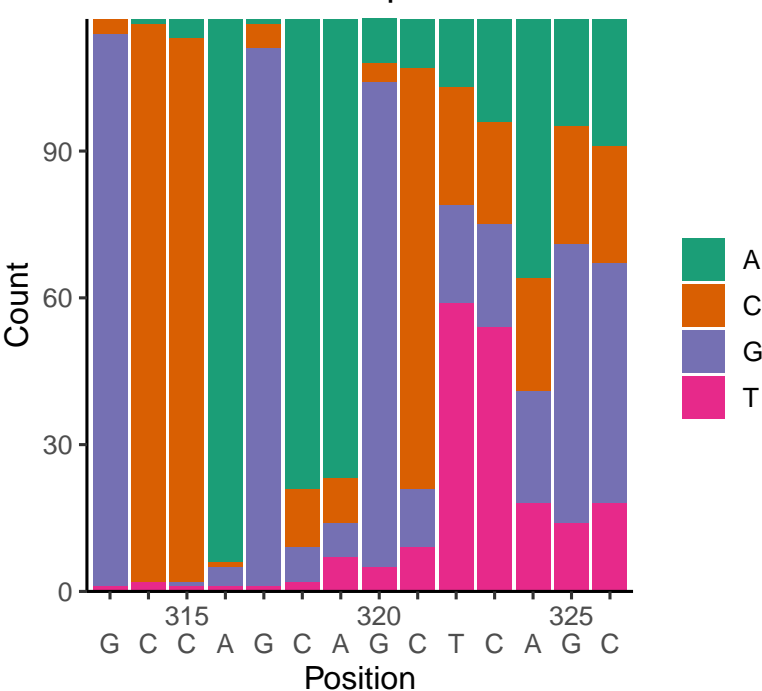


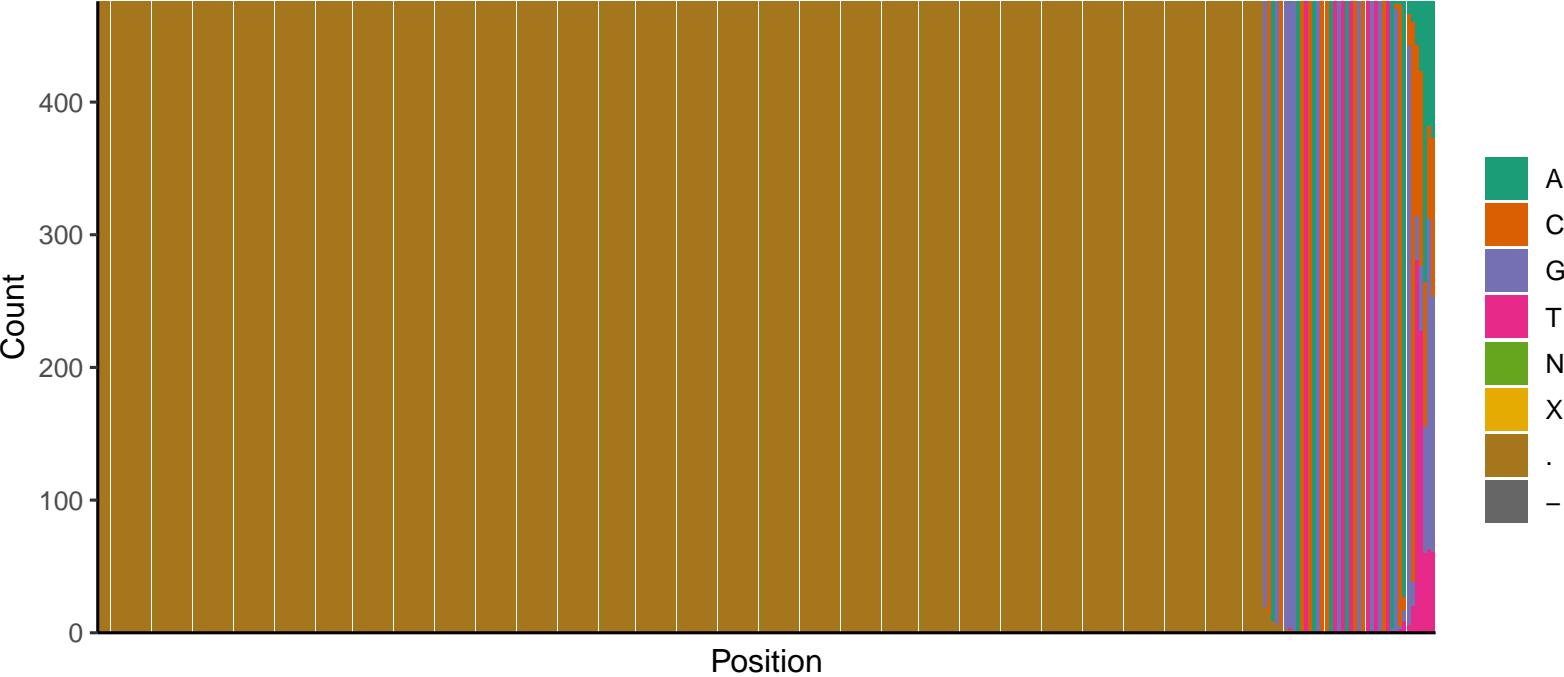
Gene TRBV7-1*ap01_G291C_T296C



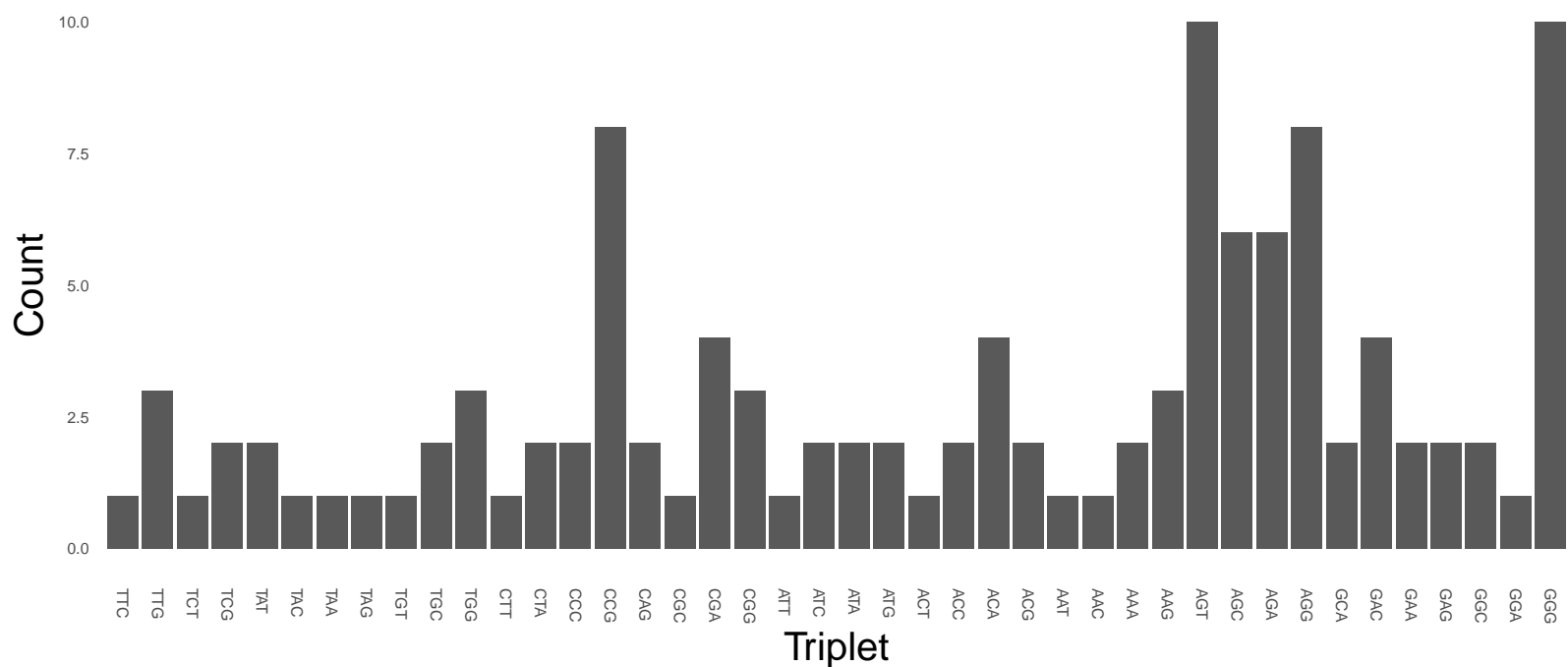
Gene TRBV7-1*ap01_G291C_T296C



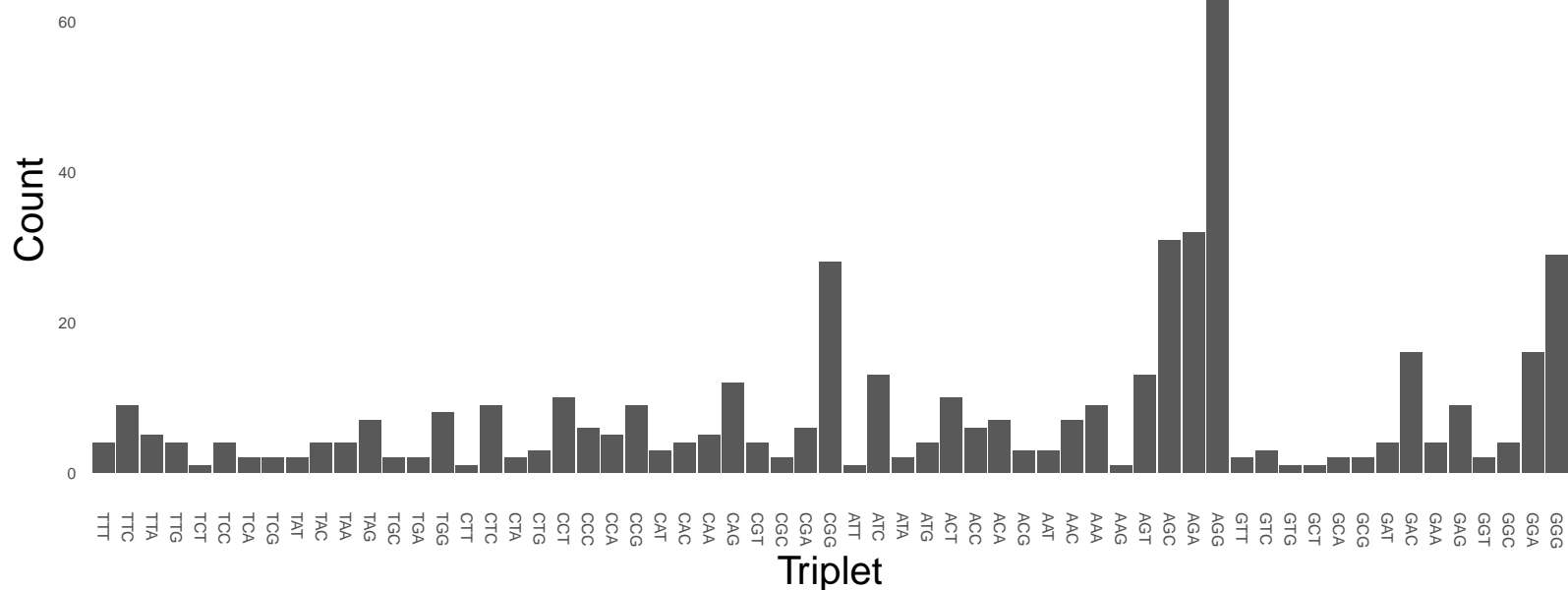
Gene TRBV7-7*ap01_C315T



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

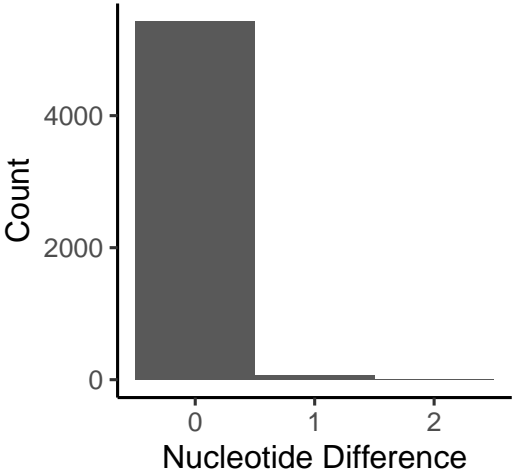


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



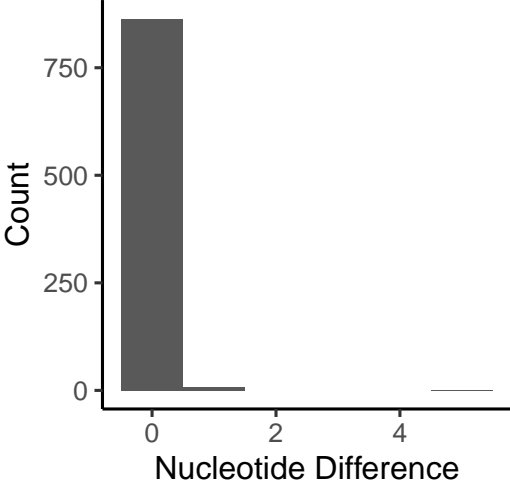
TRBV20-1*ap01

5496 sequences assigned
5428 (98.8%) exact matches, in which:
5376 unique CDR3
13 unique J



