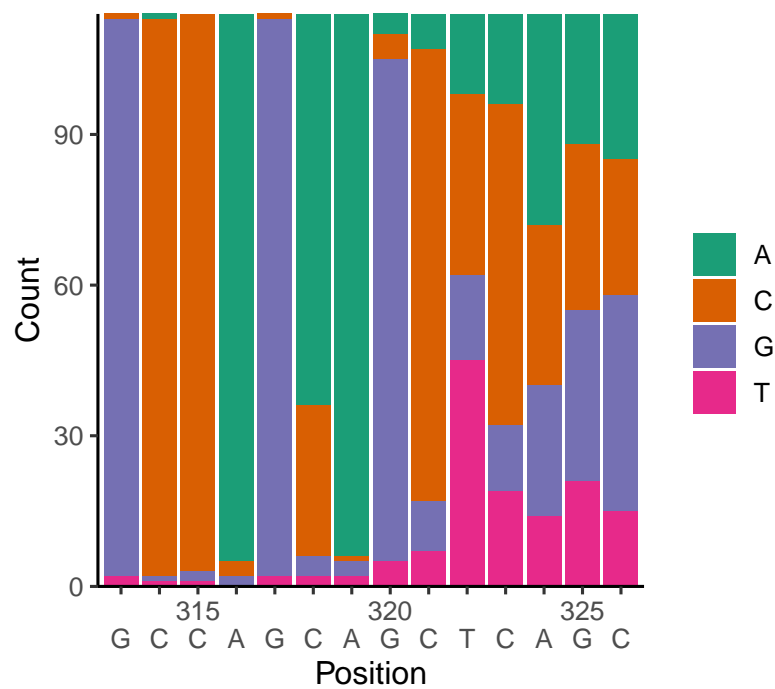
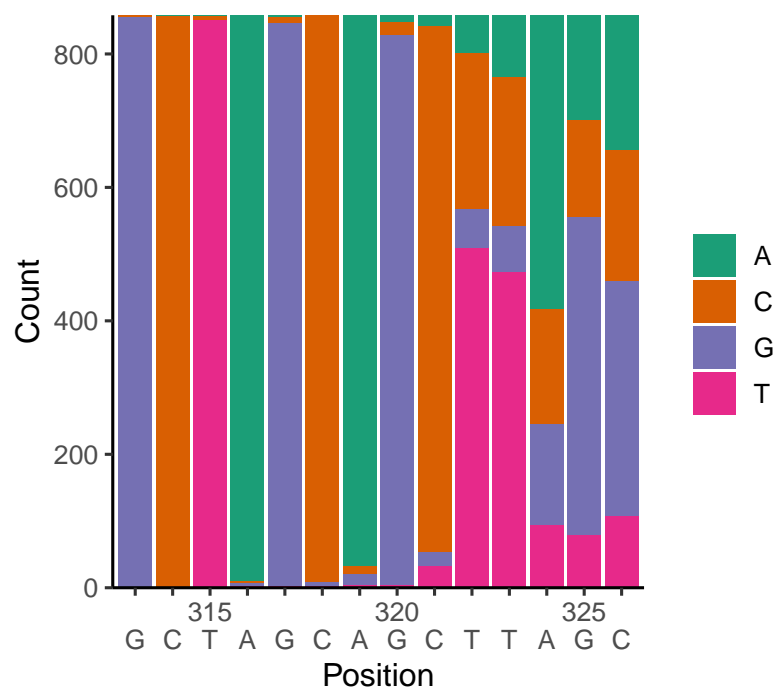


