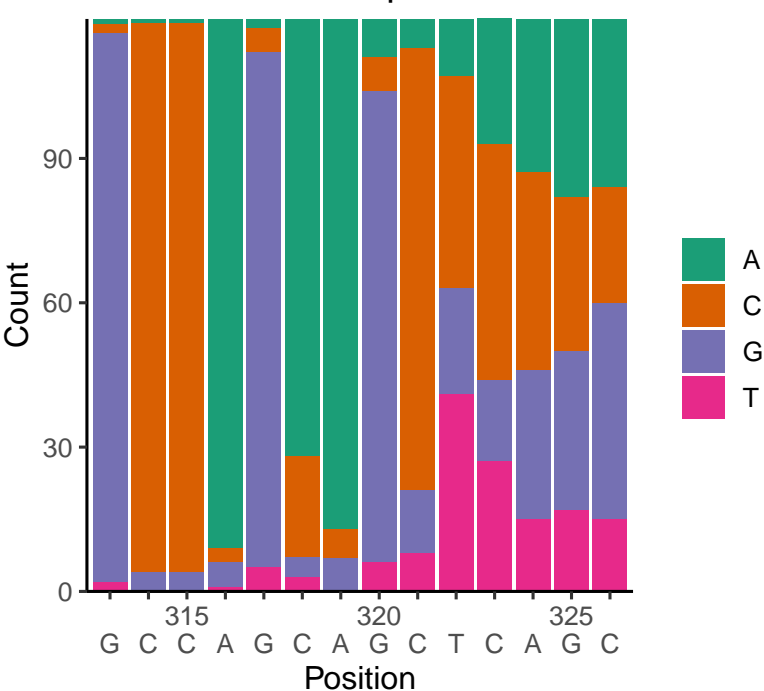
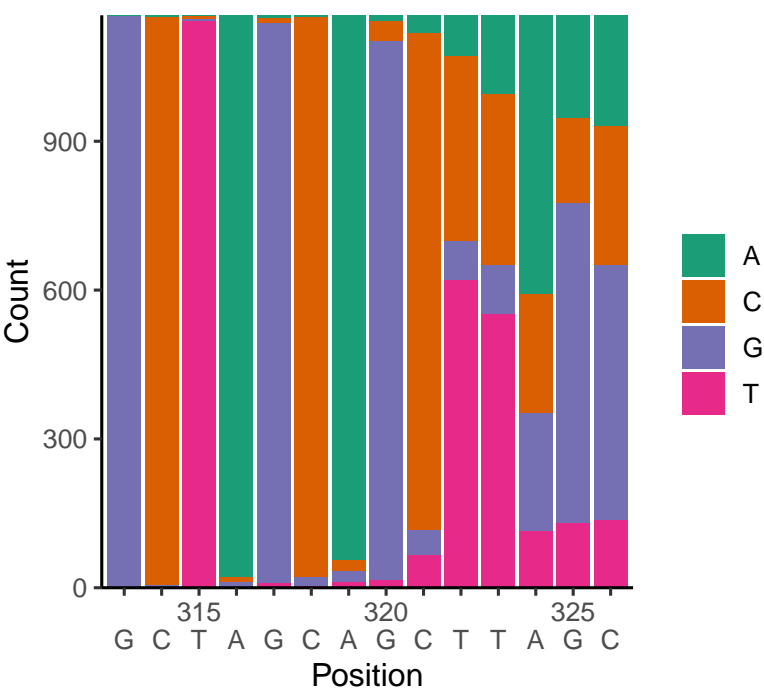


