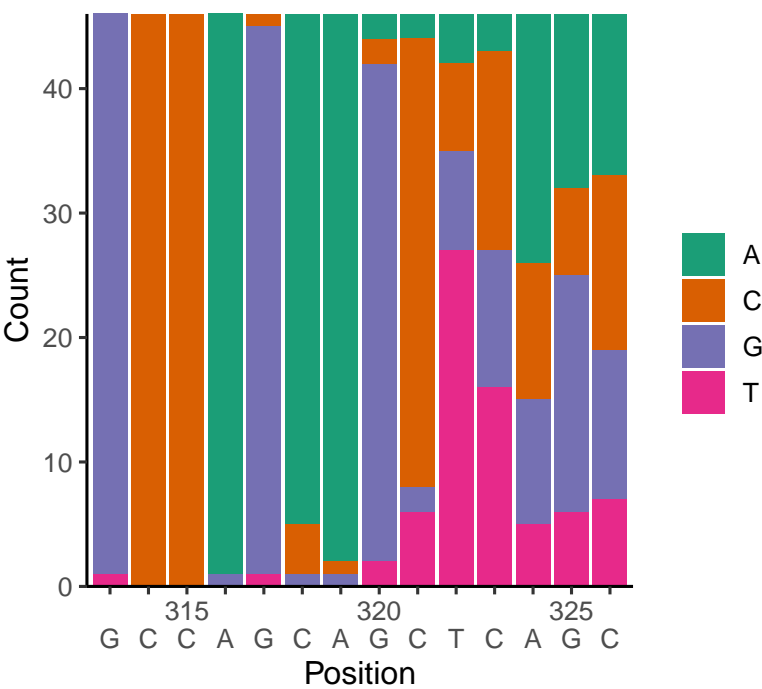
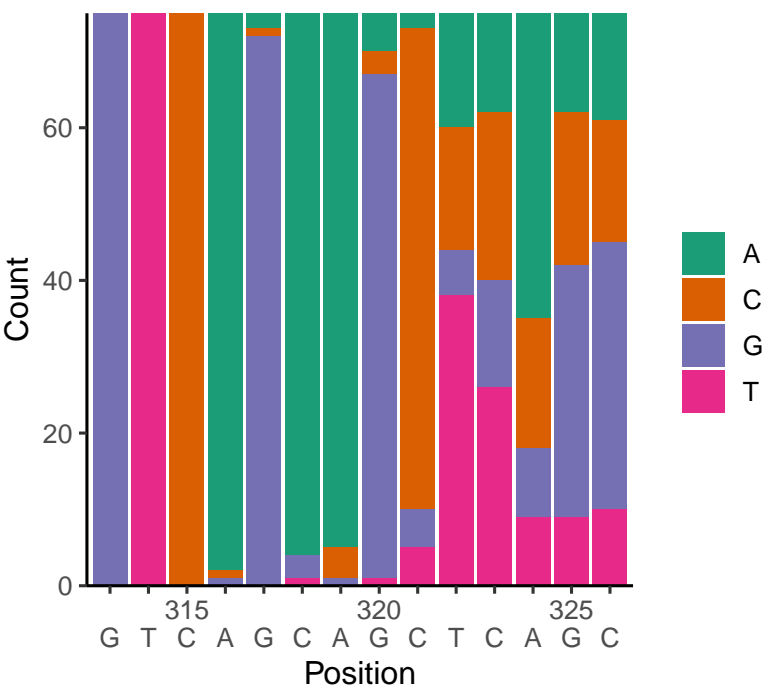


