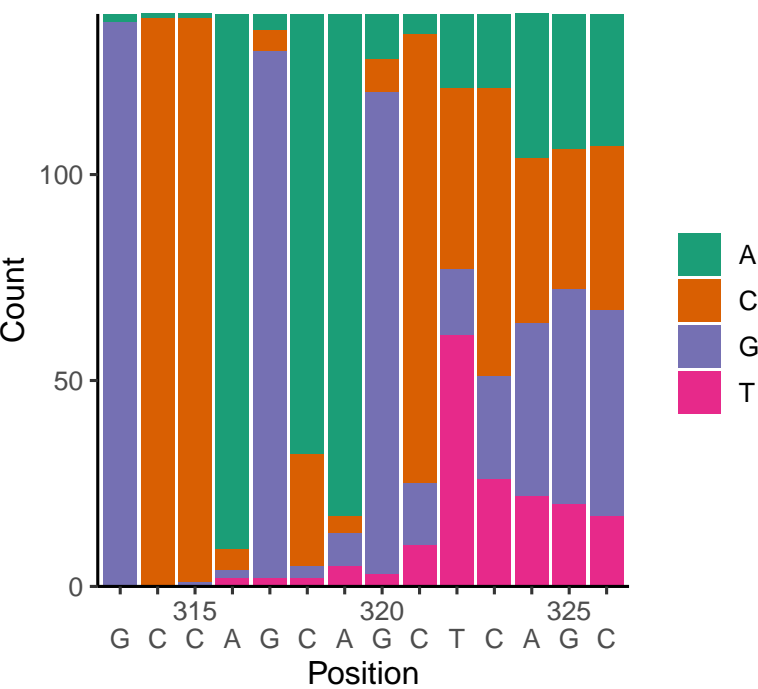
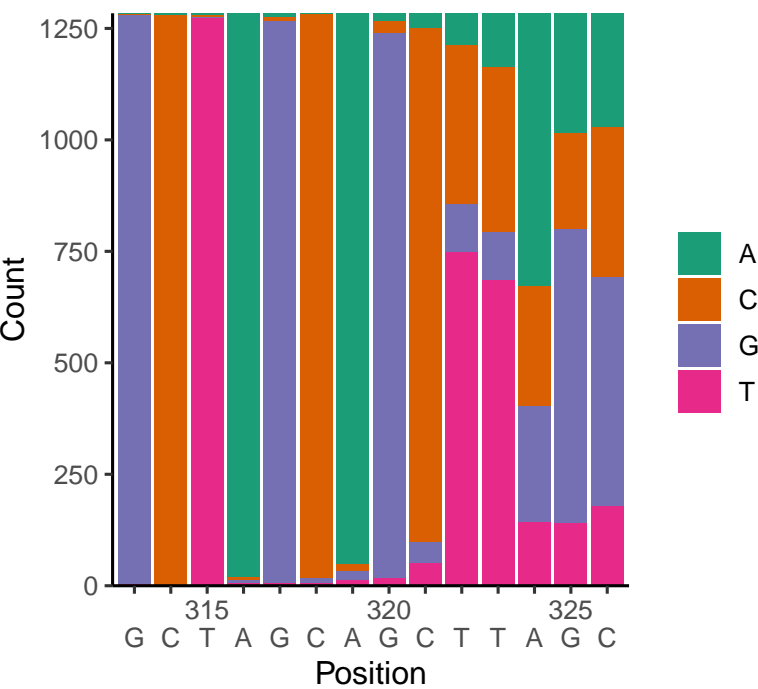