Gene TRBV7-1*ap01_T296C



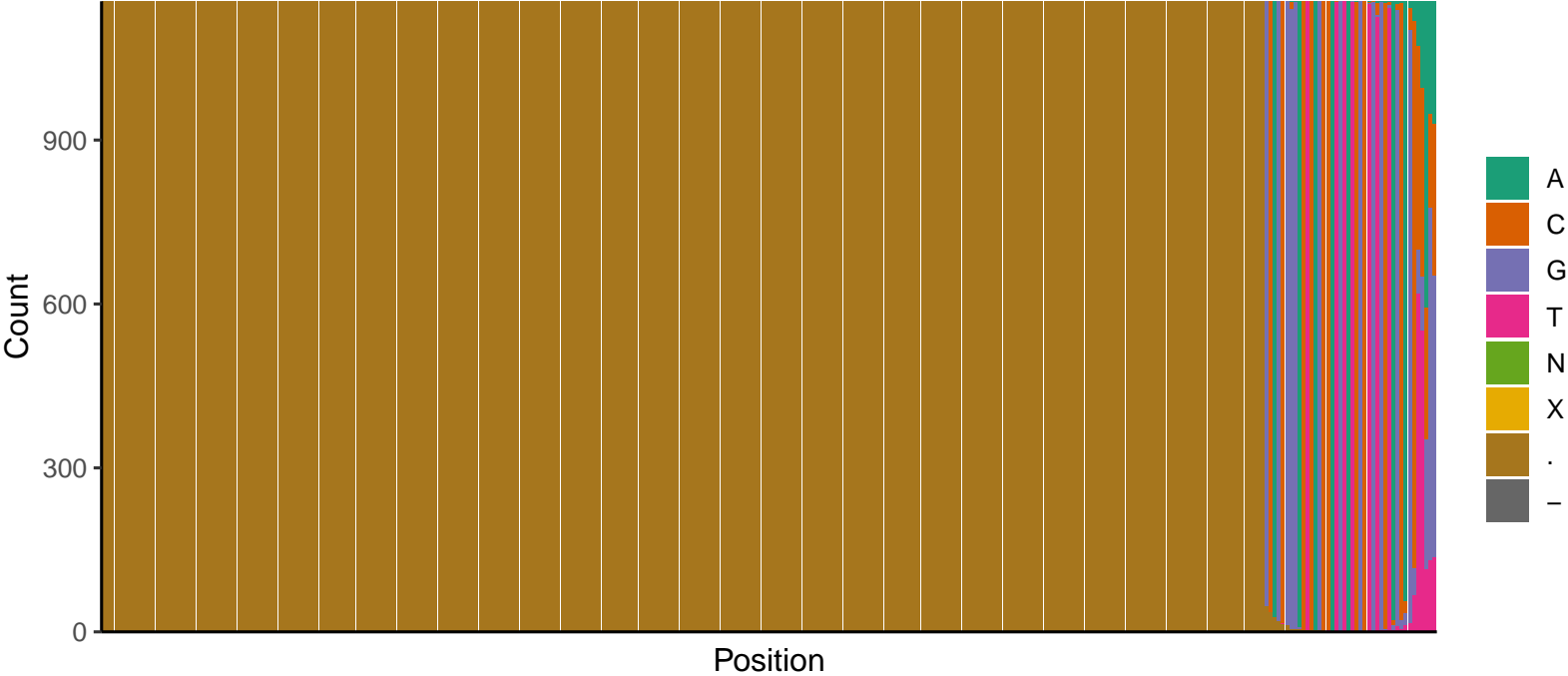
Gene TRBV7-7*ap01_C315T



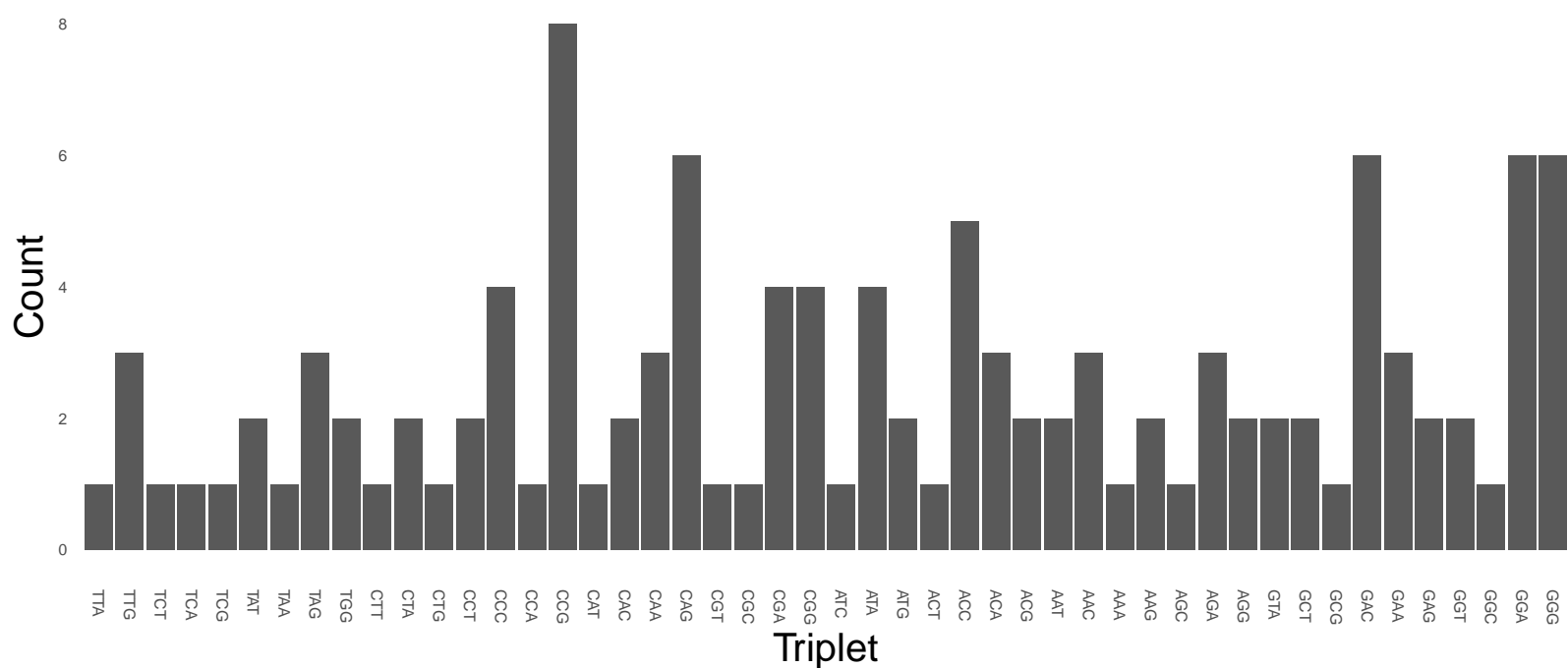
Gene TRBV7-1*ap01_T296C



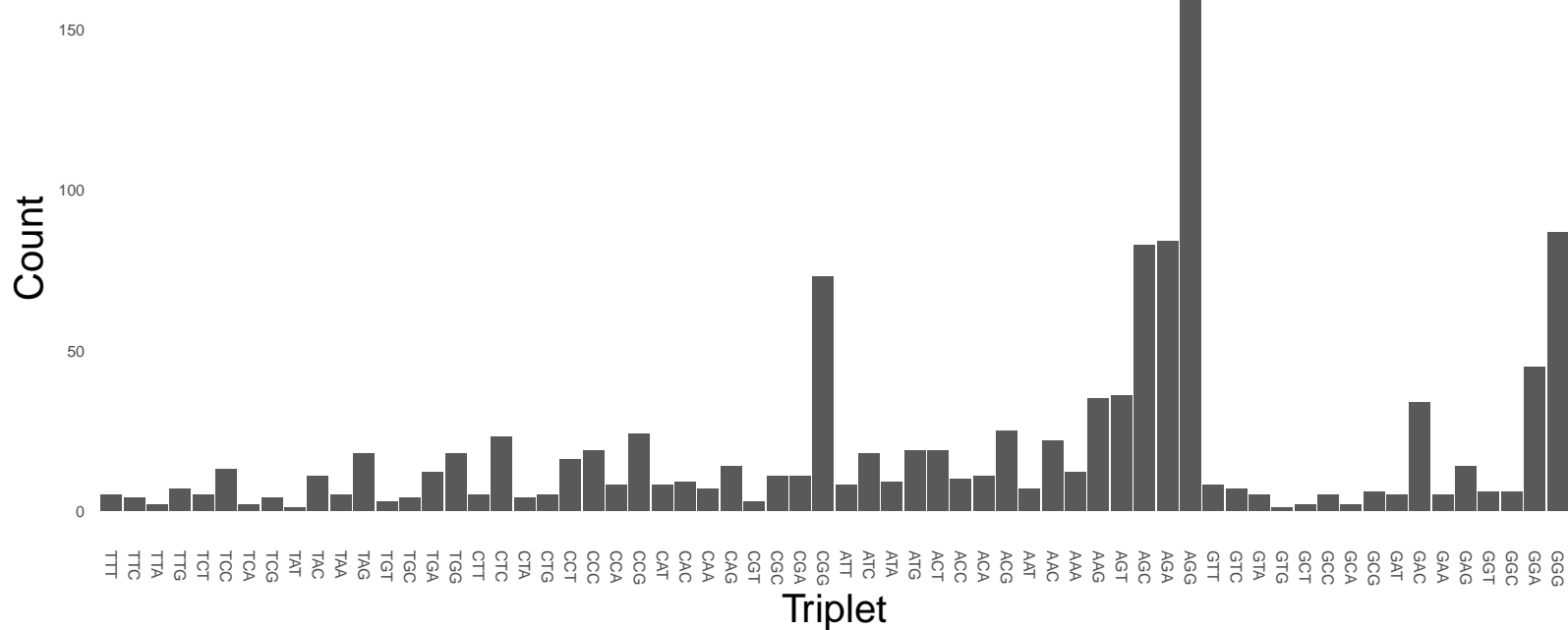
Gene TRBV7-7*ap01_C315T



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

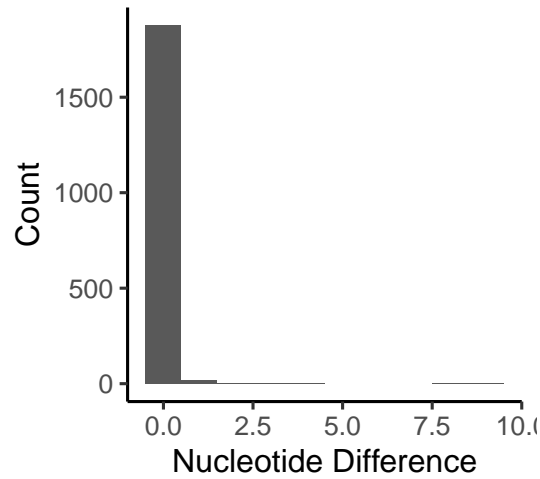


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



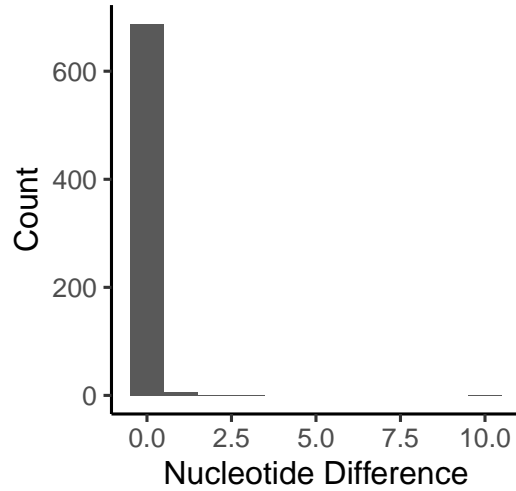
TRBV10-1*ap01

1905 sequences assigned
1876 (98.5%) exact matches, in which:
1806 unique CDR3
13 unique J



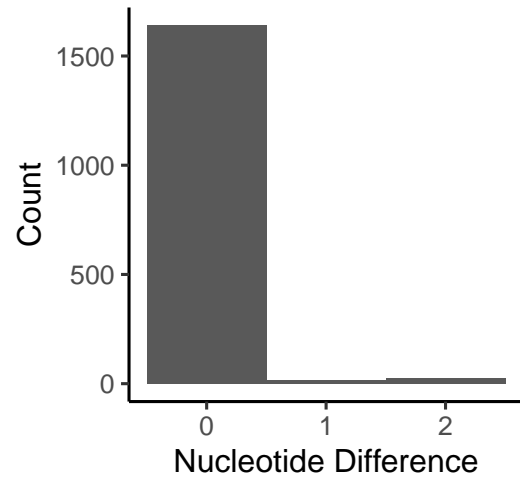
TRBV10-2*ap01

697 sequences assigned
688 (98.7%) exact matches, in which:
661 unique CDR3
13 unique J



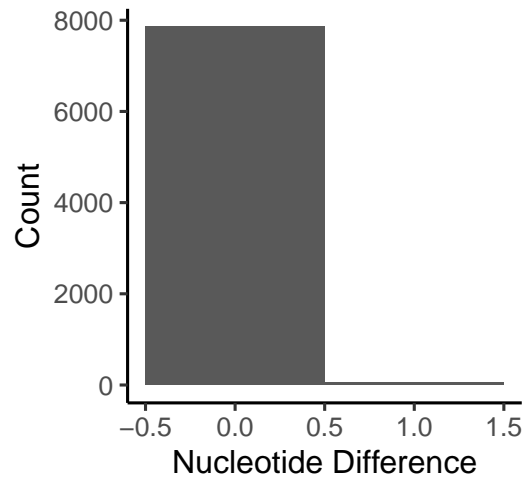
TRBV13*ap01

1683 sequences assigned
1640 (97.4%) exact matches, in which:
1573 unique CDR3
13 unique J