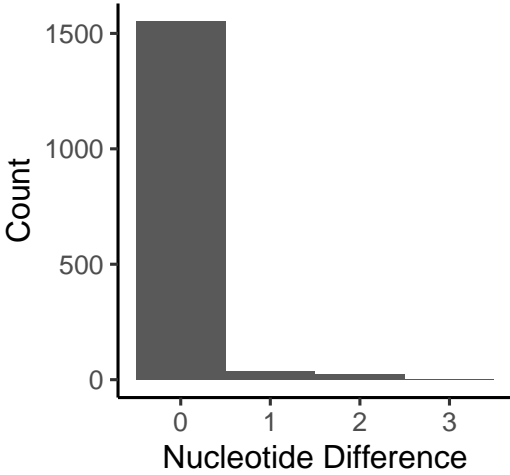
TRBV10-2*ap01

873 sequences assigned
864 (99%) exact matches, in which:
857 unique CDR3
13 unique J



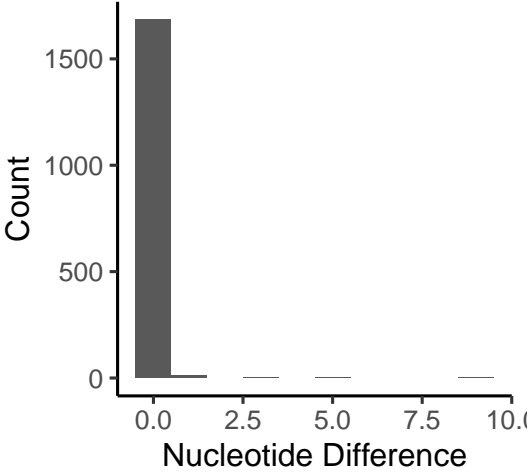
TRBV13*ap01

1614 sequences assigned
1552 (96.2%) exact matches, in which:
1536 unique CDR3
13 unique J



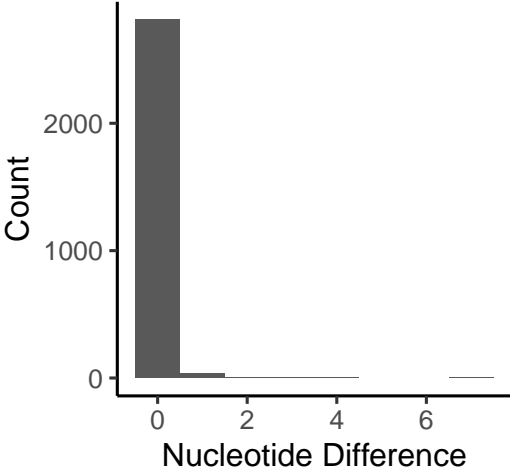
TRBV10-1*ap01

1701 sequences assigned
1684 (99%) exact matches, in which:
1671 unique CDR3
13 unique J



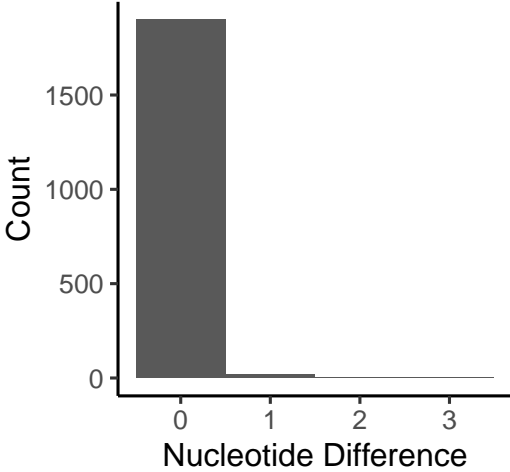
TRBV10-3*ap01

2860 sequences assigned
2813 (98.4%) exact matches, in which:
2770 unique CDR3
13 unique J