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



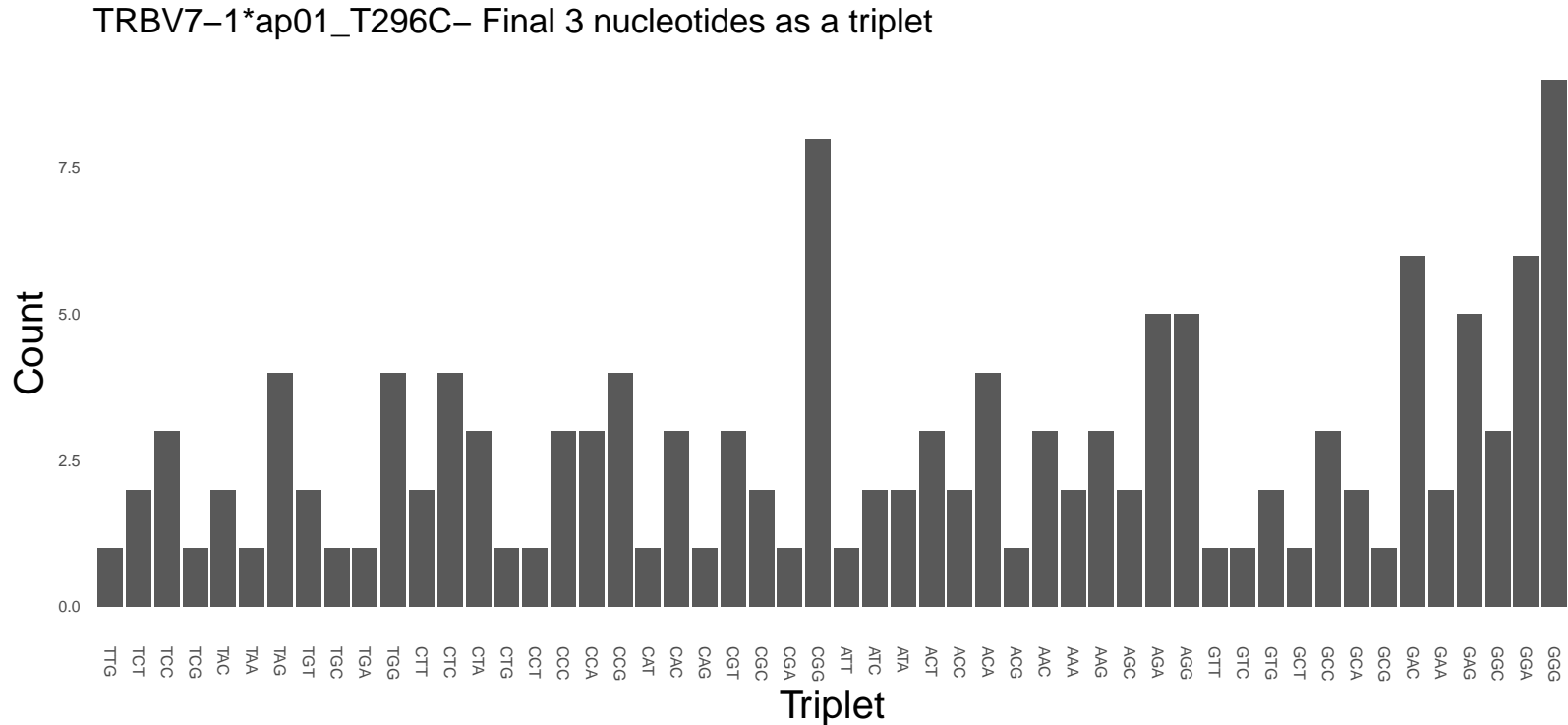
Gene TRBV7-1*ap01_T296C



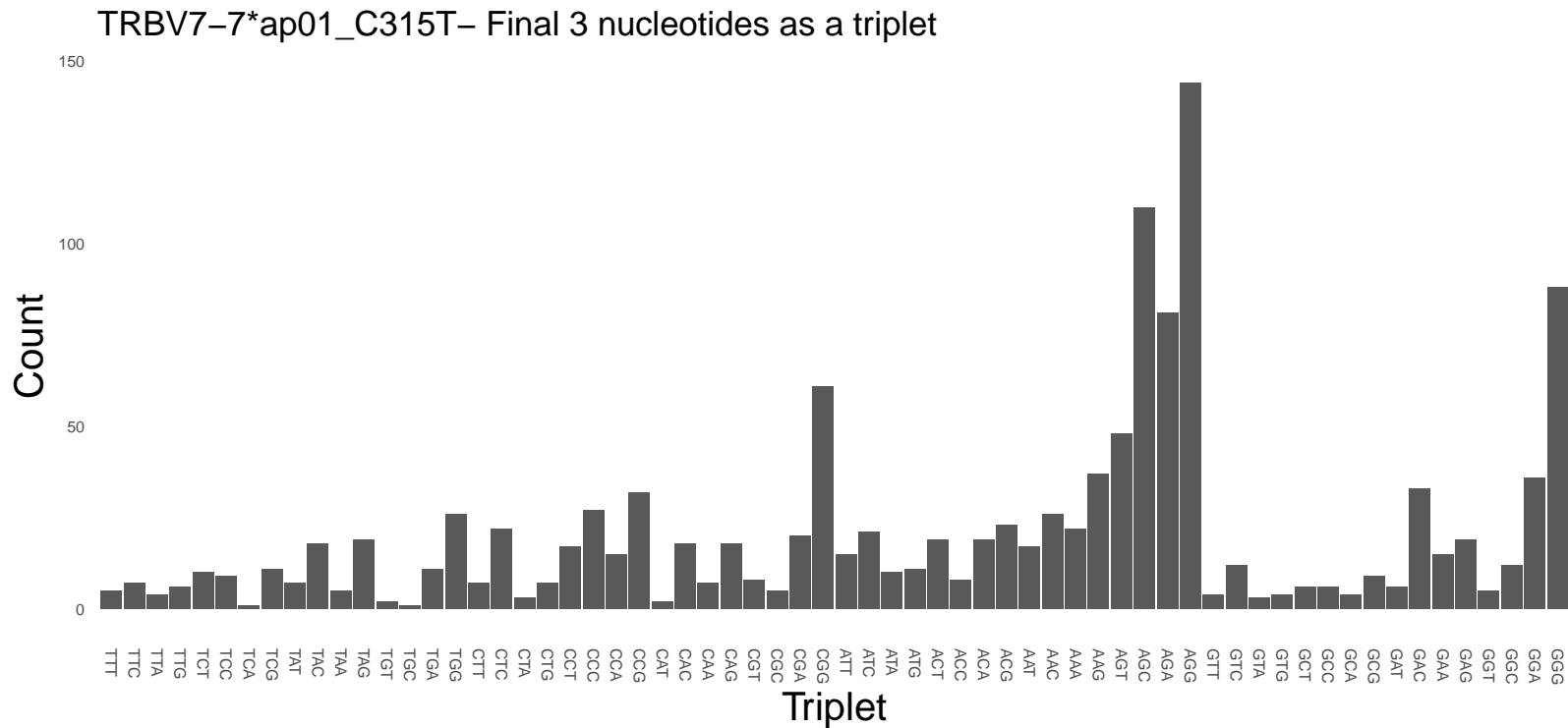
Gene TRBV7-7*ap01_C315T



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

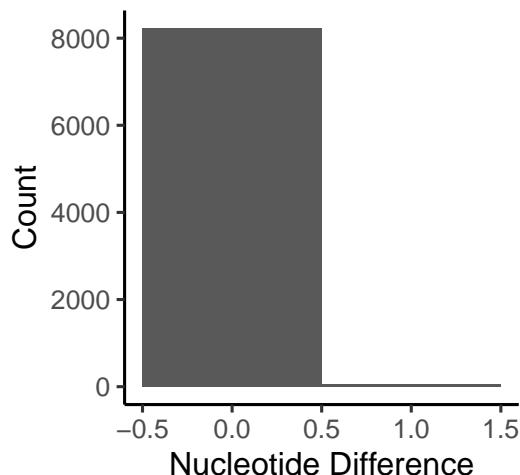


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



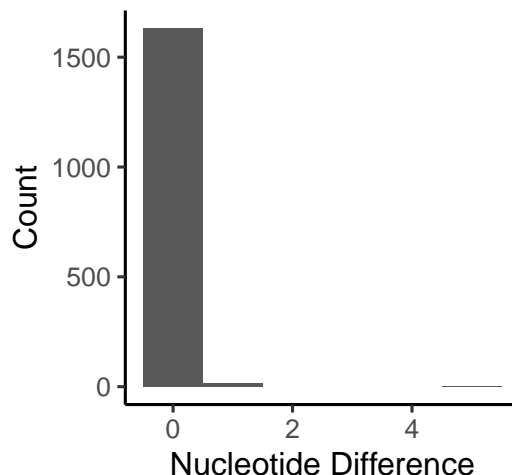
TRBV20-1*ap01

8284 sequences assigned
8224 (99.3%) exact matches, in which:
8140 unique CDR3
13 unique J



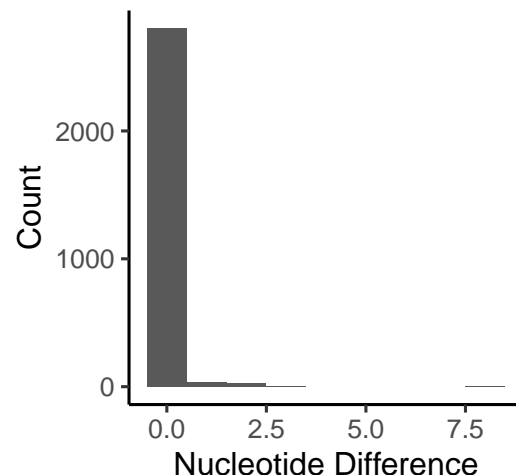
TRBV10-2*ap01

1647 sequences assigned
1631 (99%) exact matches, in which:
1608 unique CDR3
13 unique J



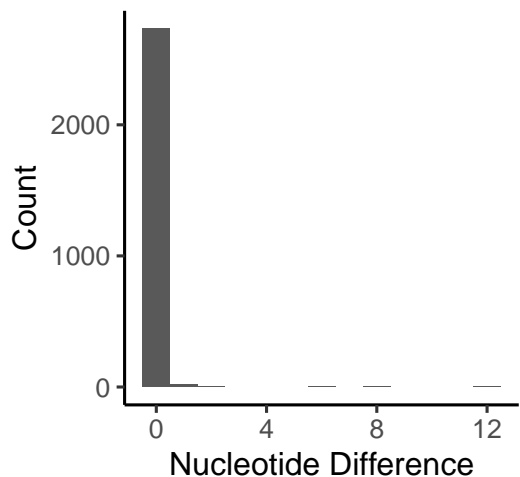
TRBV13*ap01

2868 sequences assigned
2802 (97.7%) exact matches, in which:
2737 unique CDR3
13 unique J



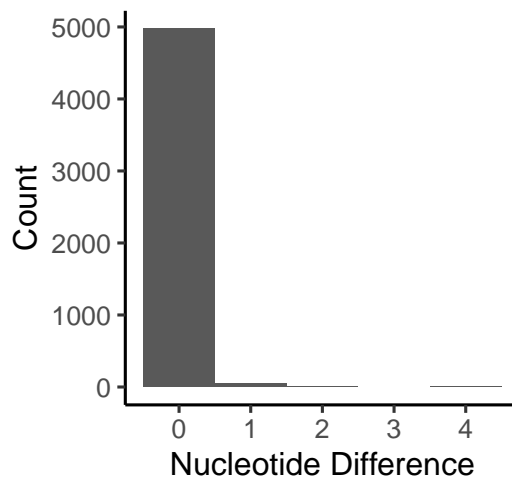
TRBV10-1*ap01

2759 sequences assigned
2733 (99.1%) exact matches, in which:
2690 unique CDR3
13 unique J



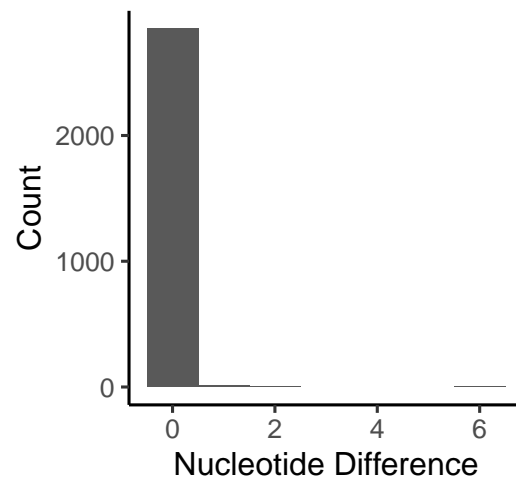
TRBV10-3*ap01

5021 sequences assigned
4975 (99.1%) exact matches, in which:
4896 unique CDR3
13 unique J



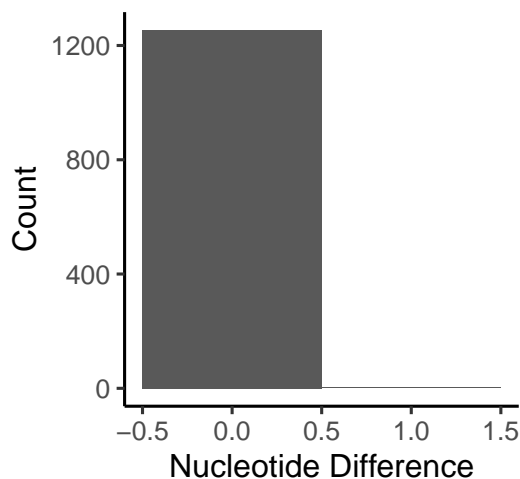
TRBV14*ap01

2866 sequences assigned
2849 (99.4%) exact matches, in which:
2825 unique CDR3
13 unique J