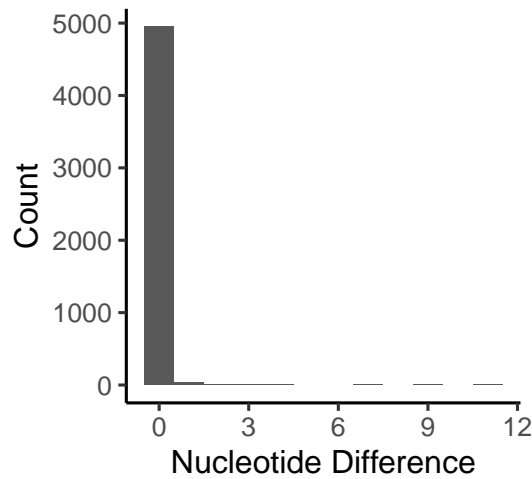
TRBV20-1*ap01

7910 sequences assigned
7858 (99.3%) exact matches, in which:
7739 unique CDR3
13 unique J



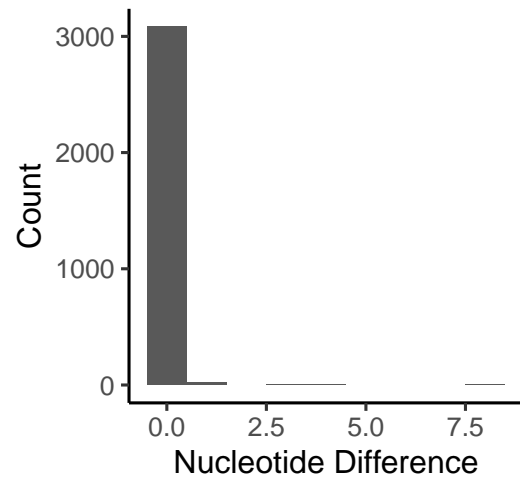
TRBV10-3*ap01

4999 sequences assigned
4950 (99%) exact matches, in which:
4826 unique CDR3
13 unique J



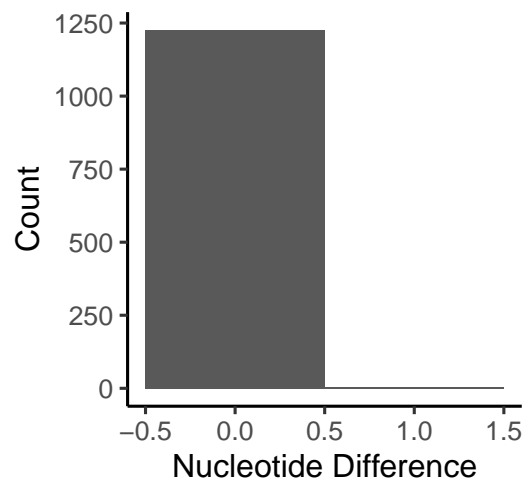
TRBV14*ap01

3111 sequences assigned
3083 (99.1%) exact matches, in which:
3030 unique CDR3
13 unique J



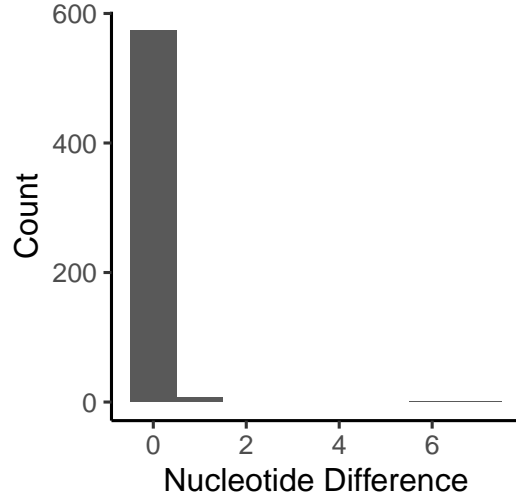
TRBV20-1*ap02

1230 sequences assigned
1226 (99.7%) exact matches, in which:
1206 unique CDR3
13 unique J



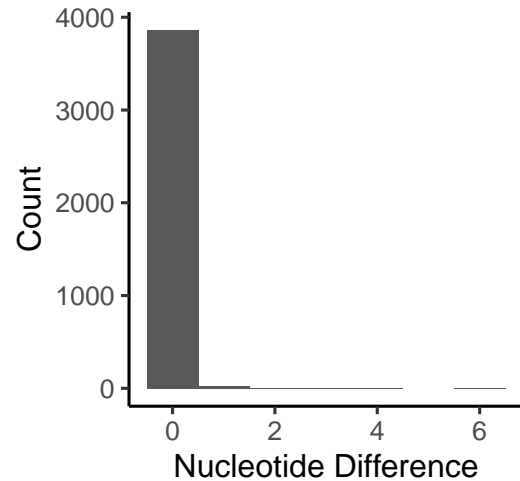
TRBV1*ap01

583 sequences assigned
574 (98.5%) exact matches, in which:
535 unique CDR3
13 unique J



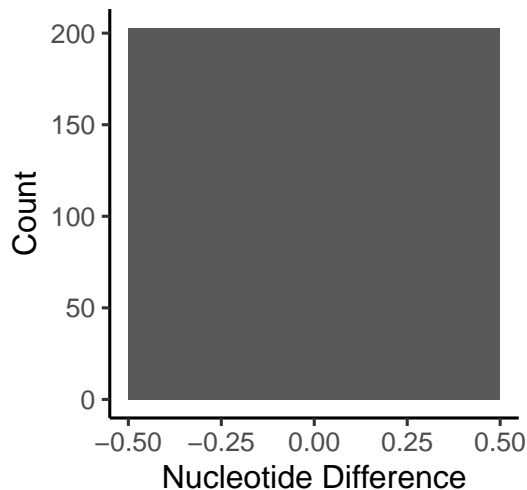
TRBV15*ap02

3891 sequences assigned
3862 (99.3%) exact matches, in which:
3713 unique CDR3
13 unique J



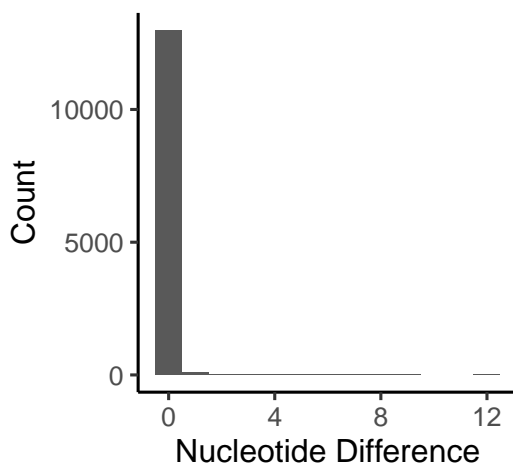
TRBV16*ap01

203 sequences assigned
203 (100%) exact matches, in which:
199 unique CDR3
13 unique J



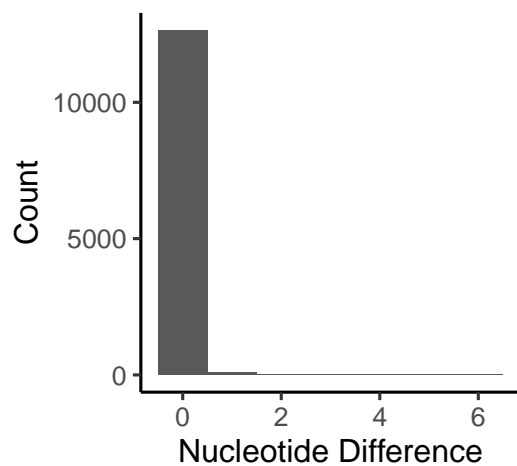
TRBV19*ap01

13116 sequences assigned
12988 (99%) exact matches, in which:
12831 unique CDR3
13 unique J



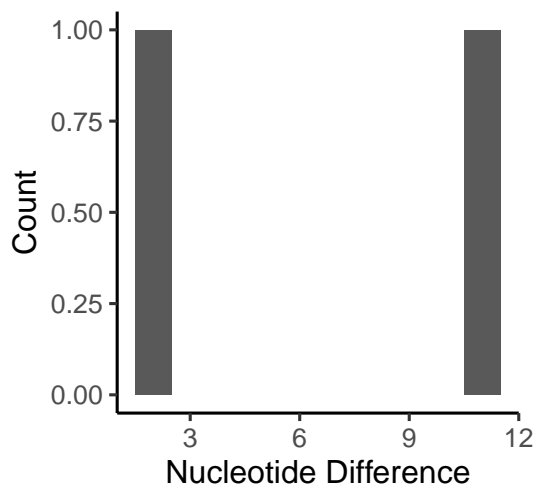
TRBV27*ap01

12766 sequences assigned
12648 (99.1%) exact matches, in which:
12354 unique CDR3
13 unique J



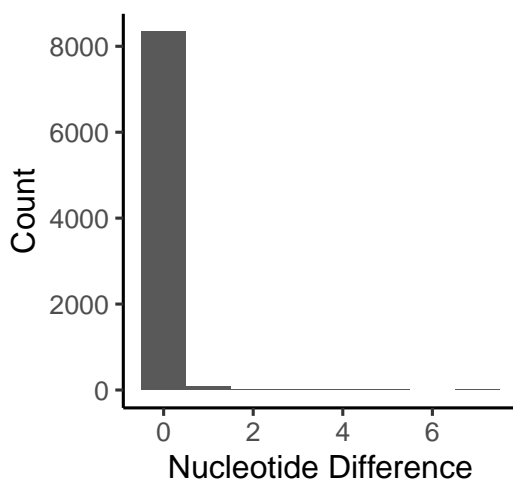
TRBV17*ap01

2 sequences assigned
No exact matches.