Gene TRBV7-1*ap01_T296C



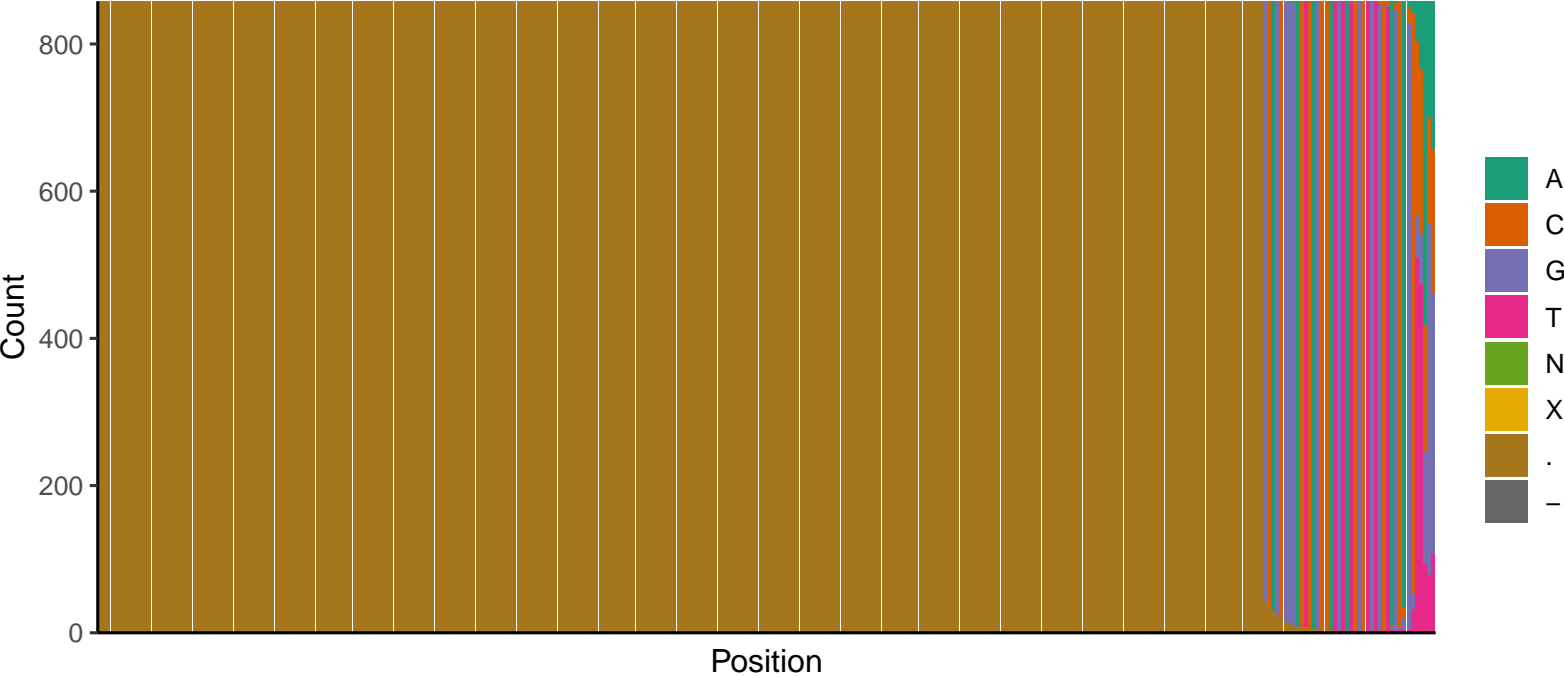
Gene TRBV7-7*ap01_C315T



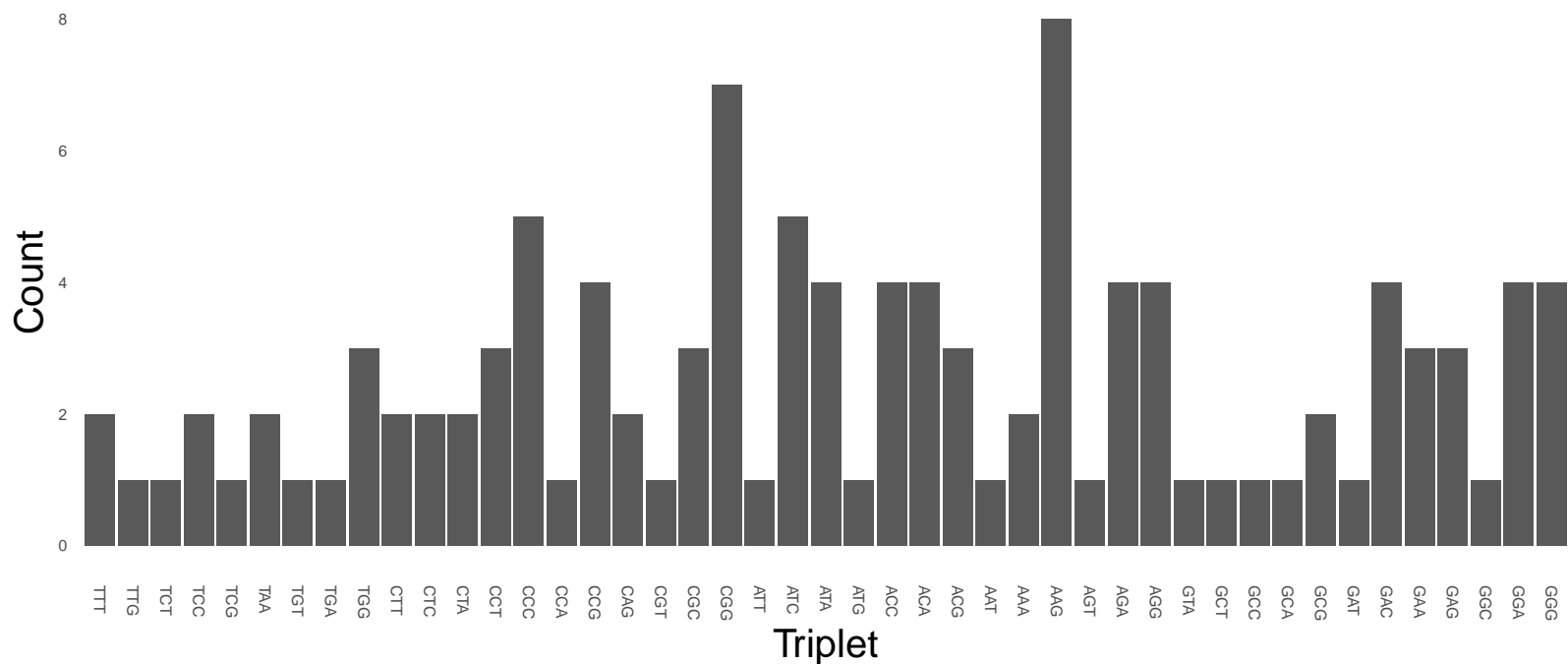
Gene TRBV7-1*ap01_T296C



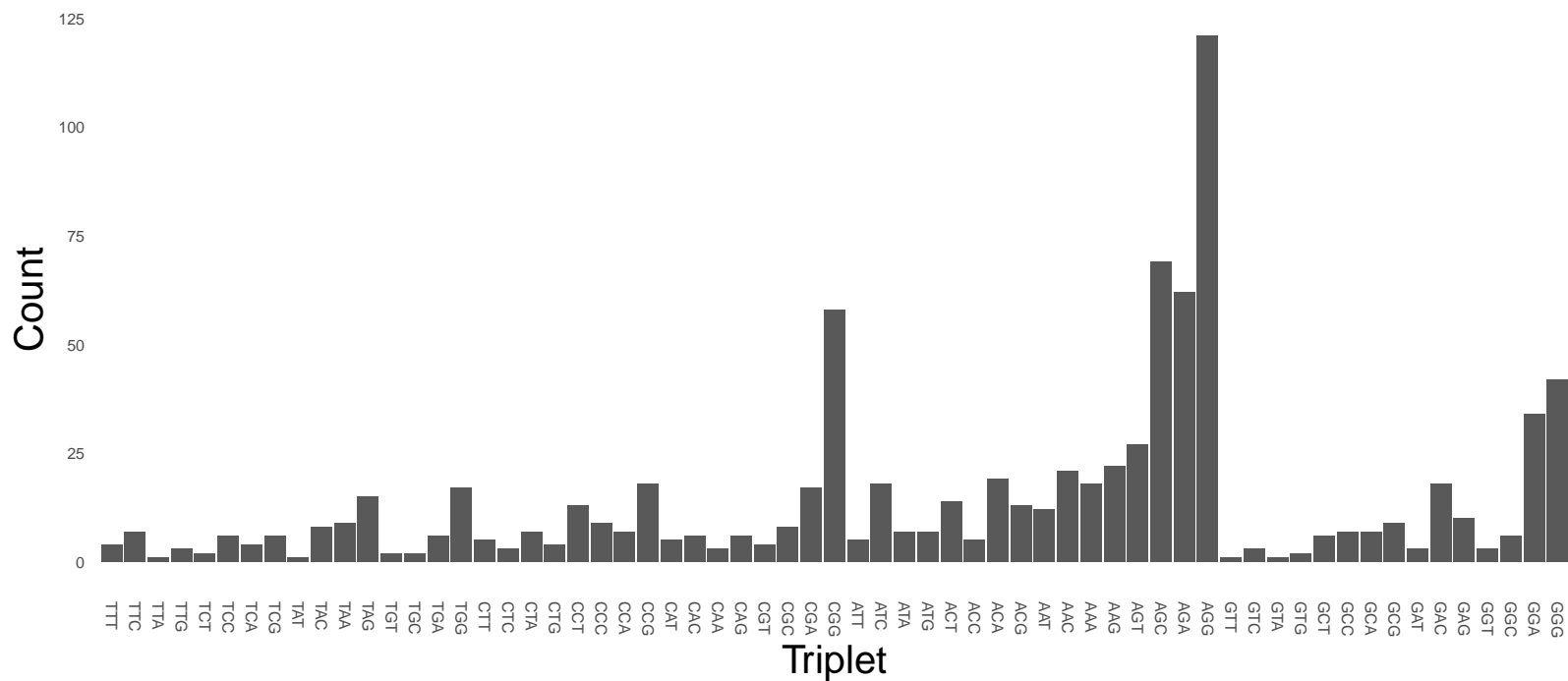
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

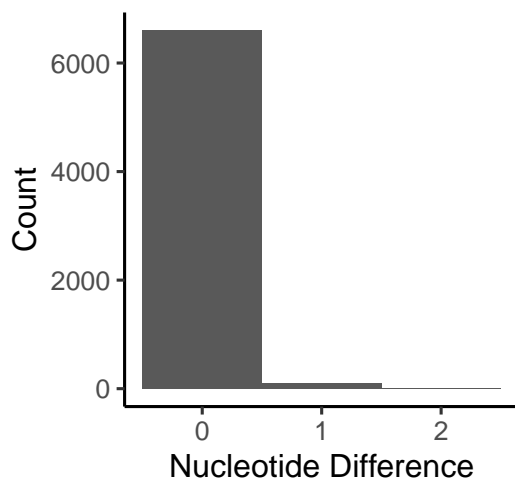


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



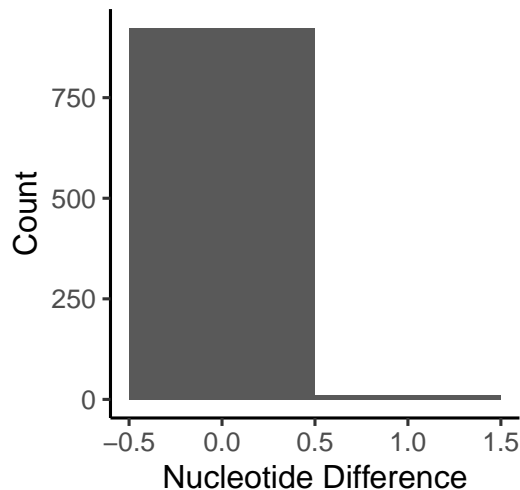
TRBV20-1*ap01

6704 sequences assigned
6601 (98.5%) exact matches, in which:
6416 unique CDR3
13 unique J



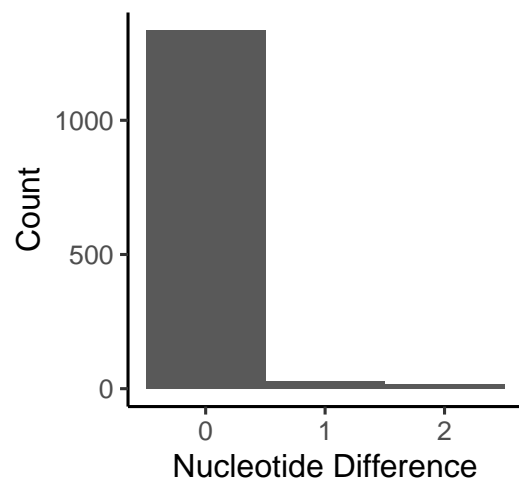
TRBV10-2*ap01

935 sequences assigned
924 (98.8%) exact matches, in which:
888 unique CDR3
13 unique J



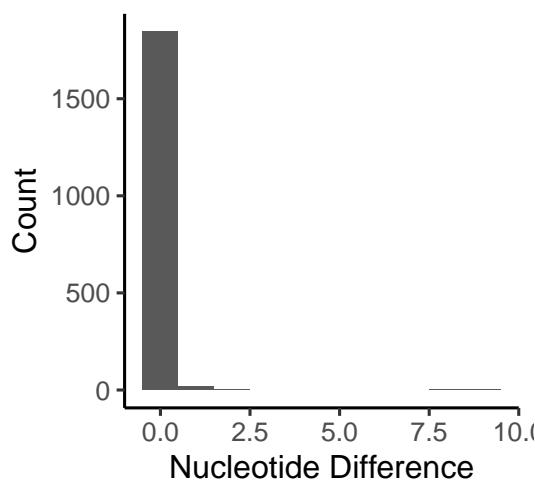
TRBV13*ap01

1380 sequences assigned
1335 (96.7%) exact matches, in which:
1295 unique CDR3
13 unique J



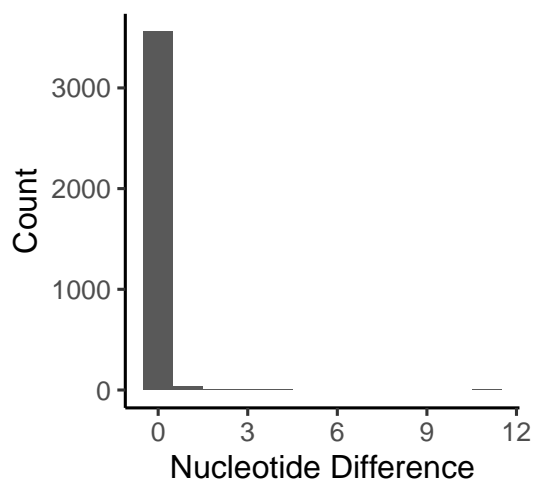
TRBV10-1*ap01

1867 sequences assigned
1845 (98.8%) exact matches, in which:
1791 unique CDR3
13 unique J



