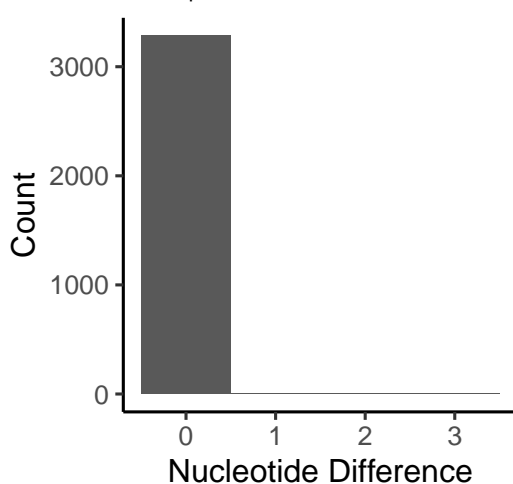
TRBV20-1*ap01

5085 sequences assigned
5072 (99.7%) exact matches, in which:
5064 unique CDR3
13 unique J



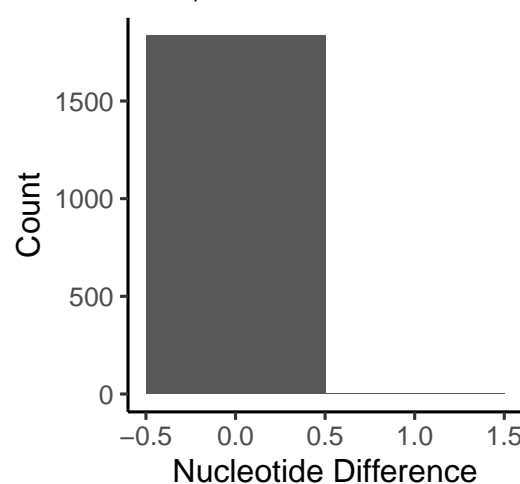
TRBV10-3*ap01

3289 sequences assigned
3284 (99.8%) exact matches, in which:
3282 unique CDR3
13 unique J



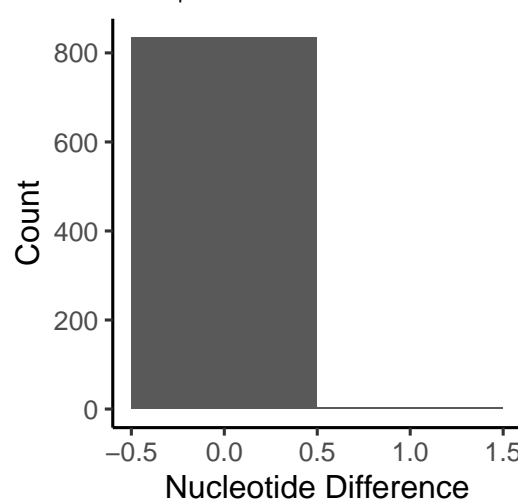
TRBV14*ap01

1835 sequences assigned
1834 (99.9%) exact matches, in which:
1834 unique CDR3
13 unique J



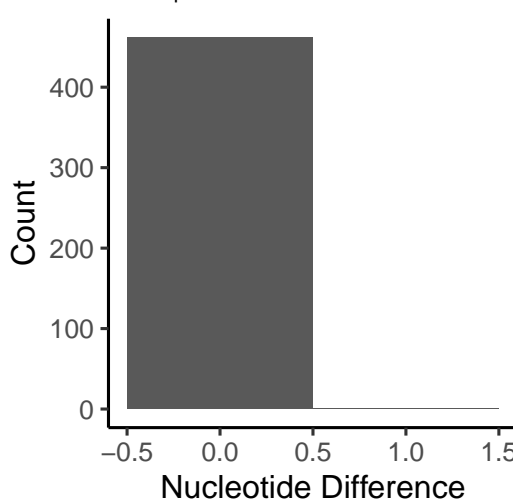
TRBV20-1*ap02

838 sequences assigned
835 (99.6%) exact matches, in which:
833 unique CDR3
13 unique J



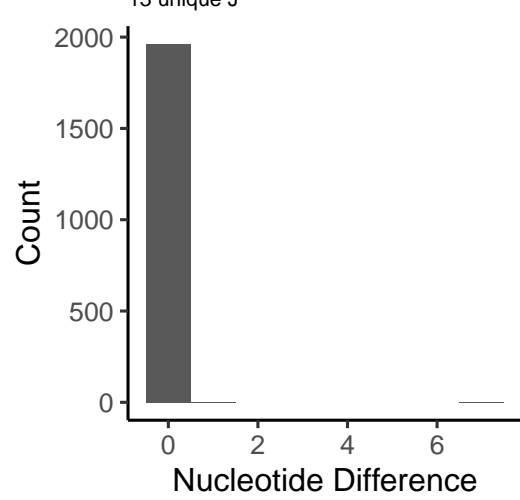
TRBV1*ap01

463 sequences assigned
462 (99.8%) exact matches, in which:
461 unique CDR3
13 unique J



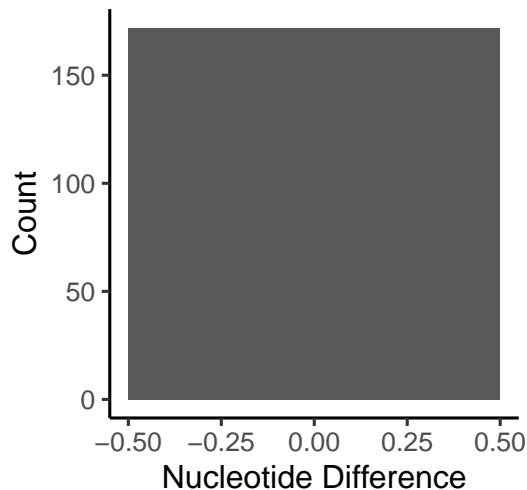
TRBV15*ap02

1965 sequences assigned
1962 (99.8%) exact matches, in which:
1959 unique CDR3
13 unique J



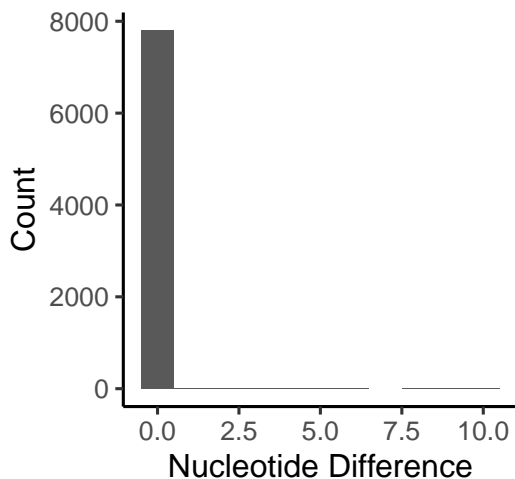
TRBV16*ap01

172 sequences assigned
172 (100%) exact matches, in which:
172 unique CDR3
13 unique J