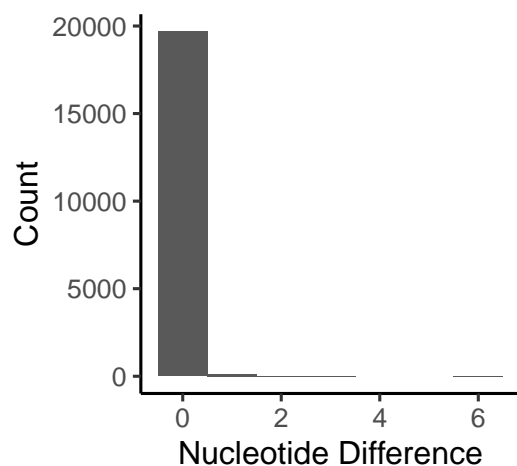
TRBV2*ap01

8436 sequences assigned
8339 (98.9%) exact matches, in which:
8081 unique CDR3
13 unique J



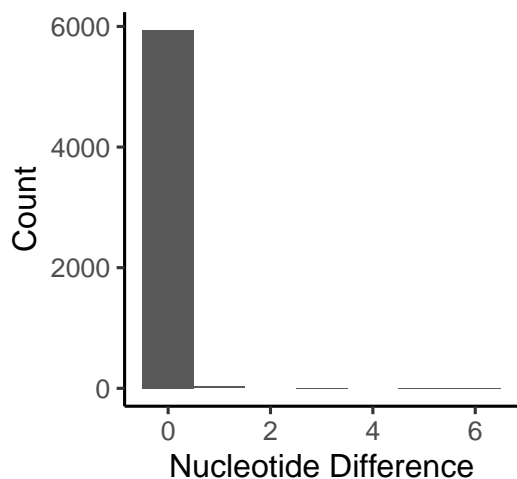
TRBV28*ap01

19828 sequences assigned
19688 (99.3%) exact matches, in which:
19368 unique CDR3
13 unique J



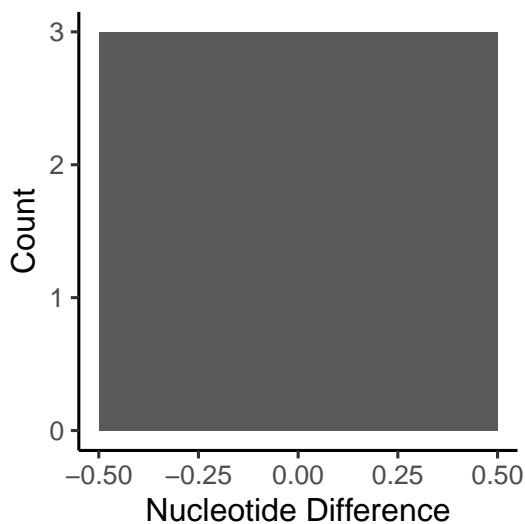
TRBV18*ap01

5973 sequences assigned
5940 (99.4%) exact matches, in which:
5865 unique CDR3
13 unique J



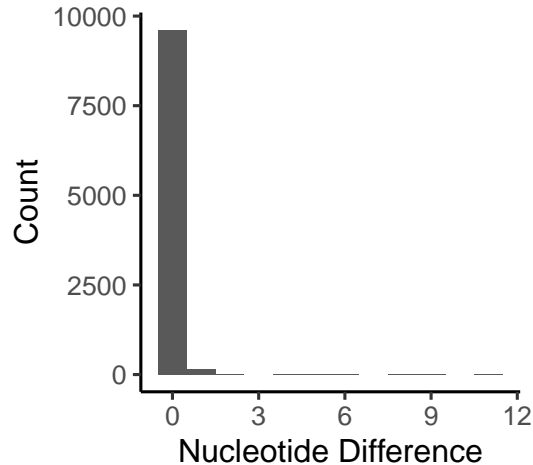
TRBV26*ap01

3 sequences assigned
3 (100%) exact matches, in which:
2 unique CDR3
2 unique J



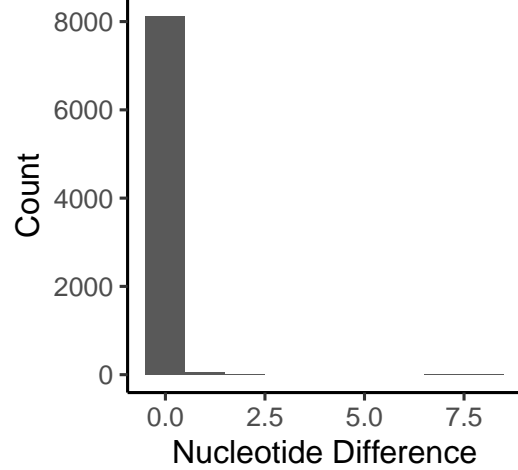
TRBV30*ap01

9786 sequences assigned
9617 (98.3%) exact matches, in which:
9117 unique CDR3
13 unique J



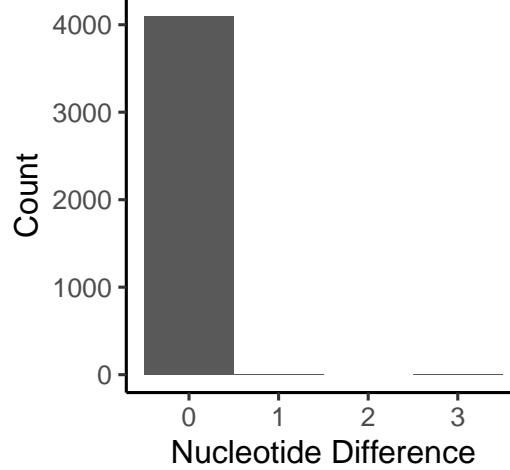
TRBV9*ap01

8186 sequences assigned
8117 (99.2%) exact matches, in which:
8009 unique CDR3
13 unique J



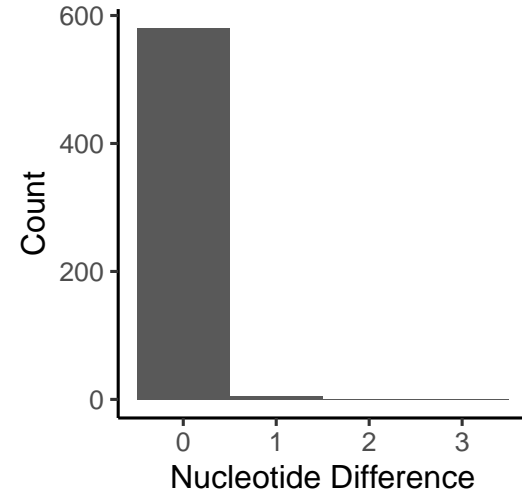
TRBV11-2*ap01

4105 sequences assigned
4095 (99.8%) exact matches, in which:
4045 unique CDR3
13 unique J



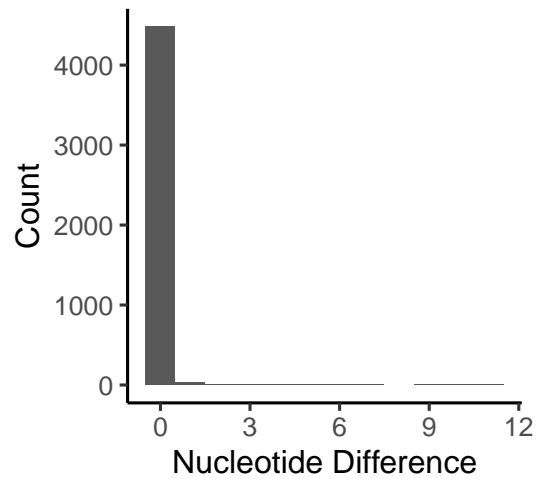
TRBV12-2*ap01

588 sequences assigned
581 (98.8%) exact matches, in which:
561 unique CDR3
13 unique J