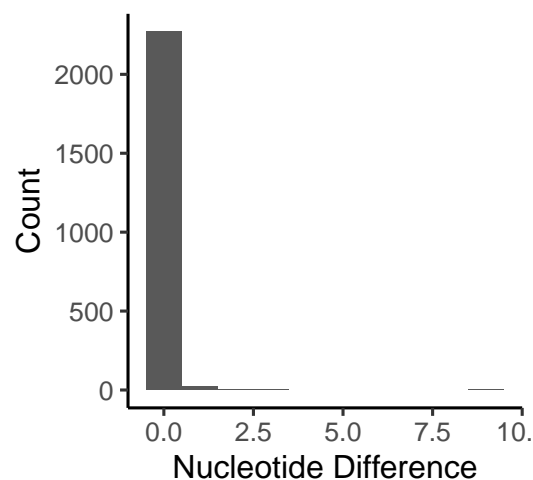
TRBV10-3*ap01

3598 sequences assigned
3558 (98.9%) exact matches, in which:
3441 unique CDR3
13 unique J



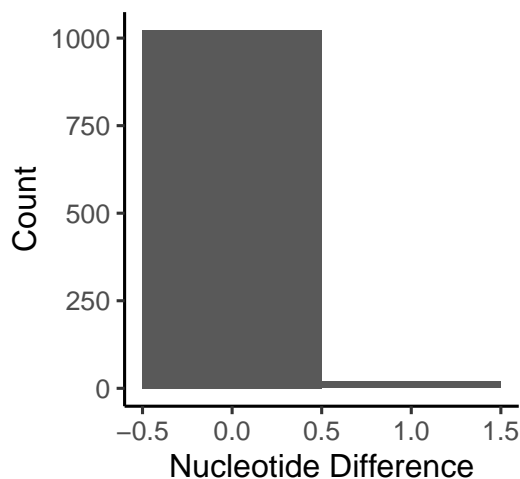
TRBV14*ap01

2300 sequences assigned
2270 (98.7%) exact matches, in which:
2193 unique CDR3
13 unique J



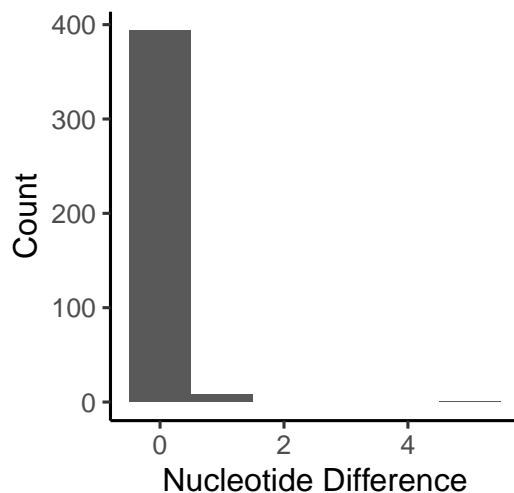
TRBV20-1*ap02

1042 sequences assigned
1023 (98.2%) exact matches, in which:
988 unique CDR3
13 unique J



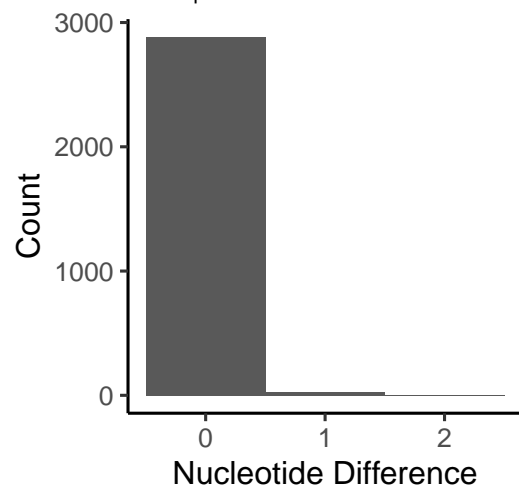
TRBV1*ap01

403 sequences assigned
394 (97.8%) exact matches, in which:
387 unique CDR3
13 unique J



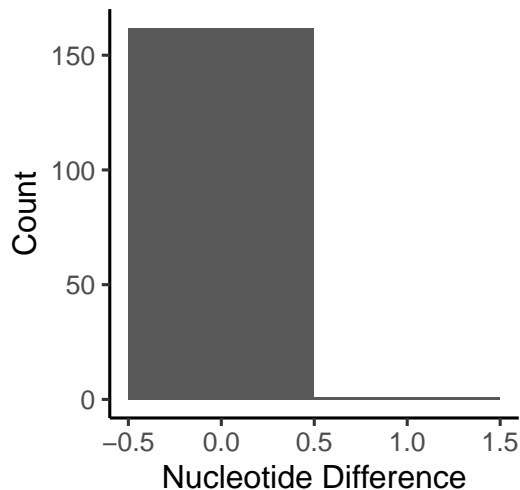
TRBV15*ap02

2910 sequences assigned
2883 (99.1%) exact matches, in which:
2796 unique CDR3
13 unique J



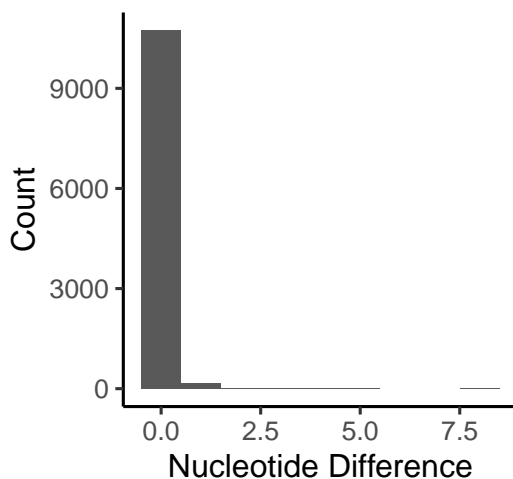
TRBV16*ap01

163 sequences assigned
162 (99.4%) exact matches, in which:
156 unique CDR3
13 unique J



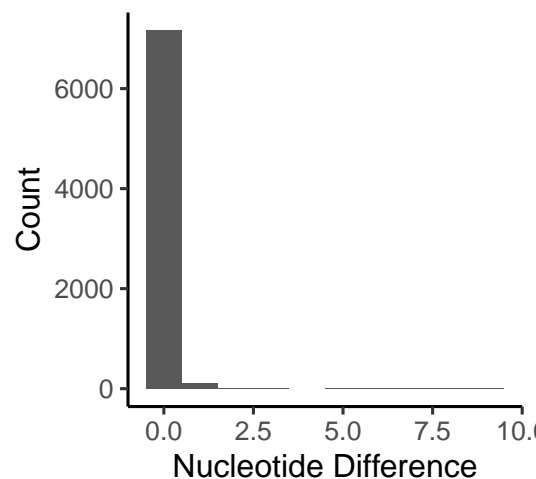
TRBV19*ap01

10917 sequences assigned
10737 (98.4%) exact matches, in which:
10449 unique CDR3
13 unique J



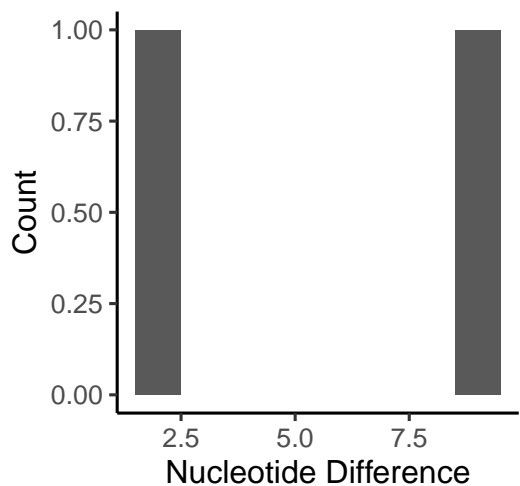
TRBV27*ap01

7283 sequences assigned
7164 (98.4%) exact matches, in which:
6973 unique CDR3
14 unique J



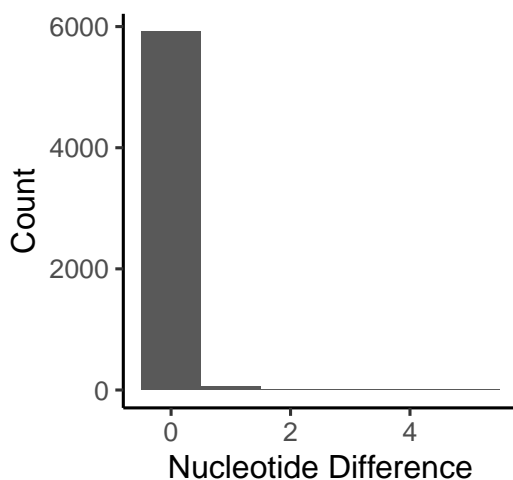
TRBV17*ap01

2 sequences assigned
No exact matches.



