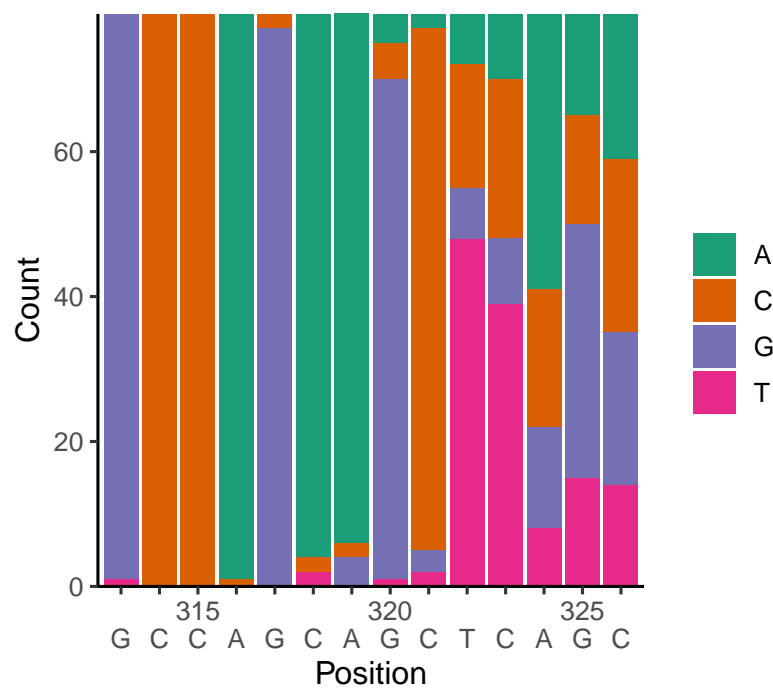
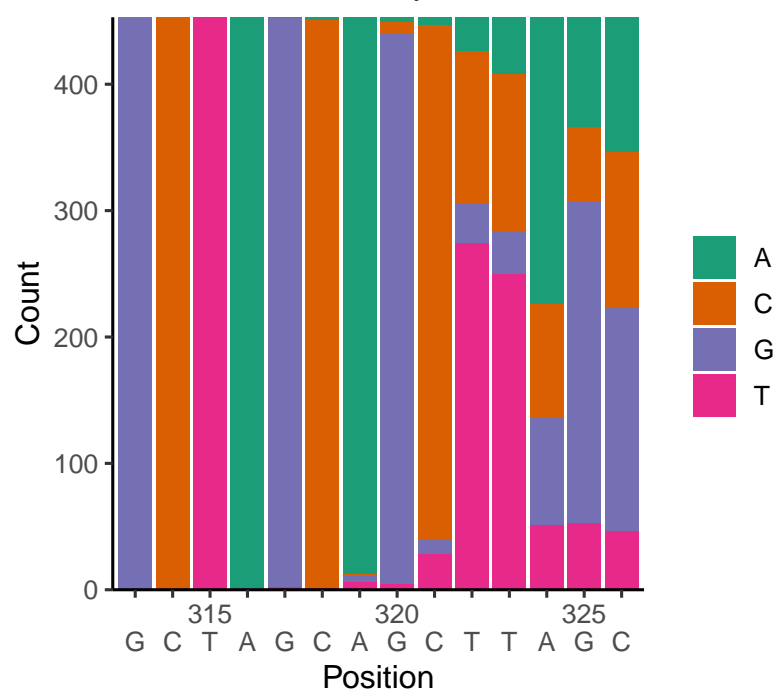