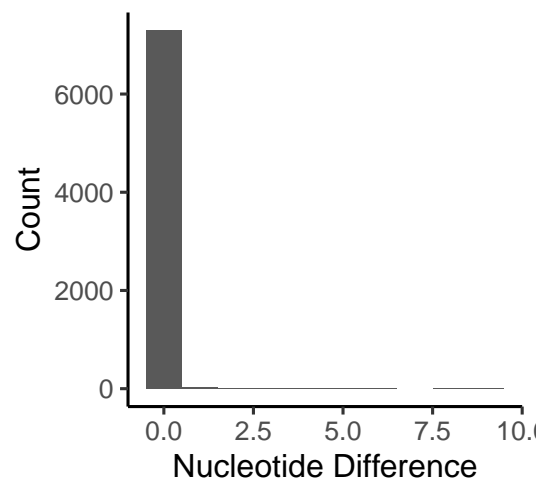
TRBV19*ap01

7834 sequences assigned
7801 (99.6%) exact matches, in which:
7799 unique CDR3
13 unique J



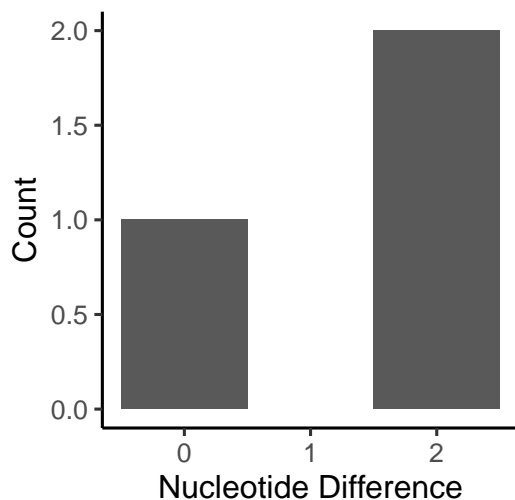
TRBV27*ap01

7342 sequences assigned
7296 (99.4%) exact matches, in which:
7266 unique CDR3
13 unique J



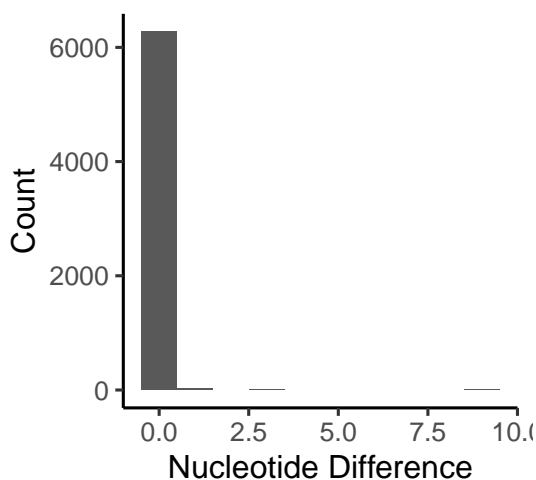
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



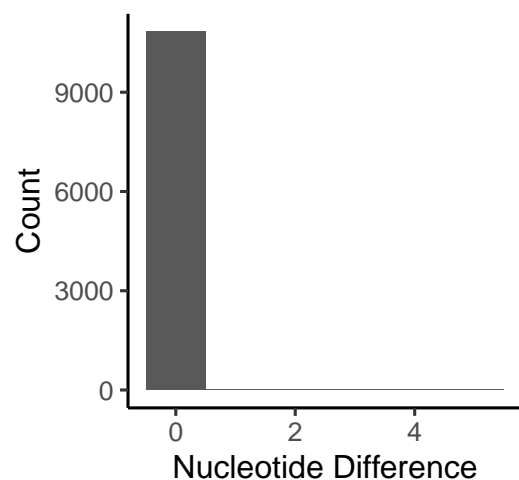
TRBV2*ap01

6299 sequences assigned
6274 (99.6%) exact matches, in which:
6260 unique CDR3
13 unique J



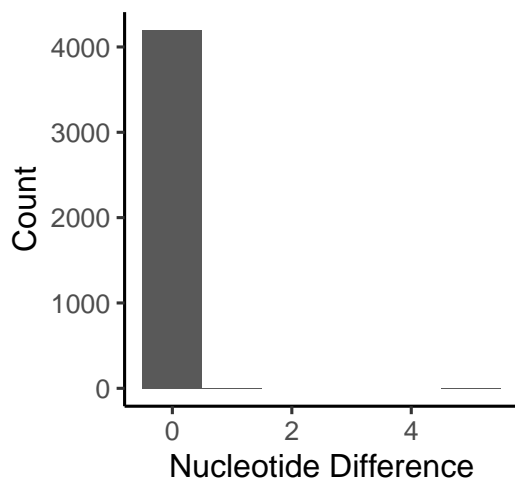
TRBV28*ap01

10846 sequences assigned
10829 (99.8%) exact matches, in which:
10825 unique CDR3
13 unique J



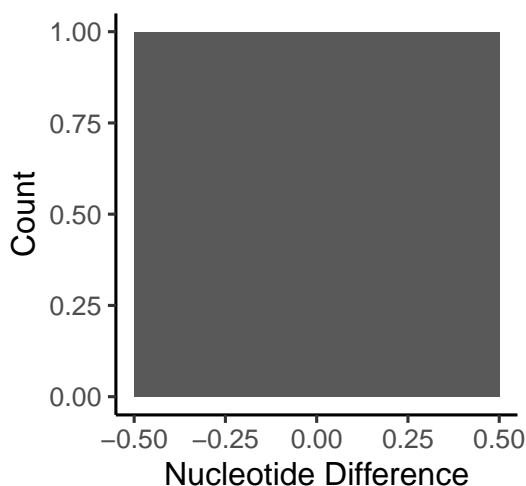
TRBV18*ap01

4202 sequences assigned
4198 (99.9%) exact matches, in which:
4195 unique CDR3
13 unique J



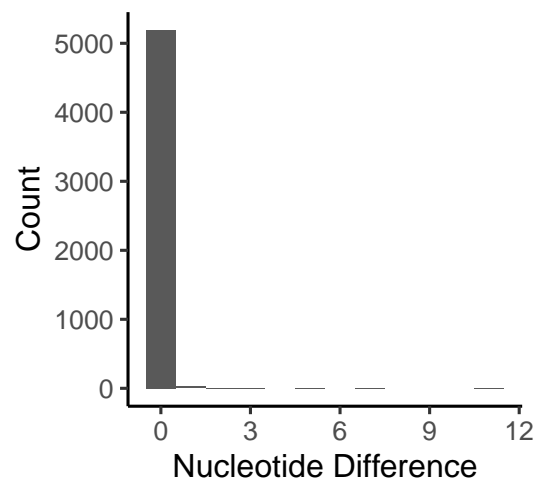
TRBV26*ap01

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



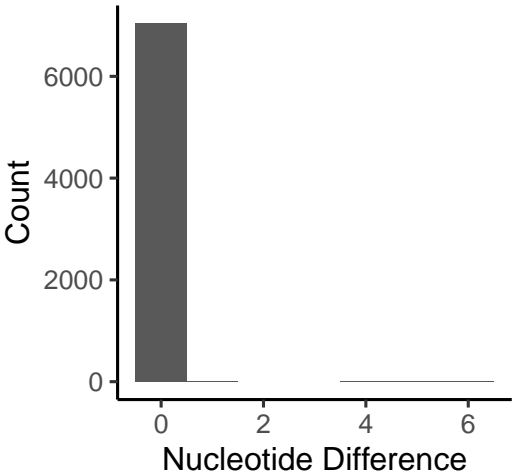
TRBV30*ap01

5226 sequences assigned
5192 (99.3%) exact matches, in which:
5178 unique CDR3
13 unique J