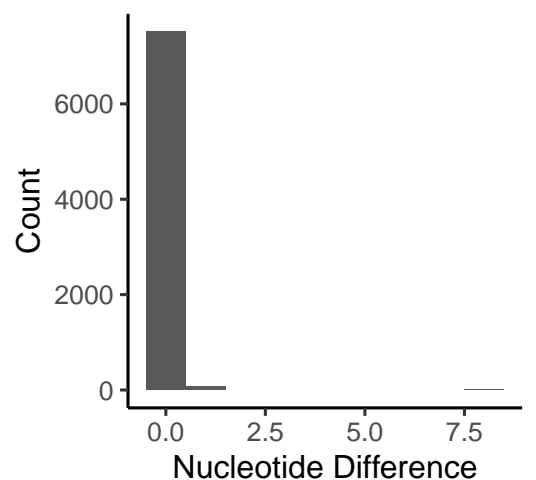
TRBV2*ap01

5988 sequences assigned
5915 (98.8%) exact matches, in which:
5774 unique CDR3
13 unique J



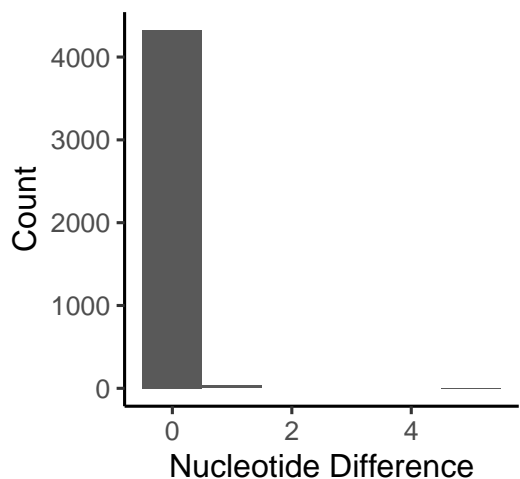
TRBV28*ap01

7595 sequences assigned
7513 (98.9%) exact matches, in which:
7235 unique CDR3
13 unique J



TRBV18*ap01

4362 sequences assigned
4326 (99.2%) exact matches, in which:
4196 unique CDR3
13 unique J



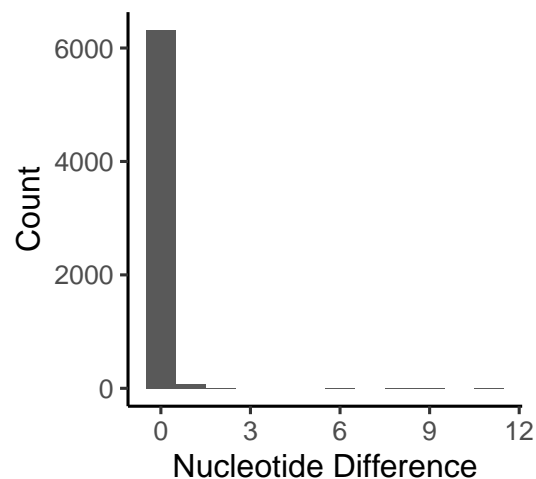
TRBV26*ap01

1 sequences assigned
No exact matches.



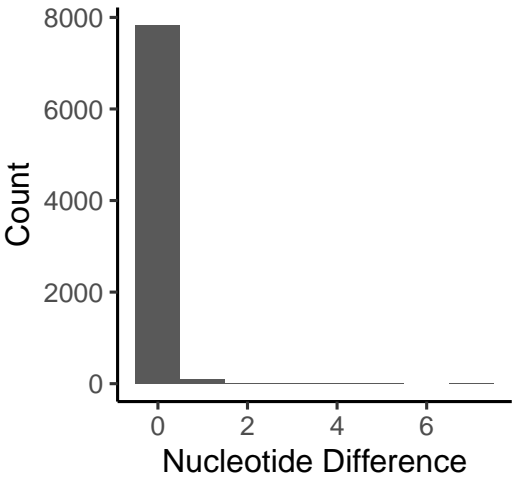
TRBV30*ap01

6407 sequences assigned
6317 (98.6%) exact matches, in which:
6237 unique CDR3
13 unique J



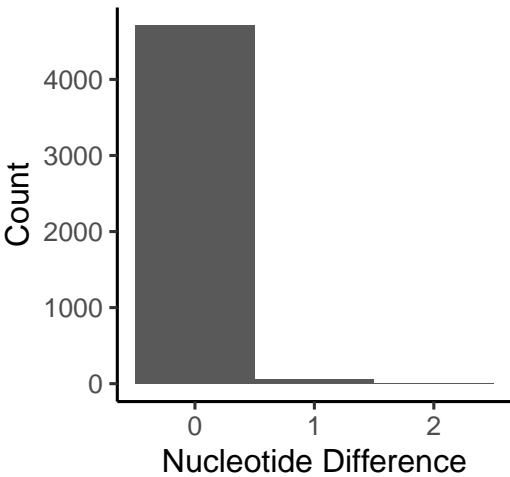
TRBV9*ap01

7933 sequences assigned
7825 (98.6%) exact matches, in which:
7598 unique CDR3
13 unique J



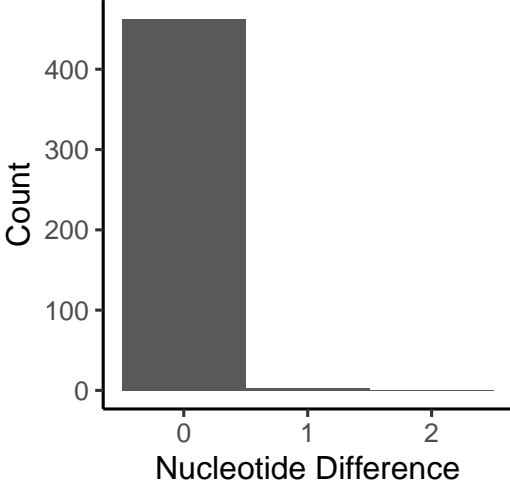
TRBV11-2*ap01

4773 sequences assigned
4710 (98.7%) exact matches, in which:
4542 unique CDR3
13 unique J



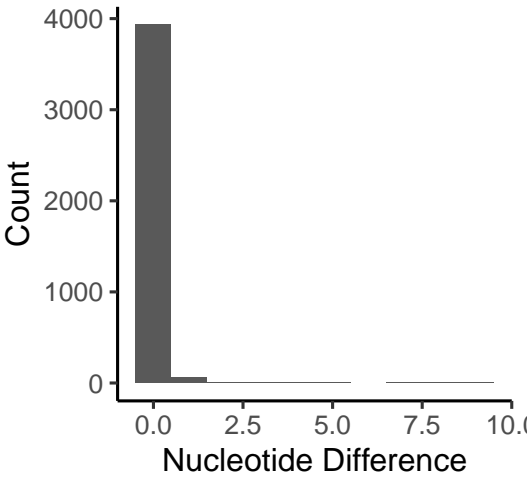
TRBV12-2*ap01

467 sequences assigned
463 (99.1%) exact matches, in which:
449 unique CDR3
13 unique J



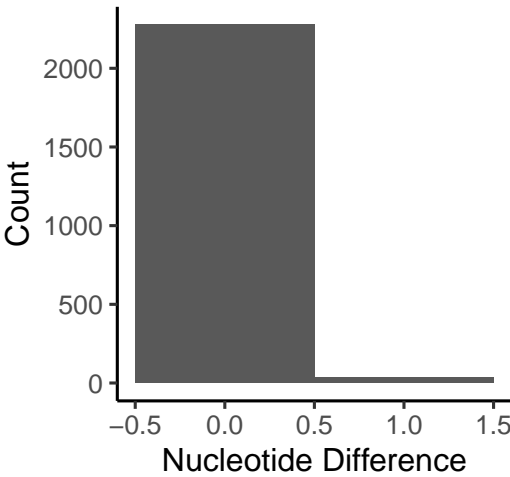
TRBV21-1*ap01

4009 sequences assigned
3933 (98.1%) exact matches, in which:
3815 unique CDR3
13 unique J



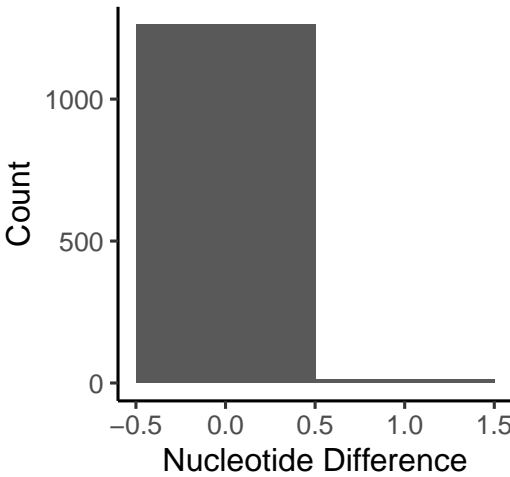
TRBV11-3*ap01

2309 sequences assigned
2277 (98.6%) exact matches, in which:
2219 unique CDR3
13 unique J