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



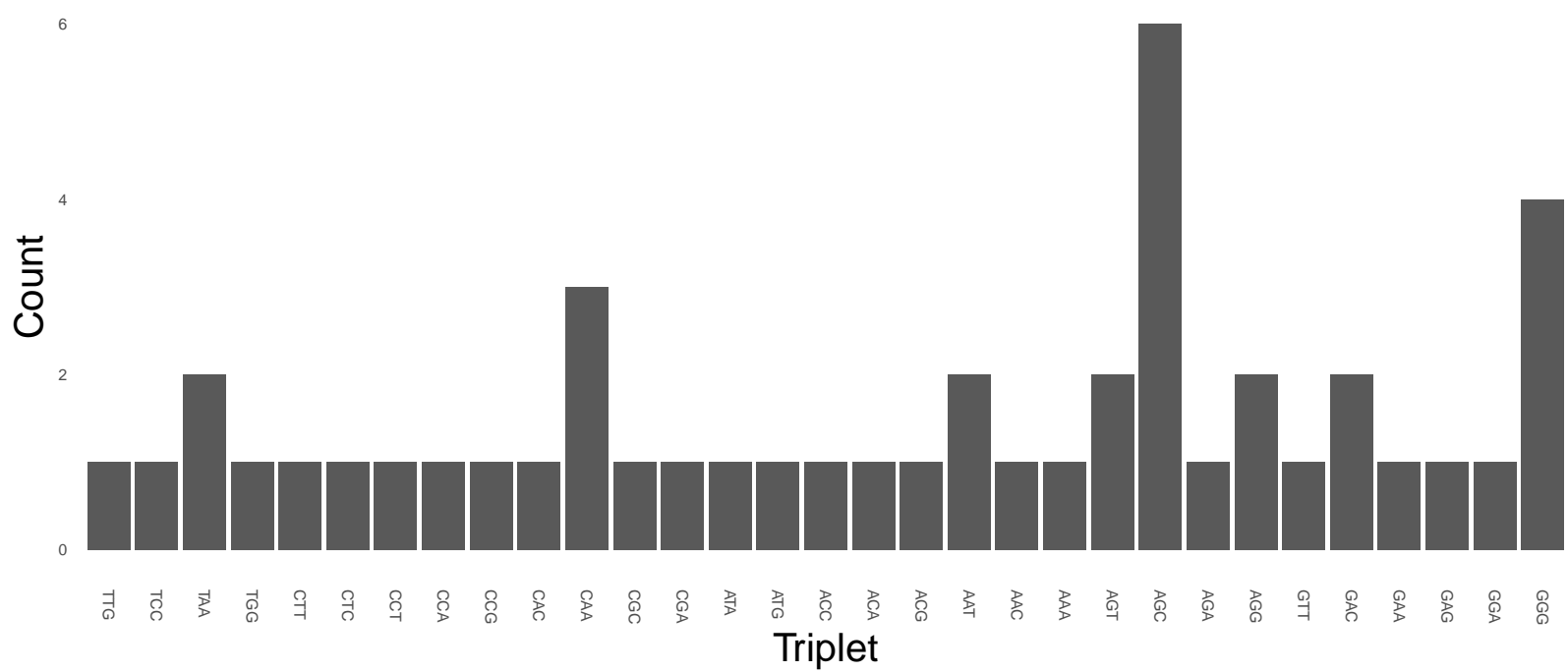
Gene TRBV7-1*ap01_G291C_T296C



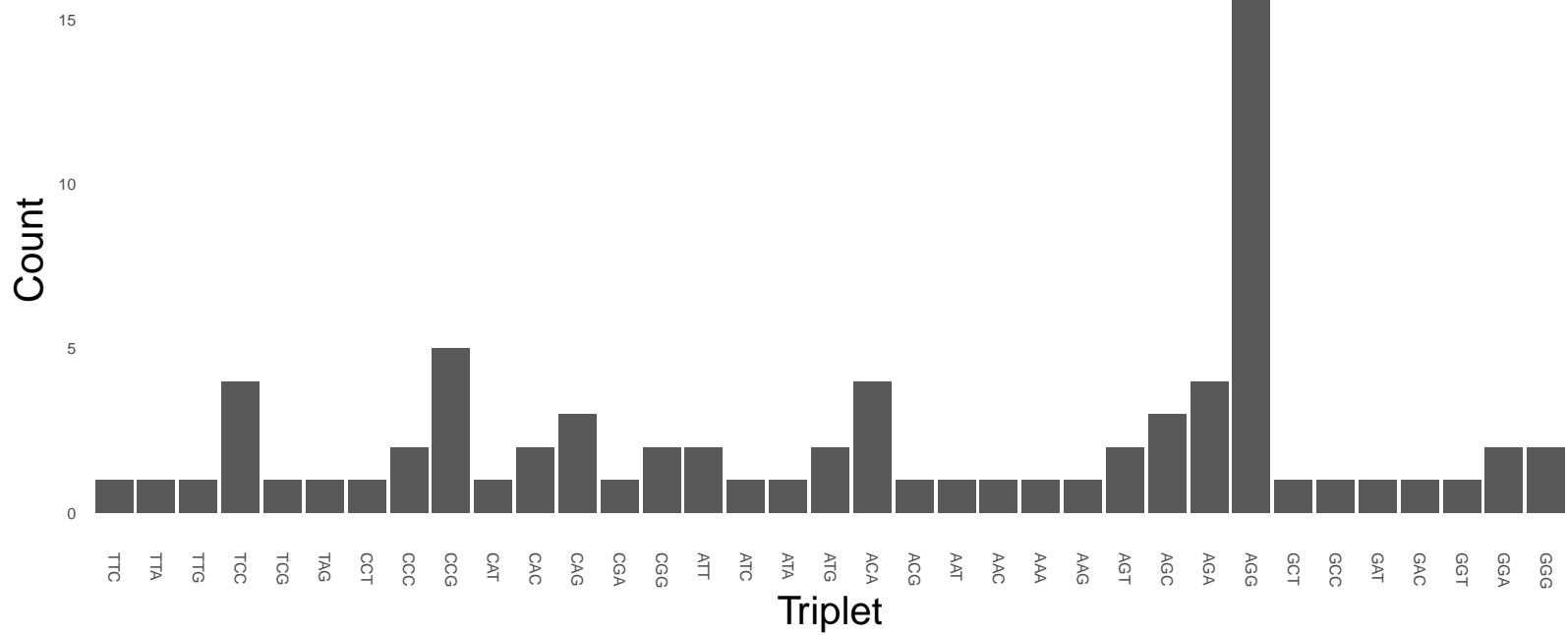
Gene TRBV7-1*ap01_G291C_T296C_C314T



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

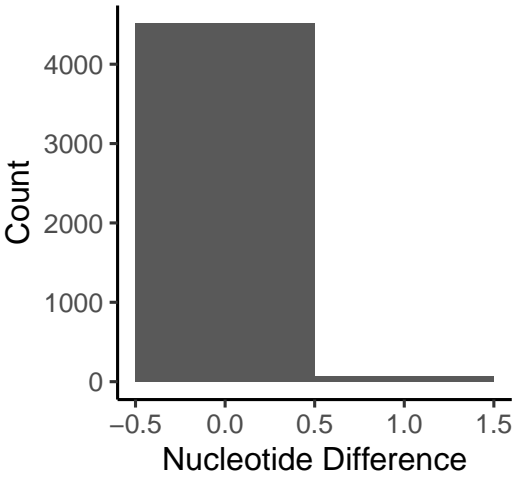


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



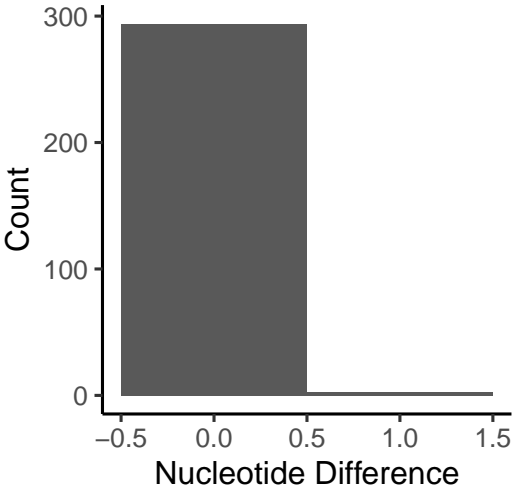
TRBV20-1*ap01

4579 sequences assigned
4514 (98.6%) exact matches, in which:
4441 unique CDR3
13 unique J



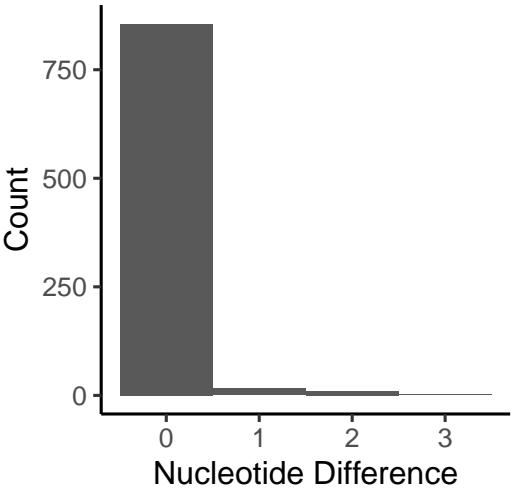
TRBV10-2*ap01

297 sequences assigned
294 (99%) exact matches, in which:
290 unique CDR3
13 unique J



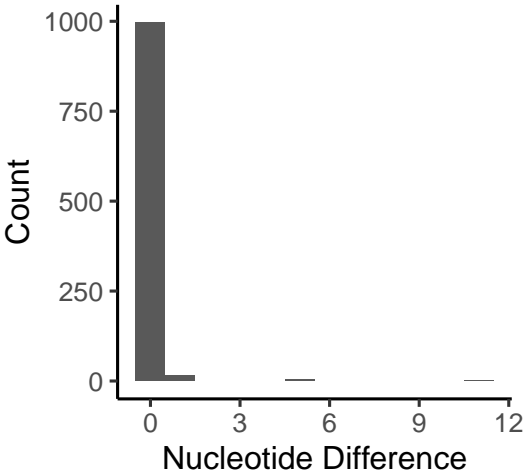
TRBV13*ap01

885 sequences assigned
856 (96.7%) exact matches, in which:
834 unique CDR3
13 unique J



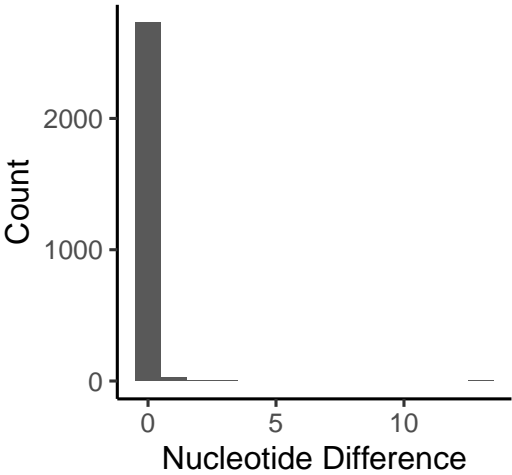
TRBV10-1*ap01

1015 sequences assigned
996 (98.1%) exact matches, in which:
979 unique CDR3
13 unique J



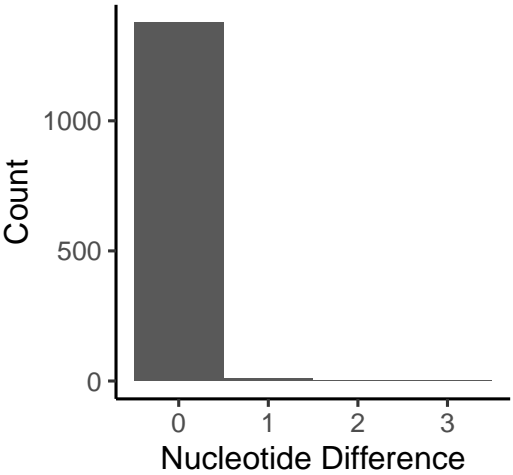
TRBV10-3*ap01

2760 sequences assigned
2729 (98.9%) exact matches, in which:
2668 unique CDR3
13 unique J



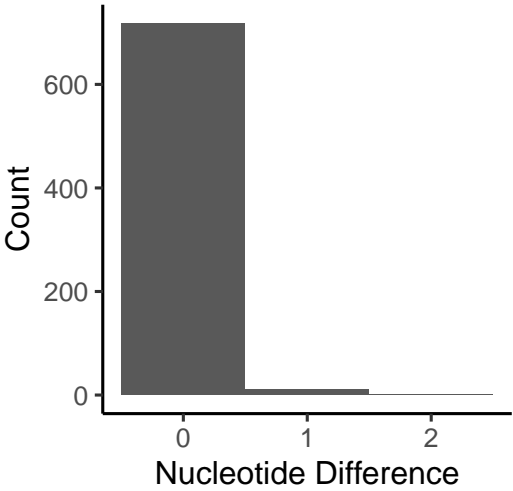
TRBV14*ap01

1388 sequences assigned
1377 (99.2%) exact matches, in which:
1352 unique CDR3
13 unique J



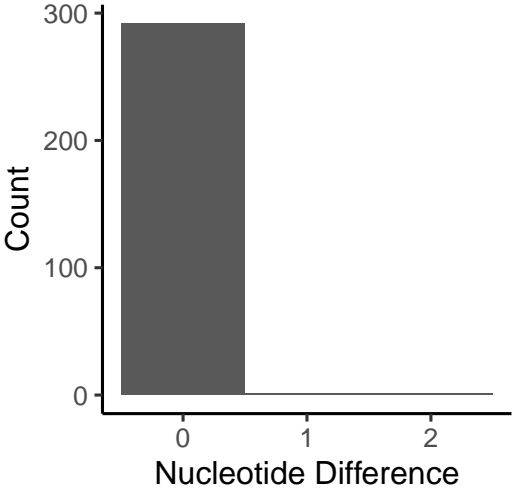
TRBV20-1*ap02

729 sequences assigned
718 (98.5%) exact matches, in which:
703 unique CDR3
13 unique J