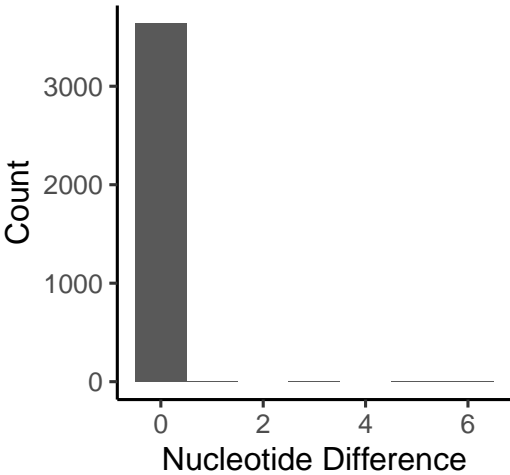
TRBV9*ap01

7053 sequences assigned
7040 (99.8%) exact matches, in which:
7027 unique CDR3
13 unique J



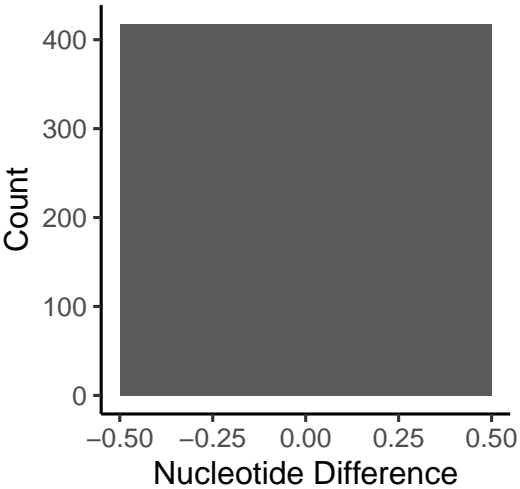
TRBV11-2*ap01

3643 sequences assigned
3638 (99.9%) exact matches, in which:
3636 unique CDR3
13 unique J



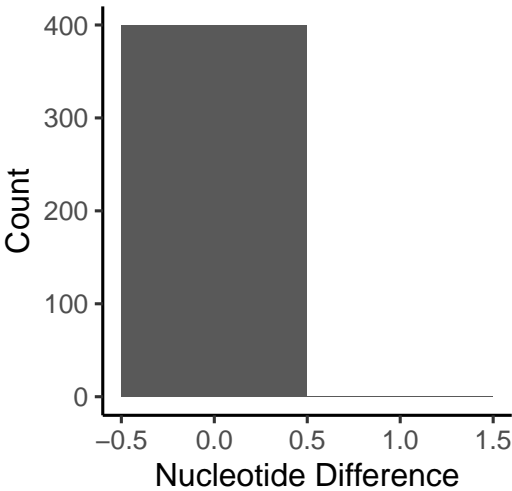
TRBV12-2*ap01

418 sequences assigned
418 (100%) exact matches, in which:
417 unique CDR3
13 unique J



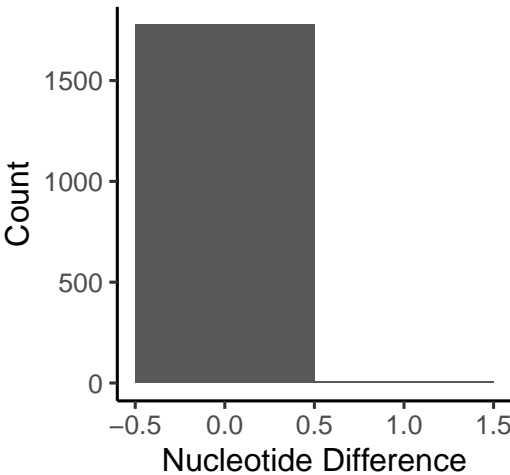
TRBV11-1*ap01

401 sequences assigned
400 (99.8%) exact matches, in which:
400 unique CDR3
13 unique J



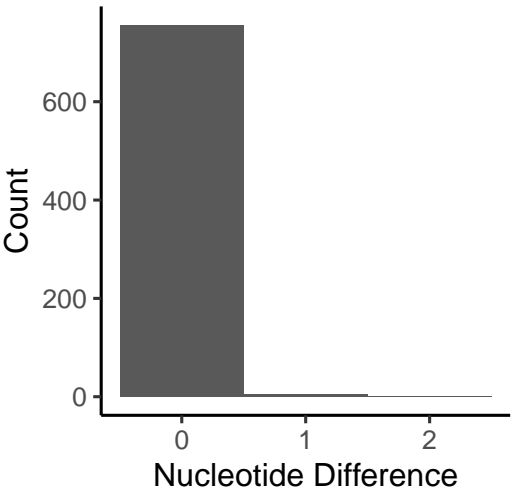
TRBV11-3*ap01

1782 sequences assigned
1777 (99.7%) exact matches, in which:
1777 unique CDR3
13 unique J



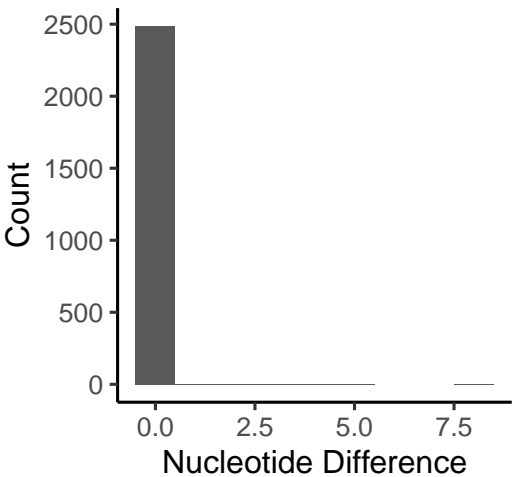
TRBV12-5*ap01

762 sequences assigned
756 (99.2%) exact matches, in which:
756 unique CDR3
13 unique J



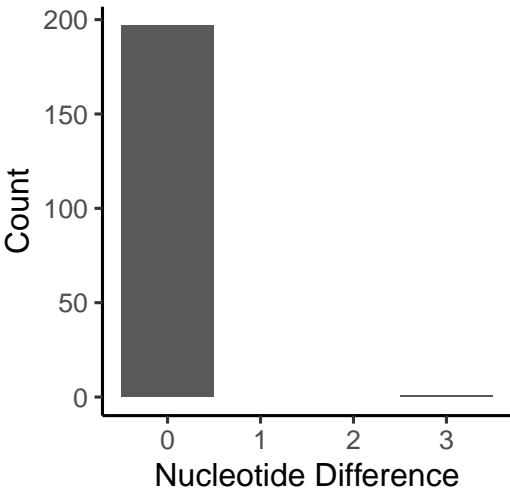
TRBV21-1*ap01

2500 sequences assigned
2487 (99.5%) exact matches, in which:
2487 unique CDR3
13 unique J