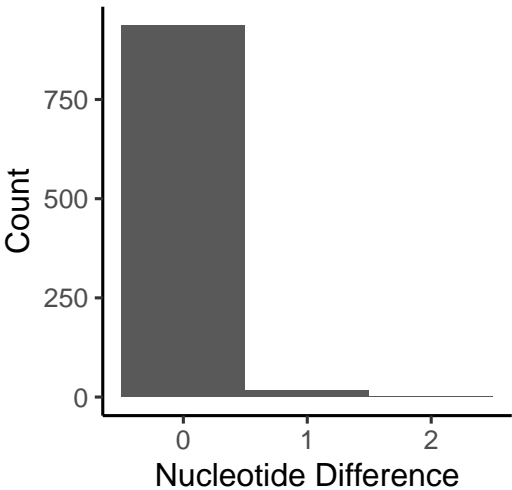
TRBV12-5*ap01

1275 sequences assigned
1262 (99%) exact matches, in which:
1220 unique CDR3
13 unique J



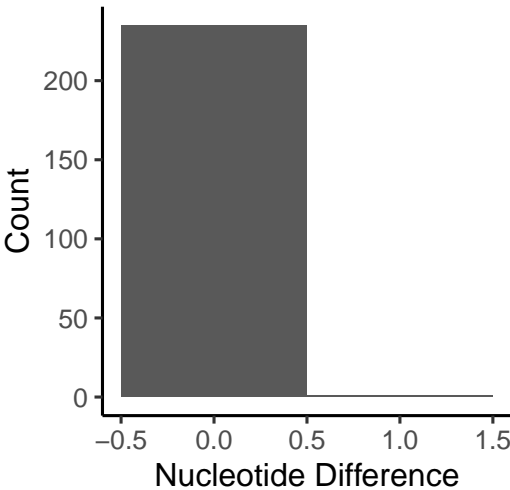
TRBV11-1*ap01

954 sequences assigned
937 (98.2%) exact matches, in which:
906 unique CDR3
13 unique J



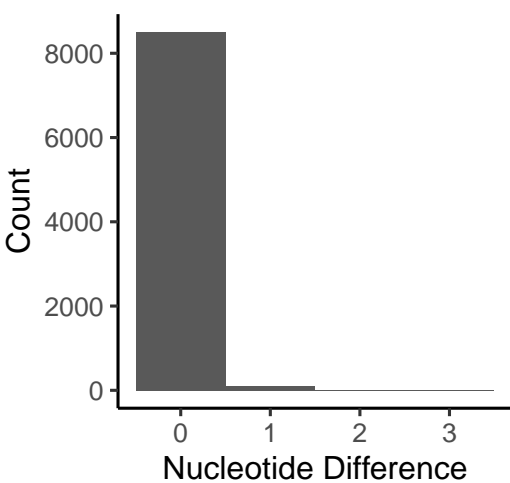
TRBV12-1*ap01

236 sequences assigned
235 (99.6%) exact matches, in which:
227 unique CDR3
13 unique J



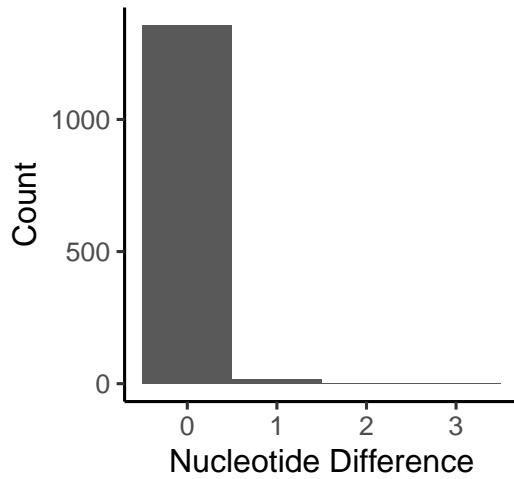
TRBV12-34*ap01

8615 sequences assigned
8504 (98.7%) exact matches, in which:
8285 unique CDR3
13 unique J



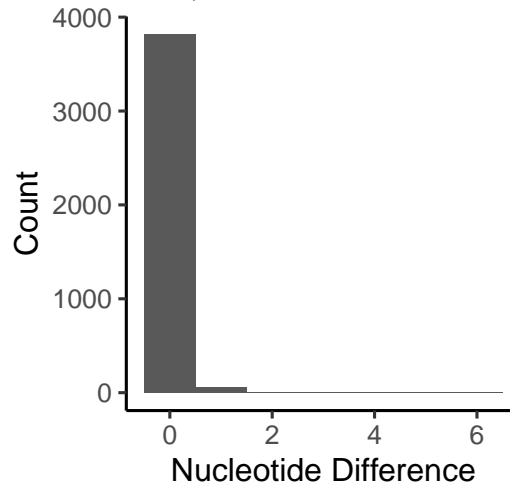
TRBV23-1*ap01

1376 sequences assigned
1356 (98.5%) exact matches, in which:
1313 unique CDR3
13 unique J



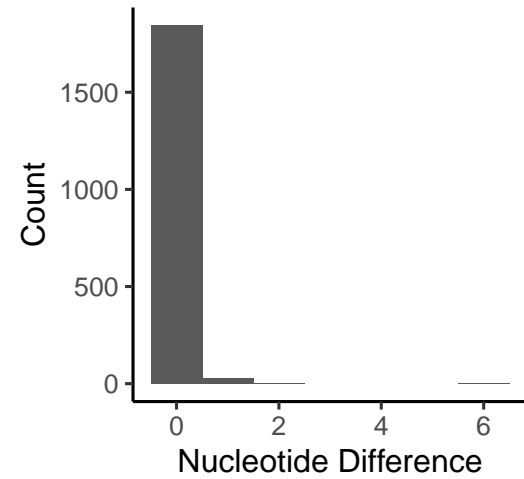
TRBV24-1*ap01

3882 sequences assigned
3816 (98.3%) exact matches, in which:
3762 unique CDR3
13 unique J



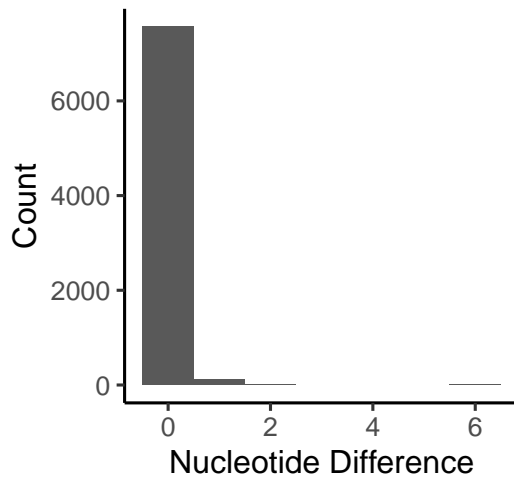
TRBV25-1*ap01

1878 sequences assigned
1844 (98.2%) exact matches, in which:
1812 unique CDR3
13 unique J



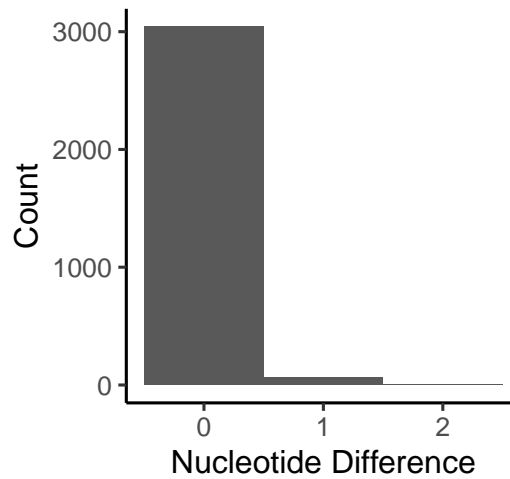
TRBV3-12*ap01

7685 sequences assigned
7566 (98.5%) exact matches, in which:
7382 unique CDR3
13 unique J



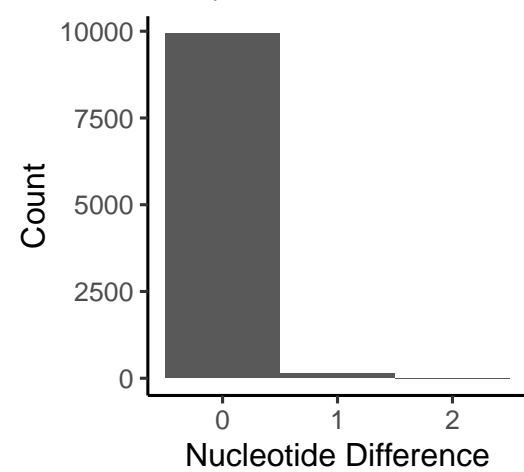
TRBV4-2*ap01

3104 sequences assigned
3042 (98%) exact matches, in which:
2965 unique CDR3
13 unique J