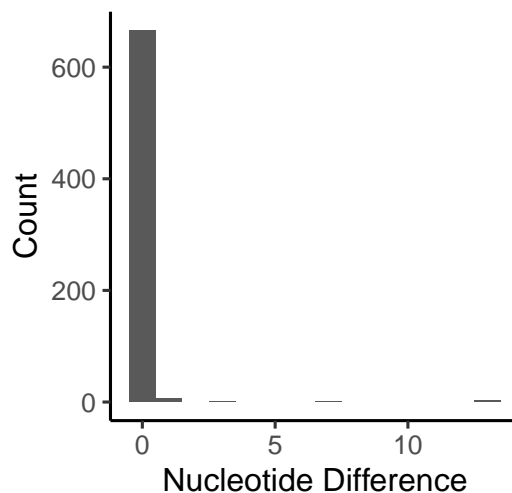
TRBV20-1*ap02

1257 sequences assigned
1254 (99.8%) exact matches, in which:
1238 unique CDR3
13 unique J



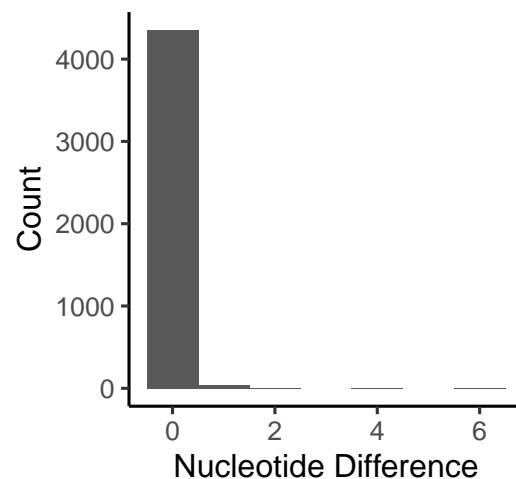
TRBV1*ap01

677 sequences assigned
666 (98.4%) exact matches, in which:
648 unique CDR3
13 unique J



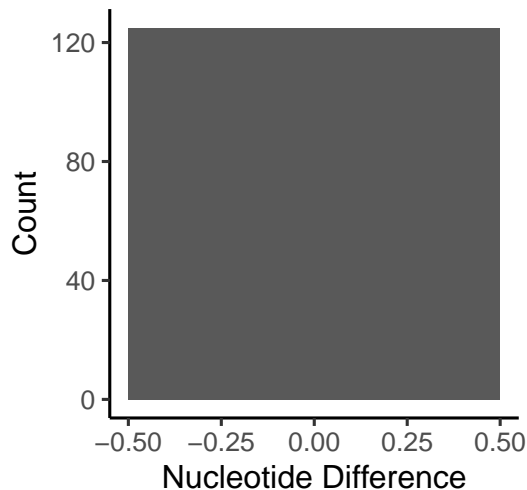
TRBV15*ap02

4400 sequences assigned
4353 (98.9%) exact matches, in which:
4261 unique CDR3
13 unique J



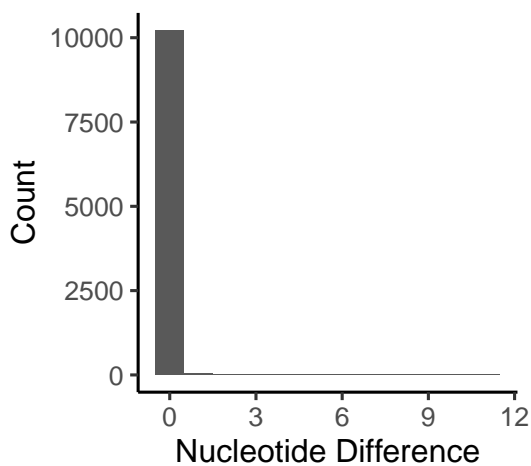
TRBV16*ap01

125 sequences assigned
125 (100%) exact matches, in which:
123 unique CDR3
13 unique J



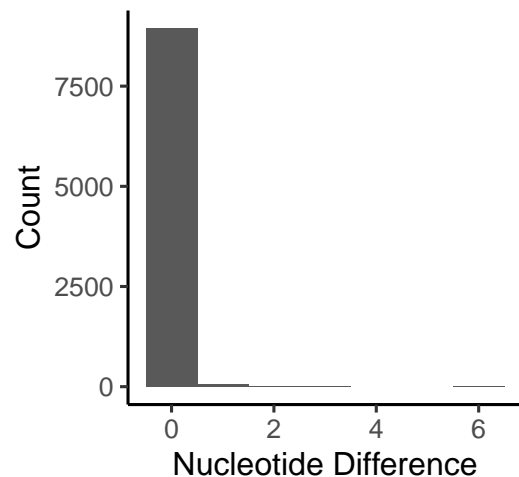
TRBV19*ap01

10287 sequences assigned
10224 (99.4%) exact matches, in which:
10171 unique CDR3
13 unique J



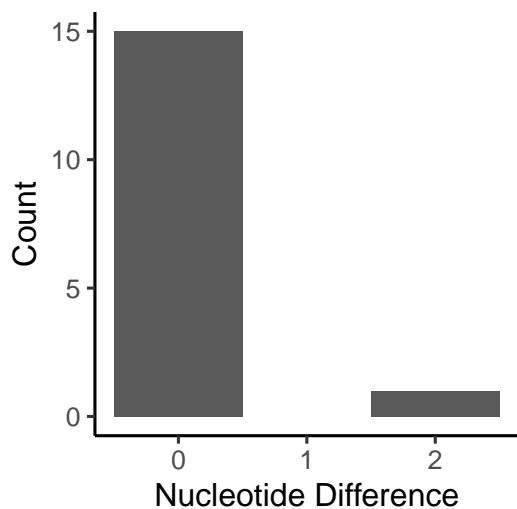
TRBV28*ap01

9015 sequences assigned
8941 (99.2%) exact matches, in which:
8846 unique CDR3
13 unique J



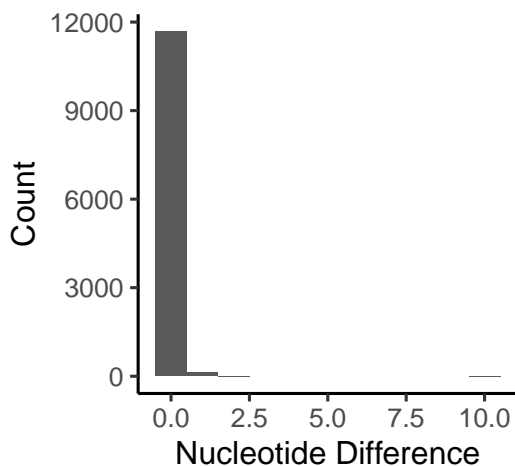
TRBV17*ap01

16 sequences assigned
15 (93.8%) exact matches, in which:
15 unique CDR3
8 unique J



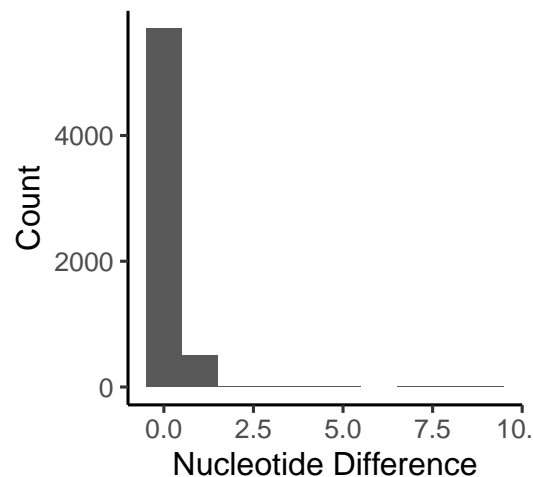
TRBV2*ap01

11822 sequences assigned
11681 (98.8%) exact matches, in which:
11438 unique CDR3
13 unique J



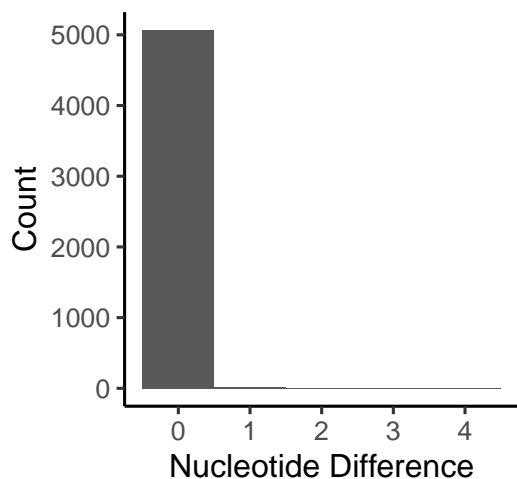
TRBV30*ap01

6222 sequences assigned
5698 (91.6%) exact matches, in which:
5561 unique CDR3
13 unique J