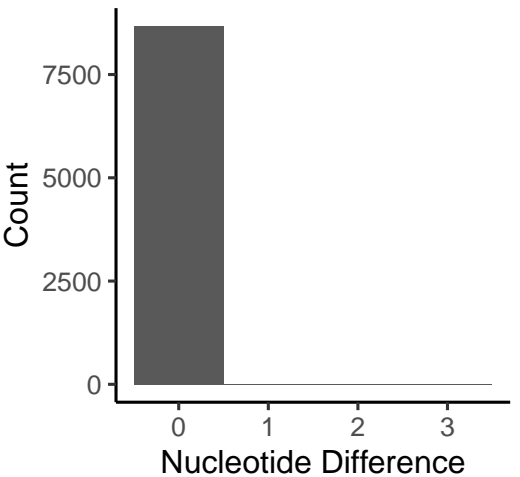
TRBV12-1*ap01

198 sequences assigned
197 (99.5%) exact matches, in which:
197 unique CDR3
13 unique J



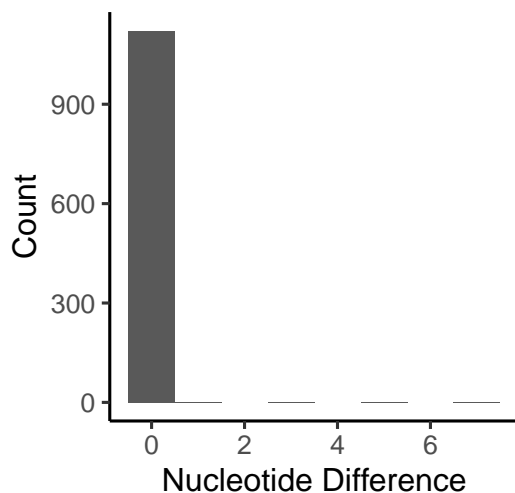
TRBV12-34*ap01

8690 sequences assigned
8674 (99.8%) exact matches, in which:
8670 unique CDR3
13 unique J



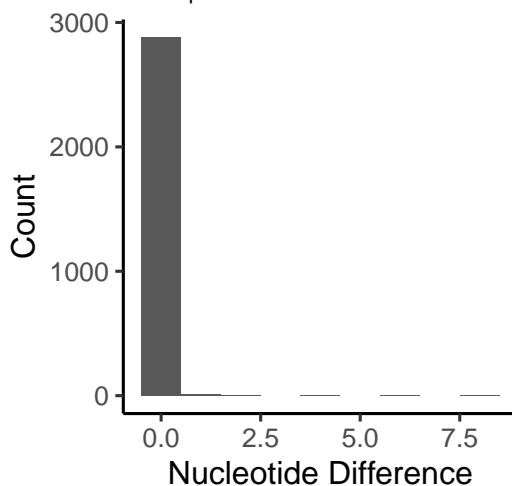
TRBV23–1*ap01

1128 sequences assigned
1122 (99.5%) exact matches, in which:
1122 unique CDR3
13 unique J



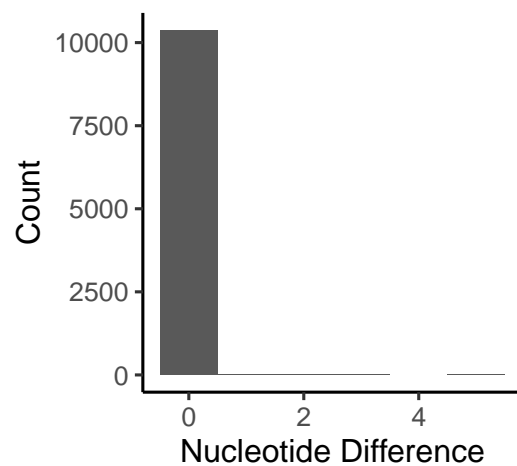
TRBV24–1*ap01

2899 sequences assigned
2880 (99.3%) exact matches, in which:
2876 unique CDR3
13 unique J



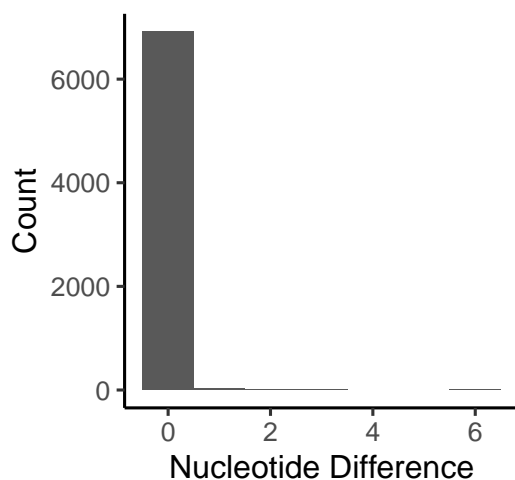
TRBV5–1*ap01

10404 sequences assigned
10375 (99.7%) exact matches, in which:
10347 unique CDR3
13 unique J



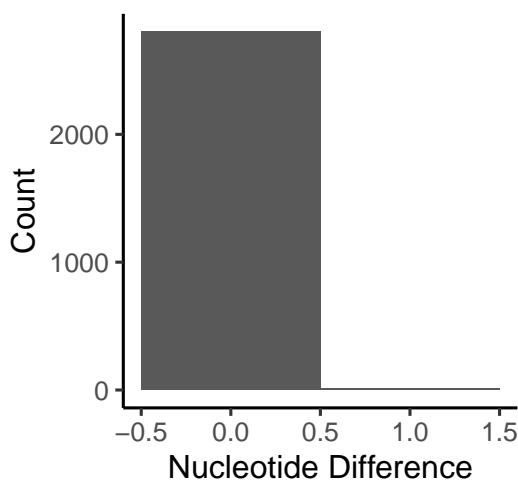
TRBV3–12*ap01

6943 sequences assigned
6915 (99.6%) exact matches, in which:
6902 unique CDR3
13 unique J



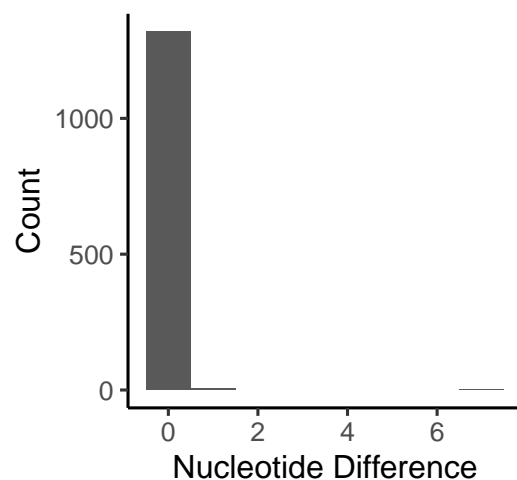
TRBV4–2*ap01

2817 sequences assigned
2803 (99.5%) exact matches, in which:
2799 unique CDR3
13 unique J



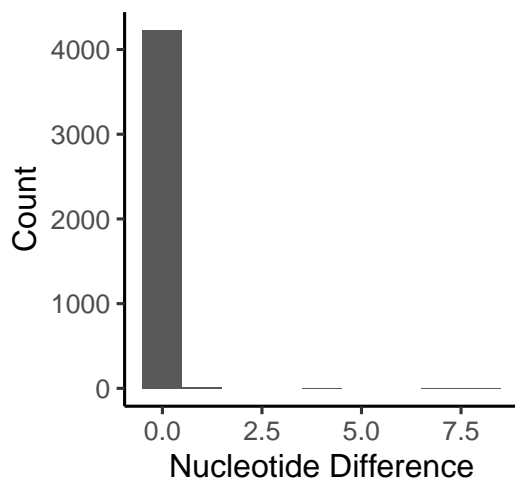
TRBV25–1*ap01

1325 sequences assigned
1319 (99.5%) exact matches, in which:
1313 unique CDR3
13 unique J