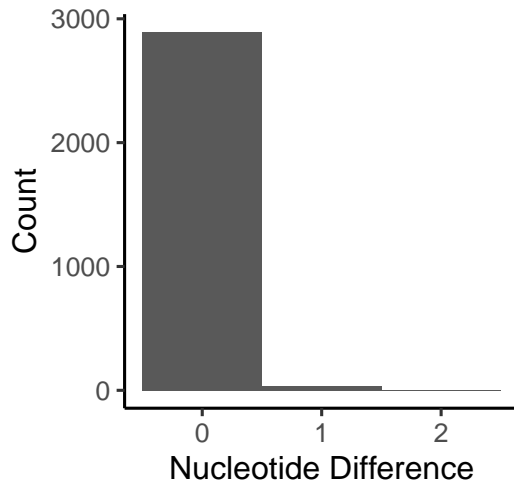
TRBV5-1*ap01

10069 sequences assigned
9935 (98.7%) exact matches, in which:
9628 unique CDR3
13 unique J



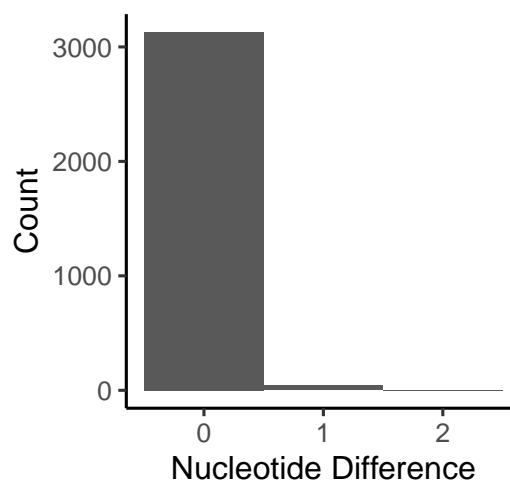
TRBV4-1*ap01

2929 sequences assigned
2893 (98.8%) exact matches, in which:
2818 unique CDR3
13 unique J



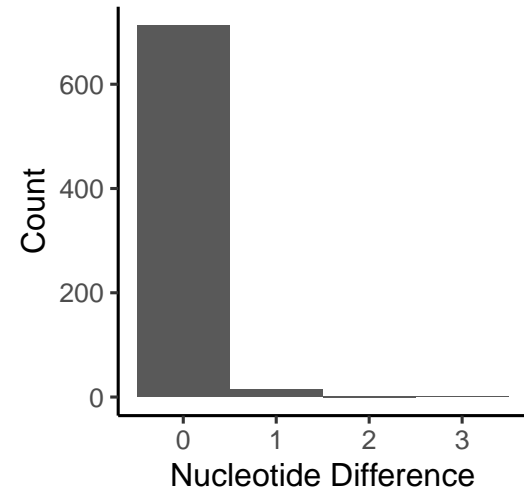
TRBV4-3*ap01

3175 sequences assigned
3130 (98.6%) exact matches, in which:
3060 unique CDR3
13 unique J



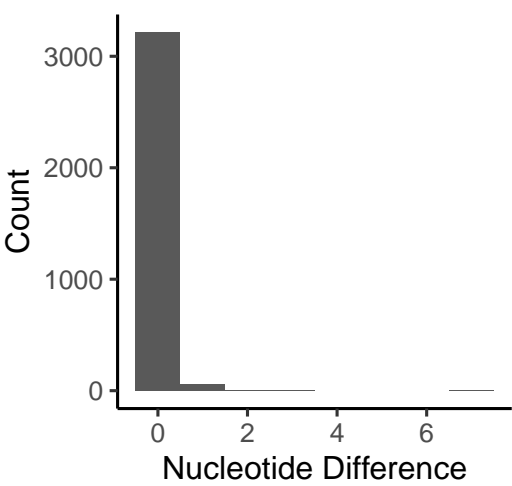
TRBV5-3*ap01

730 sequences assigned
713 (97.7%) exact matches, in which:
689 unique CDR3
13 unique J



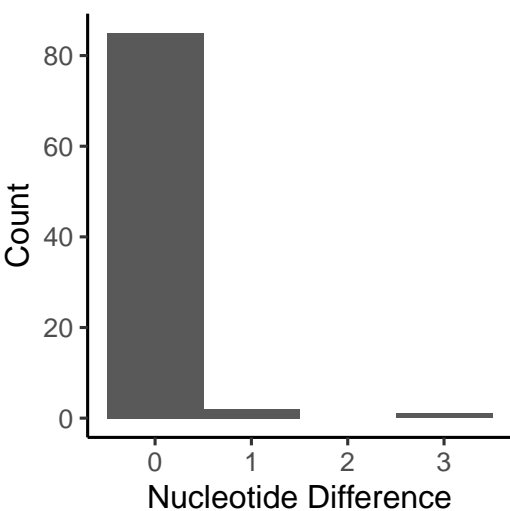
TRBV5-4*ap01

3276 sequences assigned
3214 (98.1%) exact matches, in which:
3146 unique CDR3
13 unique J



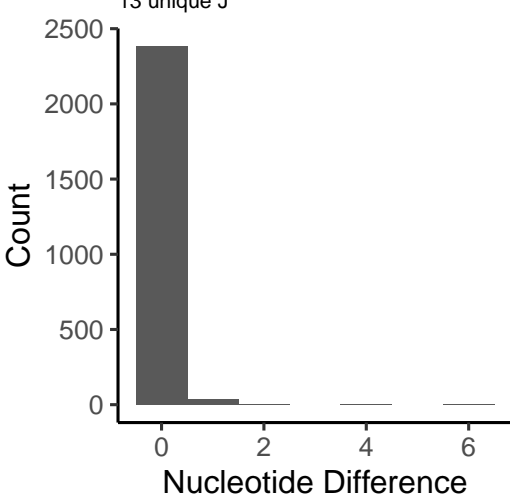
TRBV5-7*ap01

88 sequences assigned
85 (96.6%) exact matches, in which:
81 unique CDR3
13 unique J



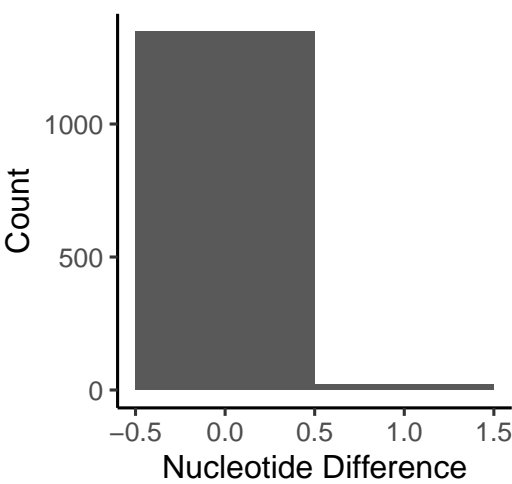
TRBV6-4*ap01

2421 sequences assigned
2382 (98.4%) exact matches, in which:
2339 unique CDR3
13 unique J



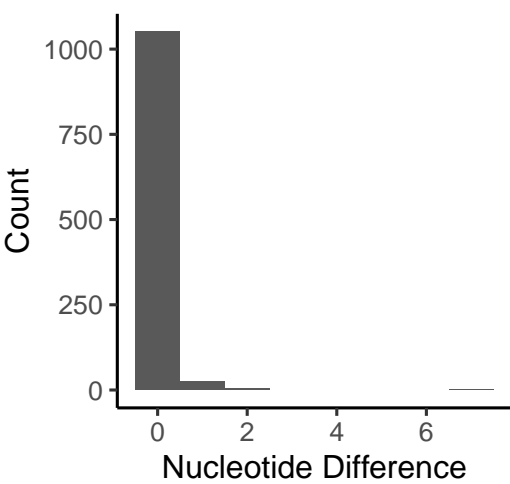
TRBV5-5*ap01

1368 sequences assigned
1347 (98.5%) exact matches, in which:
1314 unique CDR3
13 unique J



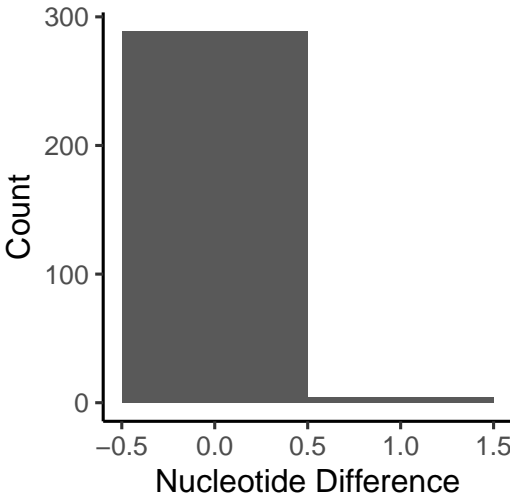
TRBV5-8*ap01

1081 sequences assigned
1051 (97.2%) exact matches, in which:
1014 unique CDR3
13 unique J