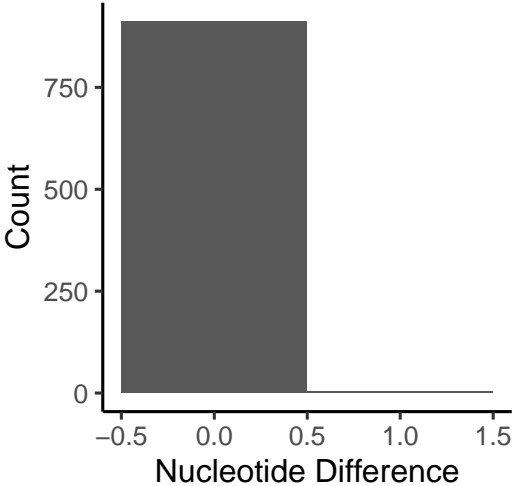
TRBV14*ap01

1918 sequences assigned
1899 (99%) exact matches, in which:
1888 unique CDR3
13 unique J



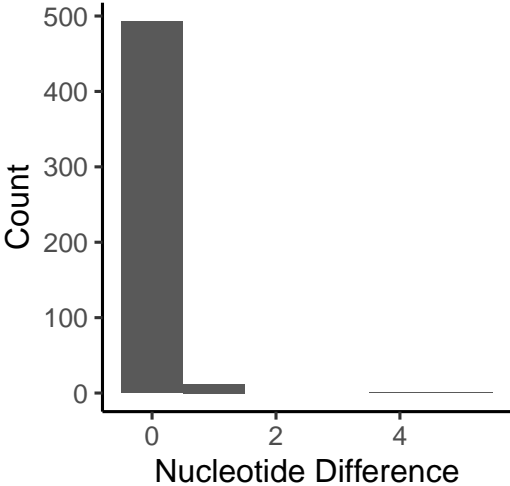
TRBV20-1*ap02

916 sequences assigned
912 (99.6%) exact matches, in which:
907 unique CDR3
13 unique J



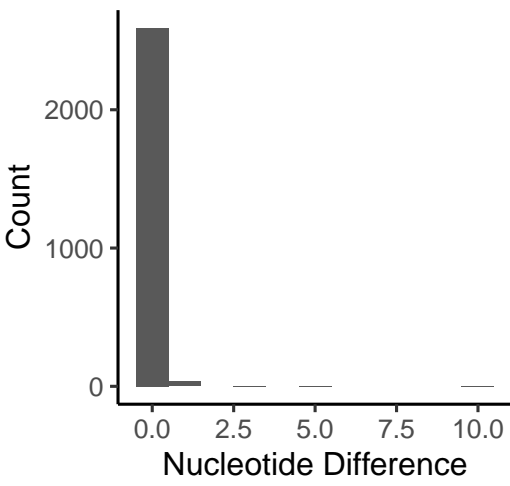
TRBV1*ap01

507 sequences assigned
493 (97.2%) exact matches, in which:
483 unique CDR3
13 unique J



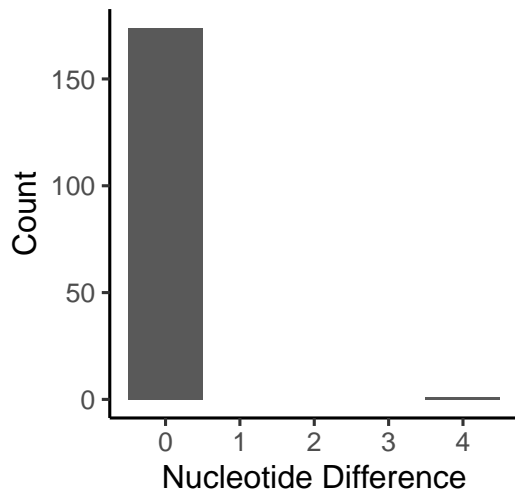
TRBV15*ap02

2630 sequences assigned
2591 (98.5%) exact matches, in which:
2562 unique CDR3
13 unique J



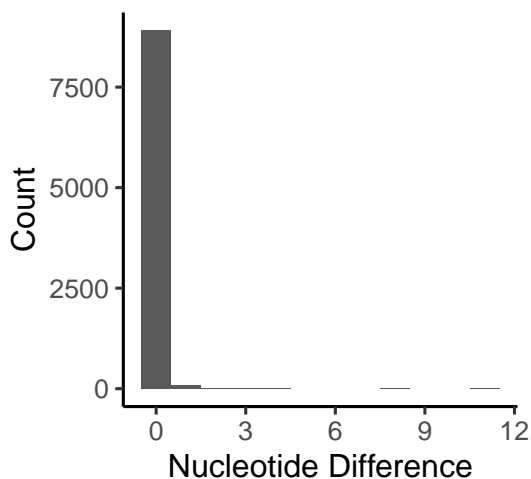
TRBV16*ap01

175 sequences assigned
174 (99.4%) exact matches, in which:
171 unique CDR3
13 unique J



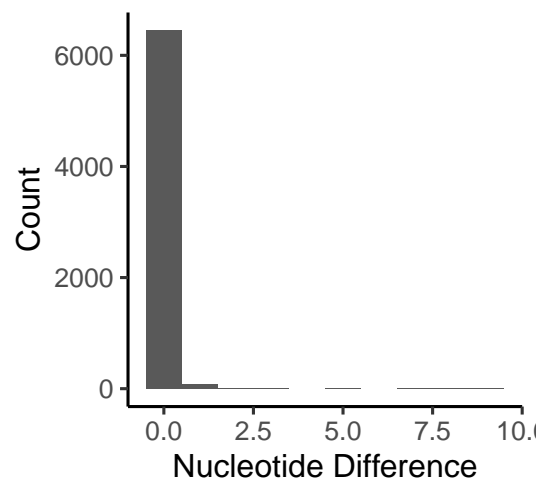
TRBV19*ap01

8997 sequences assigned
8910 (99%) exact matches, in which:
8865 unique CDR3
13 unique J



TRBV27*ap01

6552 sequences assigned
6449 (98.4%) exact matches, in which:
6397 unique CDR3
13 unique J



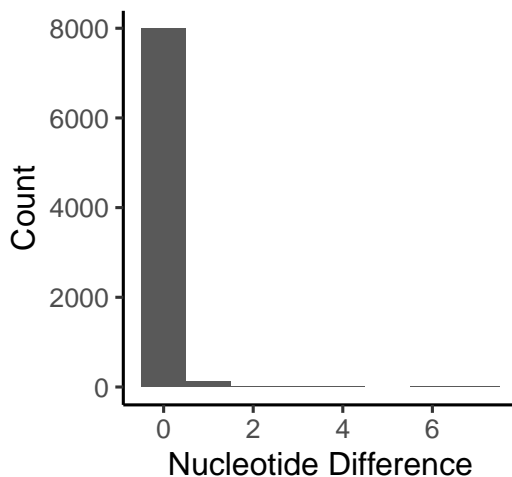
TRBV17*ap01

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



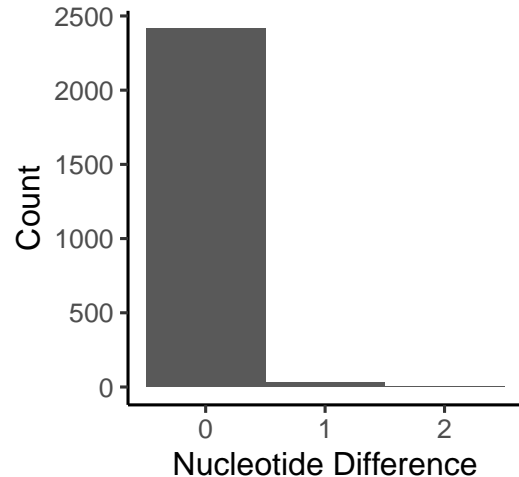
TRBV2*ap01

8116 sequences assigned
7989 (98.4%) exact matches, in which:
7898 unique CDR3
13 unique J



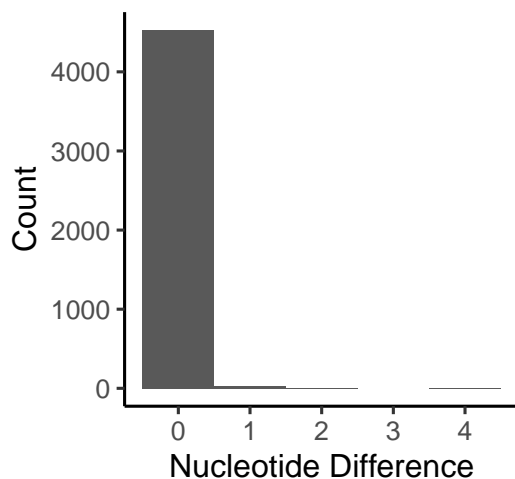
TRBV28*ap01

2444 sequences assigned
2414 (98.8%) exact matches, in which:
2398 unique CDR3
13 unique J



TRBV18*ap01

4558 sequences assigned
4528 (99.3%) exact matches, in which:
4502 unique CDR3
13 unique J



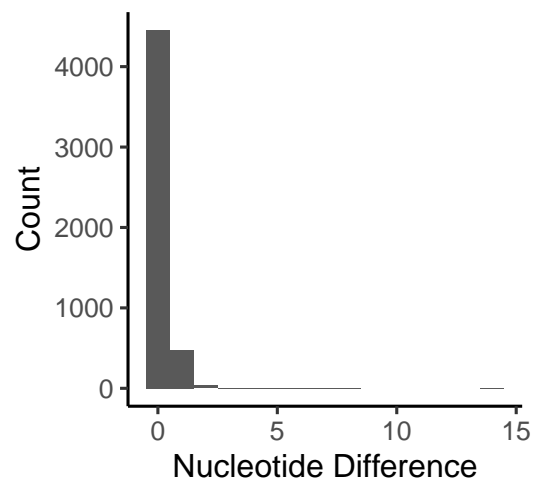
TRBV26*ap01

1 sequences assigned
No exact matches.