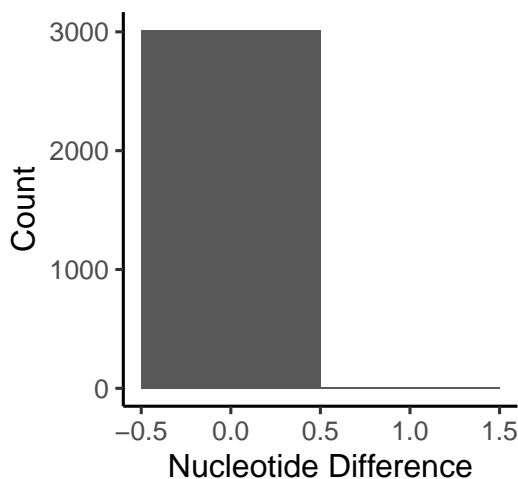
TRBV4–1*ap01

4248 sequences assigned
4230 (99.6%) exact matches, in which:
4222 unique CDR3
13 unique J



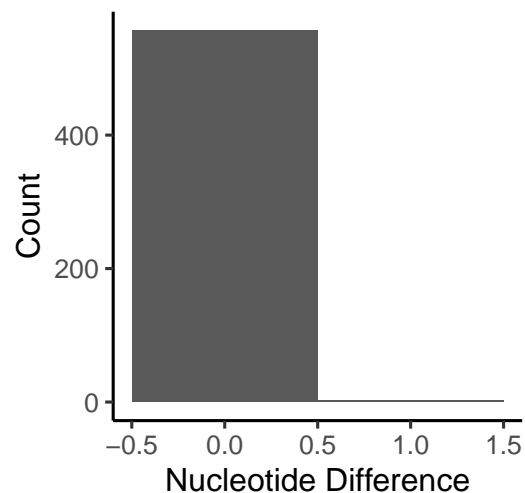
TRBV4–3*ap01

3028 sequences assigned
3015 (99.6%) exact matches, in which:
3009 unique CDR3
13 unique J



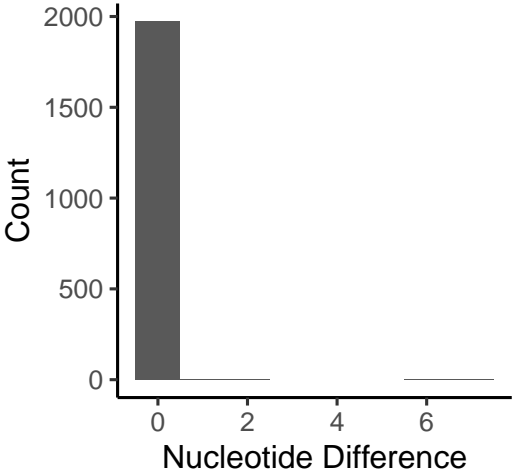
TRBV5–3*ap01

559 sequences assigned
557 (99.6%) exact matches, in which:
556 unique CDR3
13 unique J



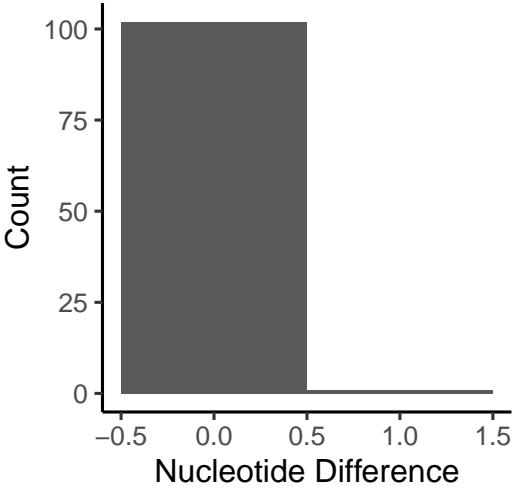
TRBV5-4*ap01

1979 sequences assigned
1973 (99.7%) exact matches, in which:
1973 unique CDR3
13 unique J



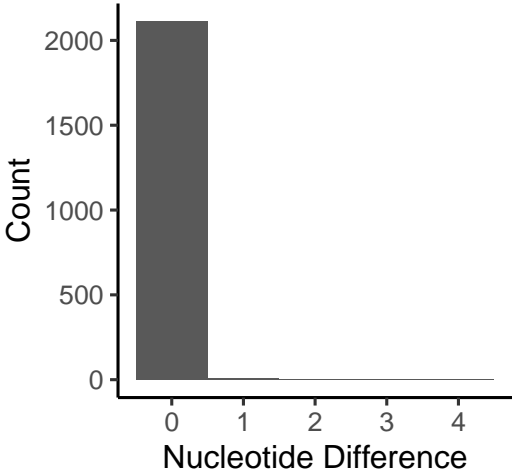
TRBV5-7*ap01

103 sequences assigned
102 (99%) exact matches, in which:
102 unique CDR3
13 unique J



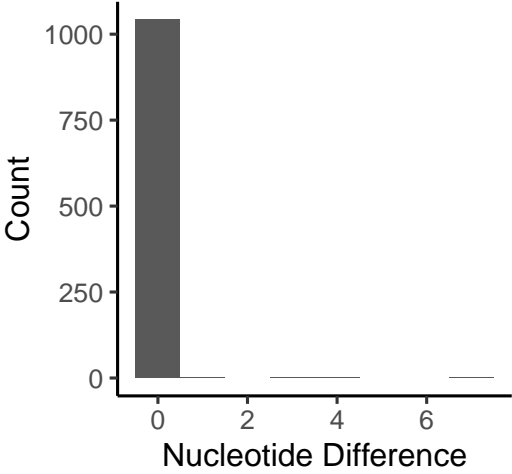
TRBV6-4*ap01

2124 sequences assigned
2112 (99.4%) exact matches, in which:
2111 unique CDR3
13 unique J



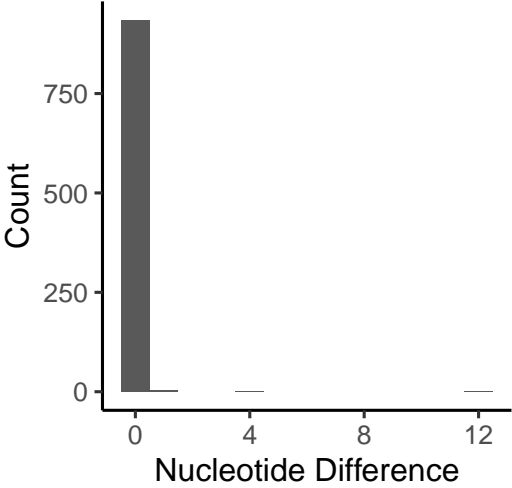
TRBV5-5*ap01

1047 sequences assigned
1042 (99.5%) exact matches, in which:
1040 unique CDR3
13 unique J