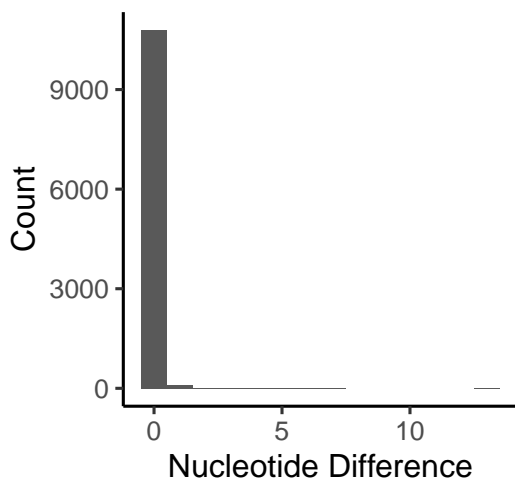
TRBV18*ap01

5092 sequences assigned
5068 (99.5%) exact matches, in which:
5045 unique CDR3
13 unique J



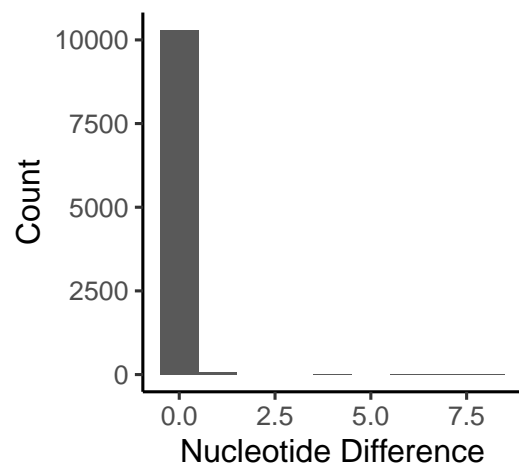
TRBV27*ap01

10913 sequences assigned
10793 (98.9%) exact matches, in which:
10570 unique CDR3
13 unique J



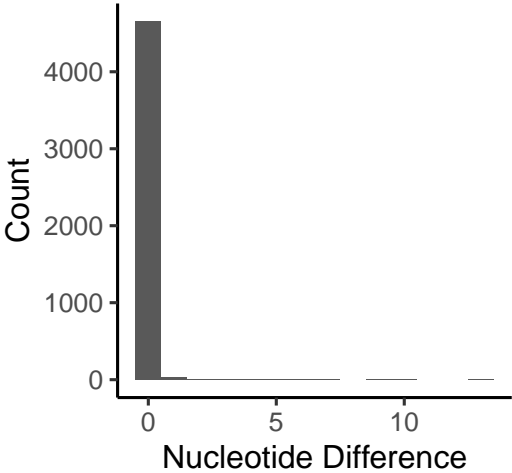
TRBV9*ap01

10377 sequences assigned
10302 (99.3%) exact matches, in which:
10225 unique CDR3
13 unique J



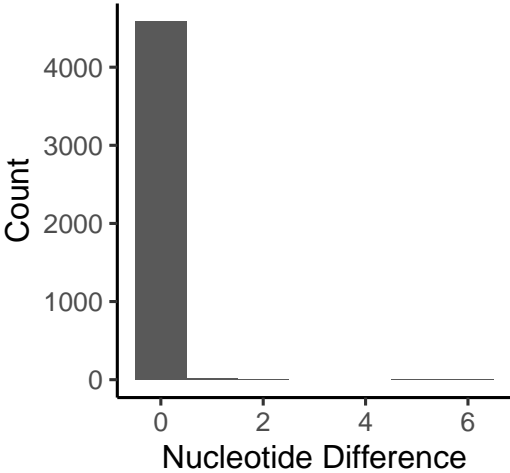
TRBV21-1*ap01

4707 sequences assigned
4654 (98.9%) exact matches, in which:
4637 unique CDR3
13 unique J



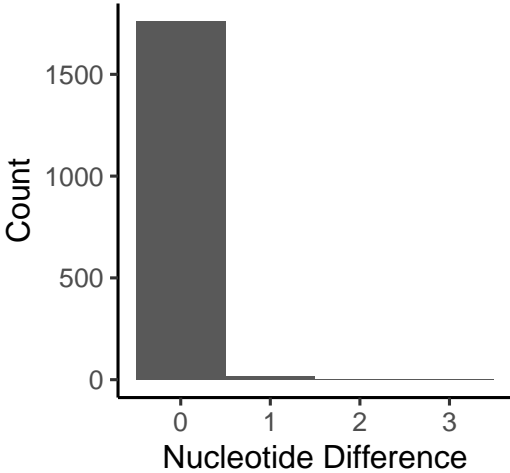
TRBV11-3*ap01

4612 sequences assigned
4586 (99.4%) exact matches, in which:
4553 unique CDR3
13 unique J



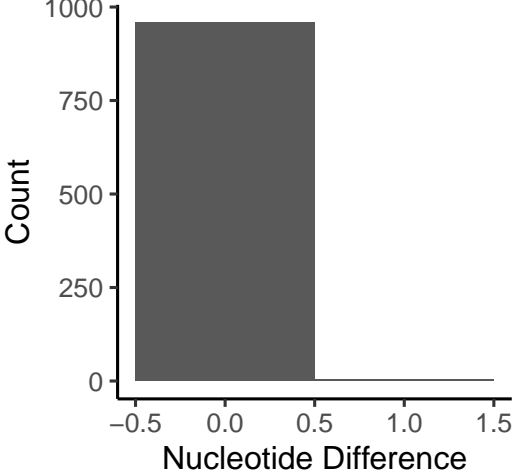
TRBV12-5*ap01

1779 sequences assigned
1760 (98.9%) exact matches, in which:
1733 unique CDR3
13 unique J



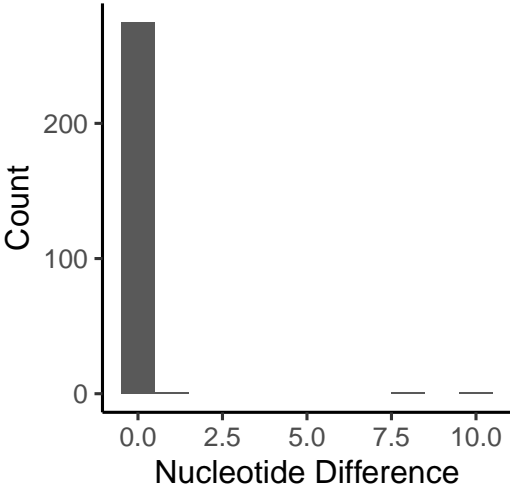
TRBV11-1*ap01

963 sequences assigned
958 (99.5%) exact matches, in which:
949 unique CDR3
13 unique J



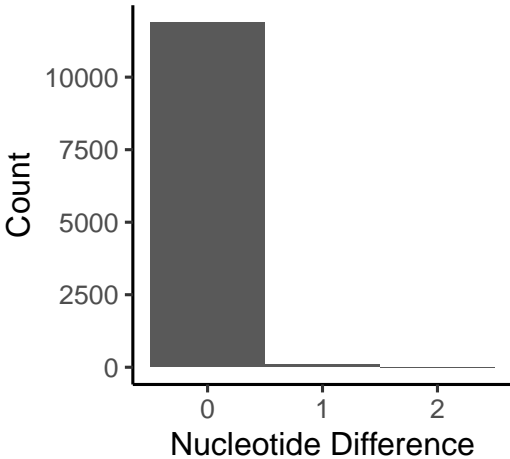
TRBV12-1*ap01

278 sequences assigned
275 (98.9%) exact matches, in which:
274 unique CDR3
13 unique J



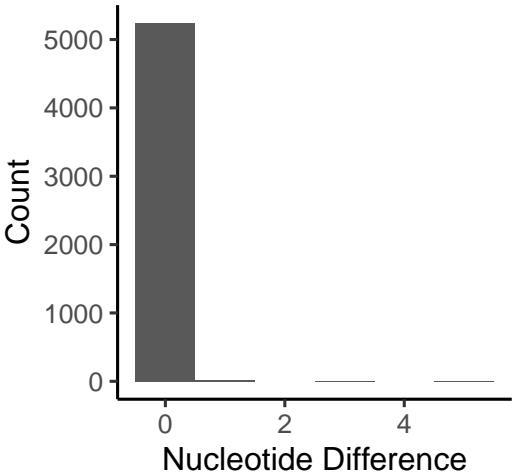
TRBV12-34*ap01

11988 sequences assigned
11885 (99.1%) exact matches, in which:
11700 unique CDR3
13 unique J