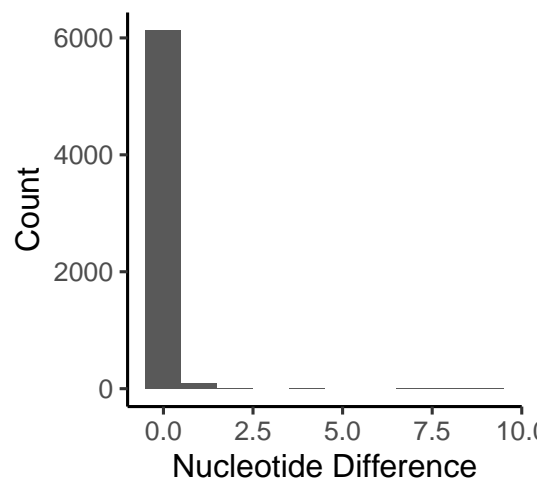
TRBV30*ap01

4978 sequences assigned
4455 (89.5%) exact matches, in which:
4348 unique CDR3
13 unique J



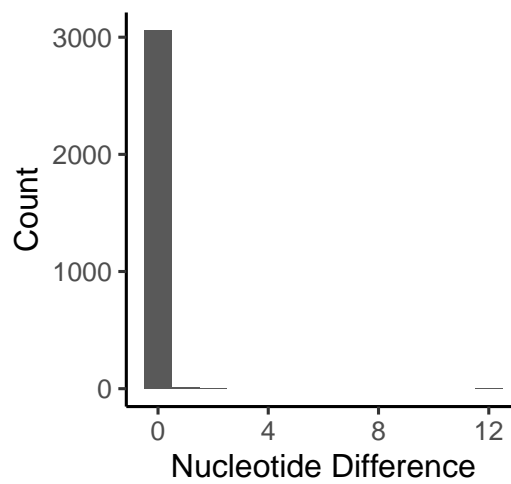
TRBV9*ap01

6232 sequences assigned
6128 (98.3%) exact matches, in which:
6083 unique CDR3
13 unique J



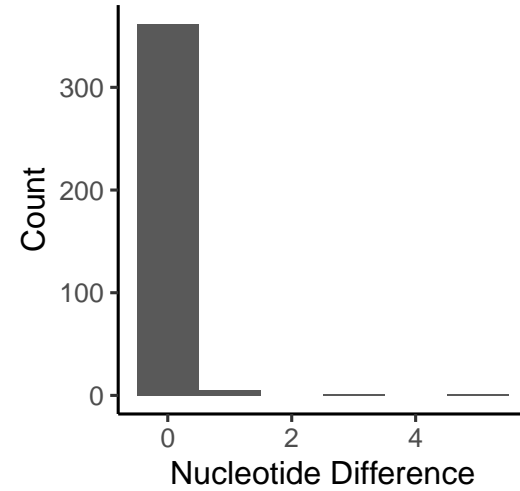
TRBV11-2*ap01

3071 sequences assigned
3058 (99.6%) exact matches, in which:
3049 unique CDR3
13 unique J



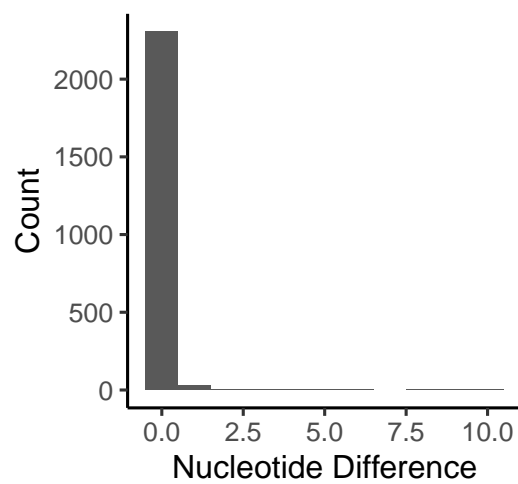
TRBV12-2*ap01

369 sequences assigned
362 (98.1%) exact matches, in which:
362 unique CDR3
13 unique J



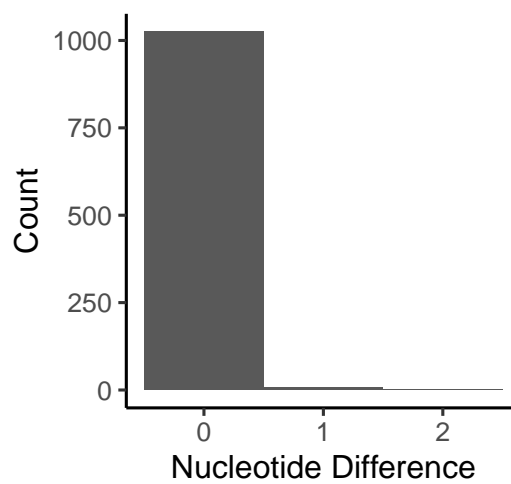
TRBV21-1*ap01

2355 sequences assigned
2305 (97.9%) exact matches, in which:
2295 unique CDR3
14 unique J



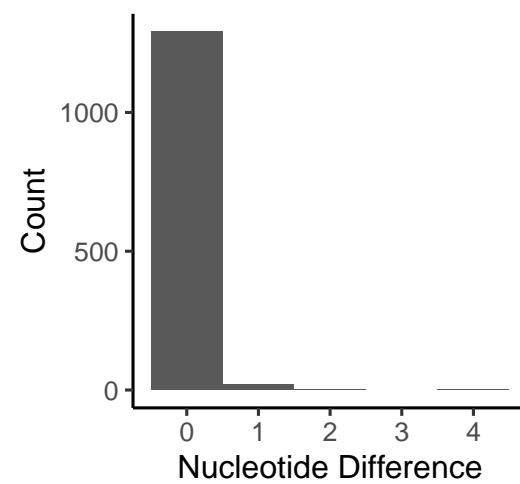
TRBV11-3*ap01

1033 sequences assigned
1025 (99.2%) exact matches, in which:
1021 unique CDR3
13 unique J



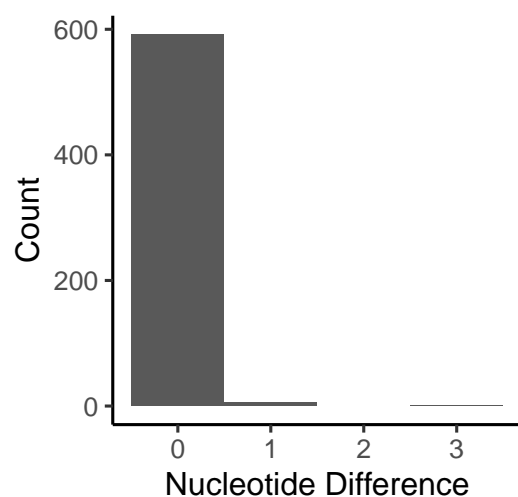
TRBV12-5*ap01

1312 sequences assigned
1291 (98.4%) exact matches, in which:
1283 unique CDR3
13 unique J



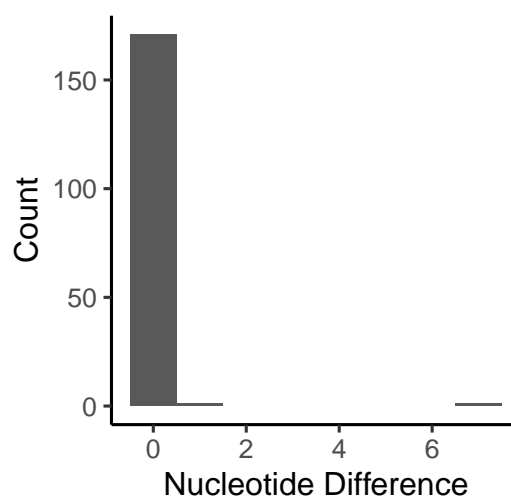
TRBV11-1*ap01

598 sequences assigned
592 (99%) exact matches, in which:
591 unique CDR3
13 unique J