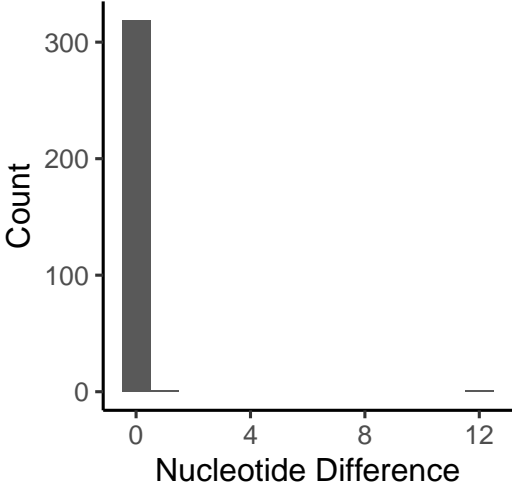
TRBV5-8*ap01

941 sequences assigned
935 (99.4%) exact matches, in which:
935 unique CDR3
13 unique J



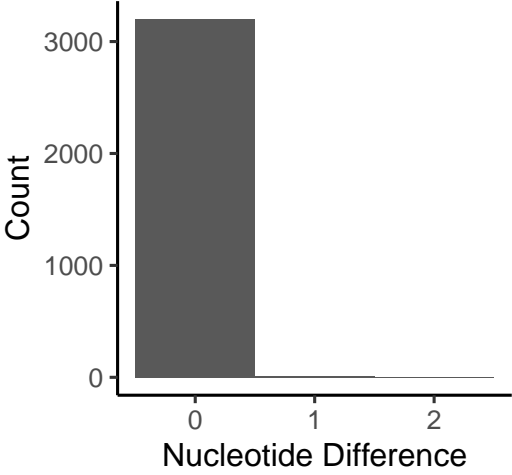
TRBV6-7*ap01

321 sequences assigned
319 (99.4%) exact matches, in which:
319 unique CDR3
13 unique J



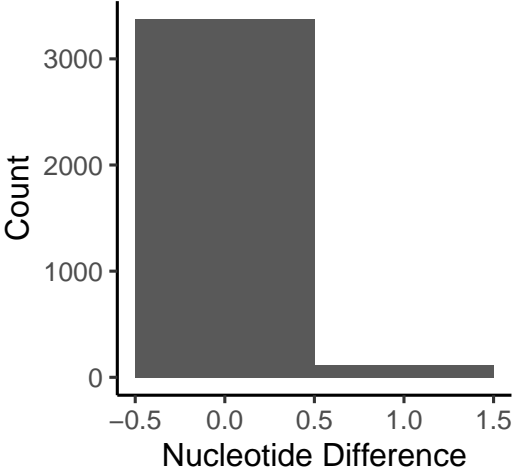
TRBV5-6*ap01

3214 sequences assigned
3201 (99.6%) exact matches, in which:
3191 unique CDR3
13 unique J



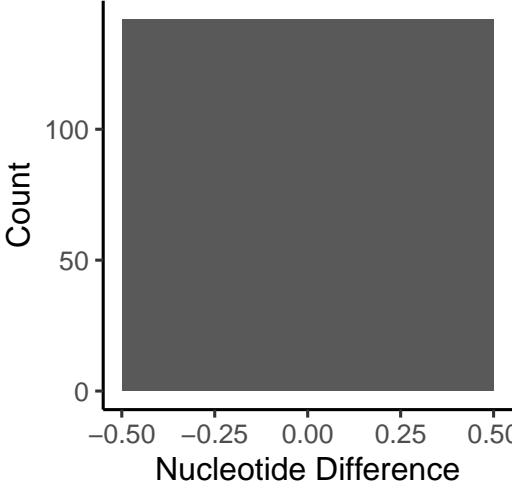
TRBV6-1*ap01

3489 sequences assigned
3375 (96.7%) exact matches, in which:
3366 unique CDR3
13 unique J



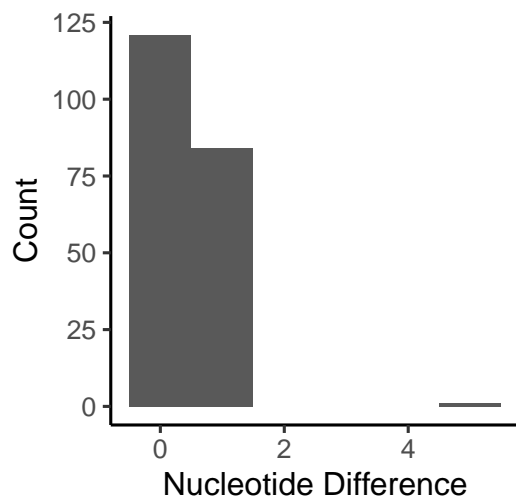
TRBV6-8*ap01

142 sequences assigned
142 (100%) exact matches, in which:
142 unique CDR3
13 unique J



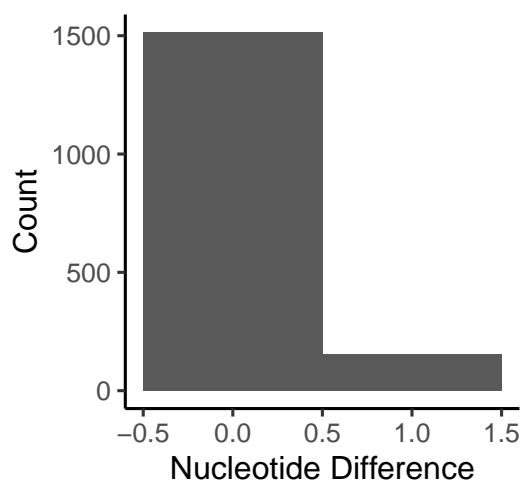
TRBV6–9*ap01

206 sequences assigned
121 (58.7%) exact matches, in which:
121 unique CDR3
13 unique J



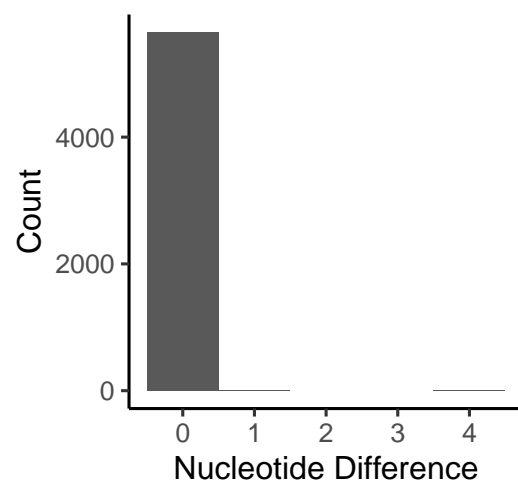
TRBV6–56*ap02

1669 sequences assigned
1514 (90.7%) exact matches, in which:
1506 unique CDR3
13 unique J