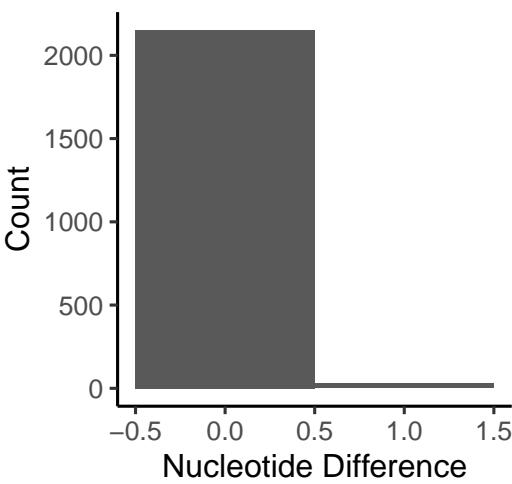
TRBV6-7*ap01

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



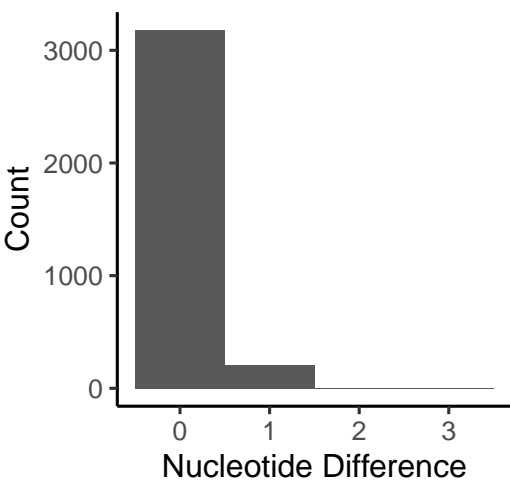
TRBV5-6*ap01

2180 sequences assigned
2152 (98.7%) exact matches, in which:
2091 unique CDR3
13 unique J



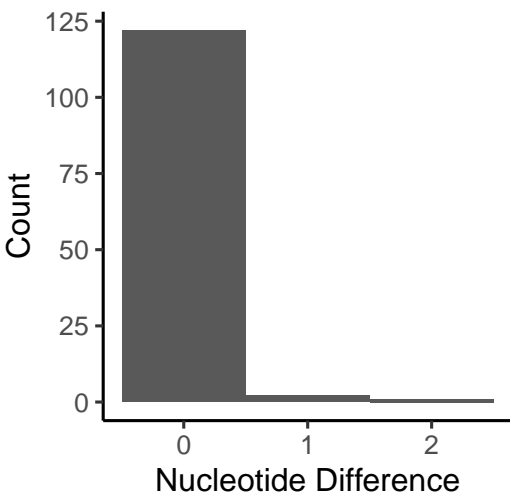
TRBV6-1*ap01

3392 sequences assigned
3180 (93.8%) exact matches, in which:
3097 unique CDR3
13 unique J



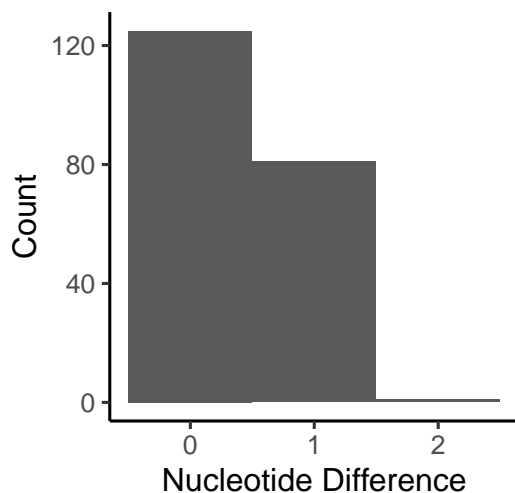
TRBV6-8*ap01

125 sequences assigned
122 (97.6%) exact matches, in which:
121 unique CDR3
13 unique J



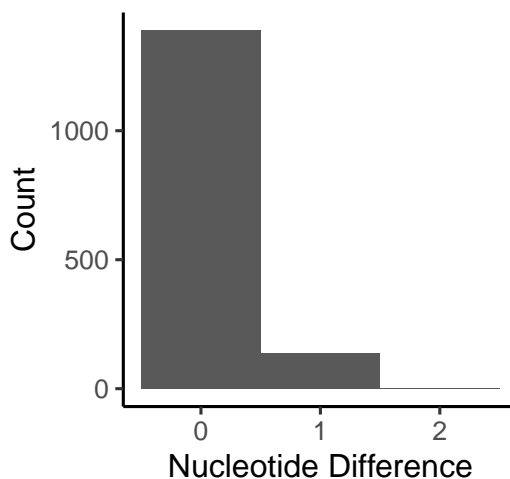
TRBV6-9*ap01

207 sequences assigned
125 (60.4%) exact matches, in which:
121 unique CDR3
12 unique J



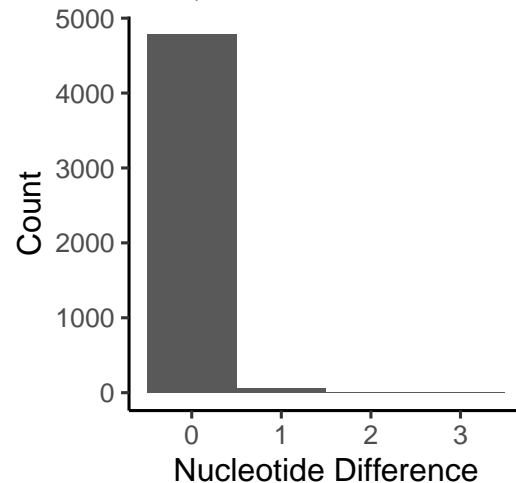
TRBV6-56*ap02

1526 sequences assigned
1389 (91%) exact matches, in which:
1352 unique CDR3
13 unique J



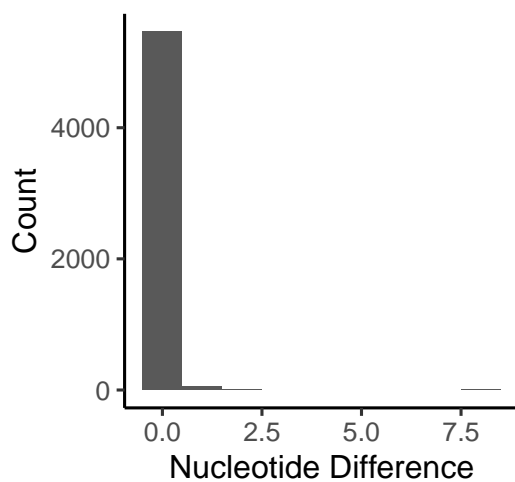
TRBV7-3*ap01

4848 sequences assigned
4783 (98.7%) exact matches, in which:
4684 unique CDR3
13 unique J



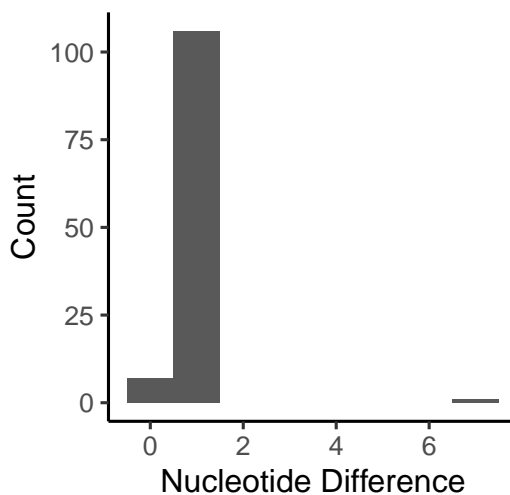
TRBV6-23*ap01

5518 sequences assigned
5464 (99%) exact matches, in which:
5352 unique CDR3
13 unique J



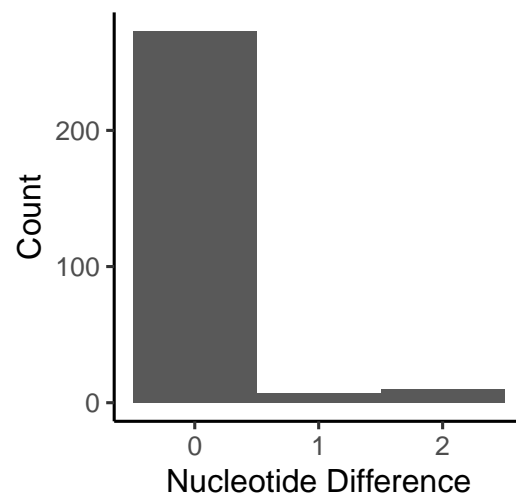
TRBV7-1*ap01_T296C

114 sequences assigned
7 (6.1%) exact matches, in which:
7 unique CDR3
6 unique J



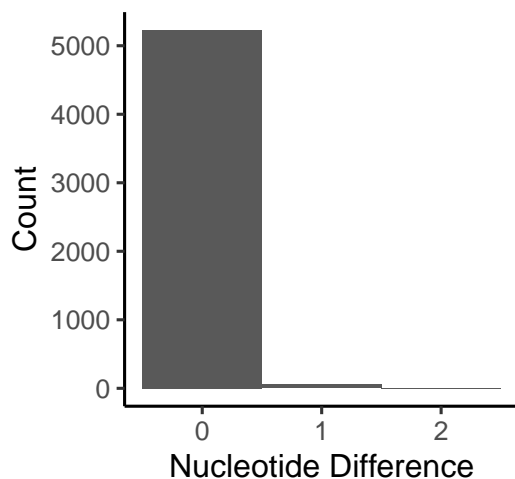
TRBV7-4*ap01

290 sequences assigned
273 (94.1%) exact matches, in which:
268 unique CDR3
13 unique J