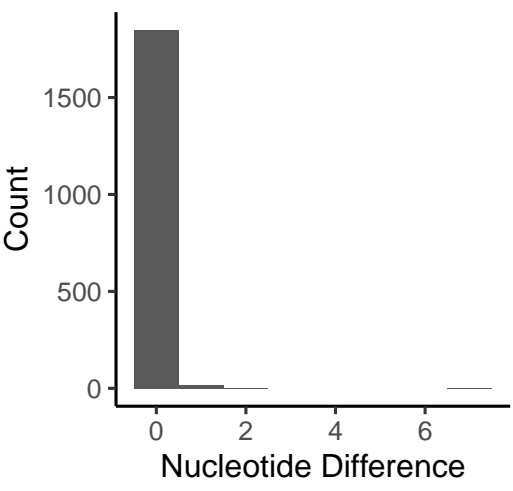
TRBV1*ap01

294 sequences assigned
292 (99.3%) exact matches, in which:
287 unique CDR3
13 unique J



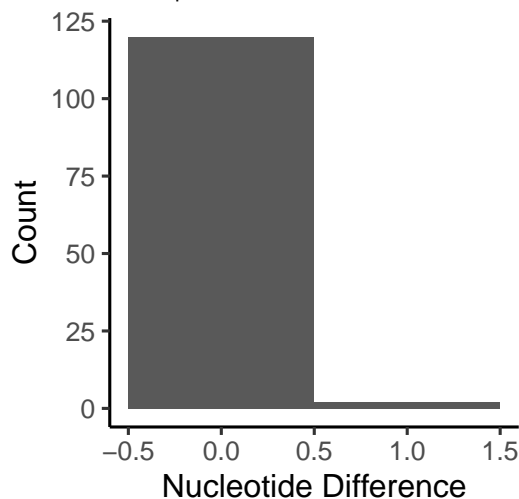
TRBV15*ap02

1867 sequences assigned
1848 (99%) exact matches, in which:
1804 unique CDR3
13 unique J



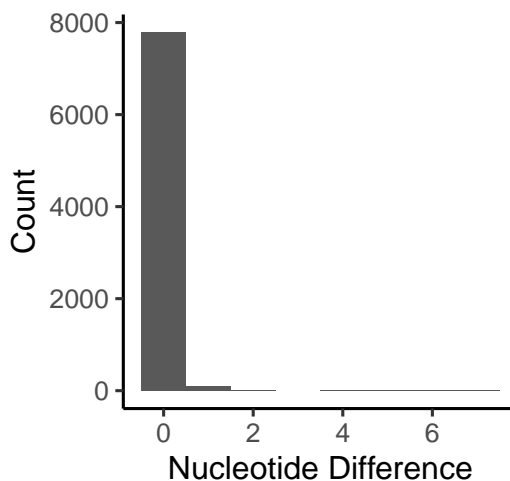
TRBV16*ap01

122 sequences assigned
120 (98.4%) exact matches, in which:
119 unique CDR3
13 unique J



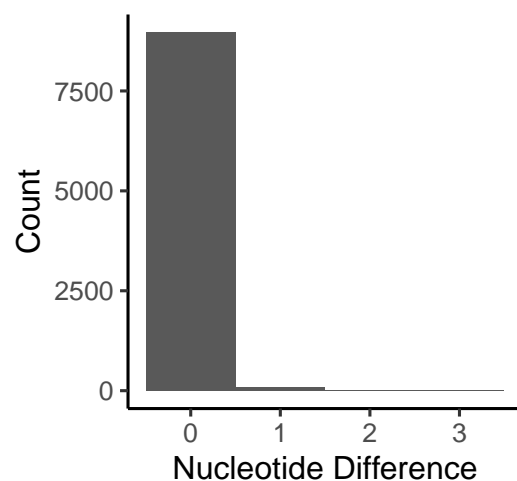
TRBV19*ap01

7887 sequences assigned
7786 (98.7%) exact matches, in which:
7667 unique CDR3
13 unique J



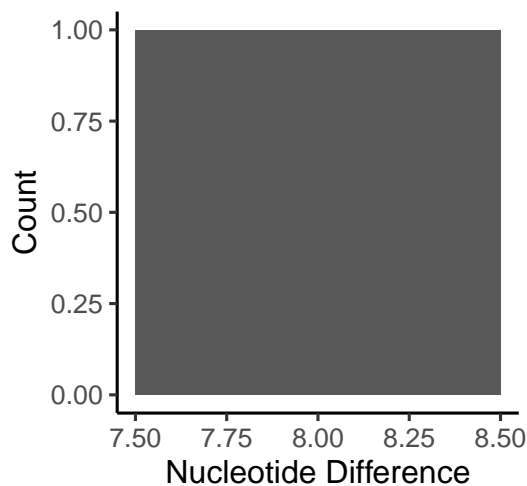
TRBV28*ap01

9068 sequences assigned
8965 (98.9%) exact matches, in which:
8794 unique CDR3
13 unique J



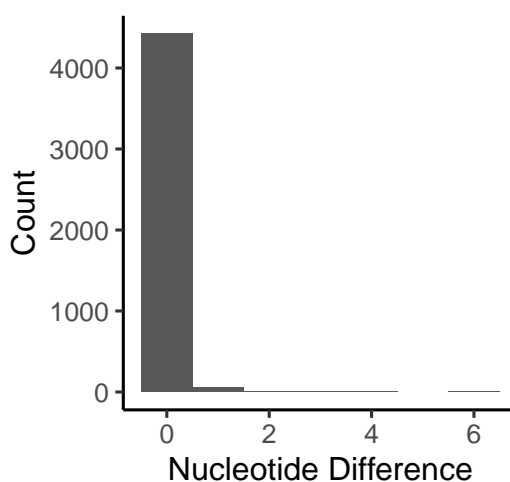
TRBV17*ap01

1 sequences assigned
No exact matches.



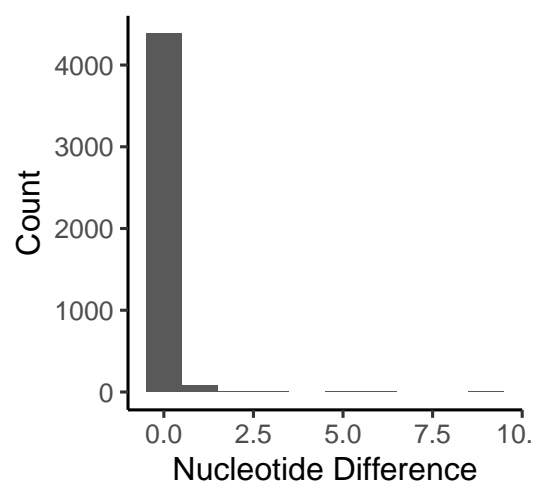
TRBV2*ap01

4491 sequences assigned
4423 (98.5%) exact matches, in which:
4368 unique CDR3
13 unique J



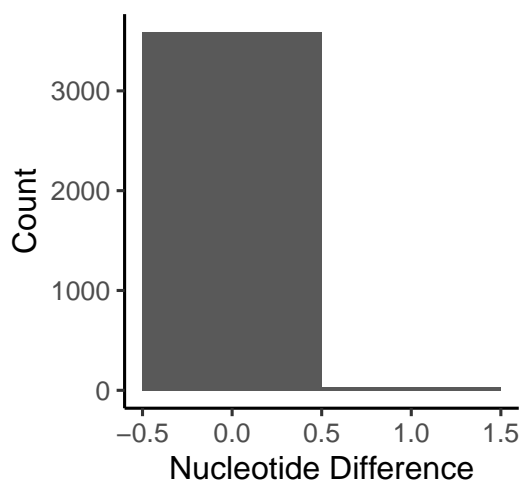
TRBV30*ap01

4469 sequences assigned
4383 (98.1%) exact matches, in which:
4344 unique CDR3
13 unique J



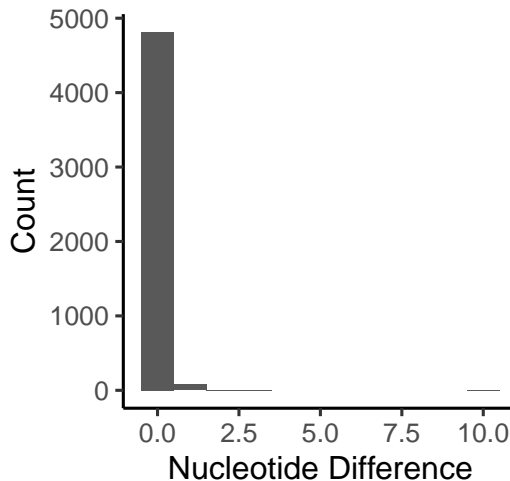
TRBV18*ap01

3620 sequences assigned
3589 (99.1%) exact matches, in which:
3531 unique CDR3
13 unique J