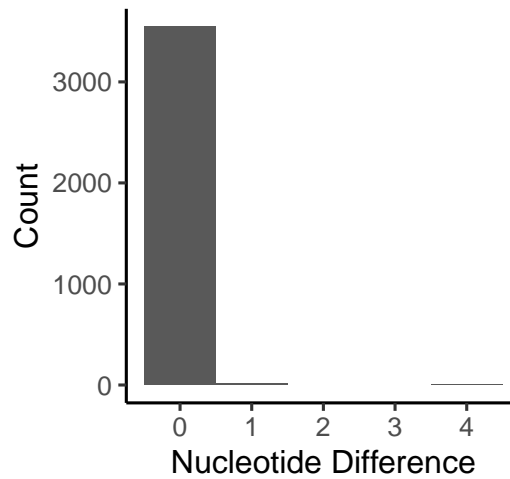
TRBV21-1*ap01

4533 sequences assigned
4480 (98.8%) exact matches, in which:
4407 unique CDR3
13 unique J



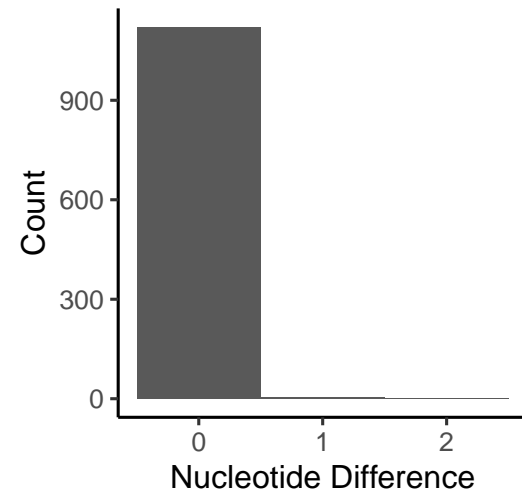
TRBV11-3*ap01

3564 sequences assigned
3546 (99.5%) exact matches, in which:
3515 unique CDR3
13 unique J



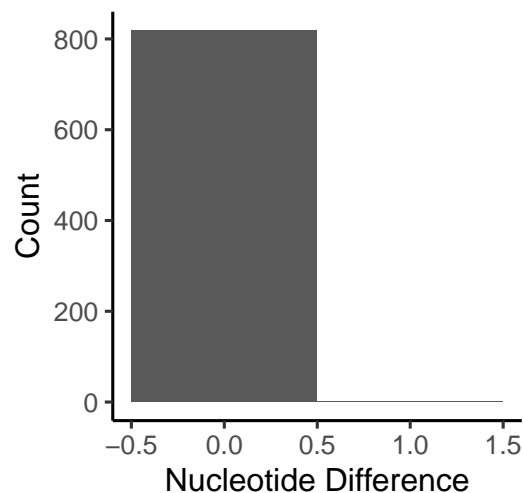
TRBV12-5*ap01

1128 sequences assigned
1121 (99.4%) exact matches, in which:
1099 unique CDR3
13 unique J



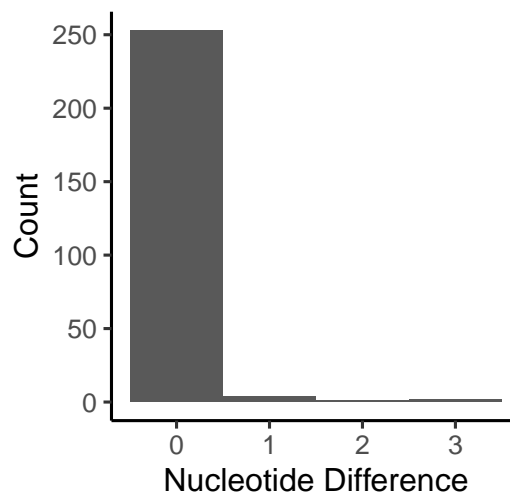
TRBV11-1*ap01

821 sequences assigned
819 (99.8%) exact matches, in which:
806 unique CDR3
13 unique J



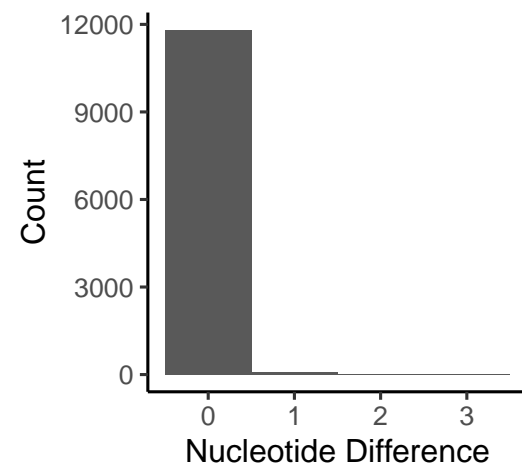
TRBV12-1*ap01

260 sequences assigned
253 (97.3%) exact matches, in which:
243 unique CDR3
13 unique J



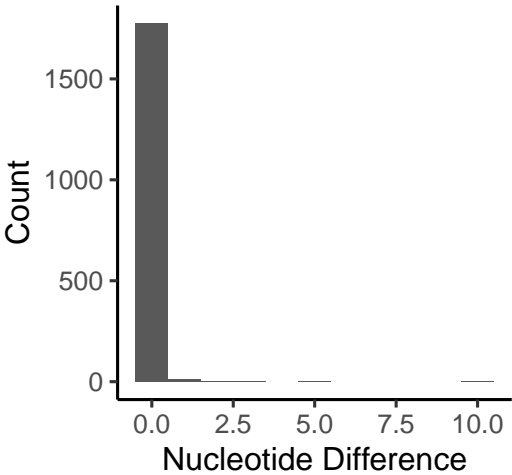
TRBV12-34*ap01

11915 sequences assigned
11815 (99.2%) exact matches, in which:
11521 unique CDR3
13 unique J



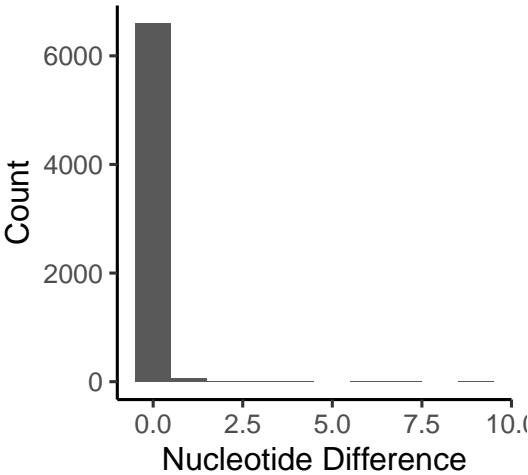
TRBV23-1*ap01

1796 sequences assigned
1775 (98.8%) exact matches, in which:
1735 unique CDR3
13 unique J



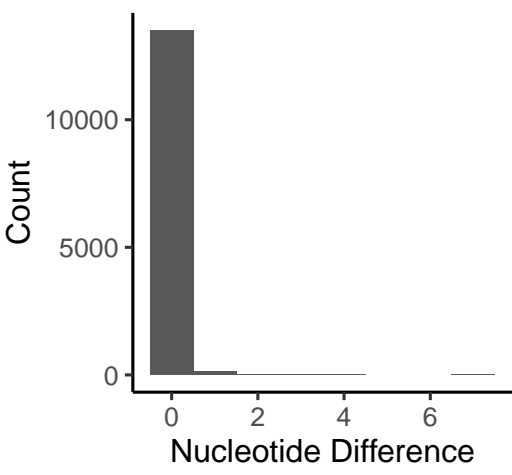
TRBV24-1*ap01

6679 sequences assigned
6597 (98.8%) exact matches, in which:
6418 unique CDR3
13 unique J



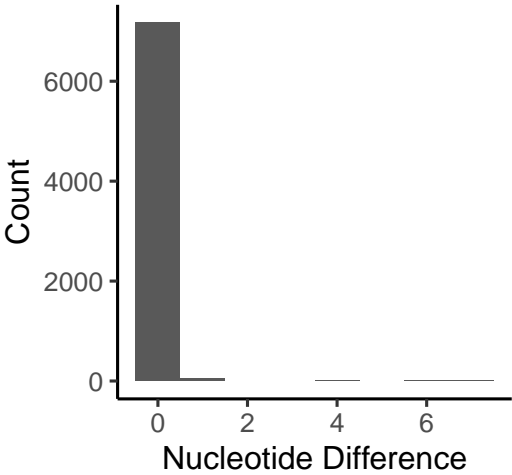
TRBV5-1*ap01

13652 sequences assigned
13508 (98.9%) exact matches, in which:
13120 unique CDR3
13 unique J