Gene TRBV7-1*ap01_G291C_T296C



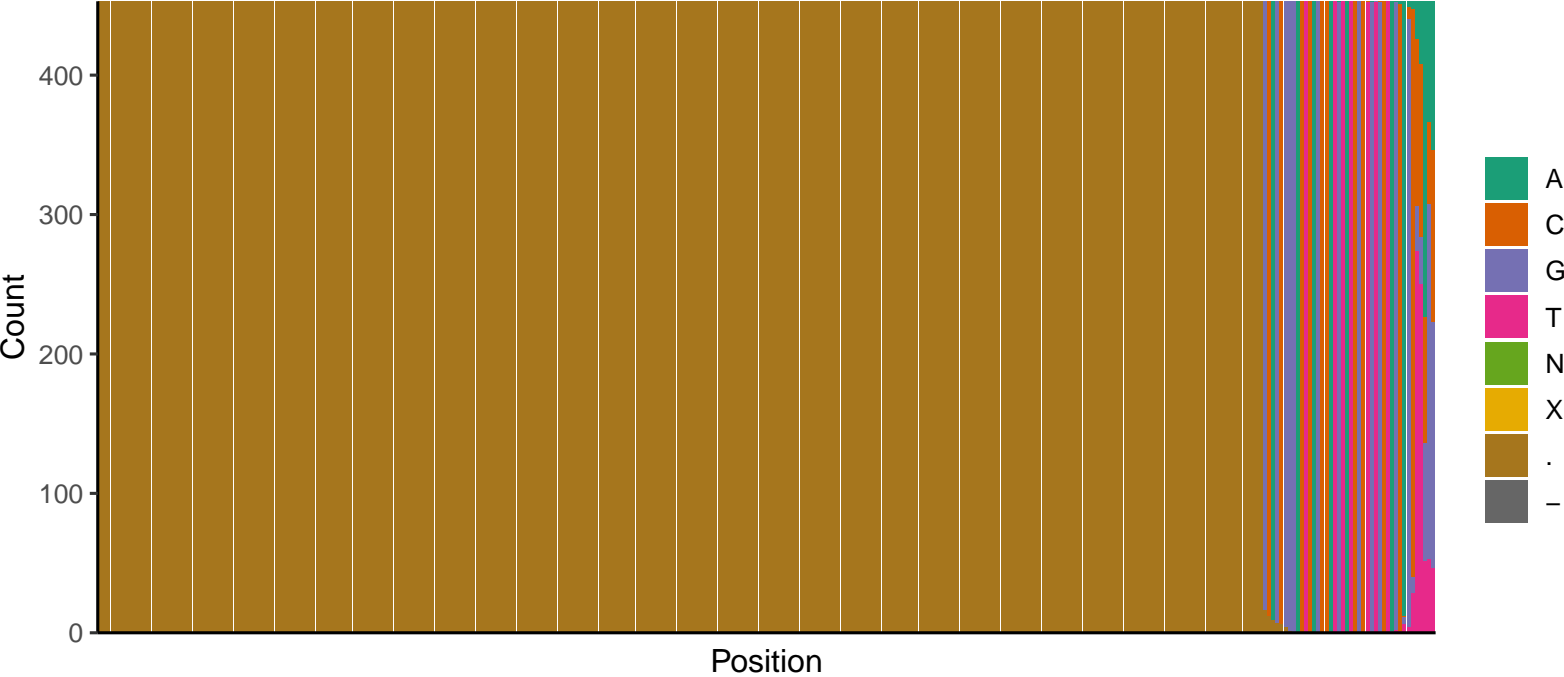
Gene TRBV7-7*ap01_C315T



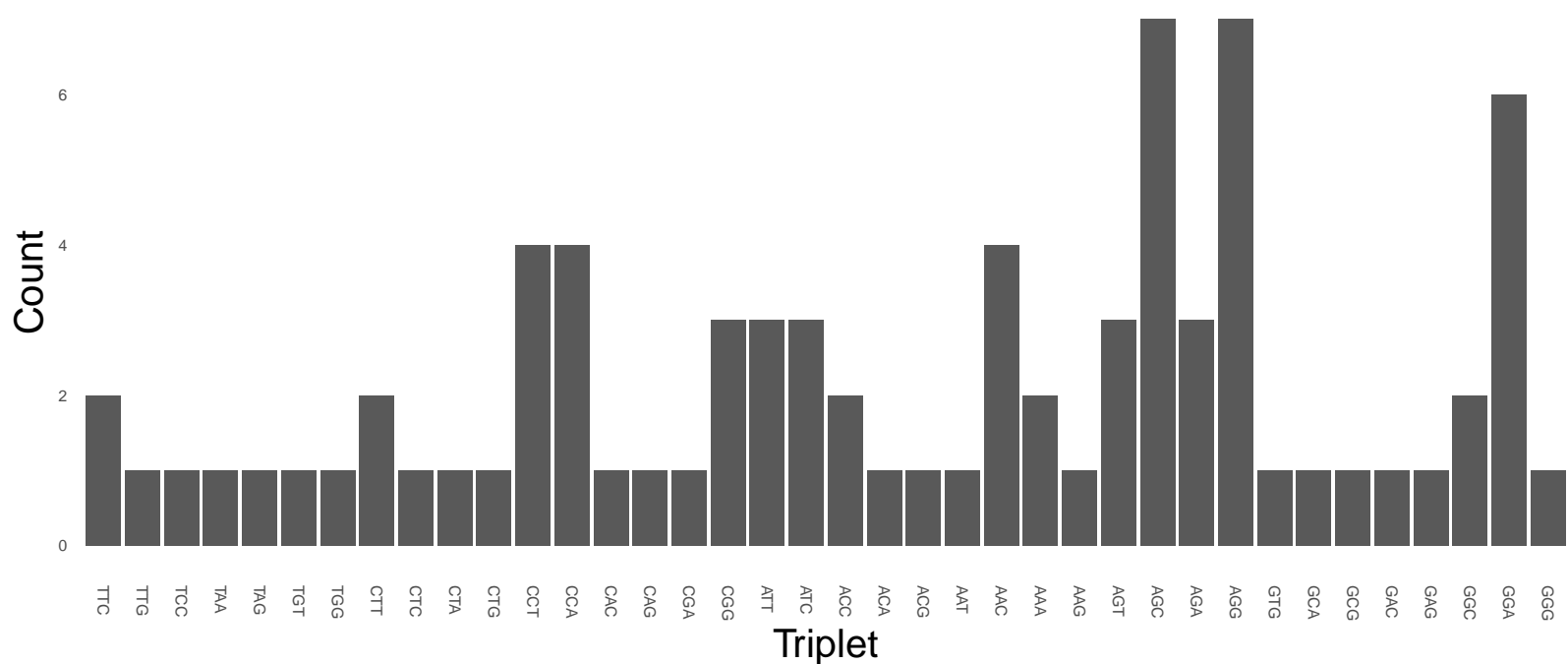
Gene TRBV7-1*ap01_G291C_T296C



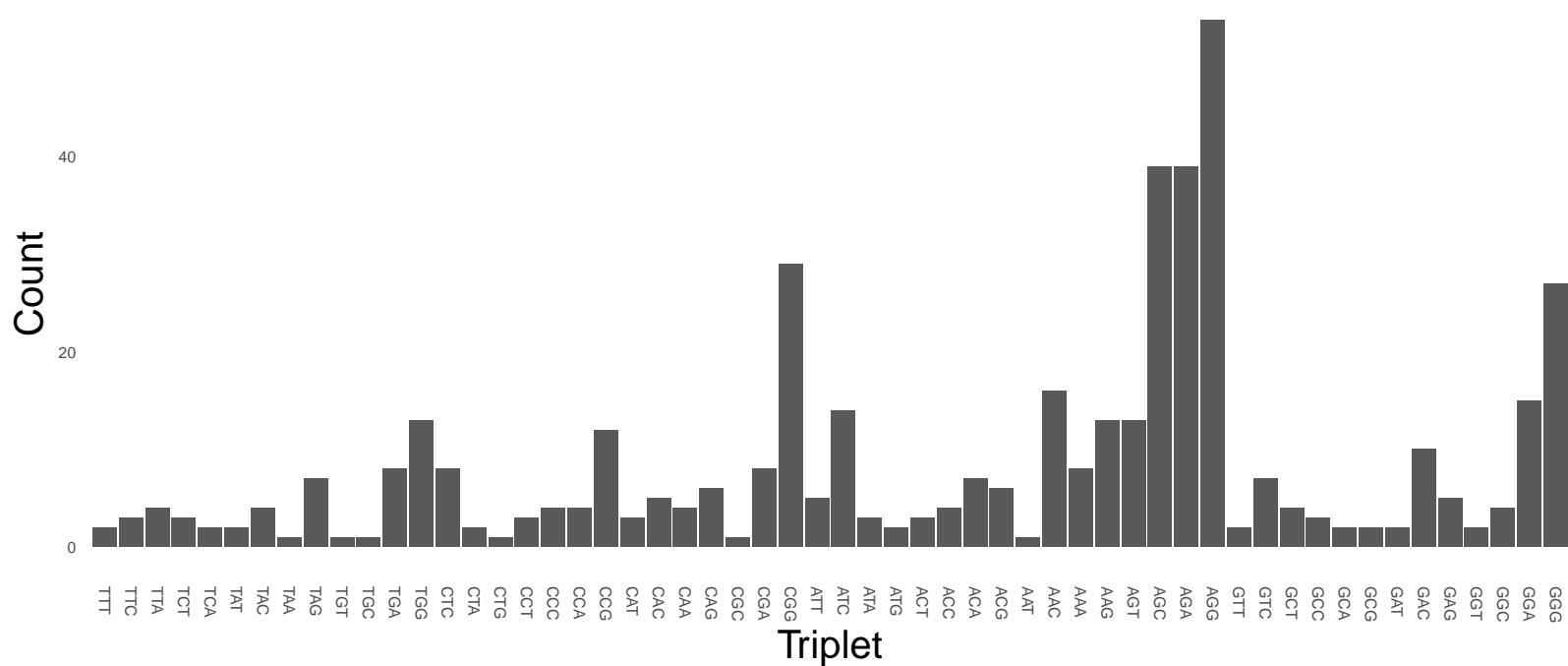
Gene TRBV7-7*ap01_C315T



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

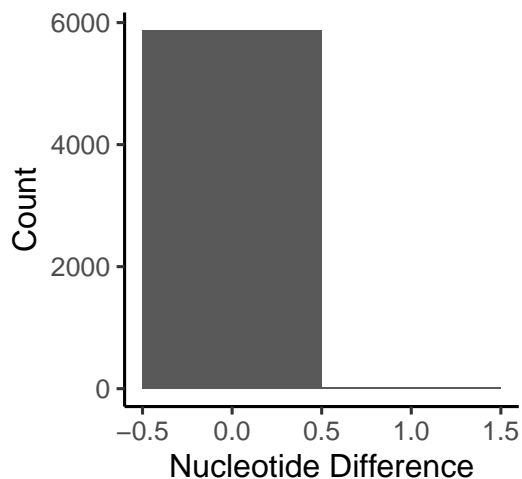


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



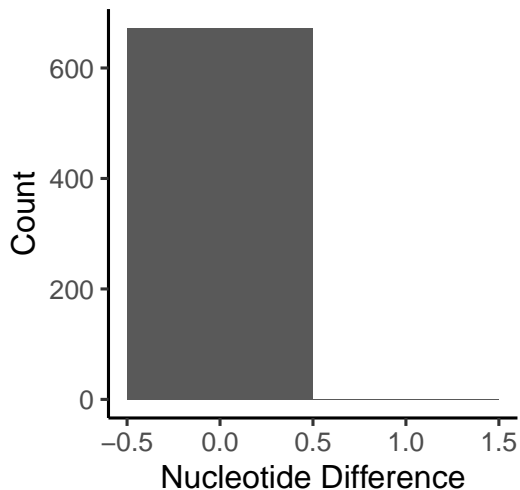
TRBV20–1*ap01

5891 sequences assigned
5872 (99.7%) exact matches, in which:
5856 unique CDR3
13 unique J



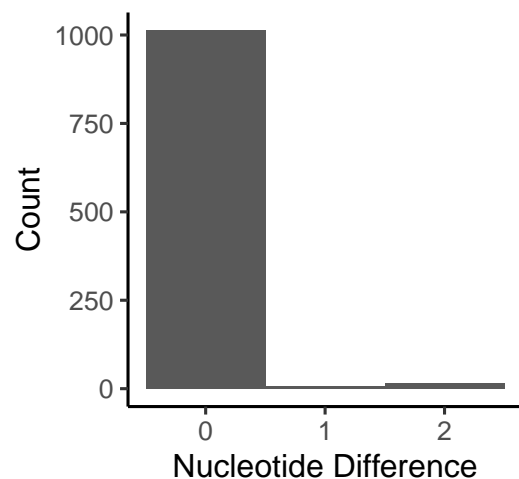
TRBV10–2*ap01

674 sequences assigned
673 (99.9%) exact matches, in which:
671 unique CDR3
13 unique J



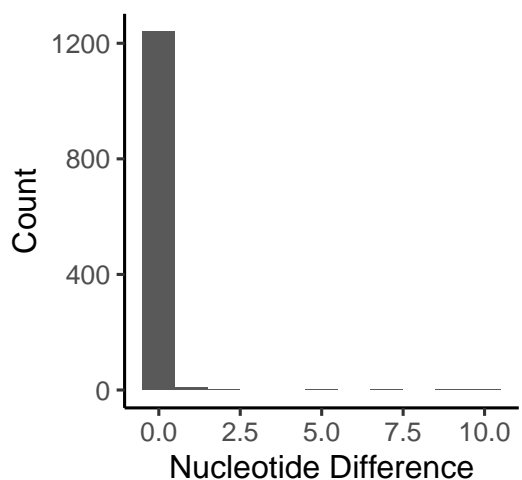
TRBV13*ap01

1036 sequences assigned
1013 (97.8%) exact matches, in which:
1005 unique CDR3
13 unique J



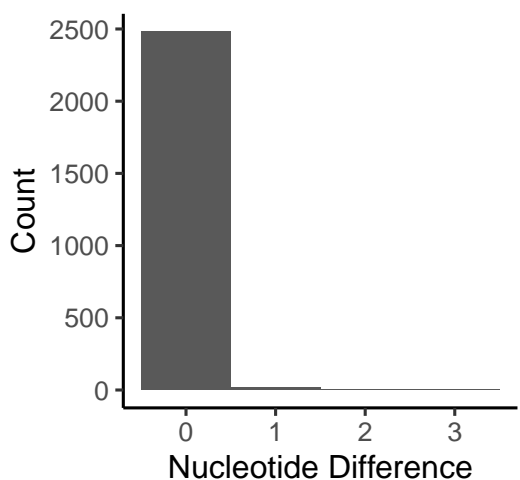
TRBV10–1*ap01

1254 sequences assigned
1240 (98.9%) exact matches, in which:
1235 unique CDR3
13 unique J