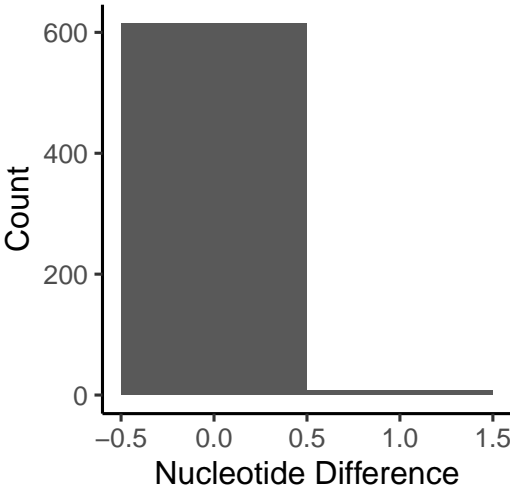
TRBV11-2*ap01

5258 sequences assigned
5241 (99.7%) exact matches, in which:
5212 unique CDR3
13 unique J



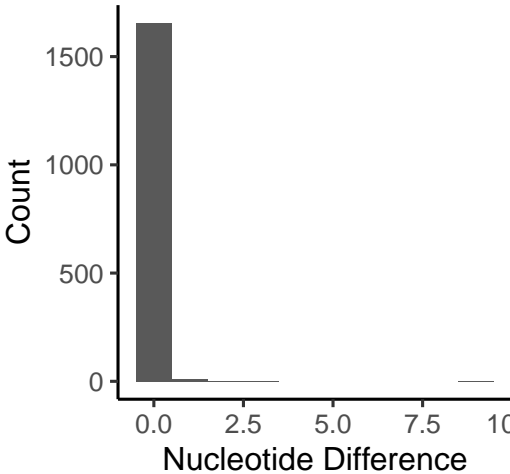
TRBV12-2*ap01

622 sequences assigned
615 (98.9%) exact matches, in which:
609 unique CDR3
13 unique J



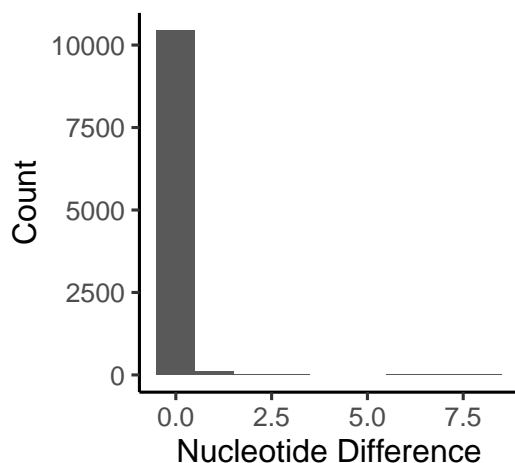
TRBV23-1*ap01

1670 sequences assigned
1655 (99.1%) exact matches, in which:
1635 unique CDR3
13 unique J



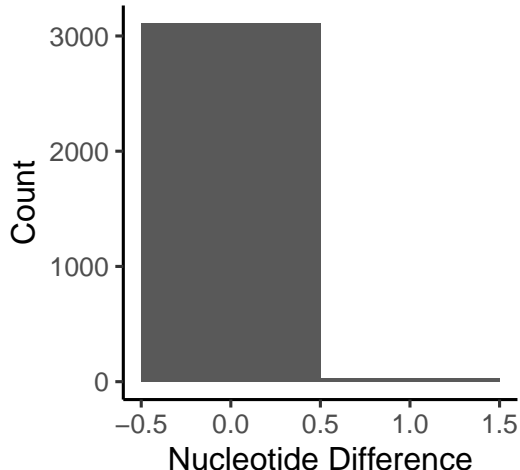
TRBV3-12*ap01

10579 sequences assigned
10452 (98.8%) exact matches, in which:
10263 unique CDR3
13 unique J



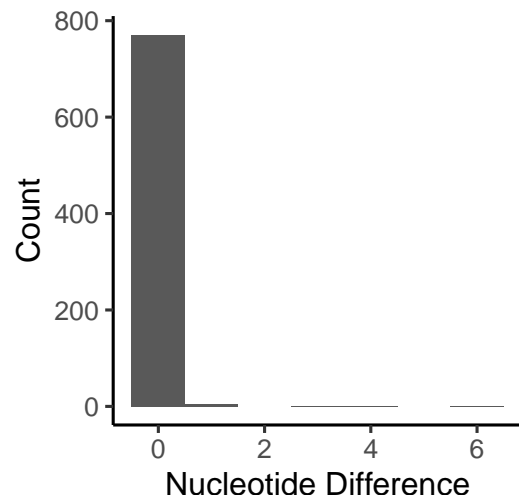
TRBV4-2*ap01

3141 sequences assigned
3109 (99%) exact matches, in which:
3034 unique CDR3
13 unique J



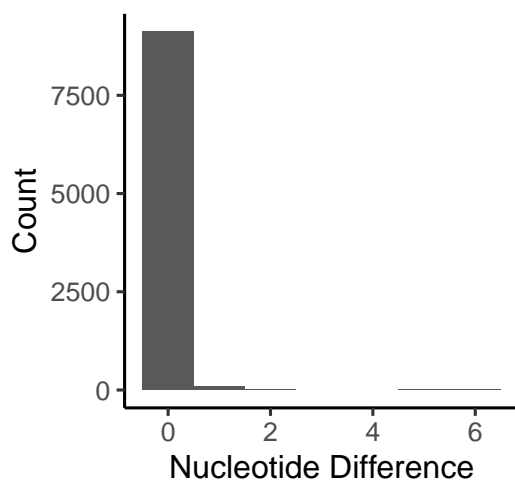
TRBV5-3*ap01

779 sequences assigned
771 (99%) exact matches, in which:
767 unique CDR3
13 unique J



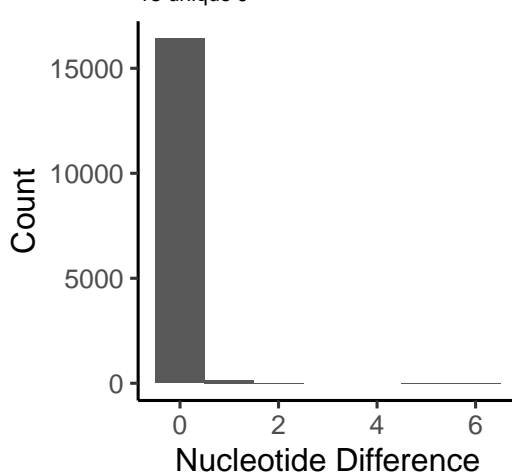
TRBV4-1*ap01

9215 sequences assigned
9118 (98.9%) exact matches, in which:
8906 unique CDR3
13 unique J



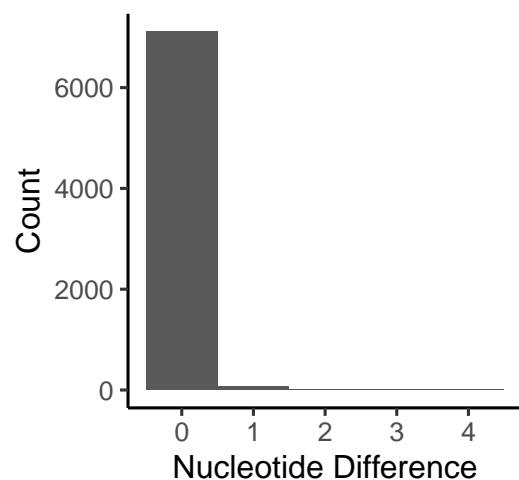
TRBV5-1*ap01

16578 sequences assigned
16420 (99%) exact matches, in which:
16011 unique CDR3
13 unique J



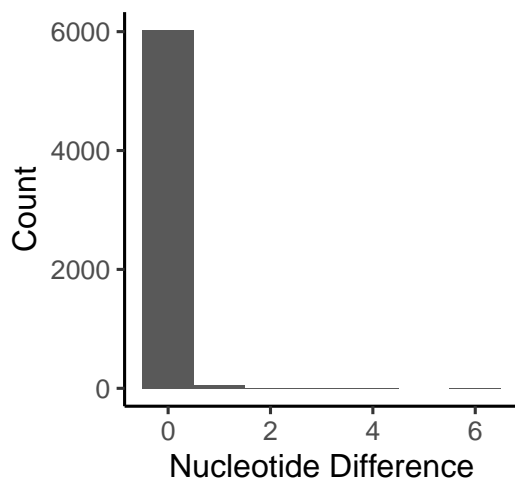
TRBV5-4*ap01

7191 sequences assigned
7109 (98.9%) exact matches, in which:
6974 unique CDR3
13 unique J