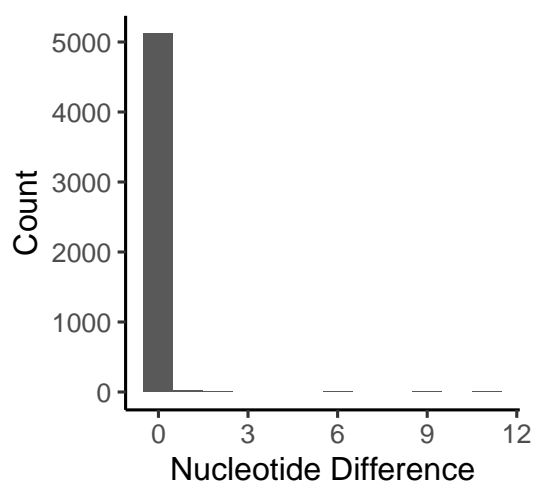
TRBV7–2*ap01

5664 sequences assigned
5652 (99.8%) exact matches, in which:
5652 unique CDR3
13 unique J



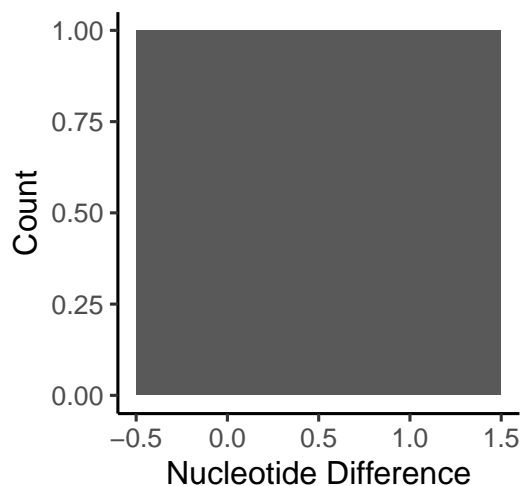
TRBV6–23*ap01

5143 sequences assigned
5118 (99.5%) exact matches, in which:
5103 unique CDR3
13 unique J



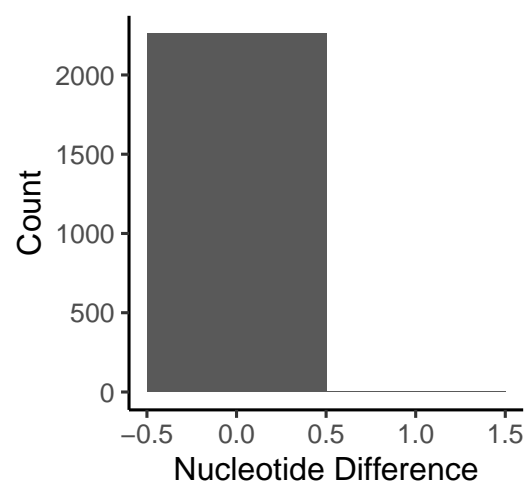
TRBV7–1*ap01

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



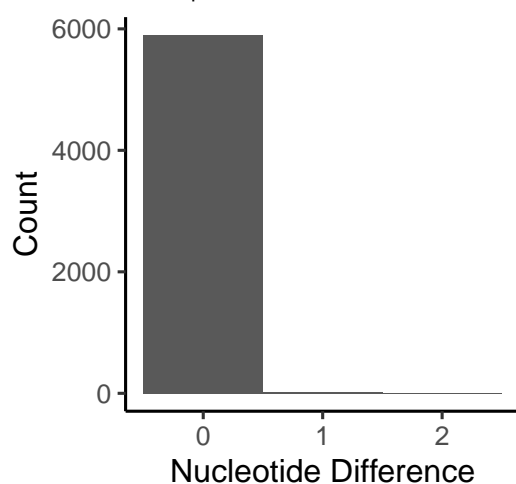
TRBV7–3*ap01

2261 sequences assigned
2260 (100%) exact matches, in which:
2254 unique CDR3
13 unique J



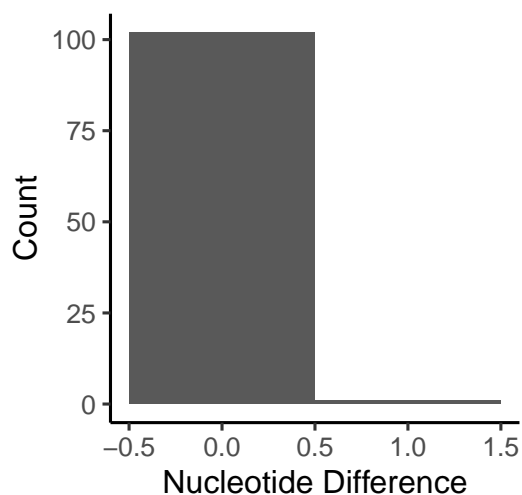
TRBV6–56*ap01

5917 sequences assigned
5898 (99.7%) exact matches, in which:
5874 unique CDR3
13 unique J



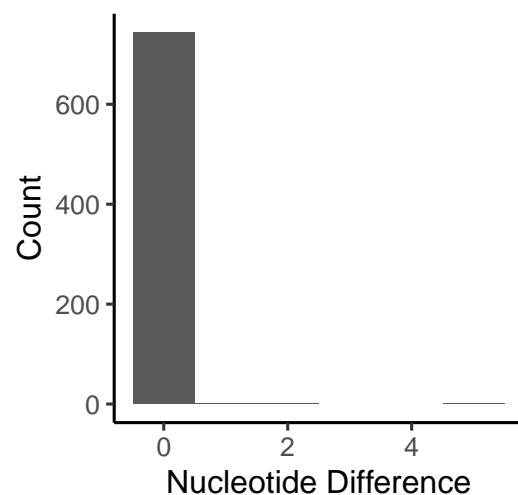
TRBV7–1*ap01_G291C_

103 sequences assigned
102 (99%) exact matches, in which:
102 unique CDR3
13 unique J



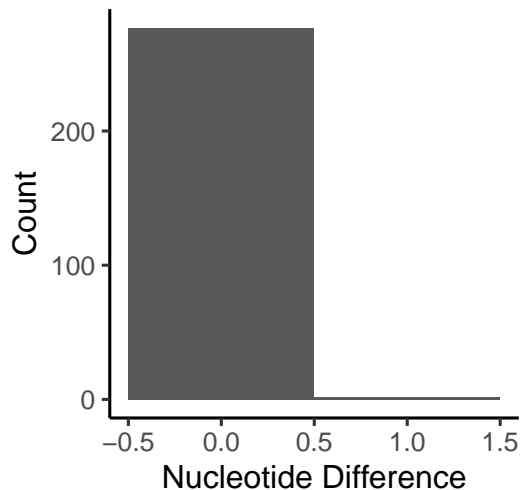
TRBV7–3*ap02

749 sequences assigned
744 (99.3%) exact matches, in which:
744 unique CDR3
13 unique J



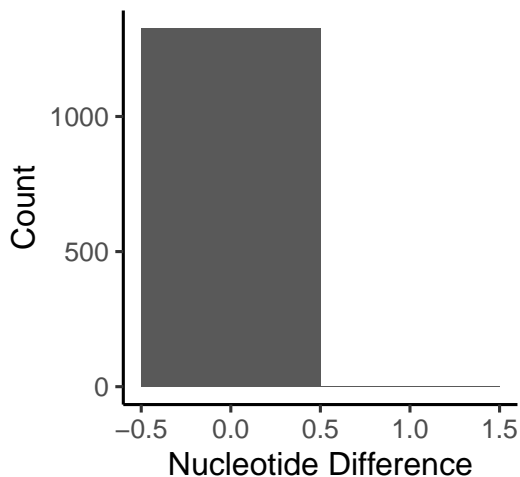
TRBV7-4*ap01

279 sequences assigned
277 (99.3%) exact matches, in which:
277 unique CDR3
13 unique J