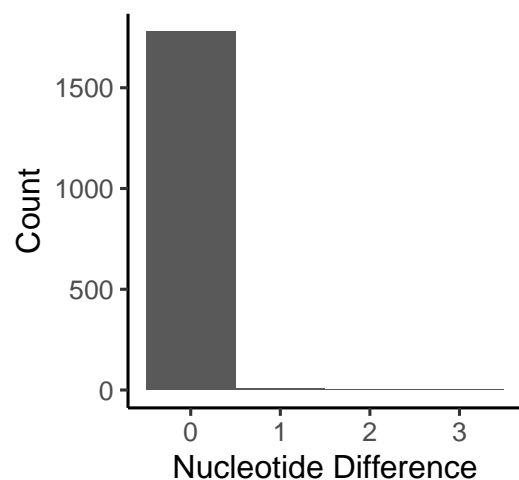
TRBV10–3*ap01

2503 sequences assigned
2481 (99.1%) exact matches, in which:
2473 unique CDR3
13 unique J



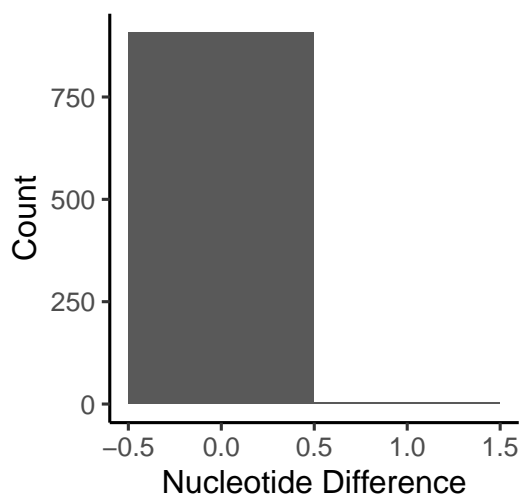
TRBV14*ap01

1786 sequences assigned
1778 (99.6%) exact matches, in which:
1771 unique CDR3
13 unique J



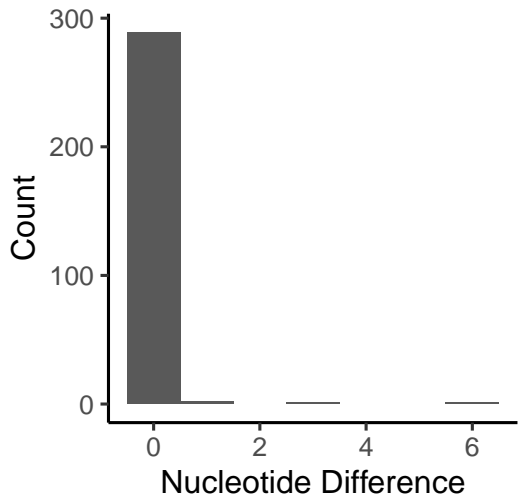
TRBV20–1*ap02

911 sequences assigned
908 (99.7%) exact matches, in which:
905 unique CDR3
13 unique J



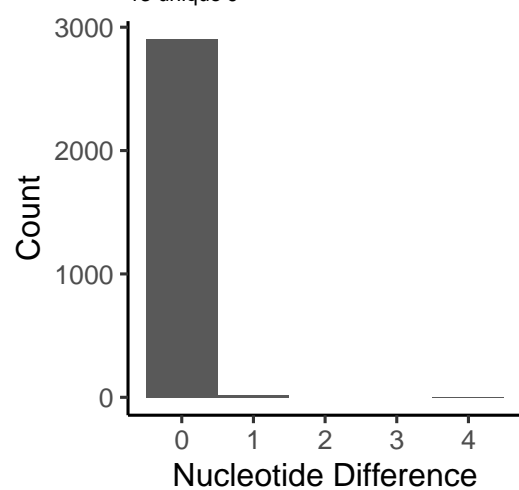
TRBV1*ap01

293 sequences assigned
289 (98.6%) exact matches, in which:
286 unique CDR3
13 unique J



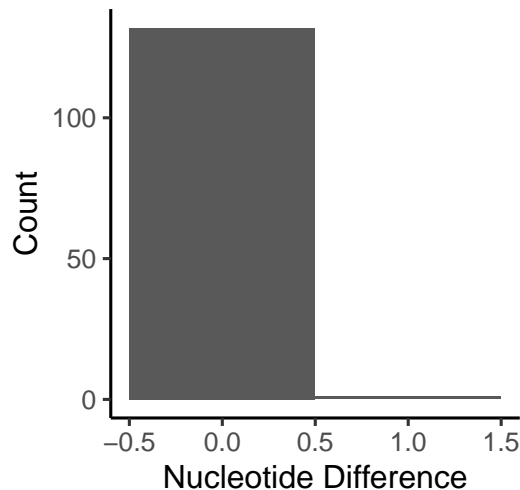
TRBV15*ap02

2923 sequences assigned
2904 (99.3%) exact matches, in which:
2883 unique CDR3
13 unique J



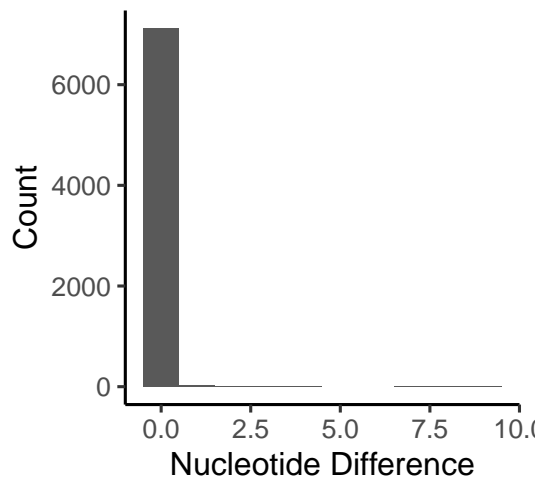
TRBV16*ap01

133 sequences assigned
132 (99.2%) exact matches, in which:
131 unique CDR3
13 unique J



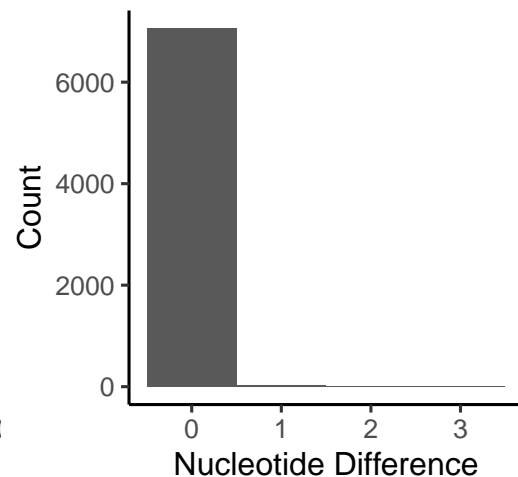
TRBV19*ap01

7150 sequences assigned
7118 (99.6%) exact matches, in which:
7099 unique CDR3
13 unique J



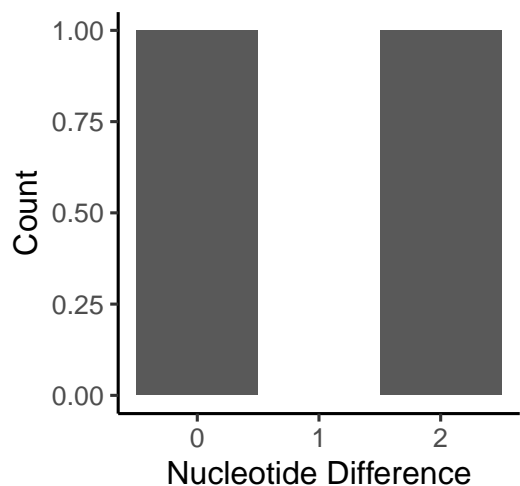
TRBV28*ap01

7084 sequences assigned
7059 (99.6%) exact matches, in which:
7027 unique CDR3
13 unique J



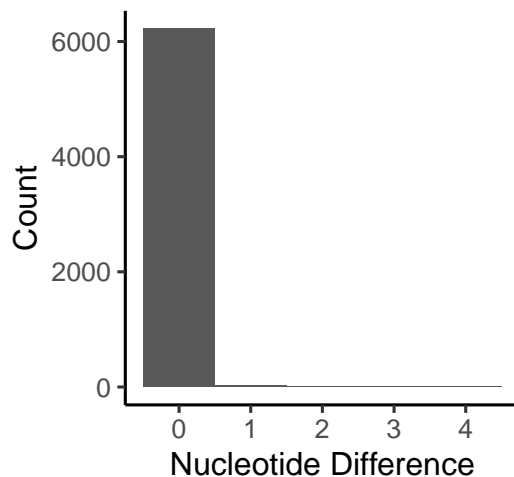
TRBV17*ap01

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



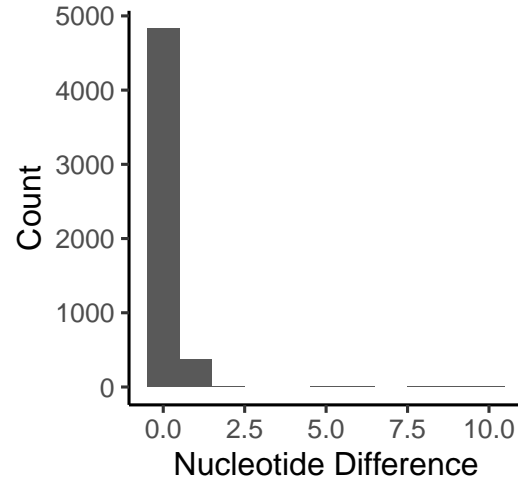
TRBV2*ap01

6249 sequences assigned
6222 (99.6%) exact matches, in which:
6192 unique CDR3
13 unique J