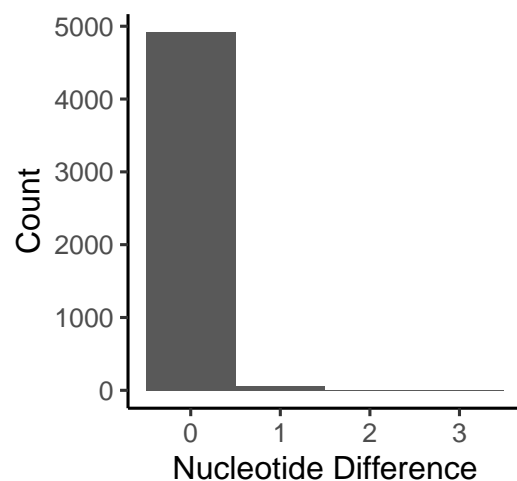
TRBV27*ap01

4897 sequences assigned
4814 (98.3%) exact matches, in which:
4718 unique CDR3
13 unique J



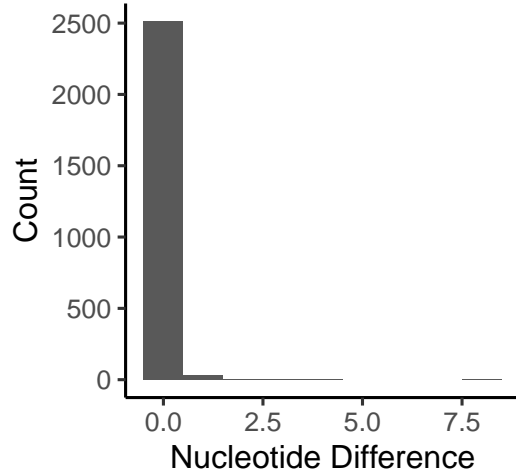
TRBV9*ap01

4990 sequences assigned
4920 (98.6%) exact matches, in which:
4825 unique CDR3
13 unique J



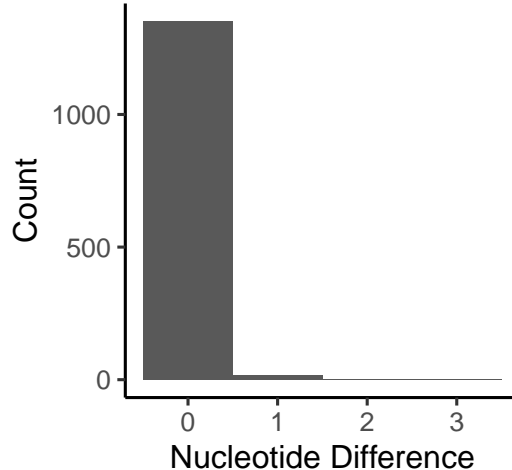
TRBV21-1*ap01

2551 sequences assigned
2512 (98.5%) exact matches, in which:
2471 unique CDR3
13 unique J



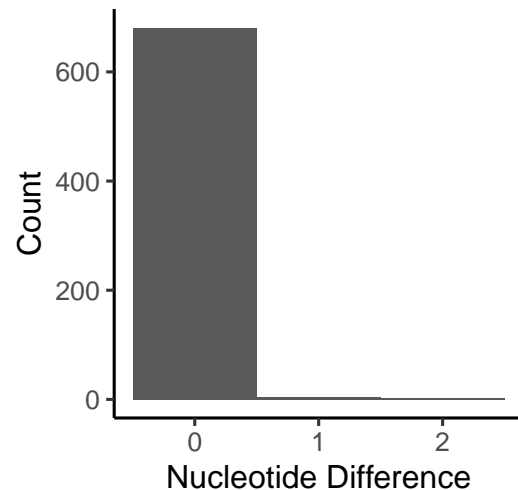
TRBV11-3*ap01

1371 sequences assigned
1351 (98.5%) exact matches, in which:
1334 unique CDR3
13 unique J



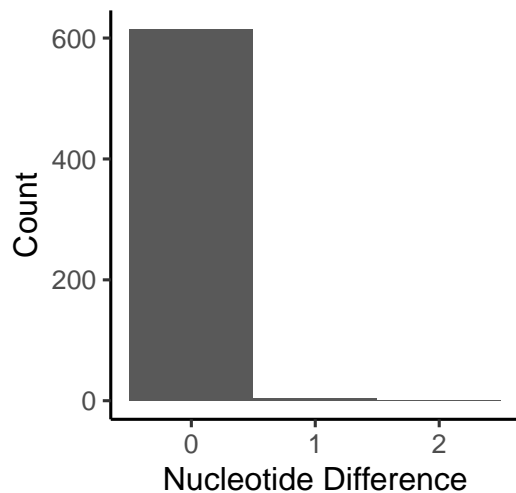
TRBV12-5*ap01

688 sequences assigned
681 (99%) exact matches, in which:
673 unique CDR3
13 unique J



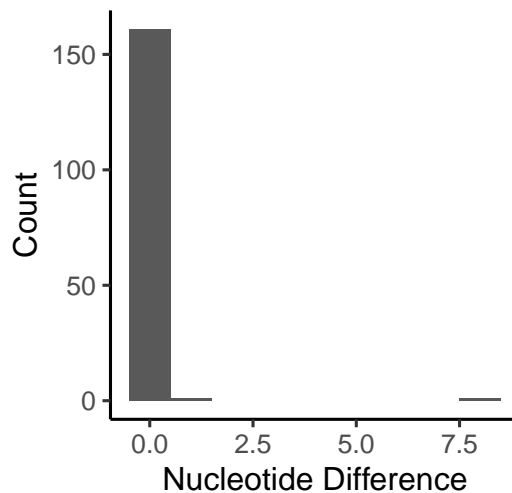
TRBV11-1*ap01

620 sequences assigned
615 (99.2%) exact matches, in which:
604 unique CDR3
13 unique J



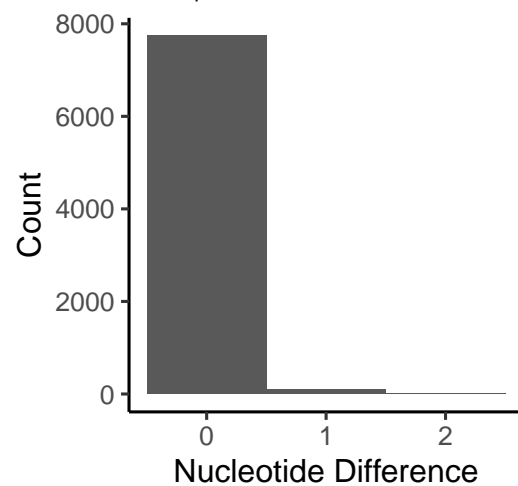
TRBV12-1*ap01

163 sequences assigned
161 (98.8%) exact matches, in which:
157 unique CDR3
13 unique J



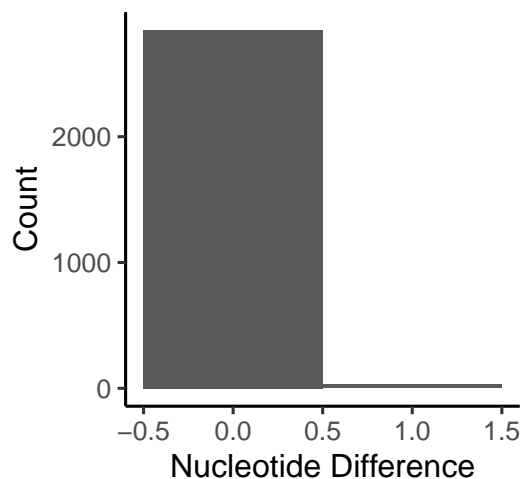
TRBV12-34*ap01

7843 sequences assigned
7742 (98.7%) exact matches, in which:
7578 unique CDR3
13 unique J



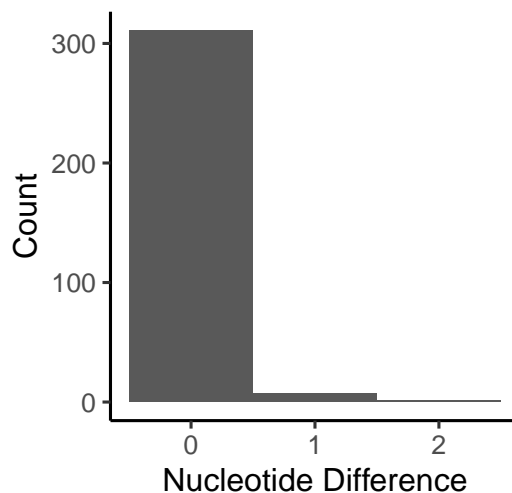
TRBV11-2*ap01

2878 sequences assigned
2848 (99%) exact matches, in which:
2794 unique CDR3
13 unique J