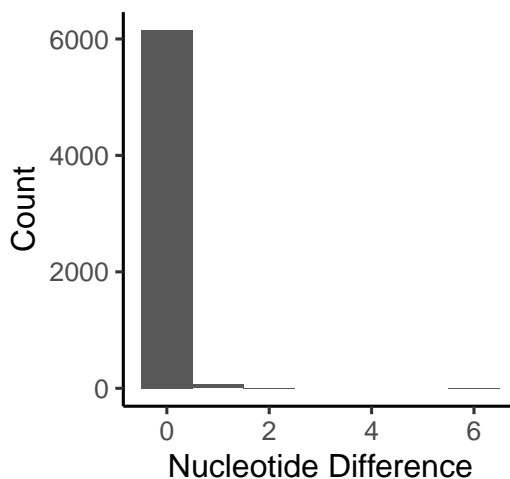
TRBV6-56*ap01

5288 sequences assigned
5229 (98.9%) exact matches, in which:
5105 unique CDR3
13 unique J



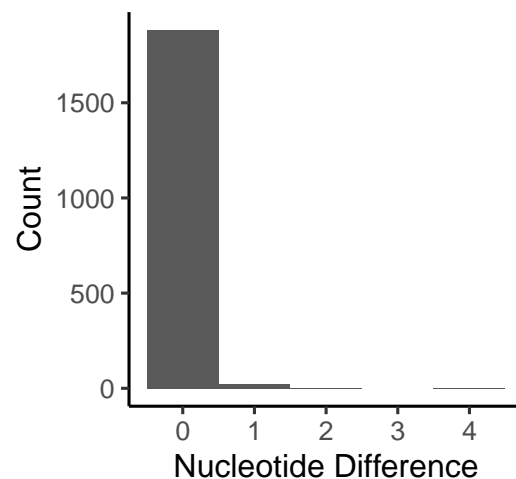
TRBV7-2*ap01

6224 sequences assigned
6153 (98.9%) exact matches, in which:
5951 unique CDR3
13 unique J



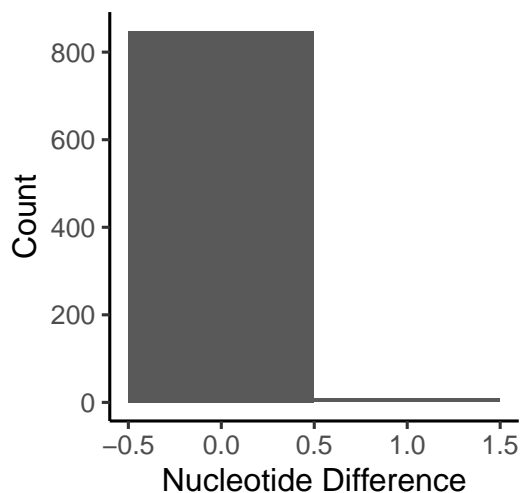
TRBV7-6*ap01

1906 sequences assigned
1882 (98.7%) exact matches, in which:
1826 unique CDR3
13 unique J



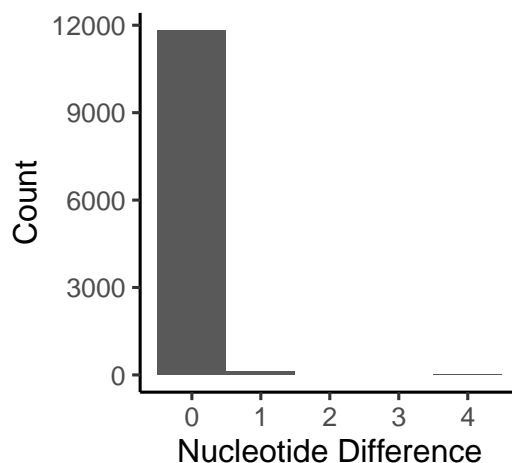
TRBV7-7*ap01_C315T

858 sequences assigned
849 (99%) exact matches, in which:
830 unique CDR3
13 unique J



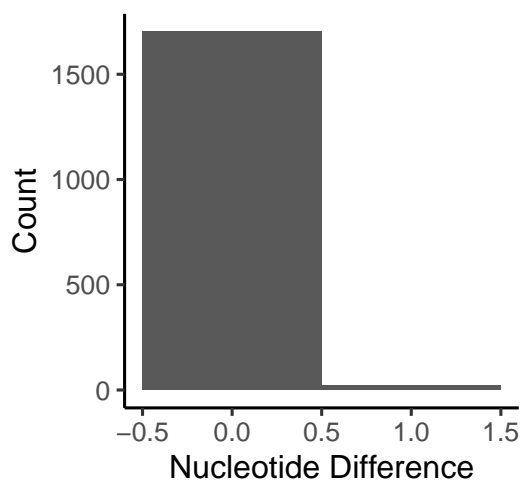
TRBV7-9*ap01

11940 sequences assigned
11831 (99.1%) exact matches, in which:
11552 unique CDR3
13 unique J



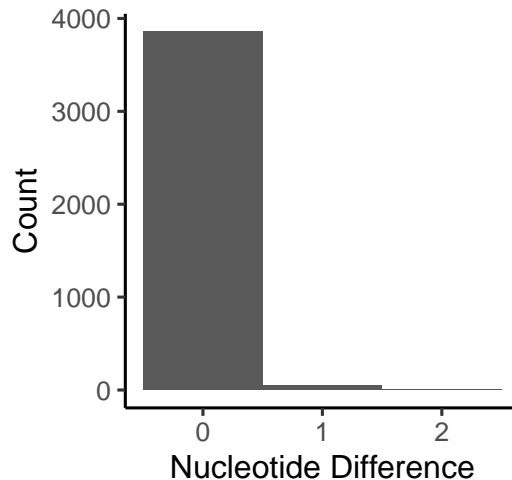
TRBV7-8*ap01

1722 sequences assigned
1702 (98.8%) exact matches, in which:
1656 unique CDR3
13 unique J



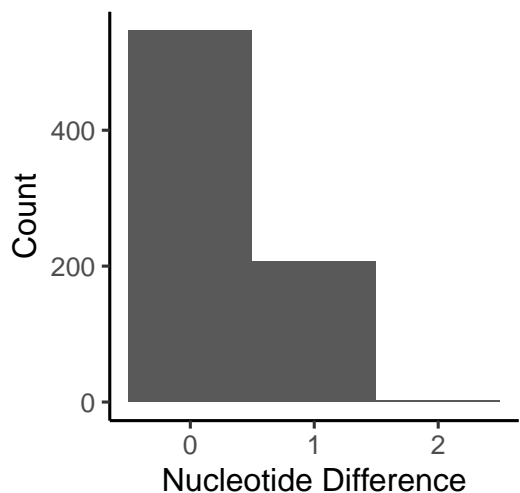
TRBV29-1*ap01

3911 sequences assigned
3857 (98.6%) exact matches, in which:
3785 unique CDR3
13 unique J



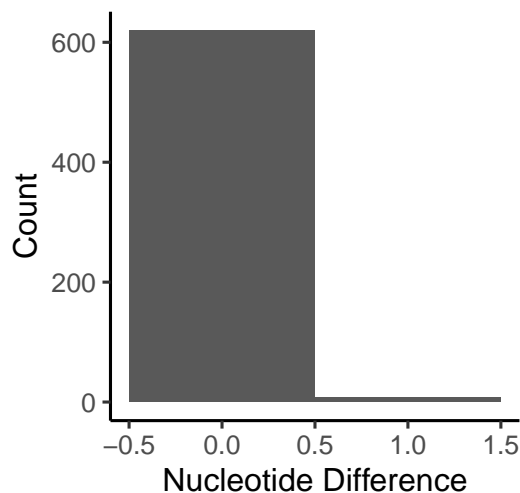
TRBV7-8*ap03

756 sequences assigned
547 (72.4%) exact matches, in which:
537 unique CDR3
13 unique J

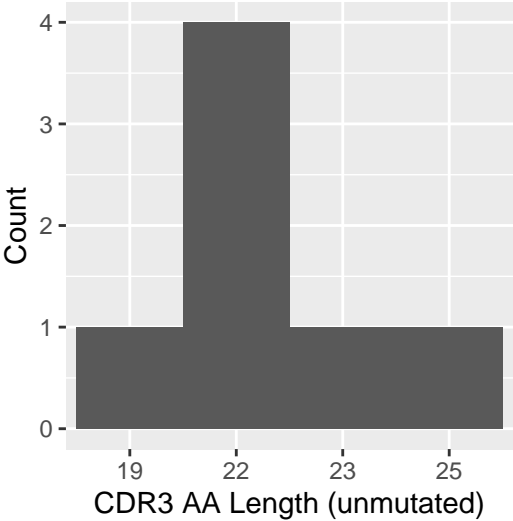


TRBV29-1*ap02

627 sequences assigned
620 (98.9%) exact matches, in which:
608 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