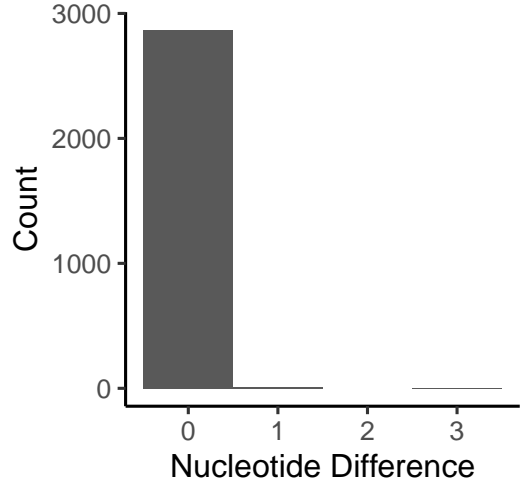
TRBV30*ap01

5202 sequences assigned
4827 (92.8%) exact matches, in which:
4742 unique CDR3
13 unique J



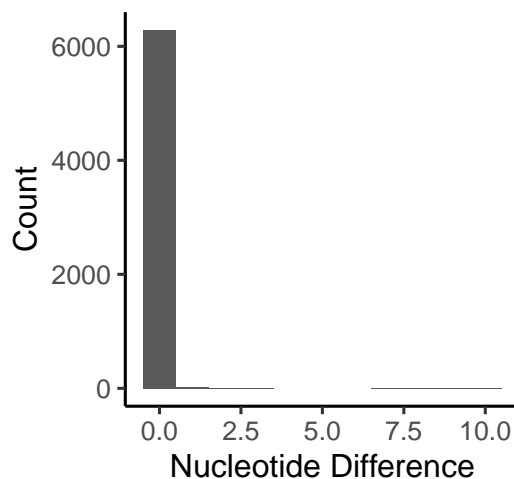
TRBV18*ap01

2878 sequences assigned
2867 (99.6%) exact matches, in which:
2863 unique CDR3
13 unique J



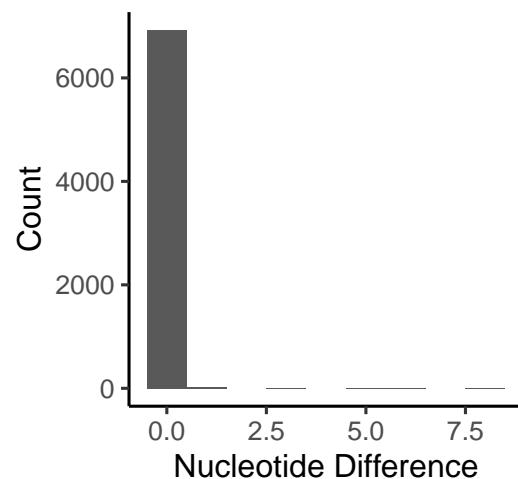
TRBV27*ap01

6322 sequences assigned
6286 (99.4%) exact matches, in which:
6245 unique CDR3
13 unique J



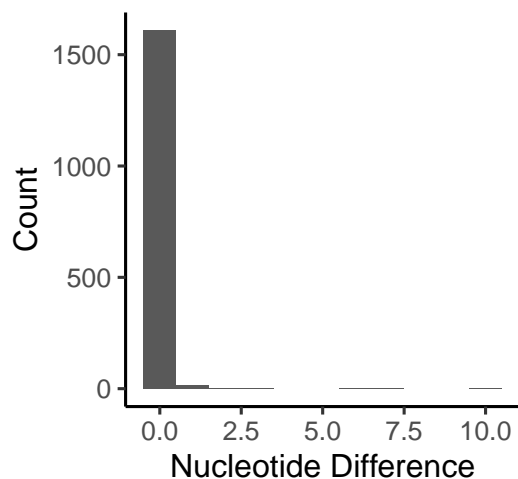
TRBV9*ap01

6951 sequences assigned
6925 (99.6%) exact matches, in which:
6903 unique CDR3
13 unique J



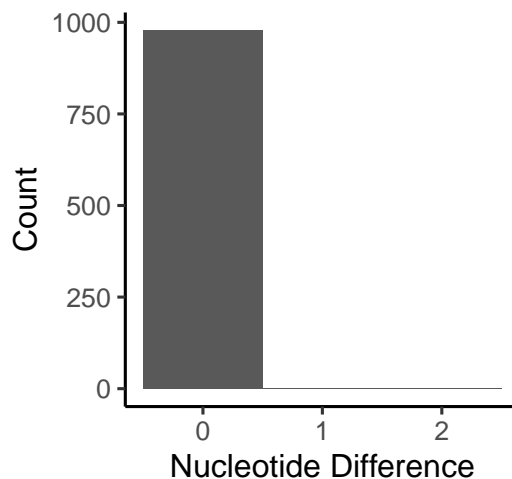
TRBV21-1*ap01

1631 sequences assigned
1609 (98.7%) exact matches, in which:
1603 unique CDR3
13 unique J



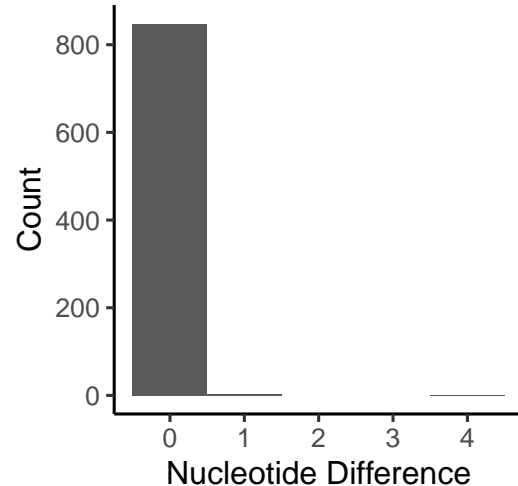
TRBV11-3*ap01

981 sequences assigned
978 (99.7%) exact matches, in which:
974 unique CDR3
13 unique J



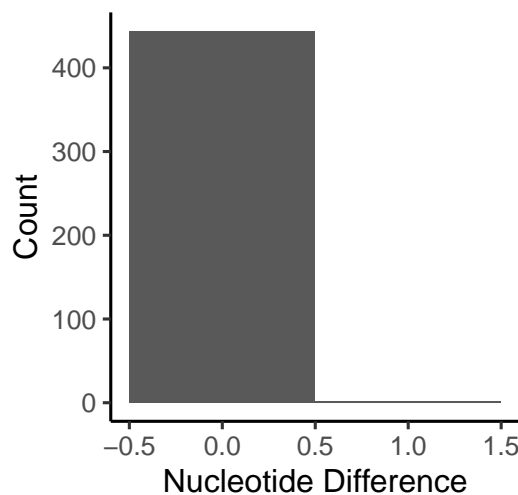
TRBV12-5*ap01

852 sequences assigned
848 (99.5%) exact matches, in which:
843 unique CDR3
13 unique J



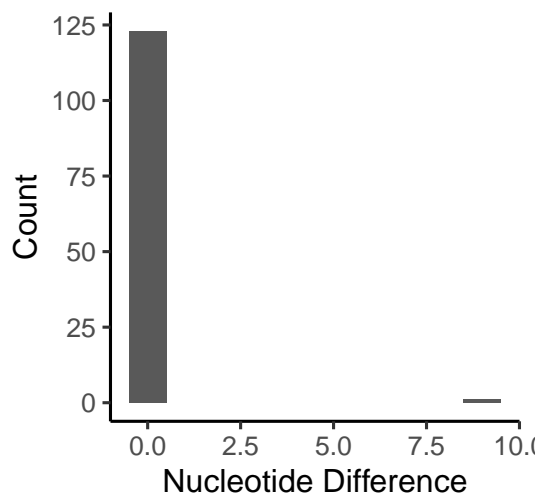
TRBV11-1*ap01

446 sequences assigned
444 (99.6%) exact matches, in which:
442 unique CDR3
13 unique J



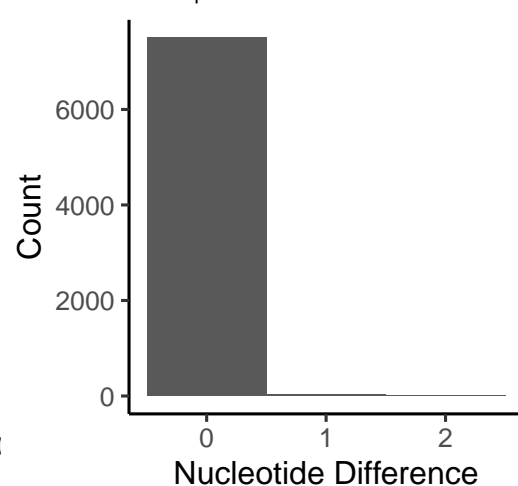
TRBV12-1*ap01

124 sequences assigned
123 (99.2%) exact matches, in which:
123 unique CDR3
13 unique J