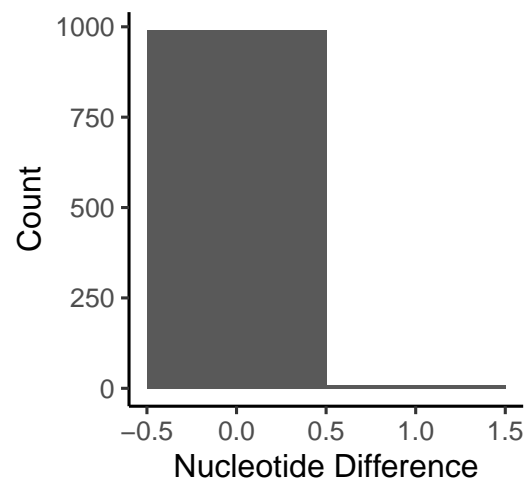
TRBV12-2*ap01

319 sequences assigned
311 (97.5%) exact matches, in which:
305 unique CDR3
13 unique J



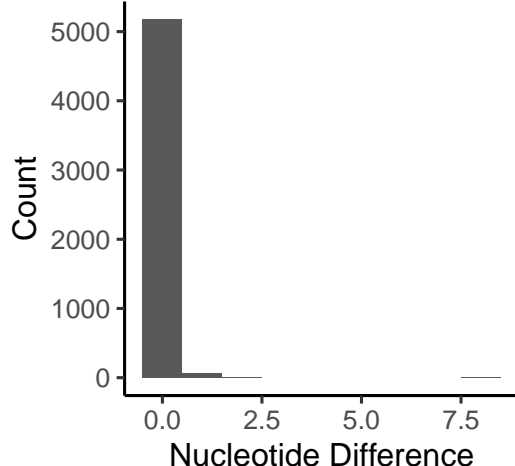
TRBV23-1*ap01

1001 sequences assigned
991 (99%) exact matches, in which:
975 unique CDR3
13 unique J



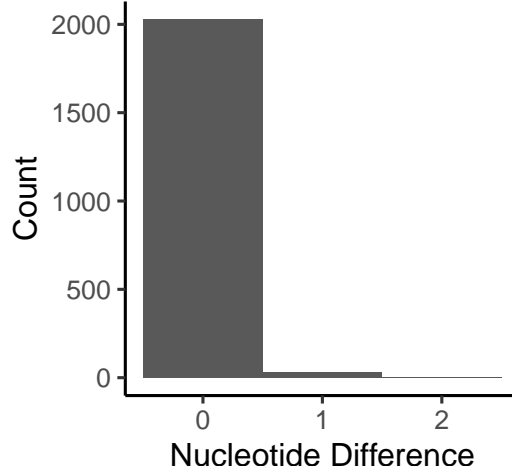
TRBV3-12*ap01

5252 sequences assigned
5176 (98.6%) exact matches, in which:
5082 unique CDR3
13 unique J



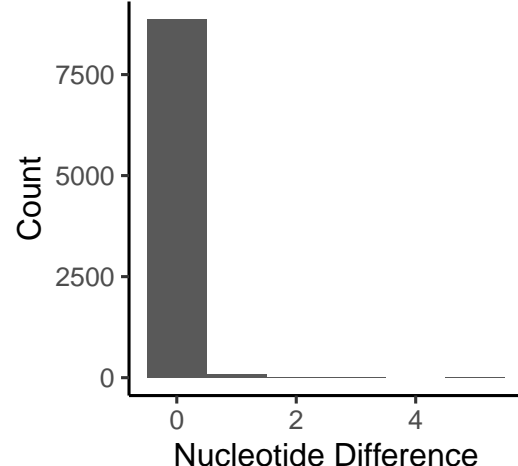
TRBV4-2*ap01

2065 sequences assigned
2028 (98.2%) exact matches, in which:
1997 unique CDR3
13 unique J



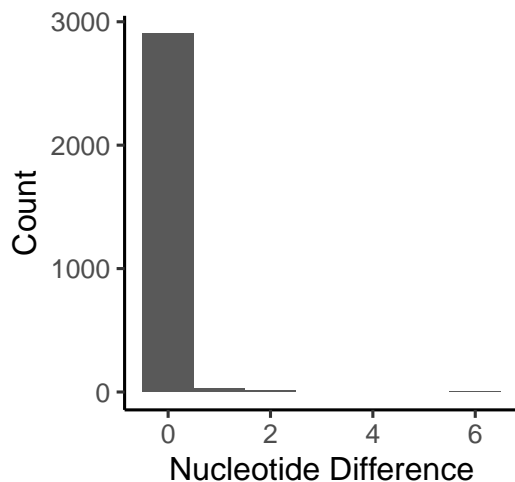
TRBV5-1*ap01

8958 sequences assigned
8865 (99%) exact matches, in which:
8626 unique CDR3
13 unique J



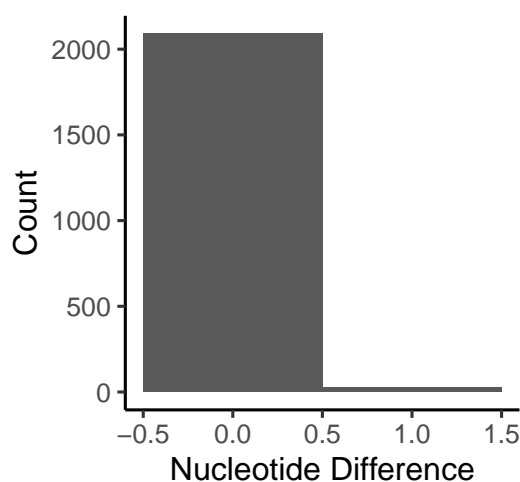
TRBV4-1*ap01

2941 sequences assigned
2903 (98.7%) exact matches, in which:
2855 unique CDR3
13 unique J



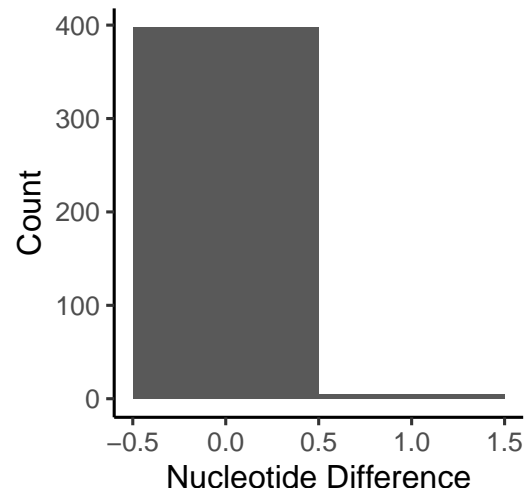
TRBV4-3*ap01

2115 sequences assigned
2090 (98.8%) exact matches, in which:
2062 unique CDR3
13 unique J



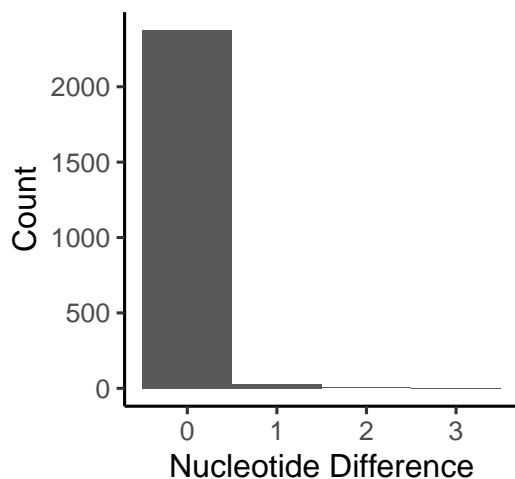
TRBV5-3*ap01

403 sequences assigned
398 (98.8%) exact matches, in which:
392 unique CDR3
13 unique J



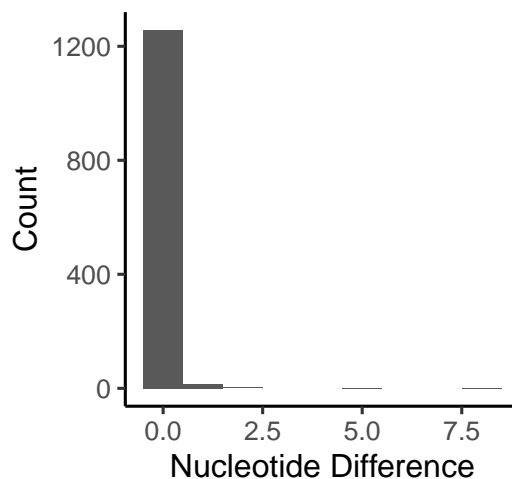
TRBV24-1*ap01

2409 sequences assigned
2376 (98.6%) exact matches, in which:
2339 unique CDR3
13 unique J