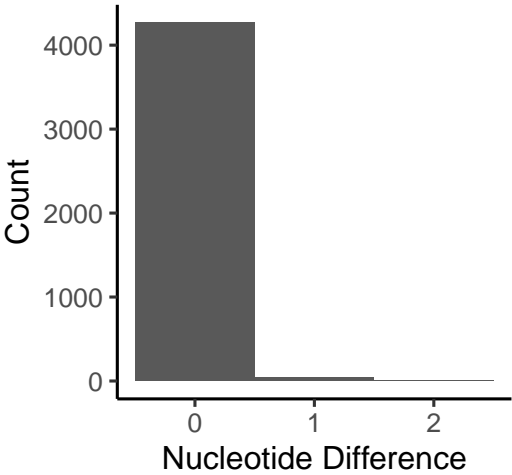
TRBV3-12*ap01

7227 sequences assigned
7171 (99.2%) exact matches, in which:
7058 unique CDR3
13 unique J



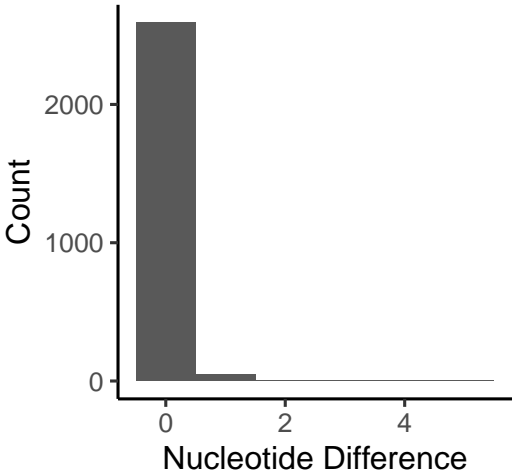
TRBV4-2*ap01

4307 sequences assigned
4267 (99.1%) exact matches, in which:
4141 unique CDR3
13 unique J



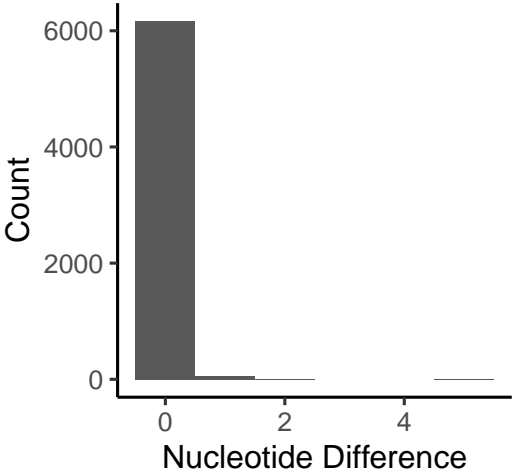
TRBV25-1*ap01

2640 sequences assigned
2591 (98.1%) exact matches, in which:
2456 unique CDR3
13 unique J



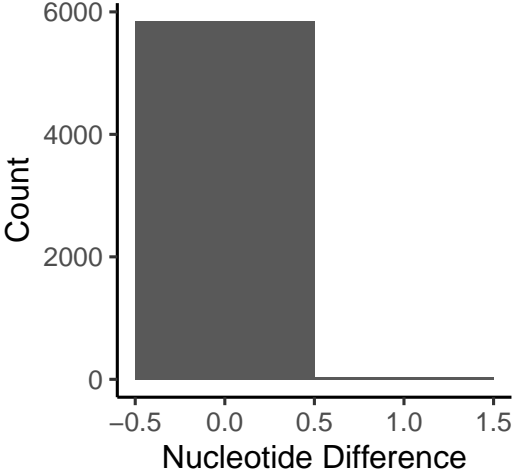
TRBV4-1*ap01

6232 sequences assigned
6167 (99%) exact matches, in which:
5972 unique CDR3
13 unique J



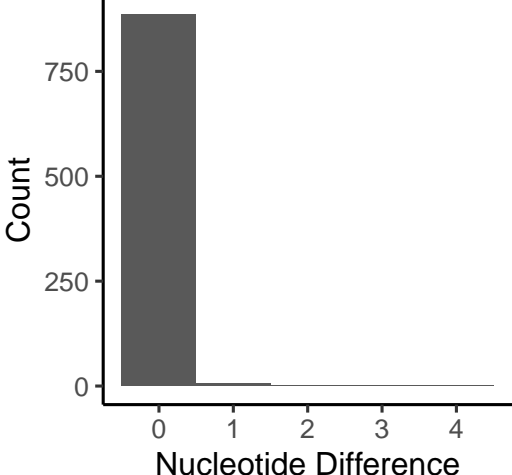
TRBV4-3*ap01

5890 sequences assigned
5850 (99.3%) exact matches, in which:
5716 unique CDR3
13 unique J



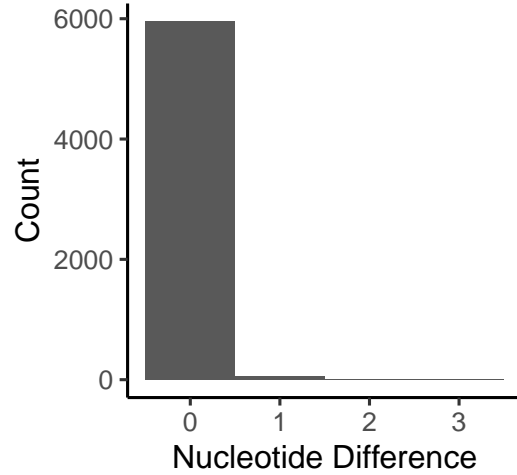
TRBV5-3*ap01

895 sequences assigned
886 (99%) exact matches, in which:
869 unique CDR3
13 unique J



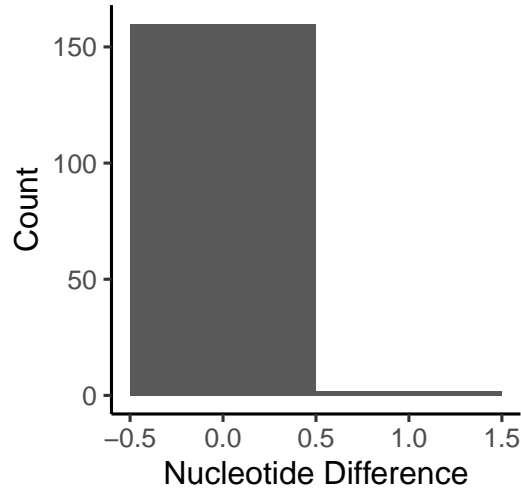
TRBV5-4*ap01

6012 sequences assigned
5955 (99.1%) exact matches, in which:
5776 unique CDR3
13 unique J



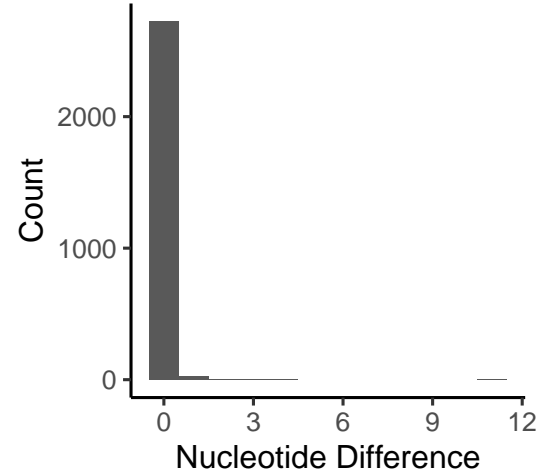
TRBV5-7*ap01

162 sequences assigned
160 (98.8%) exact matches, in which:
150 unique CDR3
13 unique J



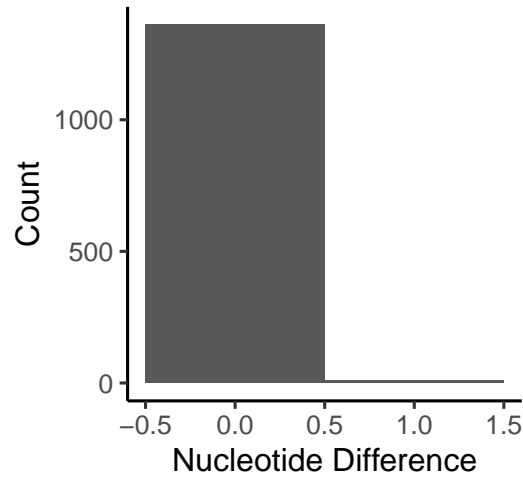
TRBV6-4*ap01

2758 sequences assigned
2724 (98.8%) exact matches, in which:
2664 unique CDR3
14 unique J