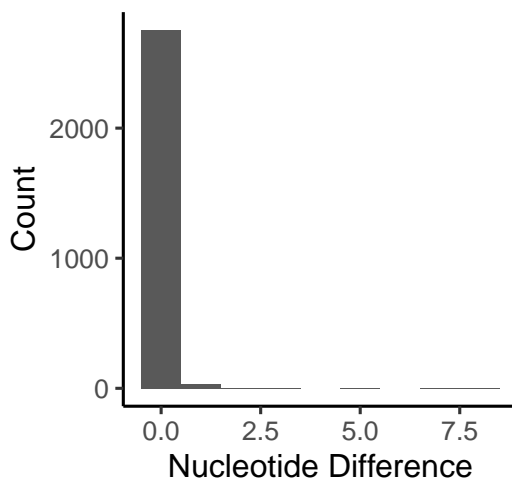
TRBV24-1*ap01

6096 sequences assigned
6027 (98.9%) exact matches, in which:
5920 unique CDR3
13 unique J



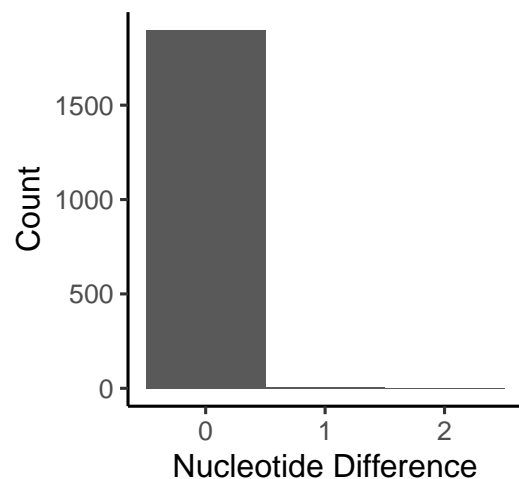
TRBV25-1*ap01

2794 sequences assigned
2754 (98.6%) exact matches, in which:
2692 unique CDR3
13 unique J



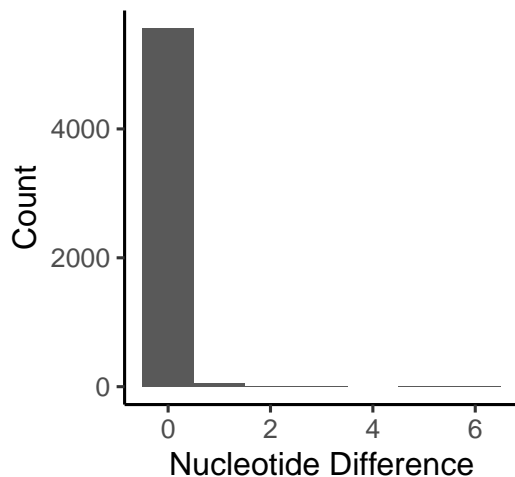
TRBV5-5*ap01

1907 sequences assigned
1898 (99.5%) exact matches, in which:
1886 unique CDR3
13 unique J



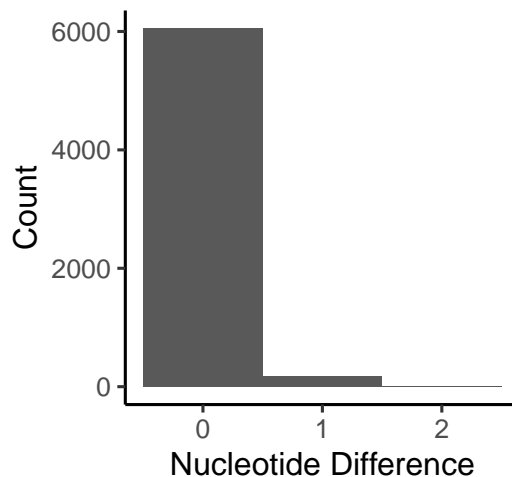
TRBV5-6*ap01

5622 sequences assigned
5560 (98.9%) exact matches, in which:
5419 unique CDR3
13 unique J



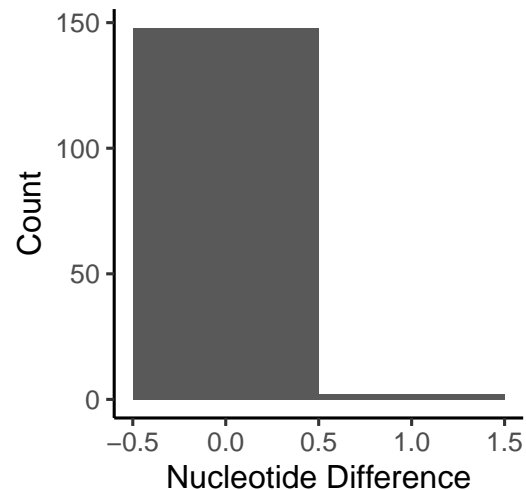
TRBV6-1*ap01

6230 sequences assigned
6052 (97.1%) exact matches, in which:
5910 unique CDR3
13 unique J



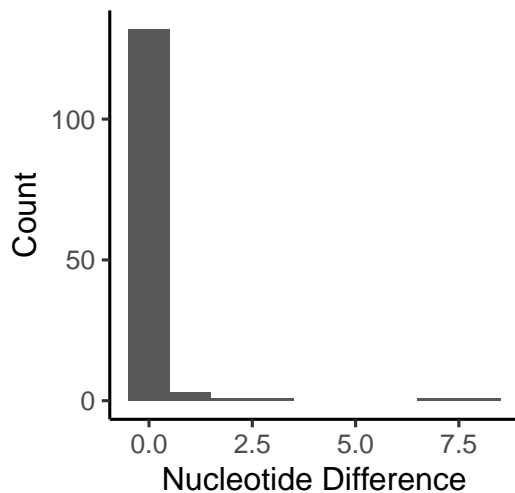
TRBV6-8*ap01

150 sequences assigned
148 (98.7%) exact matches, in which:
144 unique CDR3
13 unique J



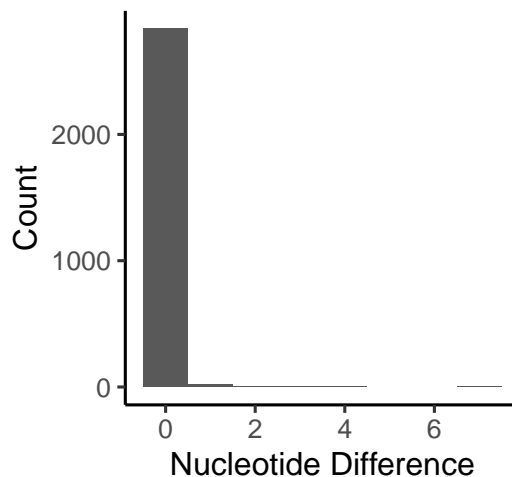
TRBV5-7*ap01

139 sequences assigned
132 (95%) exact matches, in which:
127 unique CDR3
13 unique J



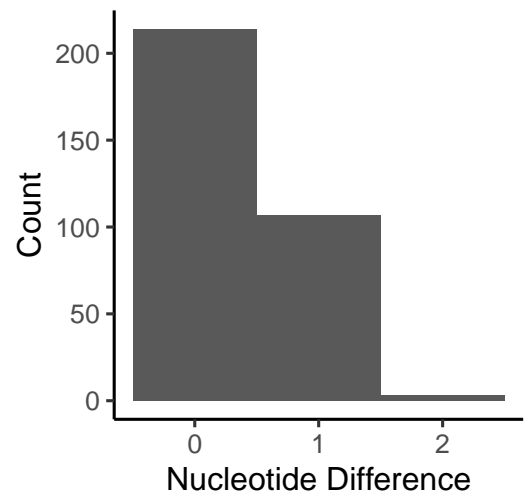
TRBV6-4*ap01

2864 sequences assigned
2837 (99.1%) exact matches, in which:
2802 unique CDR3
13 unique J