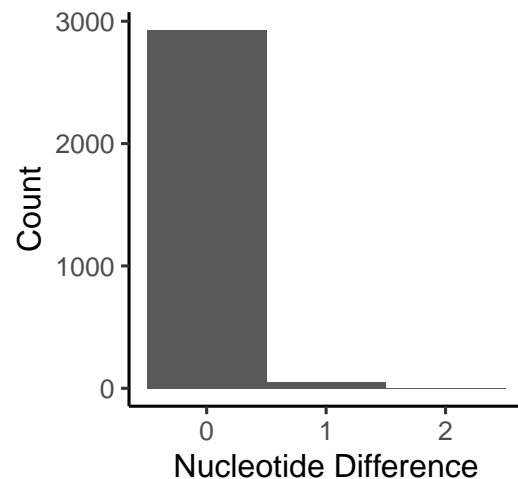
TRBV25-1*ap01

1278 sequences assigned
1257 (98.4%) exact matches, in which:
1237 unique CDR3
13 unique J



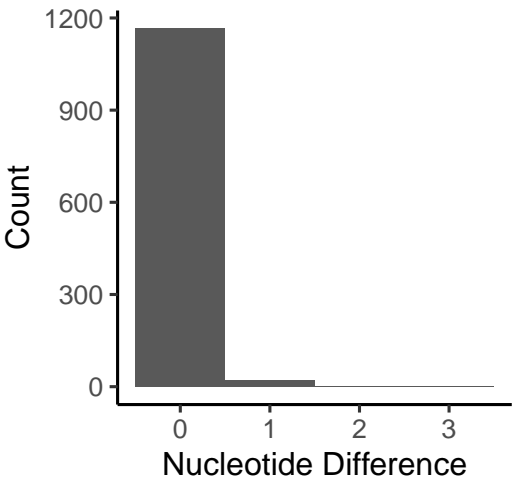
TRBV5-4*ap01

2983 sequences assigned
2928 (98.2%) exact matches, in which:
2867 unique CDR3
13 unique J



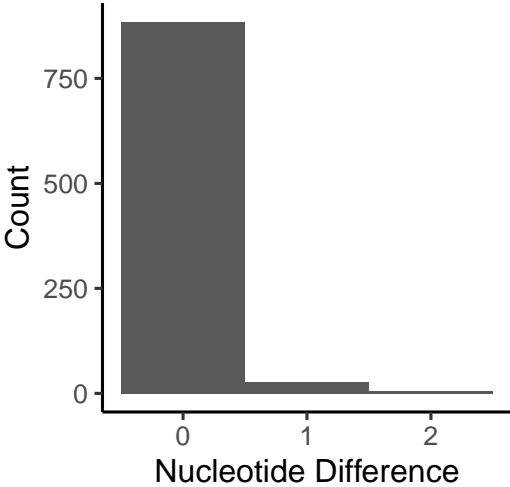
TRBV5-5*ap01

1192 sequences assigned
1166 (97.8%) exact matches, in which:
1149 unique CDR3
13 unique J



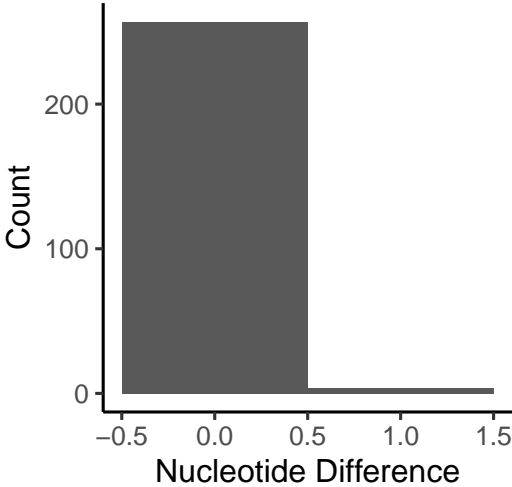
TRBV5-8*ap01

918 sequences assigned
885 (96.4%) exact matches, in which:
869 unique CDR3
13 unique J



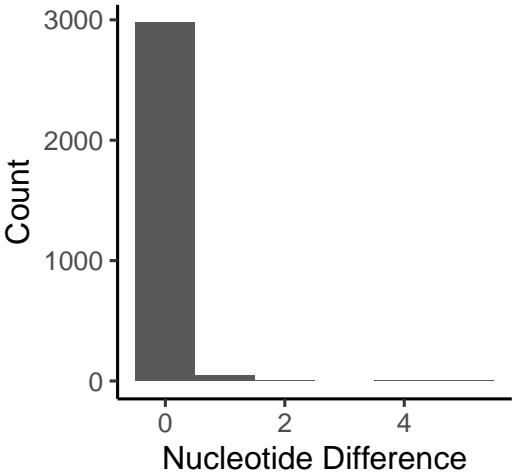
TRBV6-7*ap01

261 sequences assigned
257 (98.5%) exact matches, in which:
254 unique CDR3
13 unique J



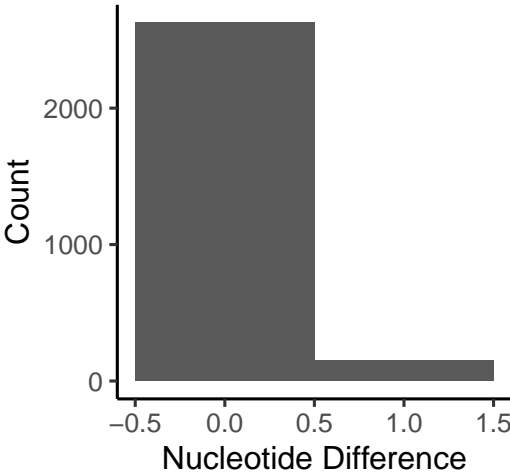
TRBV5-6*ap01

3023 sequences assigned
2976 (98.4%) exact matches, in which:
2922 unique CDR3
13 unique J



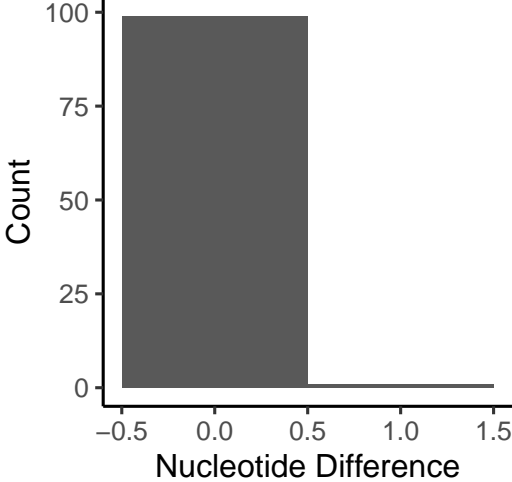
TRBV6-1*ap01

2776 sequences assigned
2626 (94.6%) exact matches, in which:
2573 unique CDR3
13 unique J



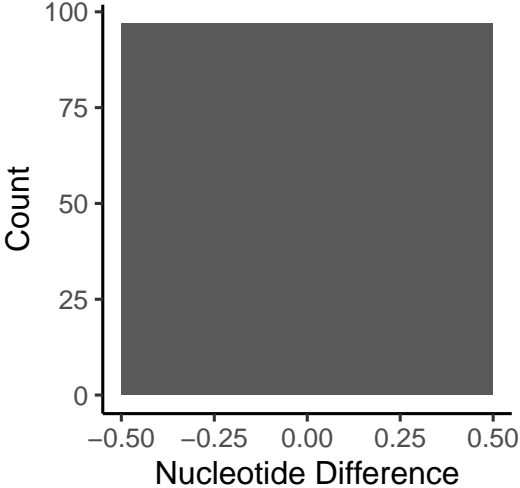
TRBV6-8*ap01

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



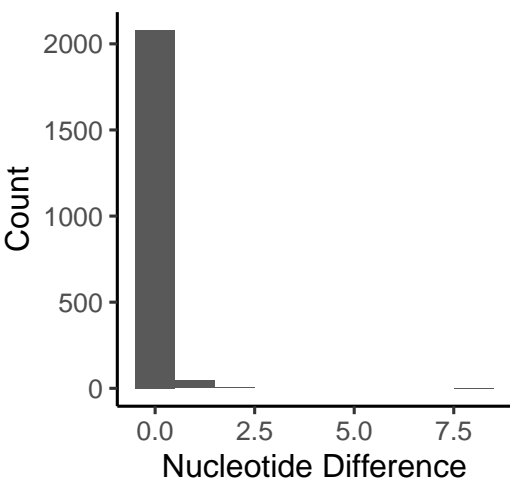
TRBV5-7*ap01

97 sequences assigned
97 (100%) exact matches, in which:
97 unique CDR3
13 unique J