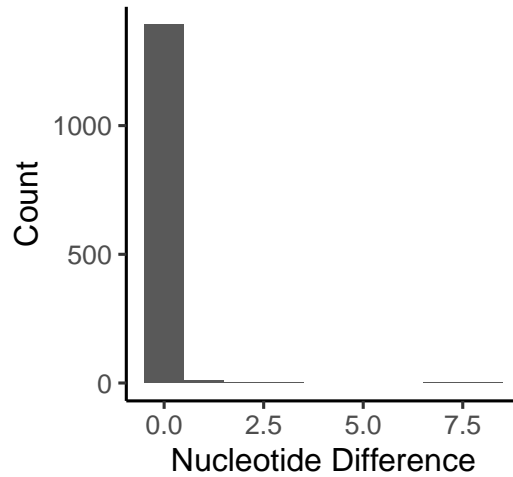
TRBV5-5*ap01

1370 sequences assigned
1361 (99.3%) exact matches, in which:
1352 unique CDR3
13 unique J



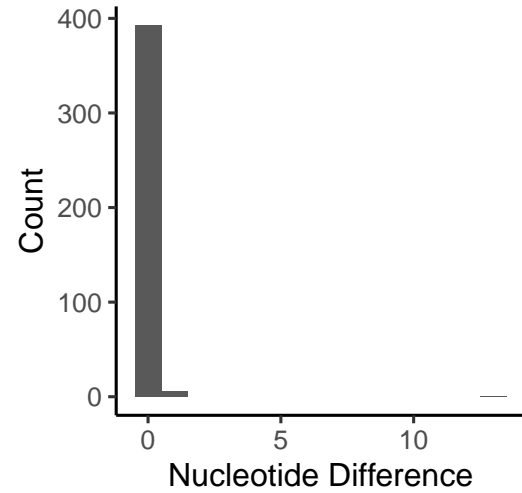
TRBV5-8*ap01

1406 sequences assigned
1392 (99%) exact matches, in which:
1354 unique CDR3
13 unique J



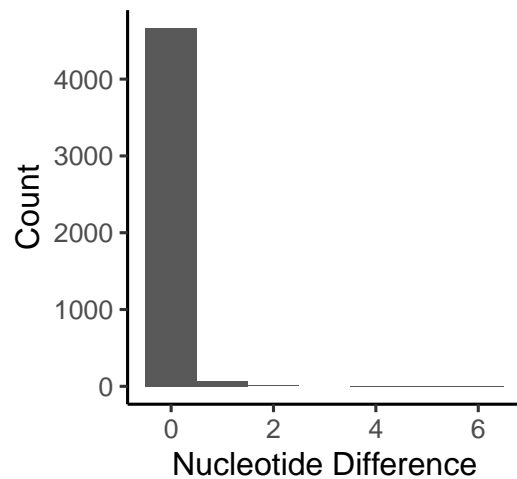
TRBV6-7*ap01

400 sequences assigned
393 (98.2%) exact matches, in which:
372 unique CDR3
13 unique J



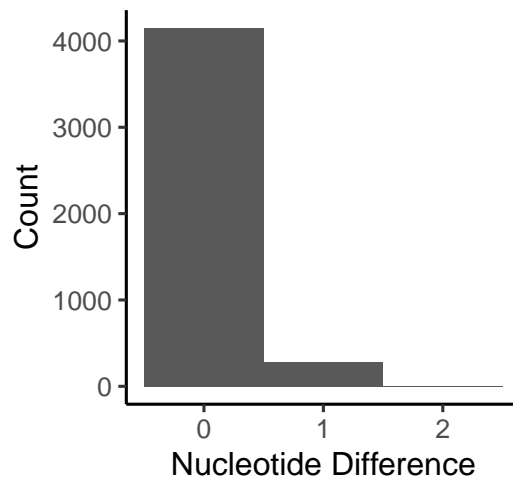
TRBV5-6*ap01

4758 sequences assigned
4665 (98%) exact matches, in which:
4485 unique CDR3
13 unique J



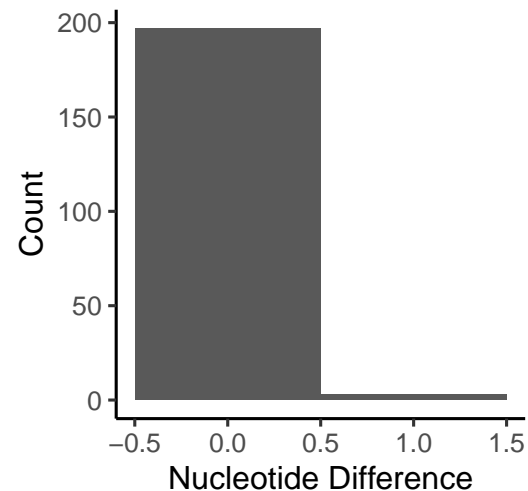
TRBV6-1*ap01

4434 sequences assigned
4149 (93.6%) exact matches, in which:
3996 unique CDR3
13 unique J



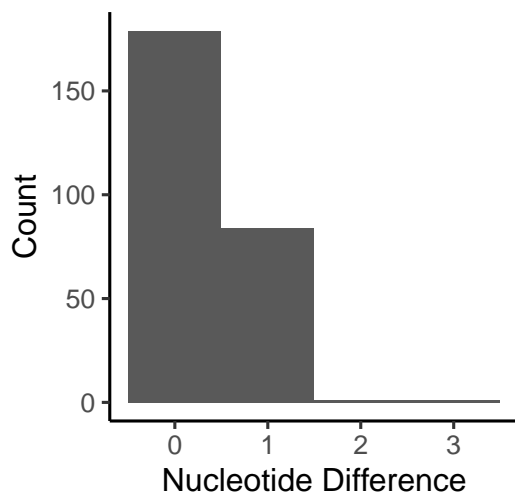
TRBV6-8*ap01

200 sequences assigned
197 (98.5%) exact matches, in which:
183 unique CDR3
13 unique J



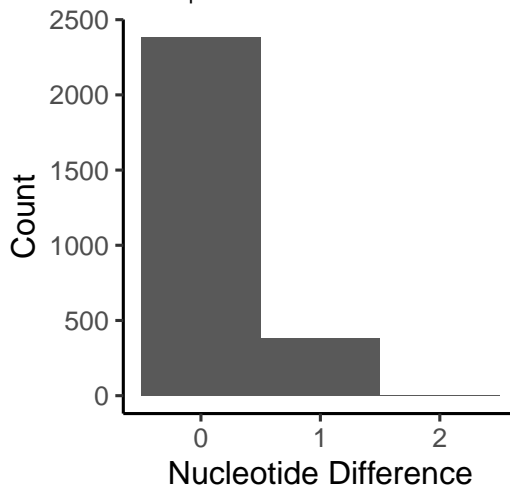
TRBV6-9*ap01

265 sequences assigned
179 (67.5%) exact matches, in which:
166 unique CDR3
13 unique J



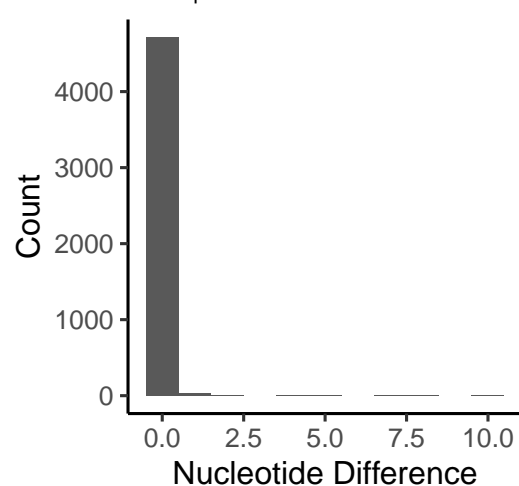
TRBV6-56*ap02

2765 sequences assigned
2382 (86.1%) exact matches, in which:
2298 unique CDR3
13 unique J



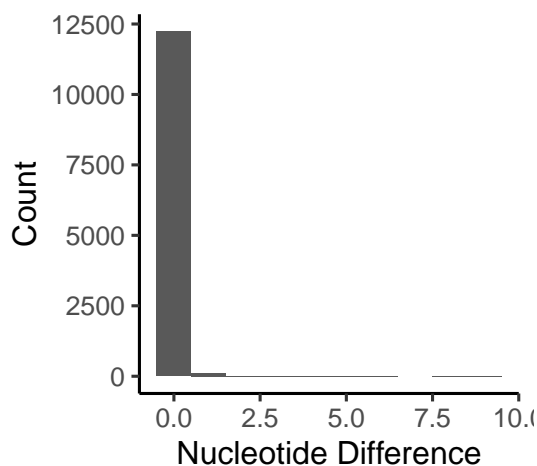
TRBV7-3*ap01

4755 sequences assigned
4713 (99.1%) exact matches, in which:
4662 unique CDR3
13 unique J