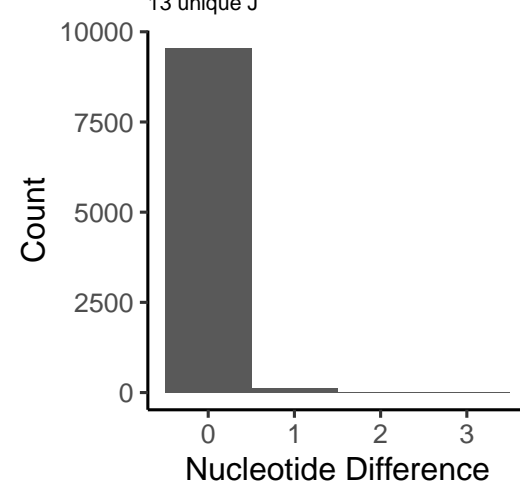
TRBV12-1*ap01

173 sequences assigned
171 (98.8%) exact matches, in which:
171 unique CDR3
13 unique J



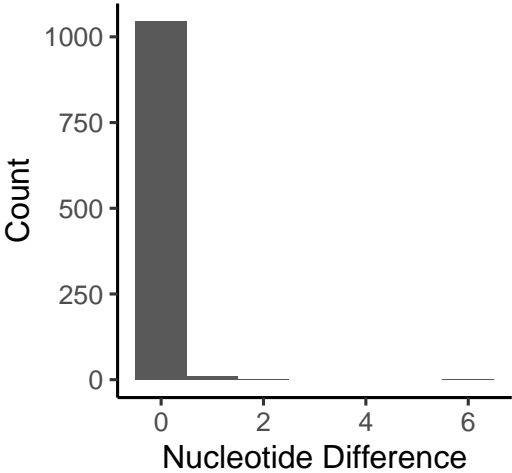
TRBV12-34*ap01

9676 sequences assigned
9556 (98.8%) exact matches, in which:
9434 unique CDR3
13 unique J



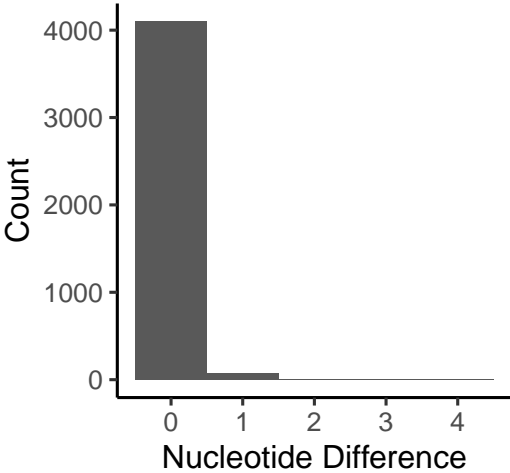
TRBV23-1*ap01

1058 sequences assigned
1045 (98.8%) exact matches, in which:
1037 unique CDR3
13 unique J



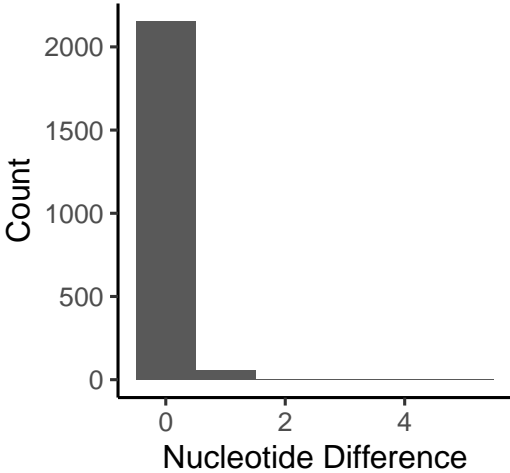
TRBV24-1*ap01

4184 sequences assigned
4100 (98%) exact matches, in which:
4035 unique CDR3
14 unique J



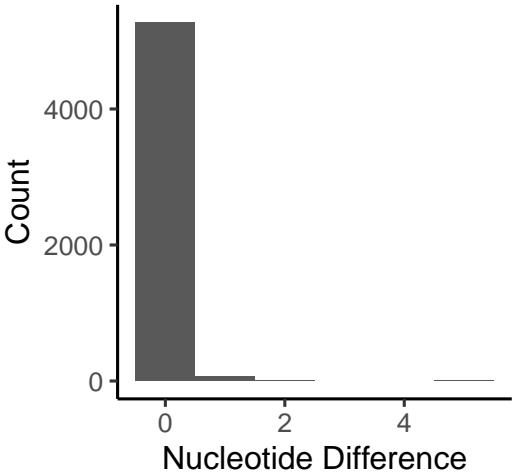
TRBV25-1*ap01

2220 sequences assigned
2153 (97%) exact matches, in which:
2111 unique CDR3
13 unique J



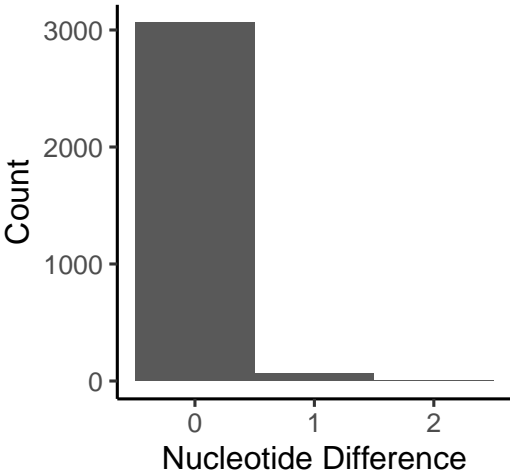
TRBV3-12*ap01

5339 sequences assigned
5268 (98.7%) exact matches, in which:
5232 unique CDR3
13 unique J



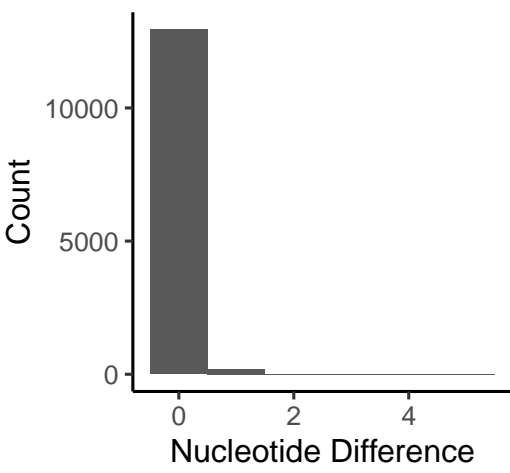
TRBV4-2*ap01

3130 sequences assigned
3062 (97.8%) exact matches, in which:
3025 unique CDR3
13 unique J



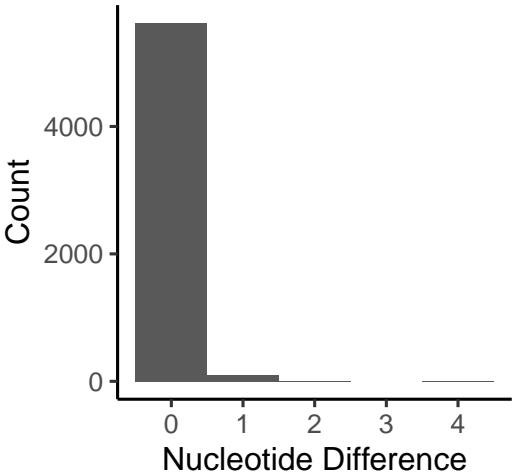
TRBV5-1*ap01

13161 sequences assigned
12946 (98.4%) exact matches, in which:
12788 unique CDR3
13 unique J



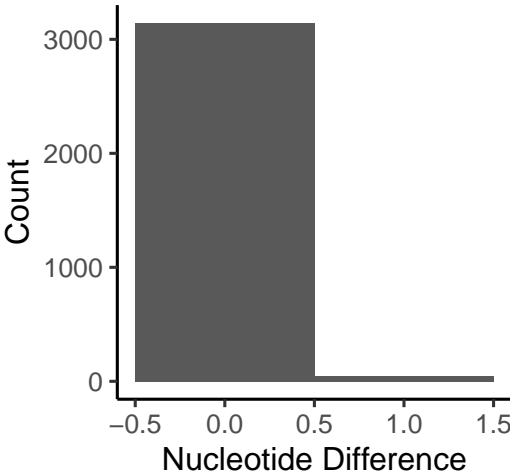
TRBV4-1*ap01

5736 sequences assigned
5623 (98%) exact matches, in which:
5548 unique CDR3
13 unique J