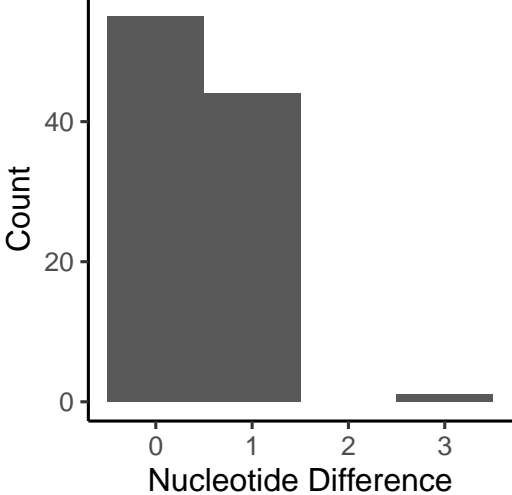
TRBV6-4*ap01

2131 sequences assigned
2080 (97.6%) exact matches, in which:
2038 unique CDR3
13 unique J



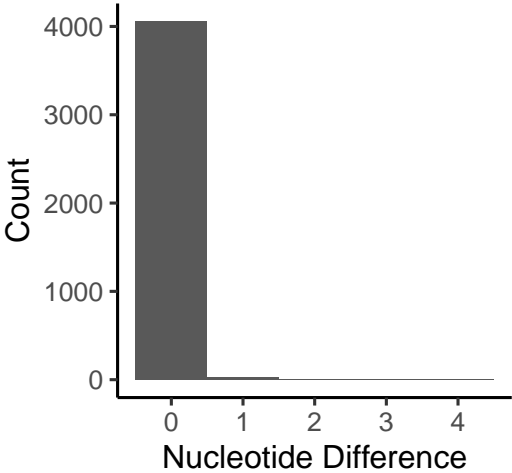
TRBV6-9*ap01

100 sequences assigned
55 (55%) exact matches, in which:
53 unique CDR3
11 unique J



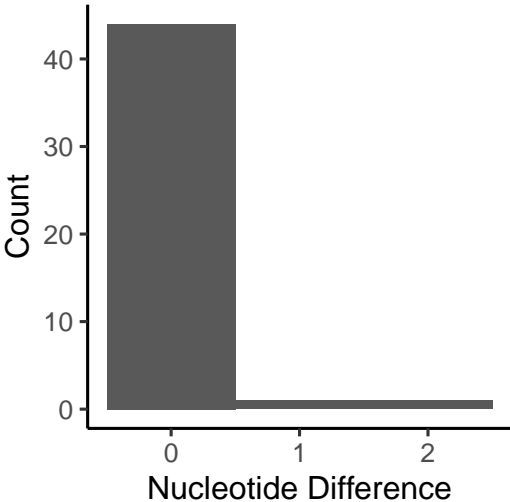
TRBV6-23*ap01

4093 sequences assigned
4057 (99.1%) exact matches, in which:
3989 unique CDR3
13 unique J



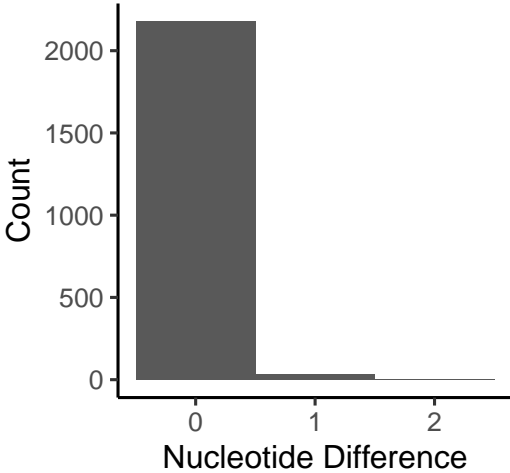
TRBV7-1*ap01_G291C_T

46 sequences assigned
44 (95.7%) exact matches, in which:
44 unique CDR3
11 unique J



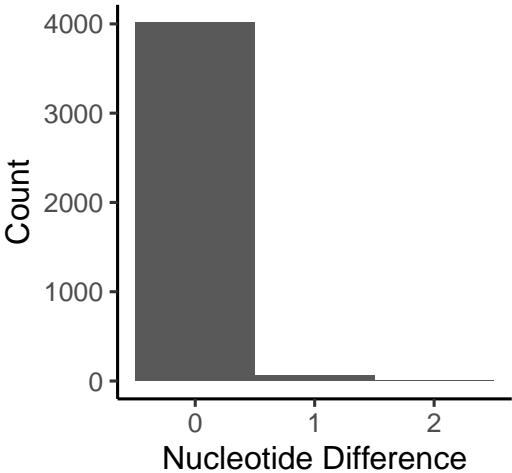
TRBV7-3*ap01

2212 sequences assigned
2178 (98.5%) exact matches, in which:
2136 unique CDR3
13 unique J



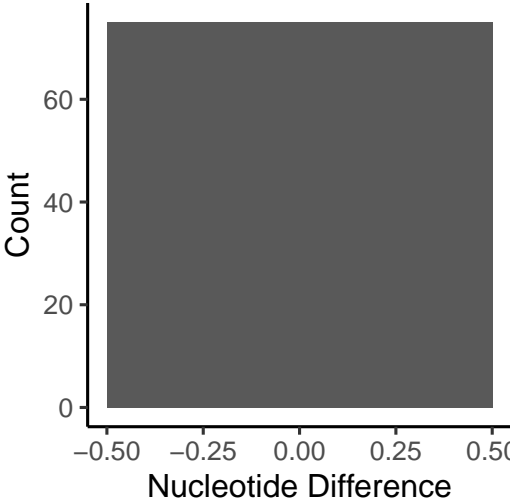
TRBV6-56*ap01

4078 sequences assigned
4013 (98.4%) exact matches, in which:
3948 unique CDR3
13 unique J



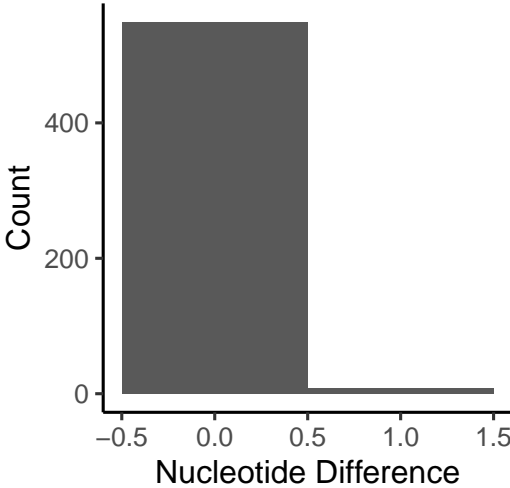
TRBV7-1*ap01_G291C_T

75 sequences assigned
75 (100%) exact matches, in which:
75 unique CDR3
13 unique J



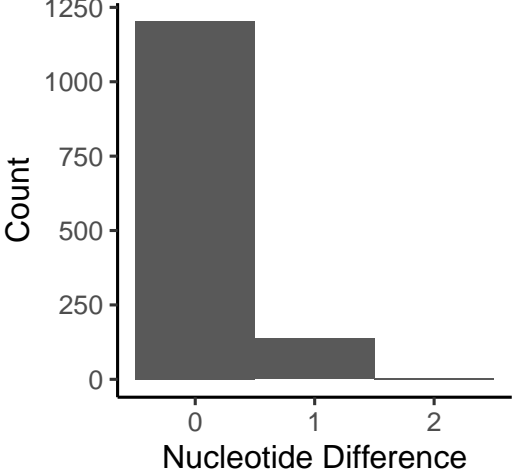
TRBV7-3*ap03

557 sequences assigned
549 (98.6%) exact matches, in which:
544 unique CDR3
13 unique J



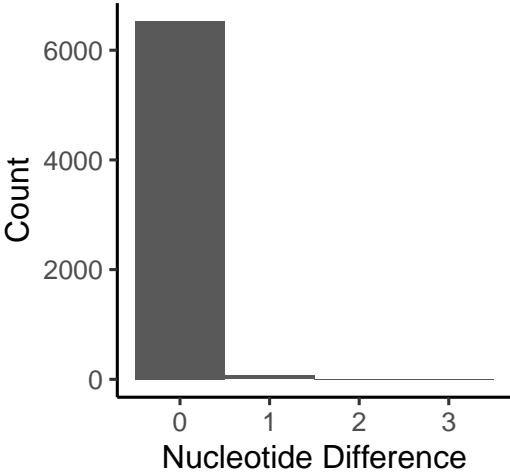
TRBV6-56*ap02

1346 sequences assigned
1204 (89.5%) exact matches, in which:
1185 unique CDR3
13 unique J