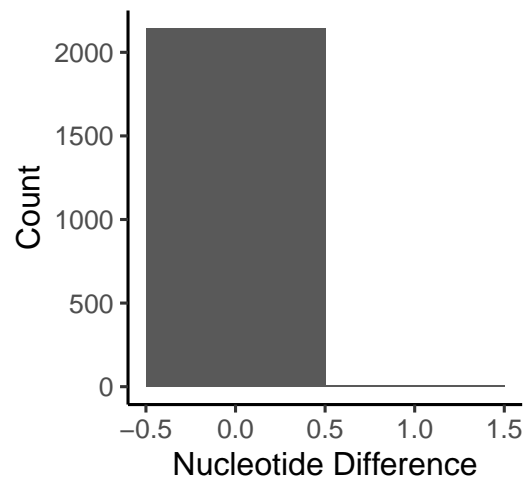
TRBV7-8*ap01

1329 sequences assigned
1326 (99.8%) exact matches, in which:
1325 unique CDR3
13 unique J



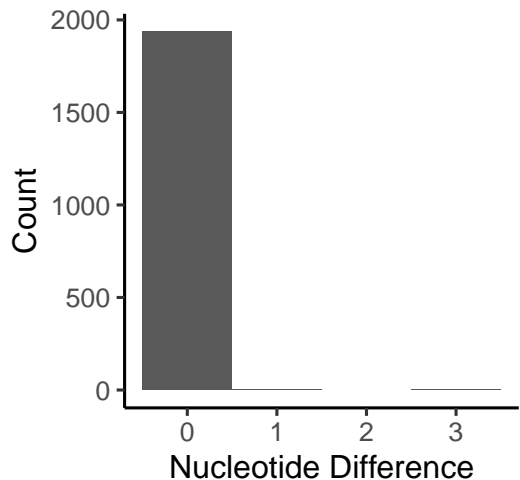
TRBV29-1*ap01

2154 sequences assigned
2143 (99.5%) exact matches, in which:
2135 unique CDR3
13 unique J



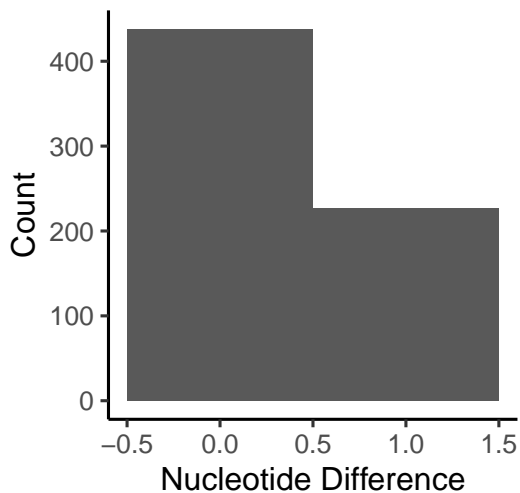
TRBV7-6*ap01

1939 sequences assigned
1936 (99.8%) exact matches, in which:
1935 unique CDR3
13 unique J



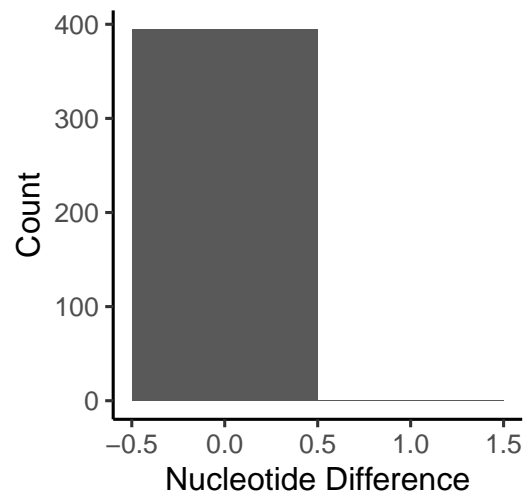
TRBV7-8*ap03

665 sequences assigned
438 (65.9%) exact matches, in which:
438 unique CDR3
13 unique J



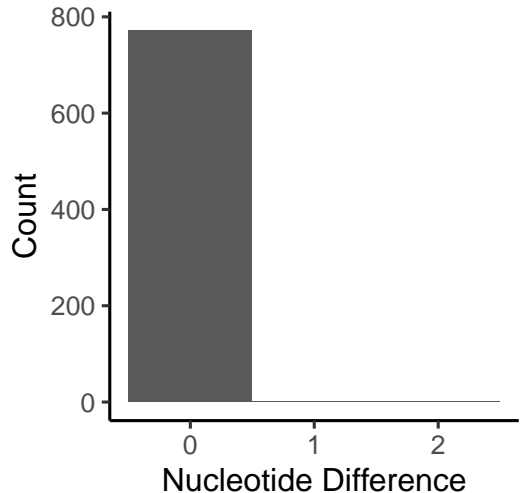
TRBV29-1*ap02

396 sequences assigned
395 (99.7%) exact matches, in which:
392 unique CDR3
13 unique J



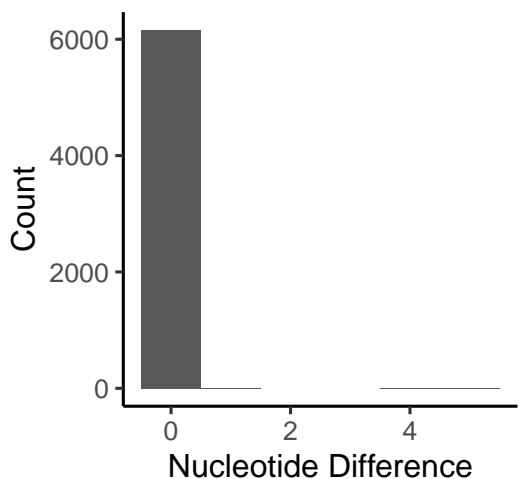
TRBV7-7*ap01

775 sequences assigned
772 (99.6%) exact matches, in which:
772 unique CDR3
13 unique J

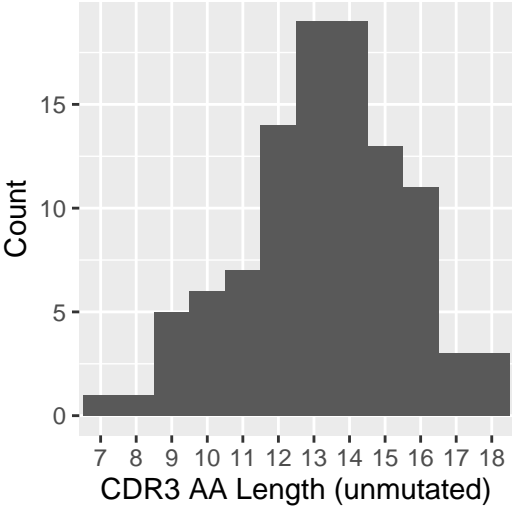


TRBV7-9*ap01

6170 sequences assigned
6158 (99.8%) exact matches, in which:
6154 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C





[illegible]