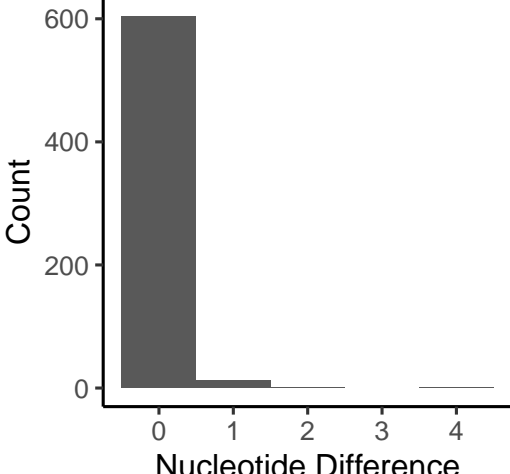
TRBV4-3*ap01

3190 sequences assigned
3143 (98.5%) exact matches, in which:
3104 unique CDR3
13 unique J



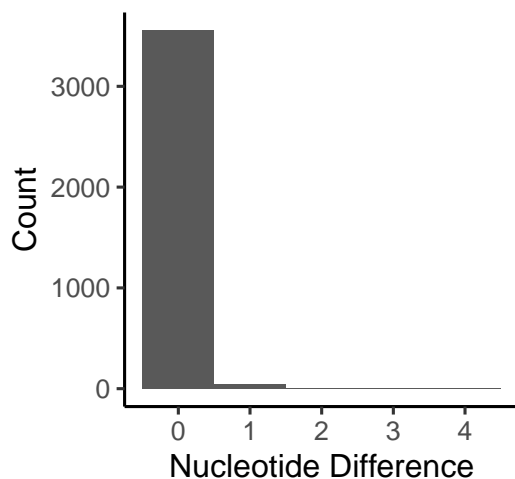
TRBV5-3*ap01

619 sequences assigned
604 (97.6%) exact matches, in which:
597 unique CDR3
13 unique J



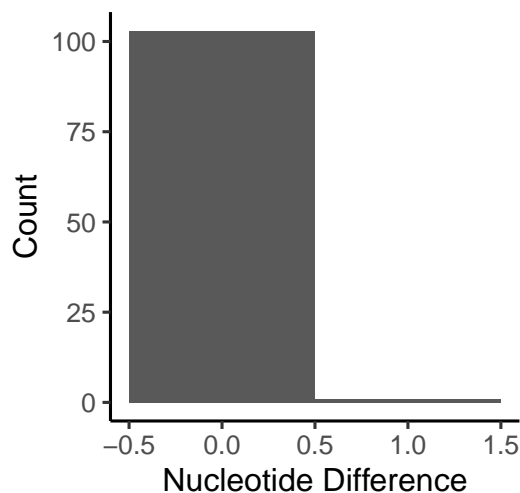
TRBV5-4*ap01

3605 sequences assigned
3555 (98.6%) exact matches, in which:
3522 unique CDR3
13 unique J



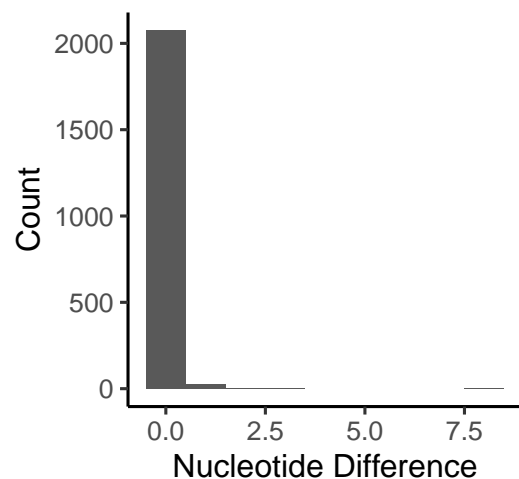
TRBV5-7*ap01

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



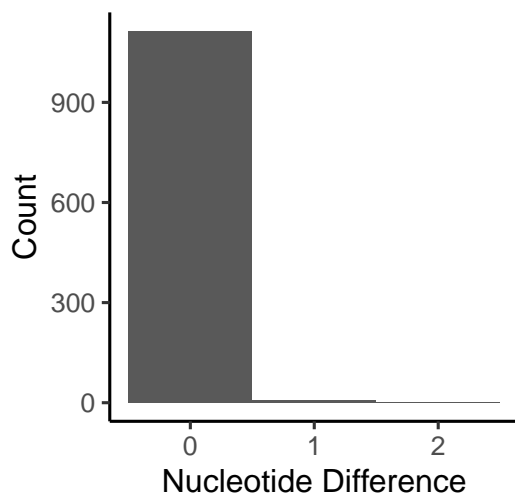
TRBV6-4*ap01

2107 sequences assigned
2075 (98.5%) exact matches, in which:
2057 unique CDR3
13 unique J



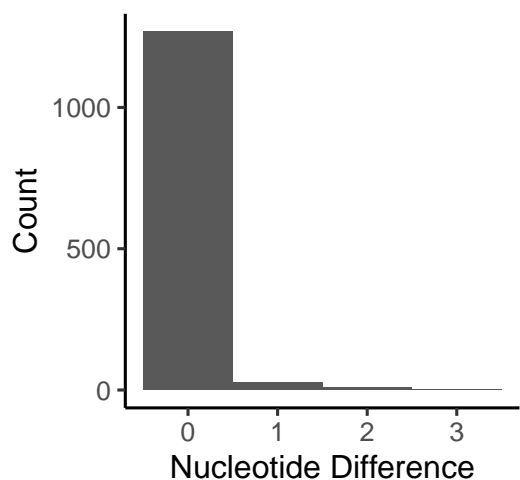
TRBV5-5*ap01

1122 sequences assigned
1114 (99.3%) exact matches, in which:
1110 unique CDR3
13 unique J



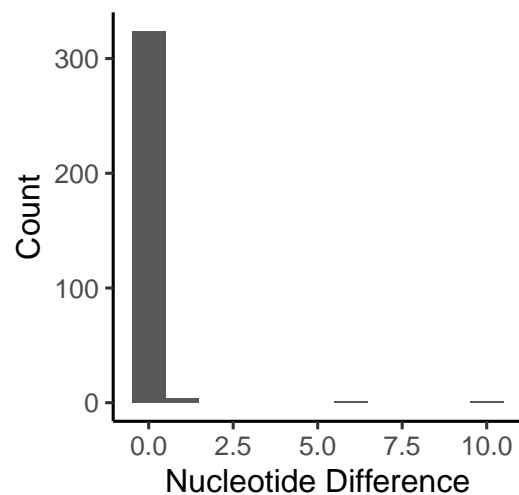
TRBV5-8*ap01

1302 sequences assigned
1268 (97.4%) exact matches, in which:
1252 unique CDR3
13 unique J



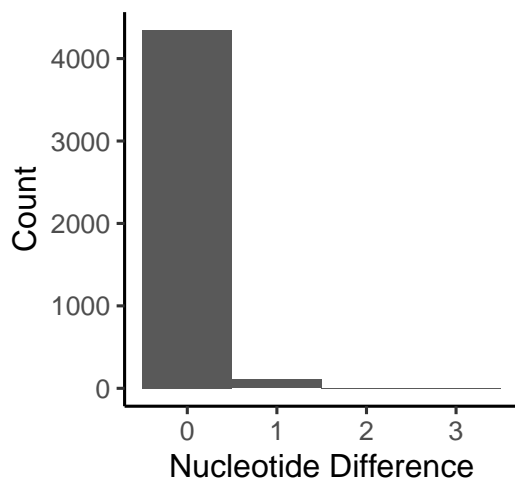
TRBV6-7*ap01

330 sequences assigned
324 (98.2%) exact matches, in which:
319 unique CDR3
13 unique J



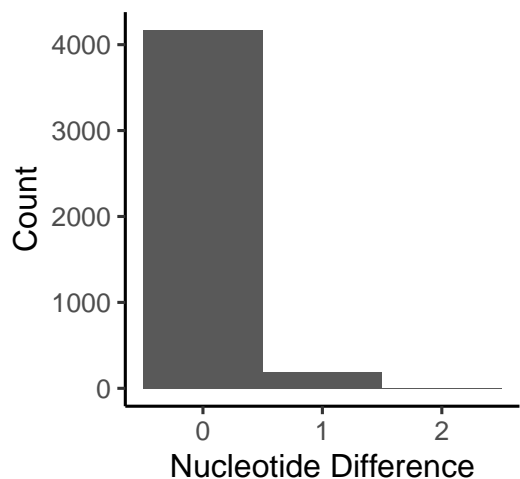
TRBV5-6*ap01

4456 sequences assigned
4346 (97.5%) exact matches, in which:
4271 unique CDR3
13 unique J