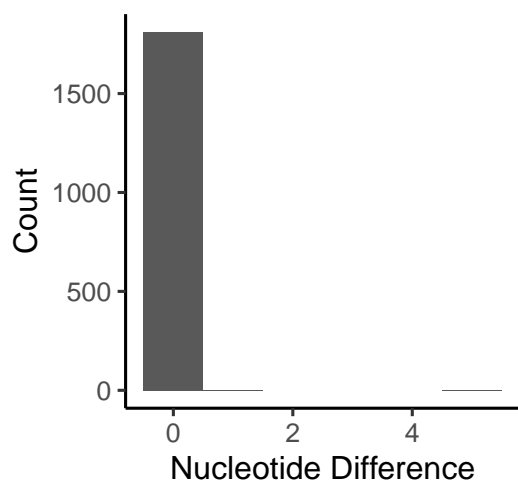
TRBV12-34*ap01

7537 sequences assigned
7502 (99.5%) exact matches, in which:
7461 unique CDR3
13 unique J



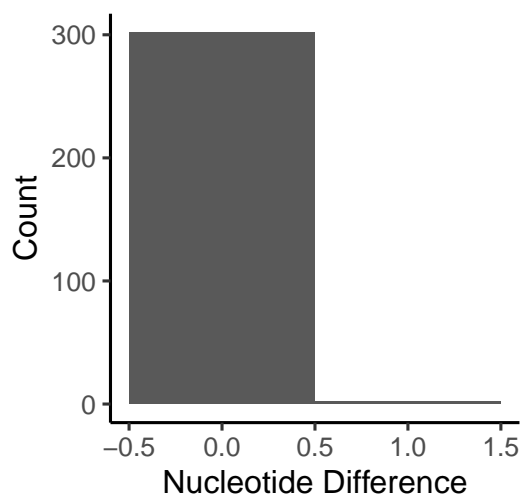
TRBV11-2*ap01

1813 sequences assigned
1811 (99.9%) exact matches, in which:
1807 unique CDR3
13 unique J



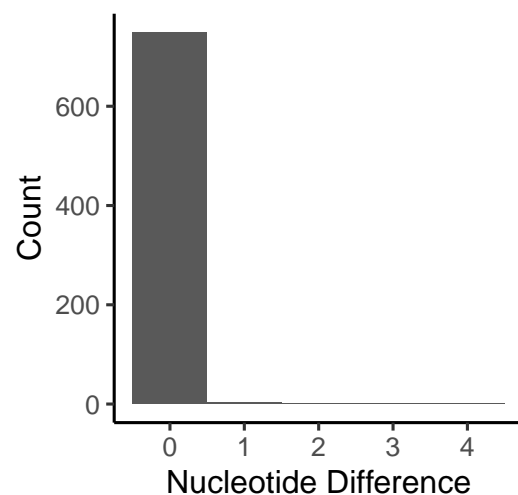
TRBV12-2*ap01

304 sequences assigned
302 (99.3%) exact matches, in which:
301 unique CDR3
13 unique J



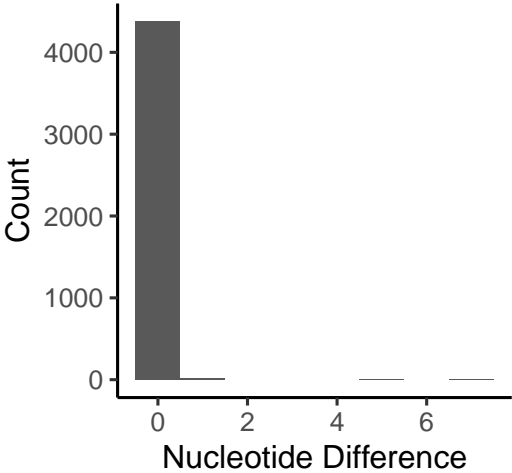
TRBV23-1*ap01

755 sequences assigned
749 (99.2%) exact matches, in which:
742 unique CDR3
13 unique J



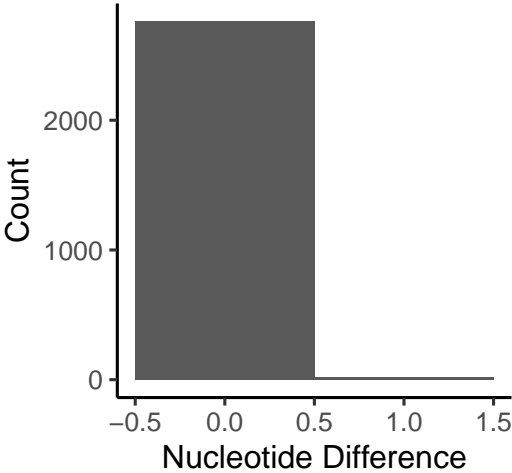
TRBV3-12*ap01

4404 sequences assigned
4378 (99.4%) exact matches, in which:
4365 unique CDR3
13 unique J



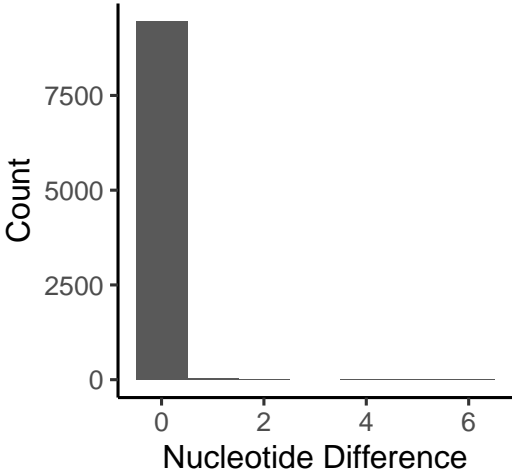
TRBV4-2*ap01

2781 sequences assigned
2762 (99.3%) exact matches, in which:
2742 unique CDR3
13 unique J



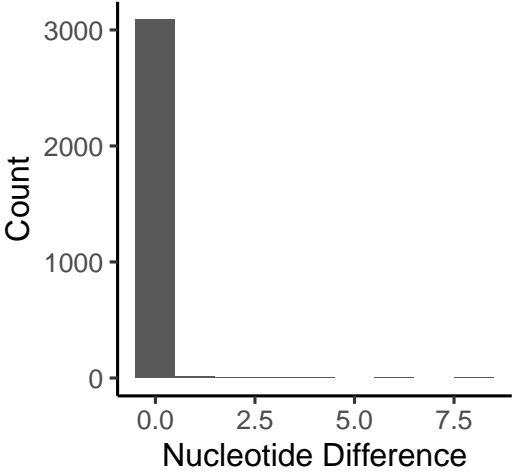
TRBV5-1*ap01

9522 sequences assigned
9453 (99.3%) exact matches, in which:
9377 unique CDR3
13 unique J



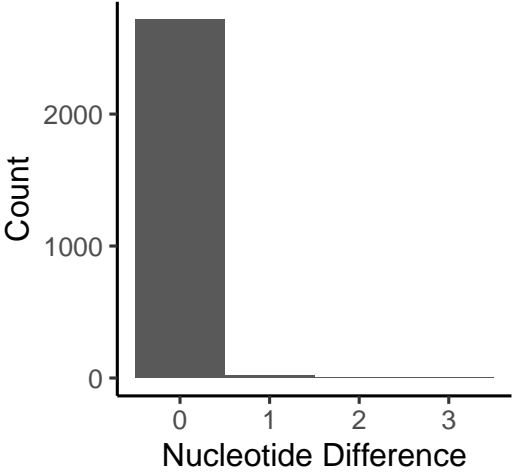
TRBV24-1*ap01

3114 sequences assigned
3088 (99.2%) exact matches, in which:
3074 unique CDR3
13 unique J



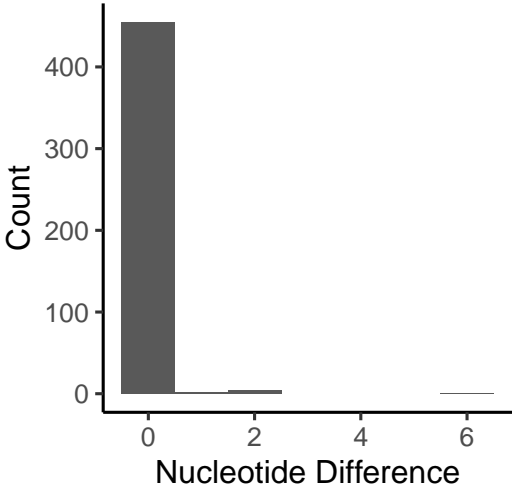
TRBV4-3*ap01

2735 sequences assigned
2715 (99.3%) exact matches, in which:
2681 unique CDR3
13 unique J