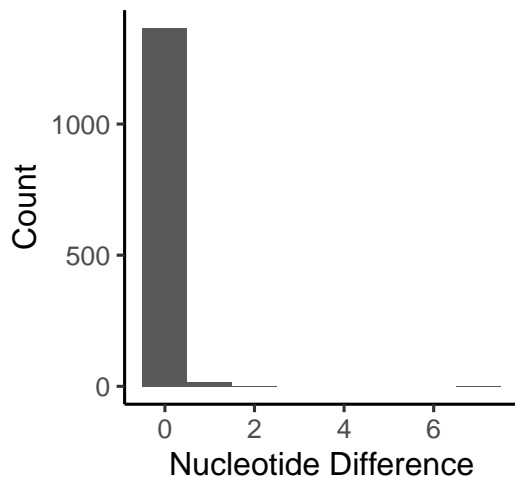
TRBV6-9*ap01

324 sequences assigned
214 (66%) exact matches, in which:
208 unique CDR3
13 unique J



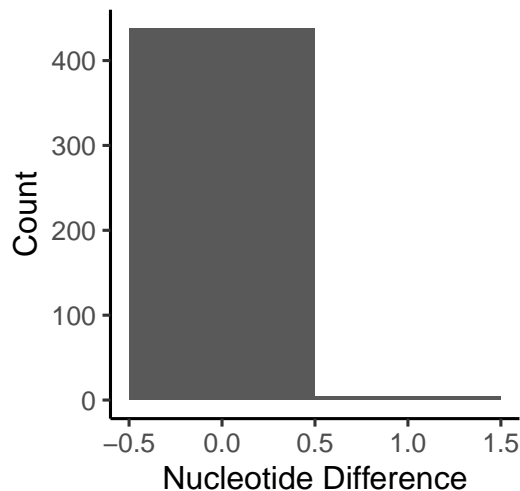
TRBV5-8*ap01

1384 sequences assigned
1366 (98.7%) exact matches, in which:
1353 unique CDR3
13 unique J



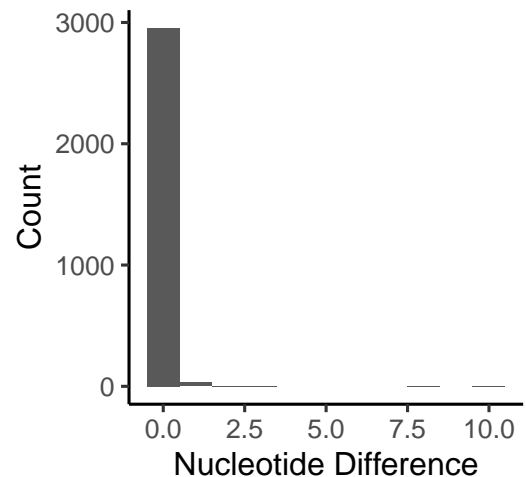
TRBV6-7*ap01

442 sequences assigned
438 (99.1%) exact matches, in which:
424 unique CDR3
13 unique J



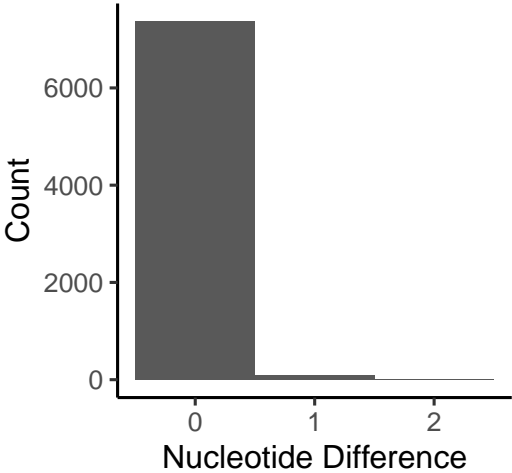
TRBV6-23*ap01

2990 sequences assigned
2954 (98.8%) exact matches, in which:
2887 unique CDR3
13 unique J



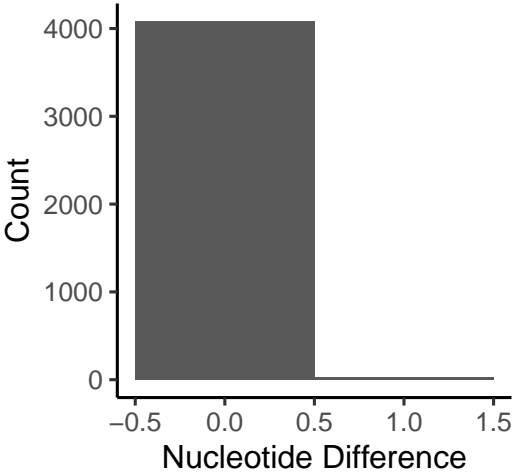
TRBV6-56*ap01

7472 sequences assigned
7368 (98.6%) exact matches, in which:
7189 unique CDR3
13 unique J



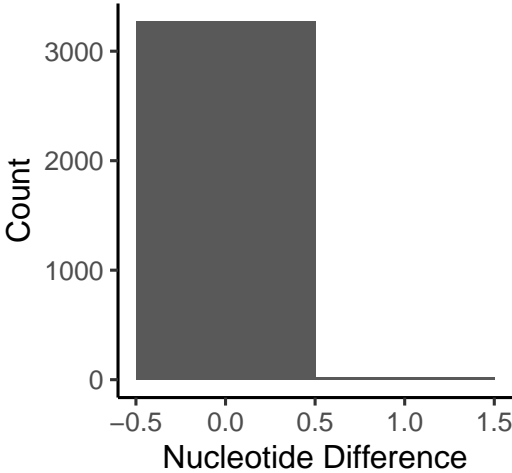
TRBV7-2*ap01

4104 sequences assigned
4081 (99.4%) exact matches, in which:
4039 unique CDR3
13 unique J



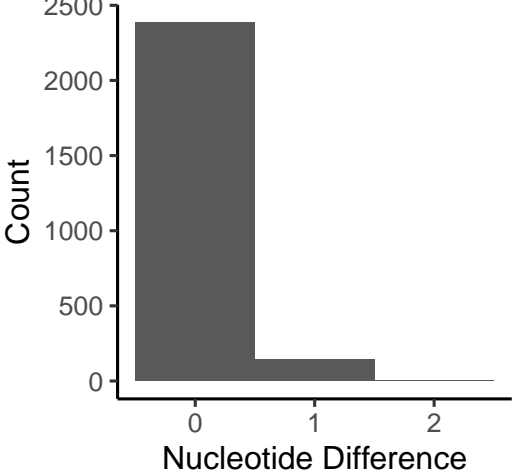
TRBV7-6*ap01

3296 sequences assigned
3272 (99.3%) exact matches, in which:
3222 unique CDR3
13 unique J



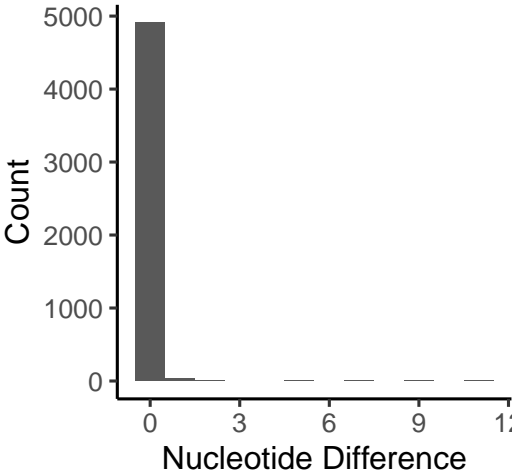
TRBV6-56*ap02

2529 sequences assigned
2384 (94.3%) exact matches, in which:
2336 unique CDR3
13 unique J



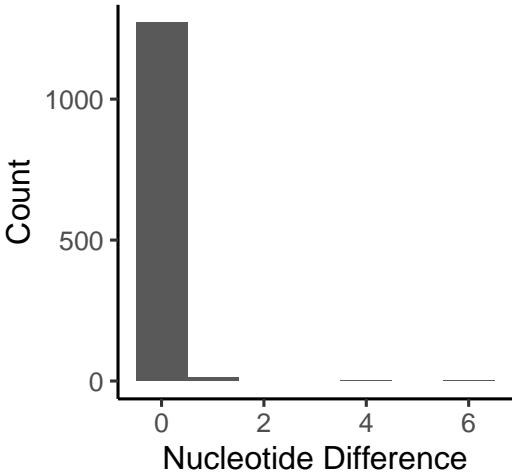
TRBV7-3*ap01

4943 sequences assigned
4909 (99.3%) exact matches, in which:
4864 unique CDR3
13 unique J