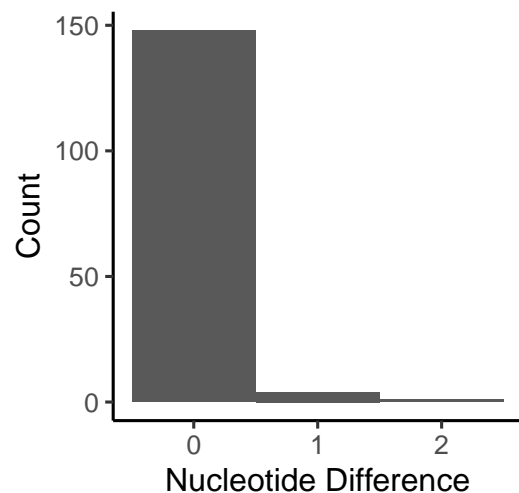
TRBV6-1*ap01

4365 sequences assigned
4170 (95.5%) exact matches, in which:
4111 unique CDR3
13 unique J



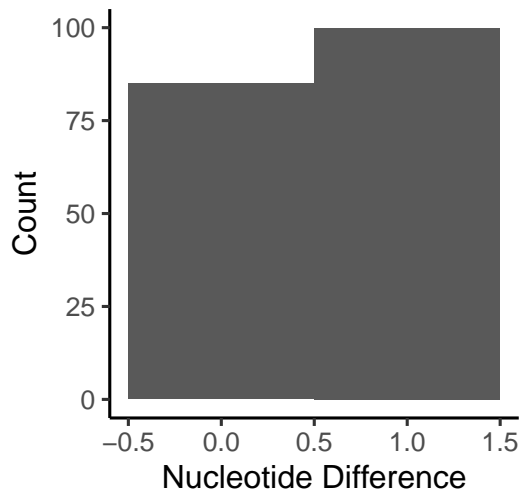
TRBV6-8*ap01

153 sequences assigned
148 (96.7%) exact matches, in which:
147 unique CDR3
13 unique J



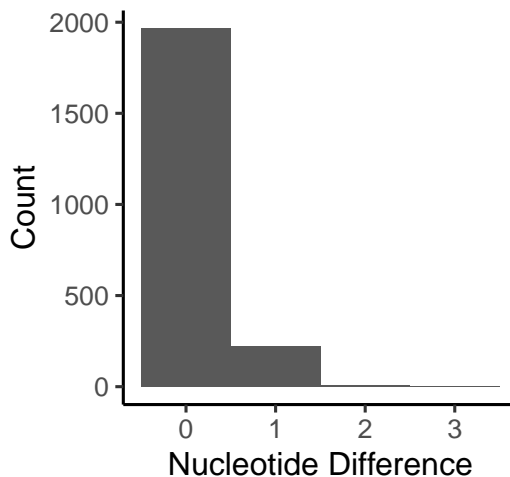
TRBV6-9*ap01

185 sequences assigned
85 (45.9%) exact matches, in which:
84 unique CDR3
13 unique J



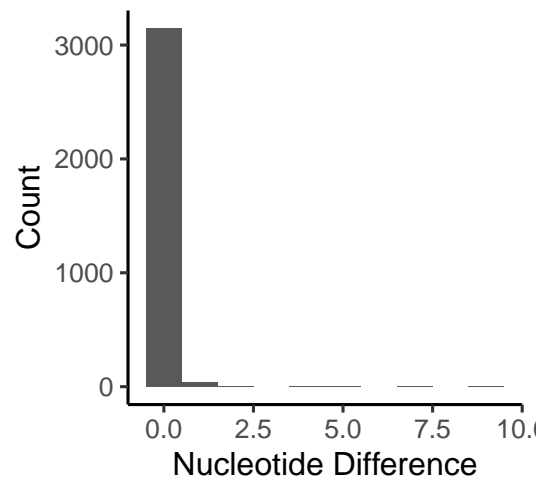
TRBV6-56*ap02

2196 sequences assigned
1966 (89.5%) exact matches, in which:
1930 unique CDR3
13 unique J



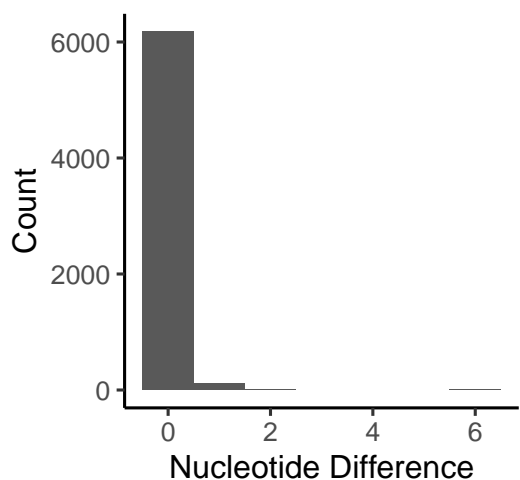
TRBV7-3*ap01

3192 sequences assigned
3146 (98.6%) exact matches, in which:
3128 unique CDR3
13 unique J



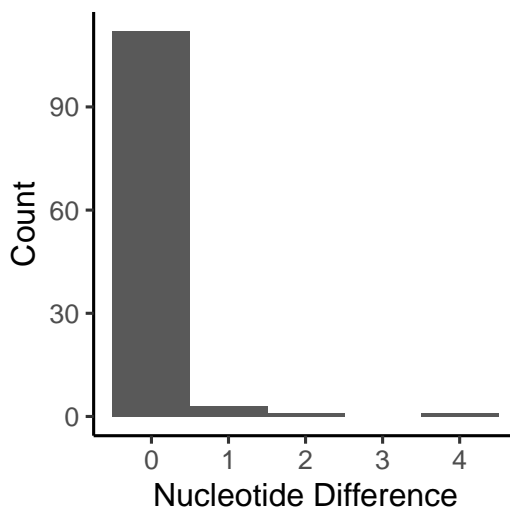
TRBV6-23*ap01

6300 sequences assigned
6177 (98%) exact matches, in which:
6065 unique CDR3
13 unique J



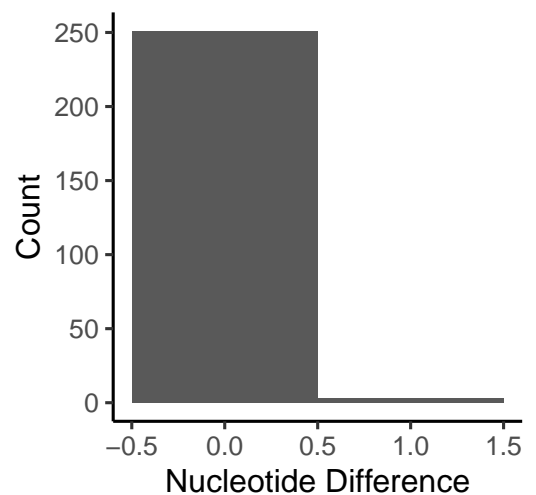
TRBV7-1*ap01_G291C_T

117 sequences assigned
112 (95.7%) exact matches, in which:
112 unique CDR3
13 unique J



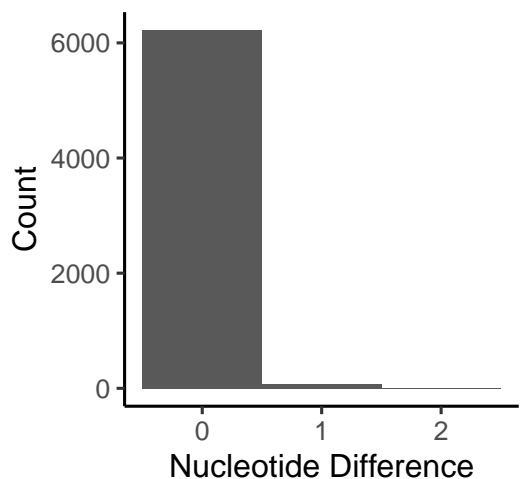
TRBV7-4*ap01

254 sequences assigned
251 (98.8%) exact matches, in which:
250 unique CDR3
13 unique J



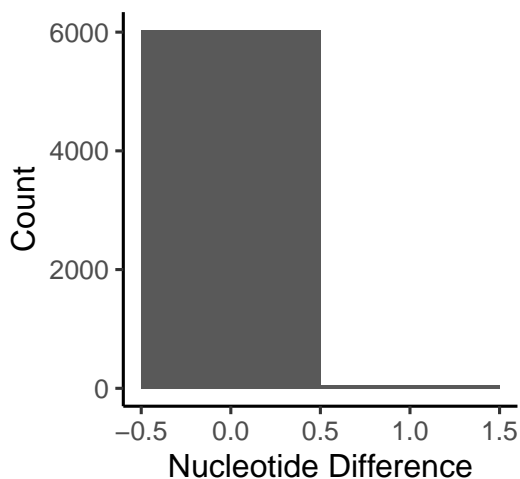
TRBV6-56*ap01

6301 sequences assigned
6223 (98.8%) exact matches, in which:
6119 unique CDR3
13 unique J