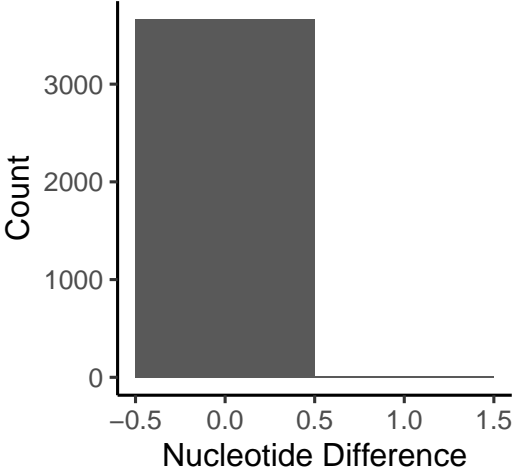
TRBV5-3*ap01

462 sequences assigned
455 (98.5%) exact matches, in which:
453 unique CDR3
13 unique J



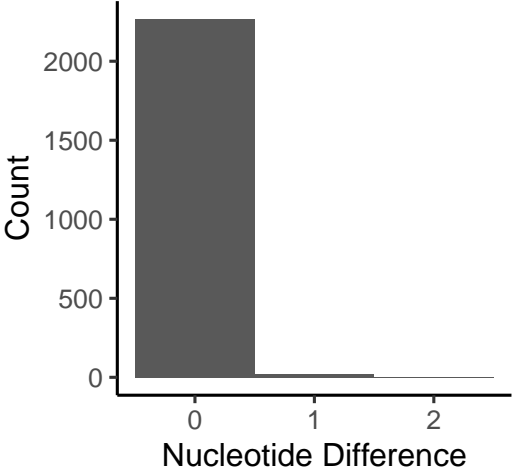
TRBV4-1*ap01

3680 sequences assigned
3666 (99.6%) exact matches, in which:
3648 unique CDR3
13 unique J



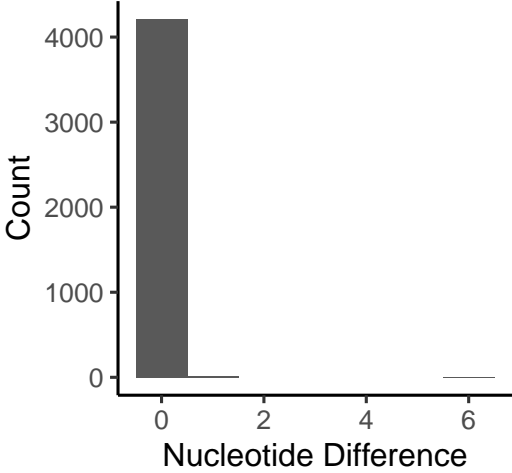
TRBV25-1*ap01

2290 sequences assigned
2267 (99%) exact matches, in which:
2243 unique CDR3
13 unique J



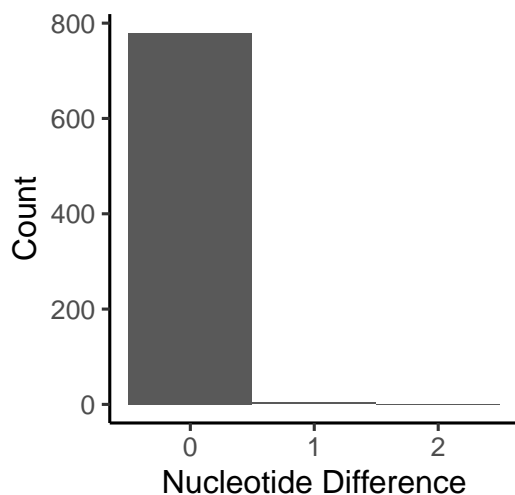
TRBV5-4*ap01

4232 sequences assigned
4212 (99.5%) exact matches, in which:
4174 unique CDR3
13 unique J



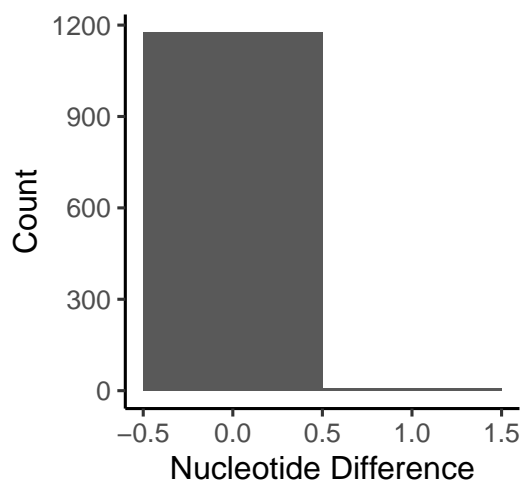
TRBV5-5*ap01

785 sequences assigned
780 (99.4%) exact matches, in which:
776 unique CDR3
13 unique J



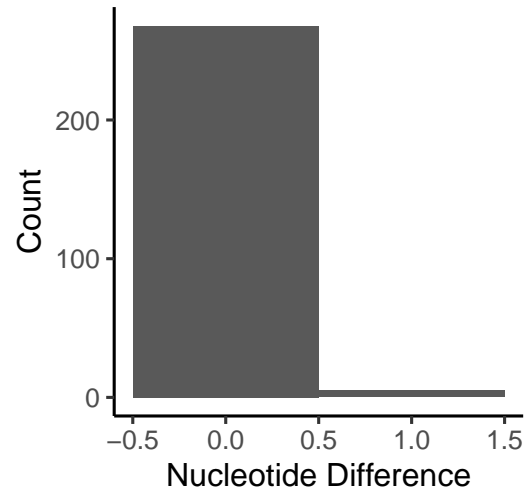
TRBV5-8*ap01

1185 sequences assigned
1176 (99.2%) exact matches, in which:
1171 unique CDR3
13 unique J



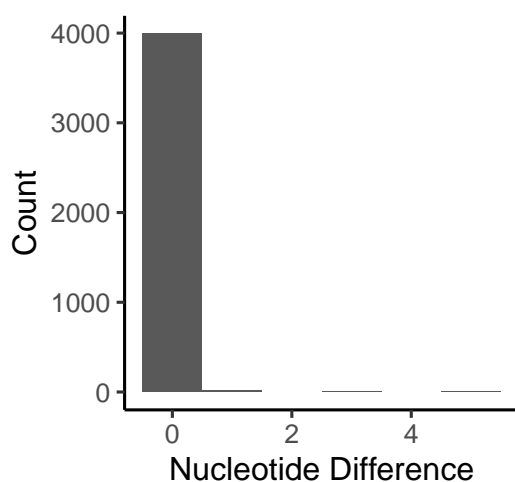
TRBV6-7*ap01

273 sequences assigned
268 (98.2%) exact matches, in which:
265 unique CDR3
13 unique J



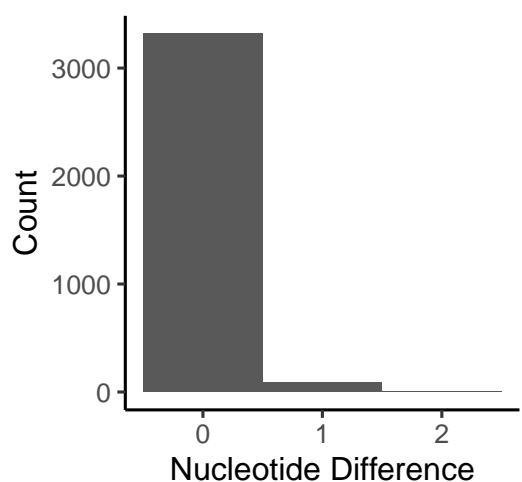
TRBV5-6*ap01

4013 sequences assigned
3993 (99.5%) exact matches, in which:
3950 unique CDR3
13 unique J



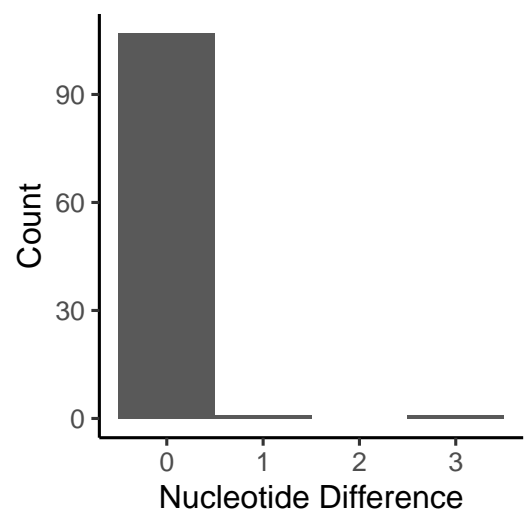
TRBV6-1*ap01

3404 sequences assigned
3318 (97.5%) exact matches, in which:
3292 unique CDR3
13 unique J



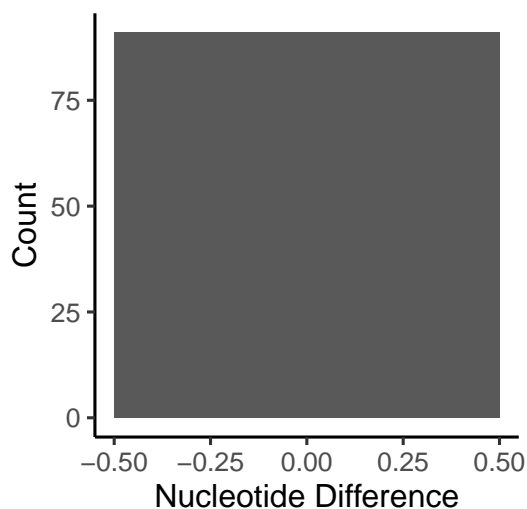
TRBV6-8*ap01

109 sequences assigned
107 (98.2%) exact matches, in which:
104 unique CDR3
13 unique J