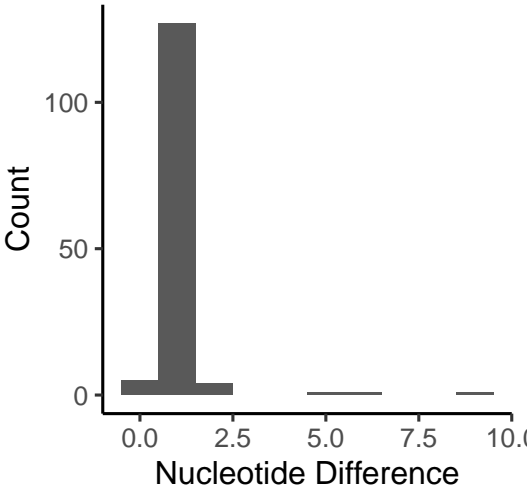
TRBV7-7*ap01_C315T

1284 sequences assigned
1271 (99%) exact matches, in which:
1251 unique CDR3
13 unique J



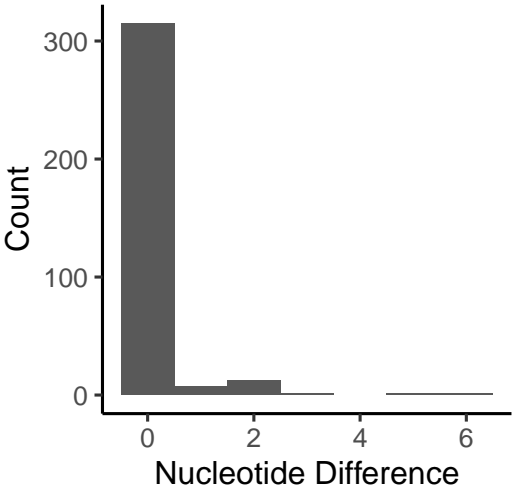
TRBV7-1*ap01_T296C

139 sequences assigned
5 (3.6%) exact matches, in which:
5 unique CDR3
3 unique J



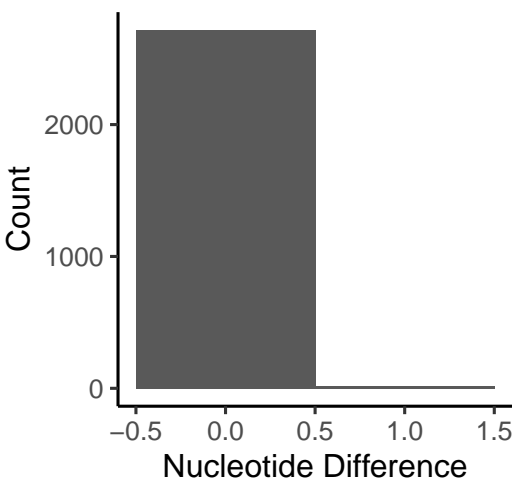
TRBV7-4*ap01

337 sequences assigned
315 (93.5%) exact matches, in which:
311 unique CDR3
13 unique J



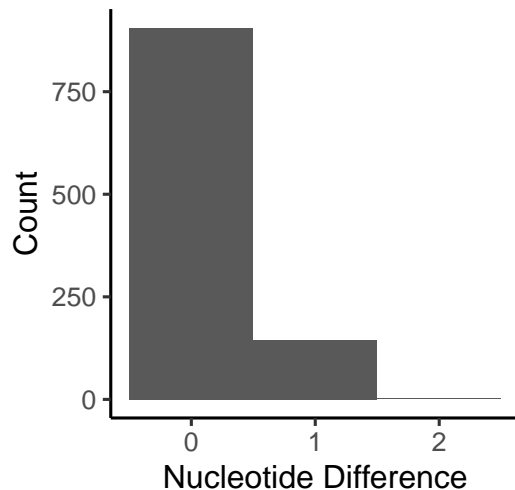
TRBV7-8*ap01

2734 sequences assigned
2717 (99.4%) exact matches, in which:
2681 unique CDR3
13 unique J



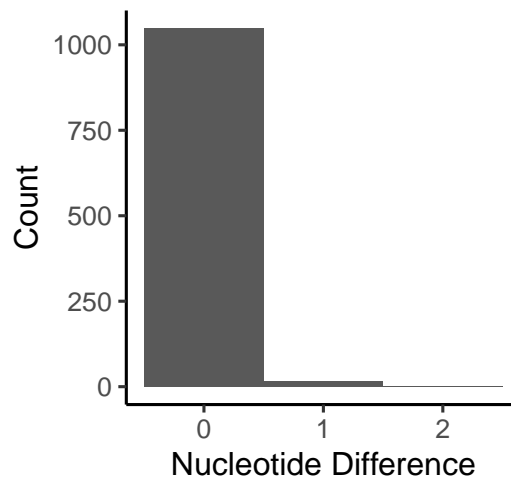
TRBV7-8*ap03

1052 sequences assigned
906 (86.1%) exact matches, in which:
887 unique CDR3
13 unique J



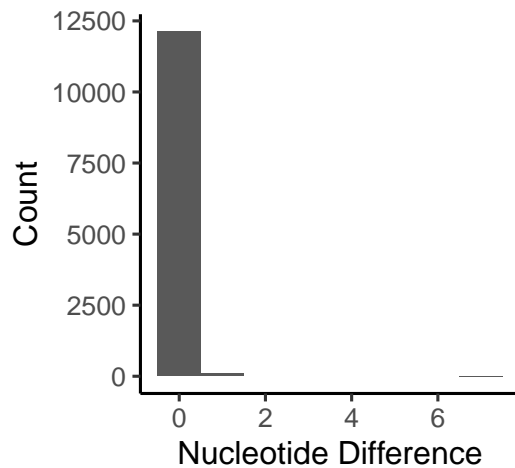
TRBV29-1*ap02

1066 sequences assigned
1048 (98.3%) exact matches, in which:
1019 unique CDR3
13 unique J



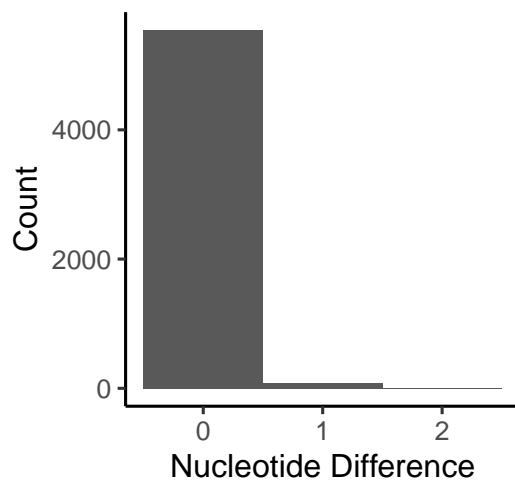
TRBV7-9*ap01

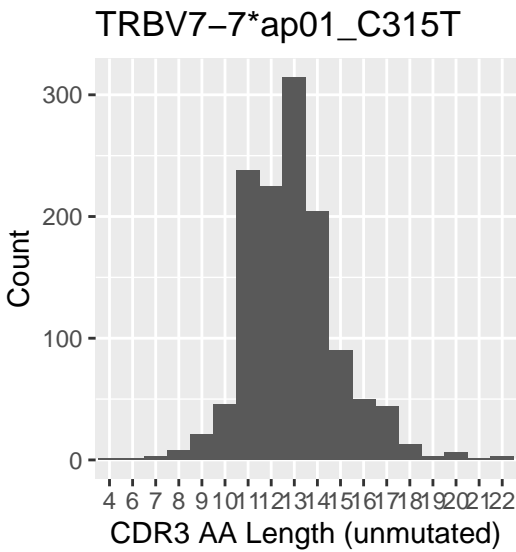
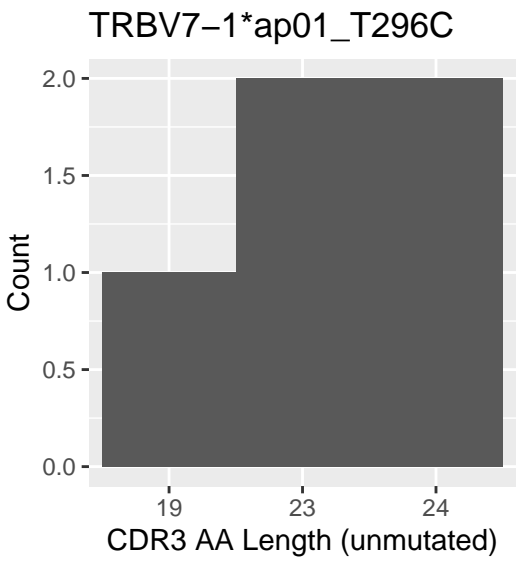
12225 sequences assigned
12128 (99.2%) exact matches, in which:
11995 unique CDR3
13 unique J



TRBV29-1*ap01

5632 sequences assigned
5544 (98.4%) exact matches, in which:
5413 unique CDR3
13 unique J







Warning – no inferred sequences found.

Warning – no inferred sequences found.