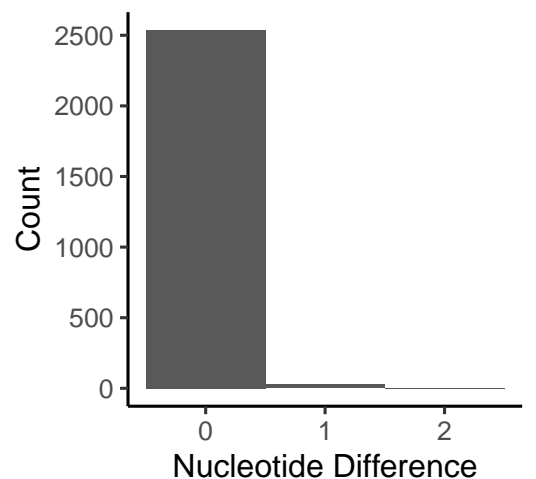
TRBV7-2*ap01

6090 sequences assigned
6035 (99.1%) exact matches, in which:
6003 unique CDR3
13 unique J



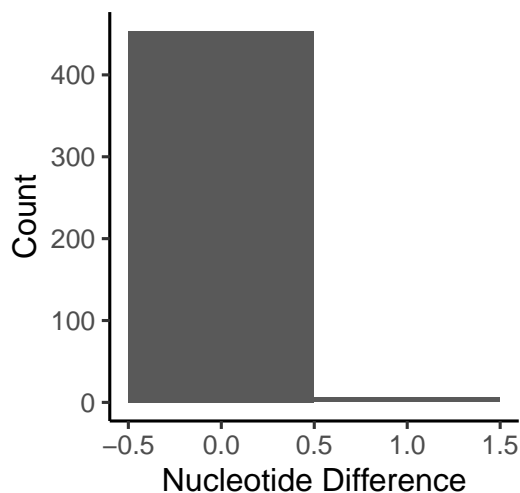
TRBV7-6*ap01

2565 sequences assigned
2537 (98.9%) exact matches, in which:
2506 unique CDR3
13 unique J



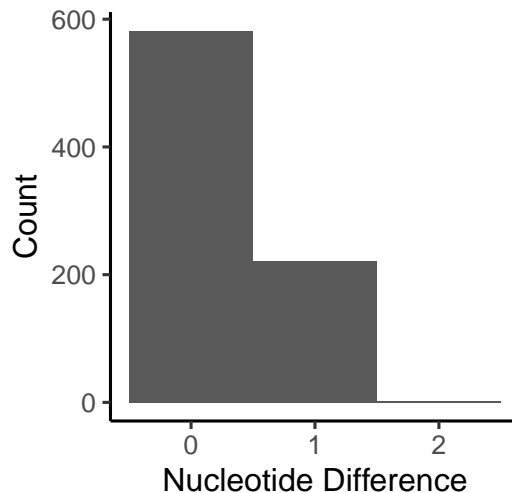
TRBV7-7*ap01

460 sequences assigned
454 (98.7%) exact matches, in which:
447 unique CDR3
13 unique J



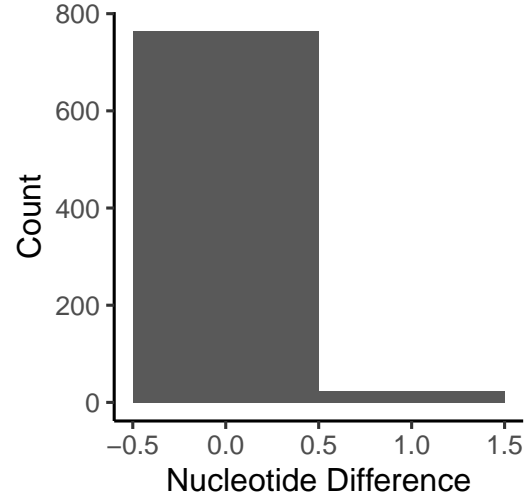
TRBV7-8*ap03

806 sequences assigned
582 (72.2%) exact matches, in which:
577 unique CDR3
13 unique J



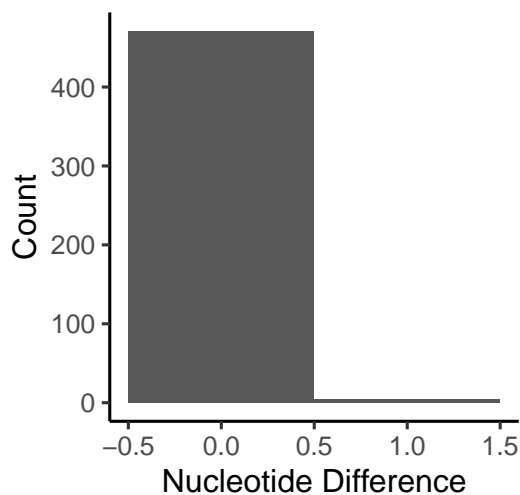
TRBV29-1*ap02

788 sequences assigned
765 (97.1%) exact matches, in which:
753 unique CDR3
13 unique J



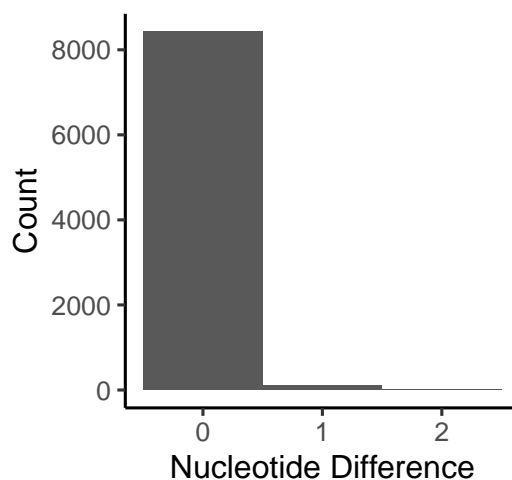
TRBV7-7*ap01_C315T

476 sequences assigned
471 (98.9%) exact matches, in which:
464 unique CDR3
13 unique J



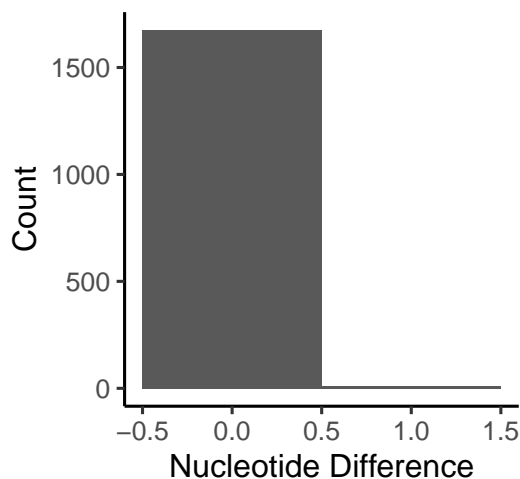
TRBV7-9*ap01

8529 sequences assigned
8425 (98.8%) exact matches, in which:
8360 unique CDR3
13 unique J



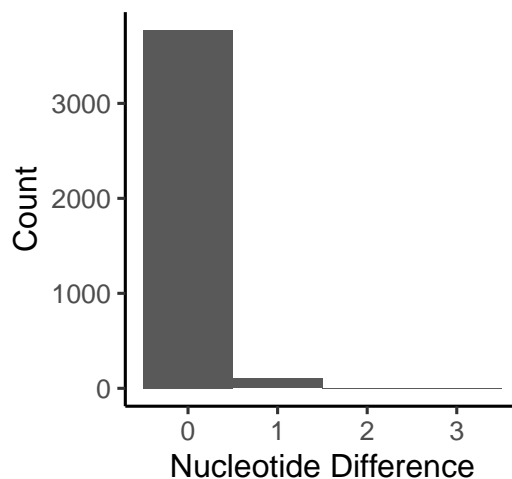
TRBV7-8*ap01

1686 sequences assigned
1675 (99.3%) exact matches, in which:
1663 unique CDR3
13 unique J

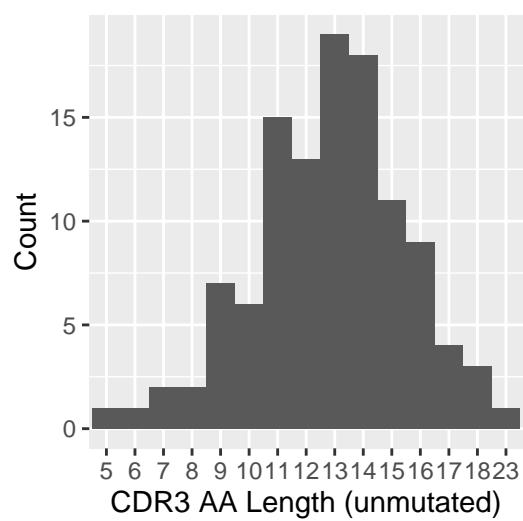


TRBV29-1*ap01

3879 sequences assigned
3772 (97.2%) exact matches, in which:
3687 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