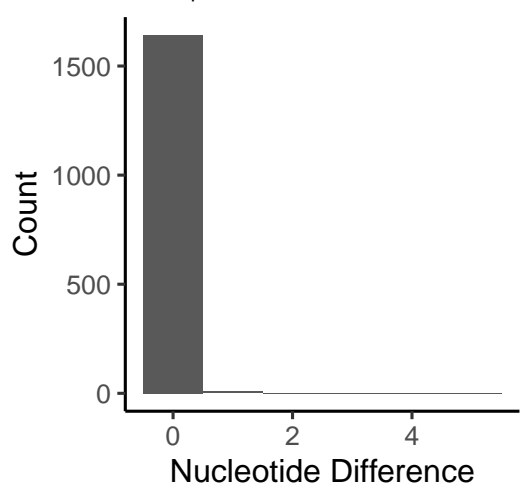
TRBV5-7*ap01

91 sequences assigned
91 (100%) exact matches, in which:
91 unique CDR3
12 unique J



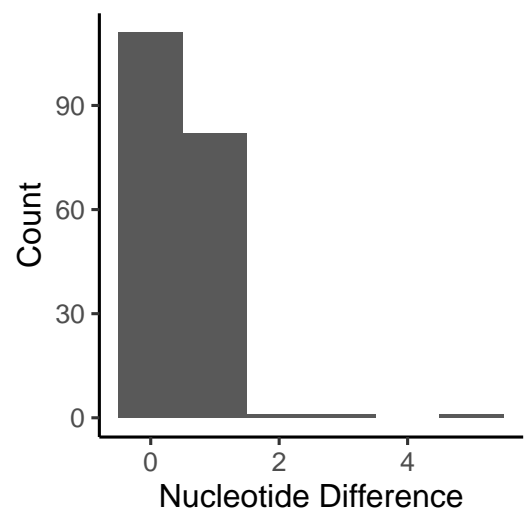
TRBV6-4*ap01

1656 sequences assigned
1642 (99.2%) exact matches, in which:
1636 unique CDR3
13 unique J



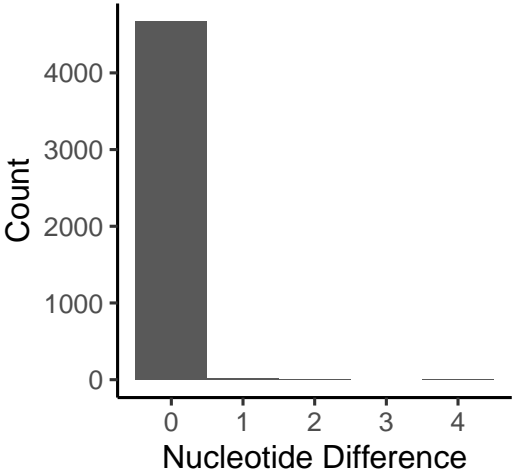
TRBV6-9*ap01

196 sequences assigned
111 (56.6%) exact matches, in which:
110 unique CDR3
12 unique J



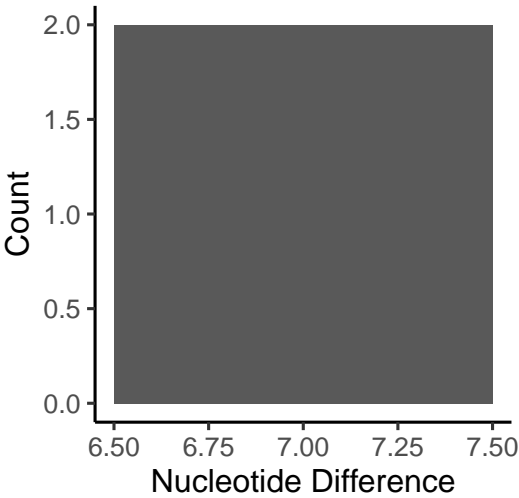
TRBV6-23*ap01

4702 sequences assigned
4671 (99.3%) exact matches, in which:
4611 unique CDR3
13 unique J



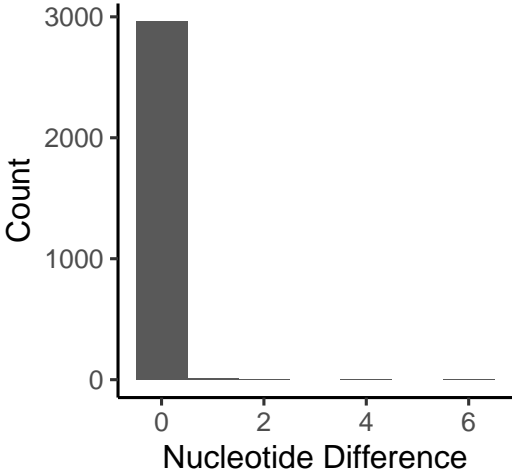
TRBV7-1*ap01

2 sequences assigned
No exact matches.



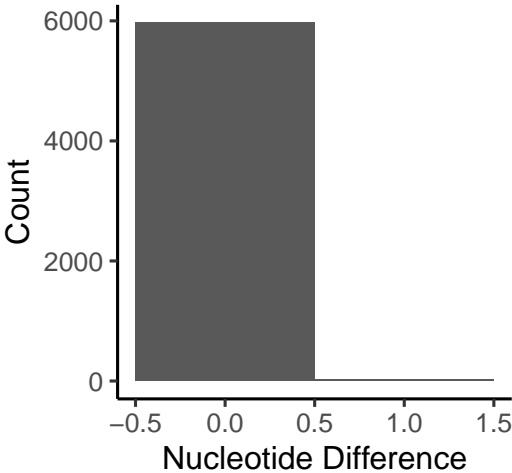
TRBV7-3*ap01

2976 sequences assigned
2962 (99.5%) exact matches, in which:
2952 unique CDR3
13 unique J



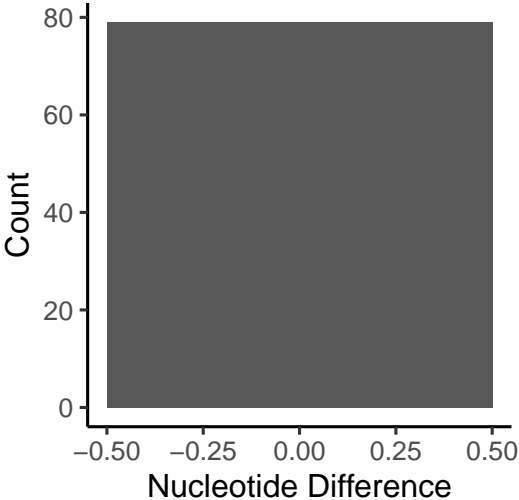
TRBV6-56*ap01

5999 sequences assigned
5969 (99.5%) exact matches, in which:
5902 unique CDR3
13 unique J



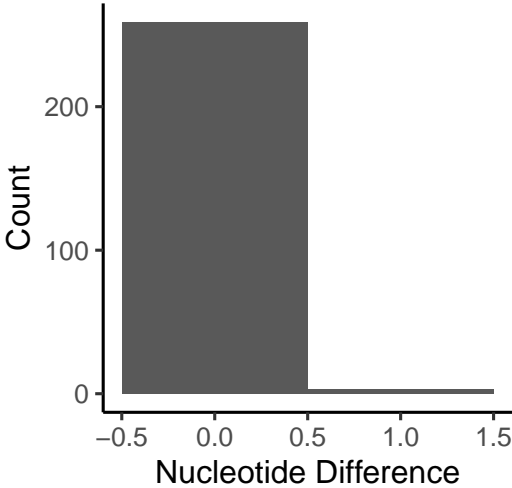
TRBV7-1*ap01_G291C_T

79 sequences assigned
79 (100%) exact matches, in which:
79 unique CDR3
11 unique J



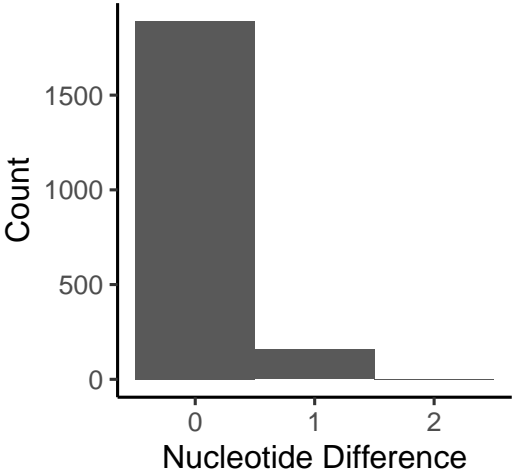
TRBV7-4*ap01

262 sequences assigned
259 (98.9%) exact matches, in which:
258 unique CDR3
13 unique J



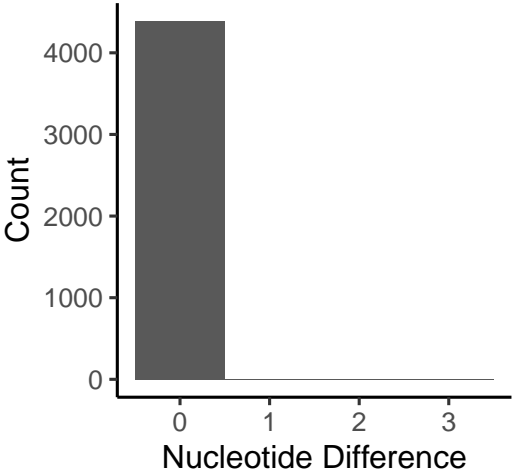
TRBV6-56*ap02

2049 sequences assigned
1891 (92.3%) exact matches, in which:
1869 unique CDR3
13 unique J