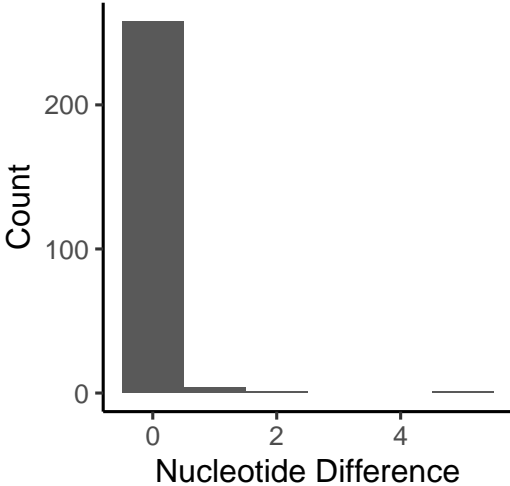
TRBV7-2*ap01

6608 sequences assigned
6532 (98.8%) exact matches, in which:
6419 unique CDR3
13 unique J



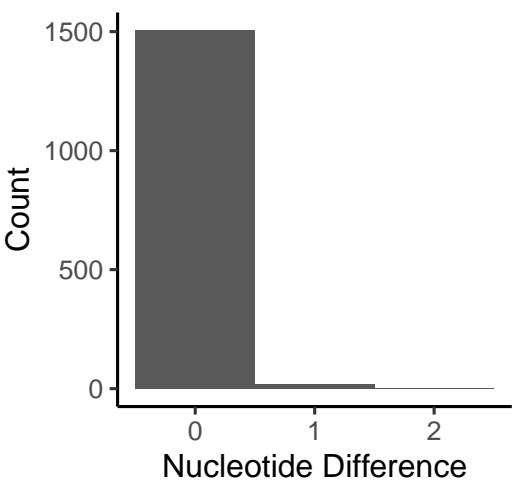
TRBV7-4*ap01

264 sequences assigned
258 (97.7%) exact matches, in which:
251 unique CDR3
13 unique J



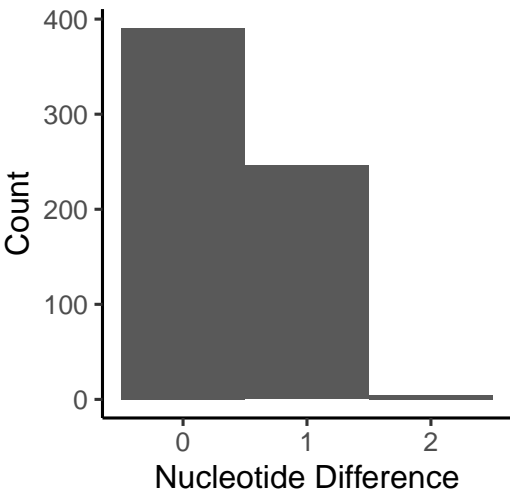
TRBV7-6*ap01

1529 sequences assigned
1505 (98.4%) exact matches, in which:
1470 unique CDR3
13 unique J



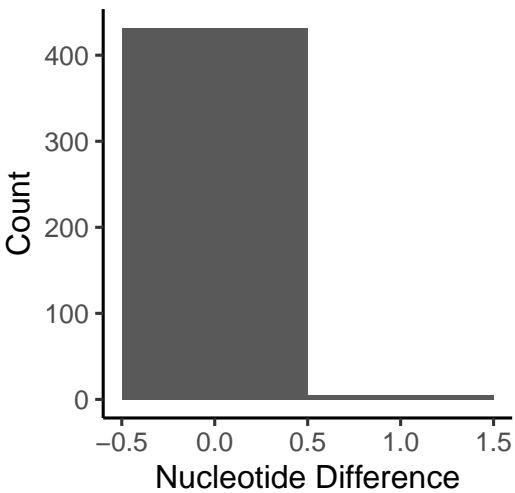
TRBV7-8*ap03

642 sequences assigned
391 (60.9%) exact matches, in which:
383 unique CDR3
13 unique J



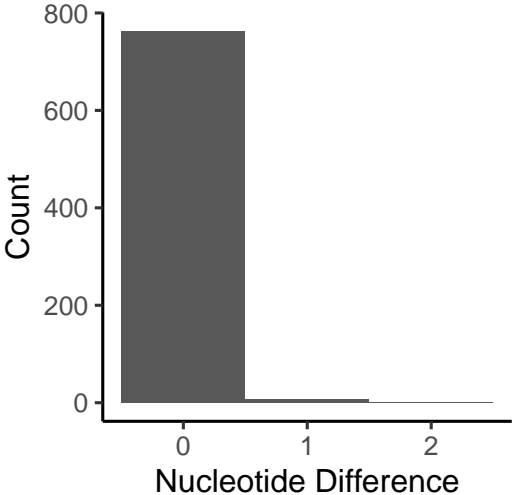
TRBV29-1*ap02

437 sequences assigned
432 (98.9%) exact matches, in which:
427 unique CDR3
13 unique J



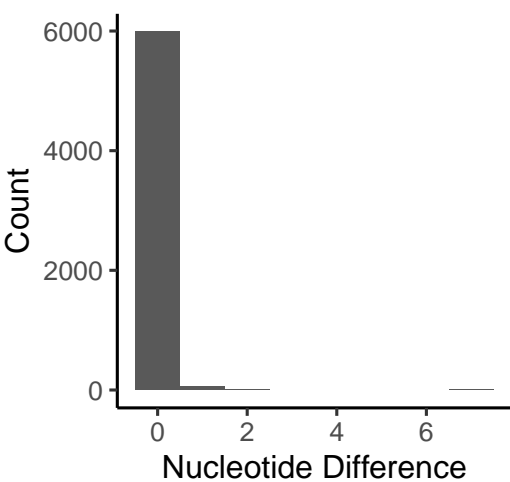
TRBV7-7*ap01

772 sequences assigned
763 (98.8%) exact matches, in which:
746 unique CDR3
13 unique J



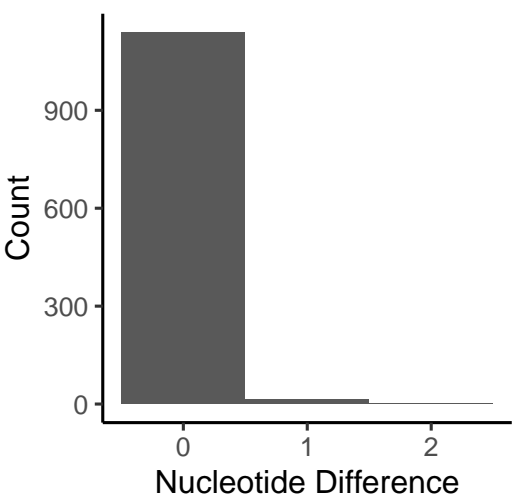
TRBV7-9*ap01

6058 sequences assigned
5988 (98.8%) exact matches, in which:
5899 unique CDR3
13 unique J



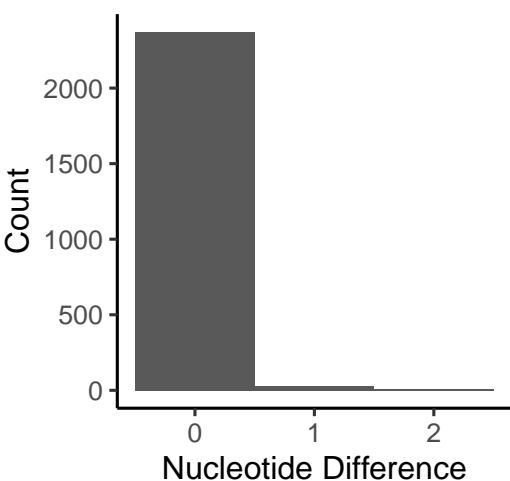
TRBV7-8*ap01

1154 sequences assigned
1139 (98.7%) exact matches, in which:
1109 unique CDR3
13 unique J

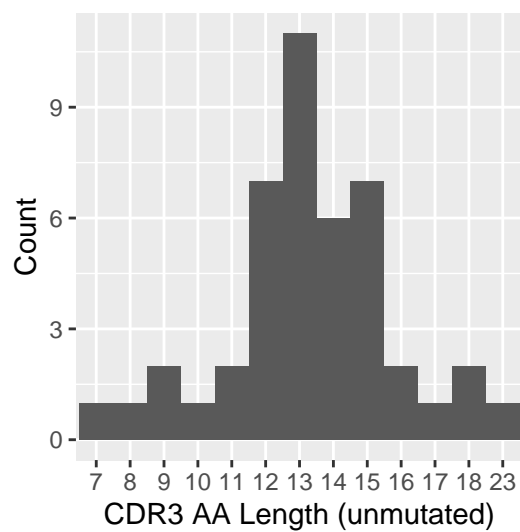


TRBV29-1*ap01

2406 sequences assigned
2371 (98.5%) exact matches, in which:
2331 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T