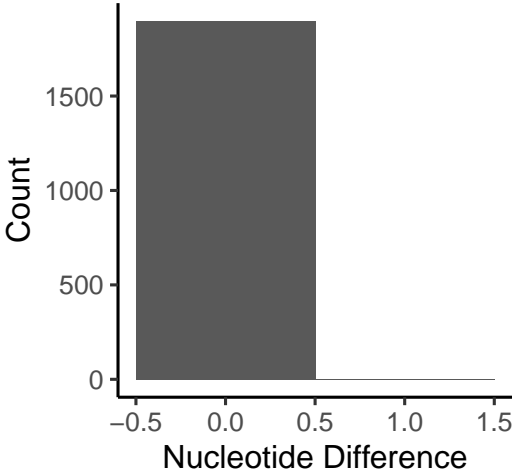
TRBV7-2*ap01

4396 sequences assigned
4389 (99.8%) exact matches, in which:
4373 unique CDR3
13 unique J



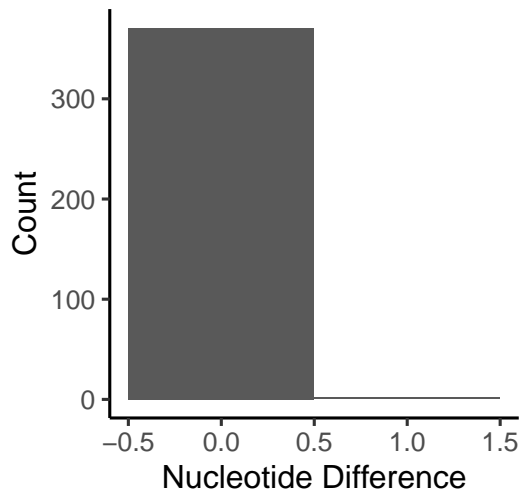
TRBV7-6*ap01

1899 sequences assigned
1897 (99.9%) exact matches, in which:
1890 unique CDR3
13 unique J



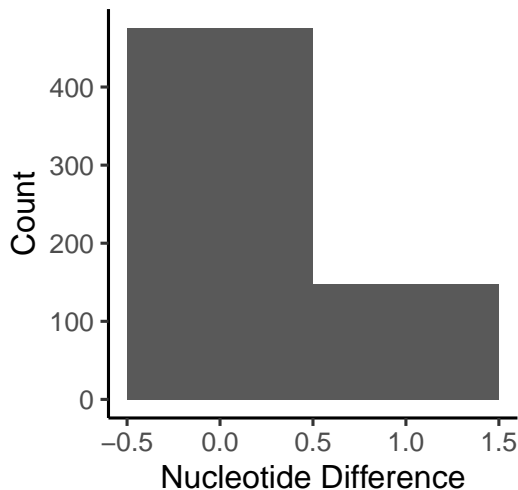
TRBV7-7*ap01

373 sequences assigned
371 (99.5%) exact matches, in which:
368 unique CDR3
12 unique J



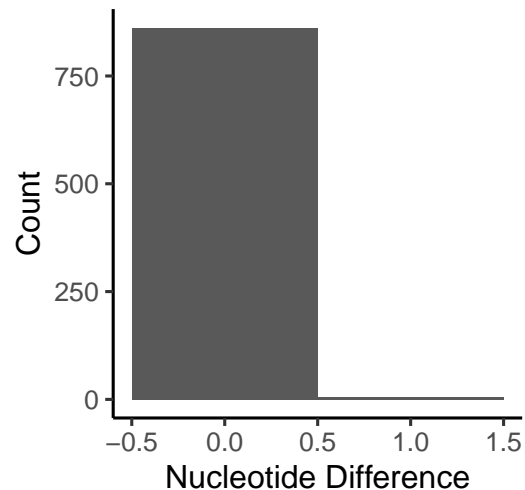
TRBV7-8*ap03

624 sequences assigned
476 (76.3%) exact matches, in which:
474 unique CDR3
13 unique J



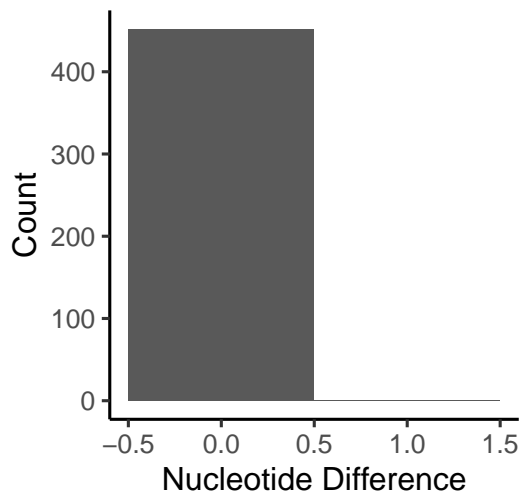
TRBV29-1*ap02

868 sequences assigned
862 (99.3%) exact matches, in which:
851 unique CDR3
13 unique J



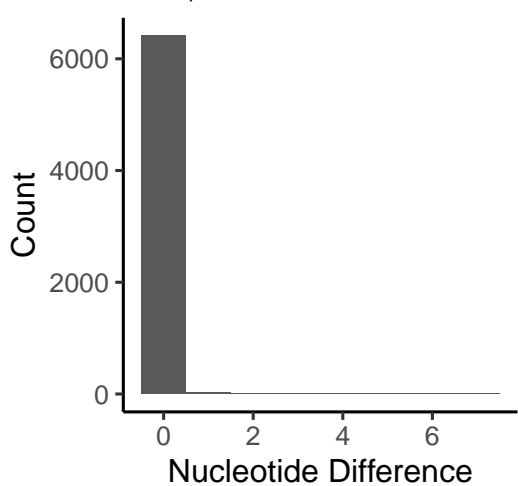
TRBV7-7*ap01_C315T

453 sequences assigned
452 (99.8%) exact matches, in which:
448 unique CDR3
13 unique J



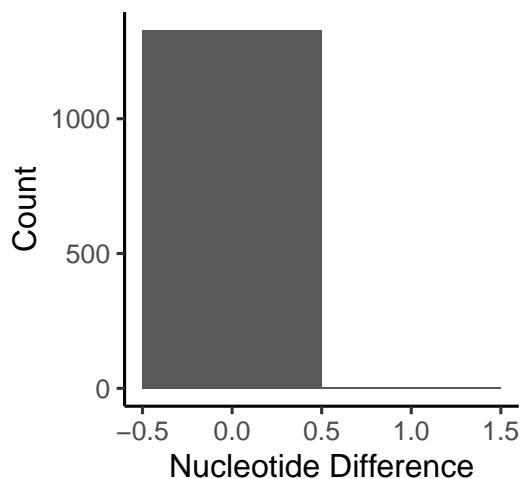
TRBV7-9*ap01

6455 sequences assigned
6413 (99.3%) exact matches, in which:
6380 unique CDR3
13 unique J



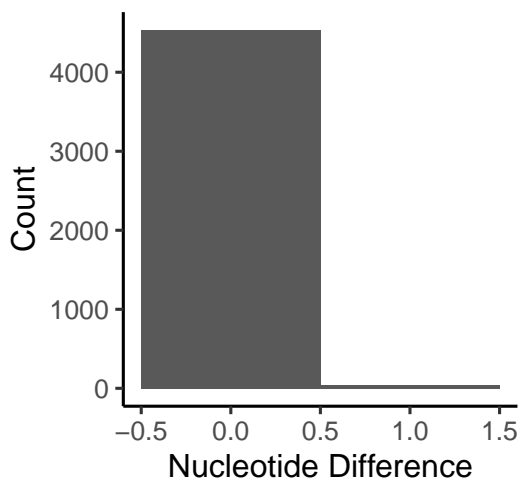
TRBV7-8*ap01

1335 sequences assigned
1329 (99.6%) exact matches, in which:
1325 unique CDR3
13 unique J

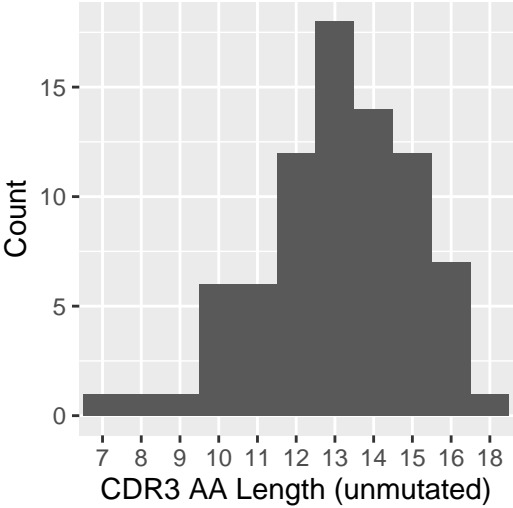


TRBV29-1*ap01

4575 sequences assigned
4534 (99.1%) exact matches, in which:
4469 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