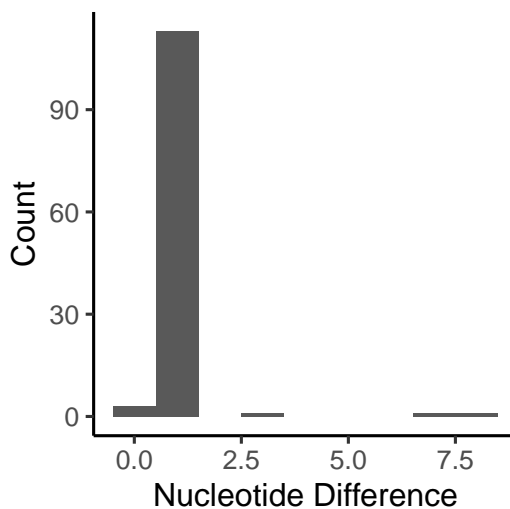
TRBV6-23*ap01

12363 sequences assigned
12235 (99%) exact matches, in which:
11637 unique CDR3
13 unique J



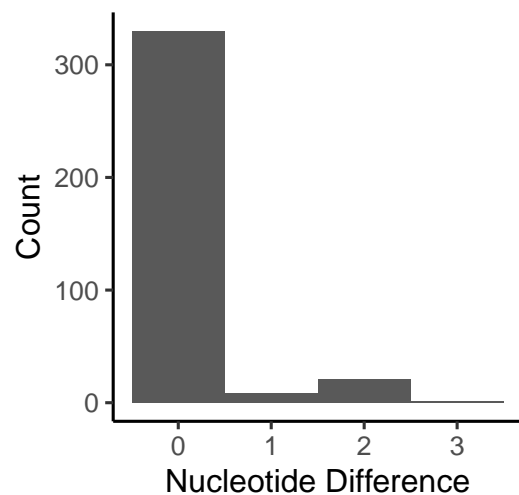
TRBV7-1*ap01_T296C

119 sequences assigned
3 (2.5%) exact matches, in which:
3 unique CDR3
2 unique J



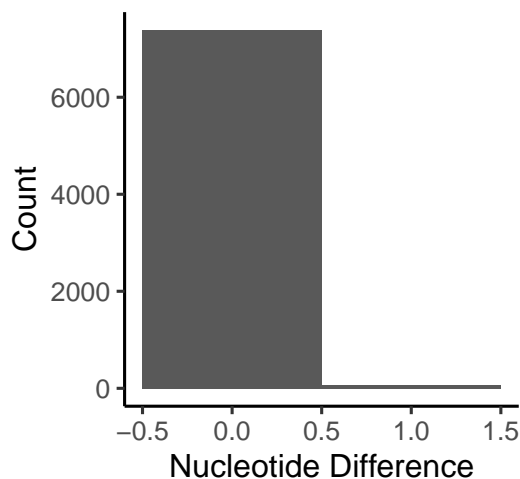
TRBV7-4*ap01

360 sequences assigned
330 (91.7%) exact matches, in which:
320 unique CDR3
13 unique J



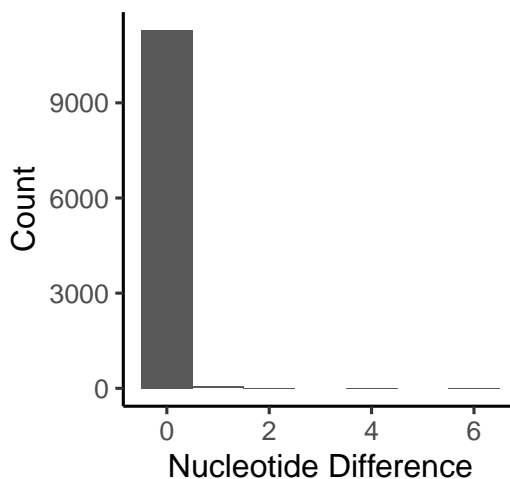
TRBV6-56*ap01

7451 sequences assigned
7385 (99.1%) exact matches, in which:
7074 unique CDR3
13 unique J



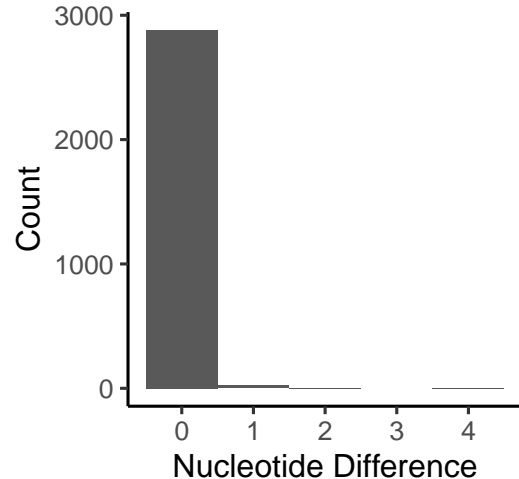
TRBV7-2*ap01

11350 sequences assigned
11295 (99.5%) exact matches, in which:
11058 unique CDR3
13 unique J



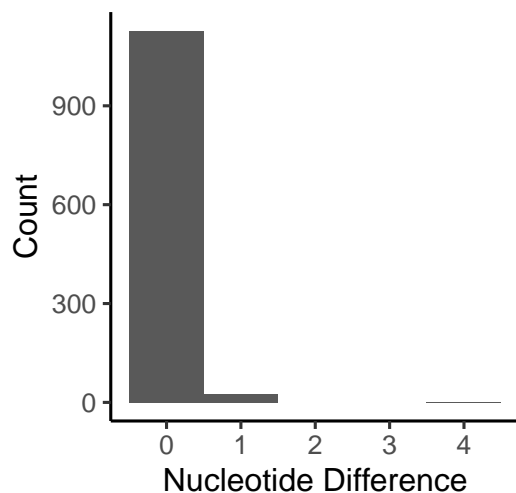
TRBV7-6*ap01

2906 sequences assigned
2881 (99.1%) exact matches, in which:
2815 unique CDR3
13 unique J



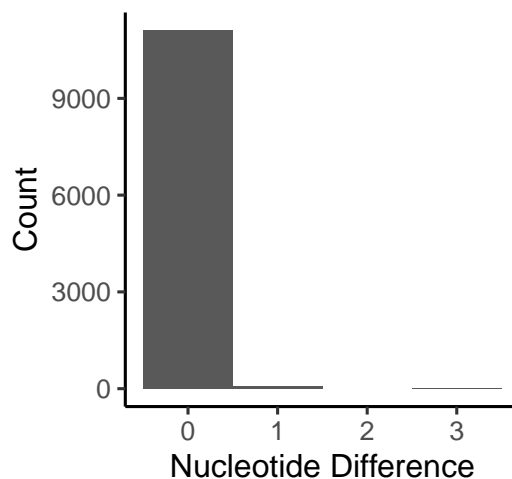
TRBV7-7*ap01_C315T

1154 sequences assigned
1128 (97.7%) exact matches, in which:
1087 unique CDR3
13 unique J



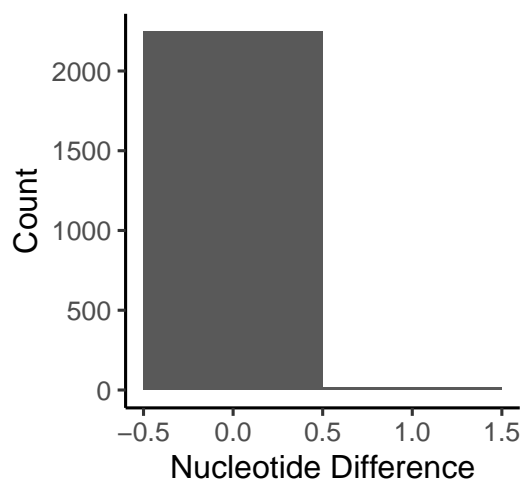
TRBV7-9*ap01

11185 sequences assigned
11107 (99.3%) exact matches, in which:
10868 unique CDR3
13 unique J



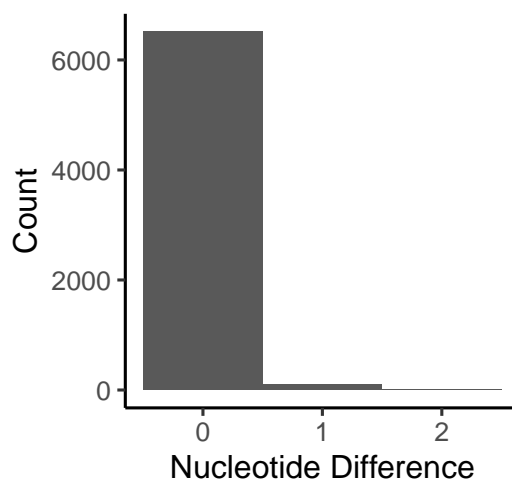
TRBV7-8*ap01

2263 sequences assigned
2246 (99.2%) exact matches, in which:
2187 unique CDR3
13 unique J



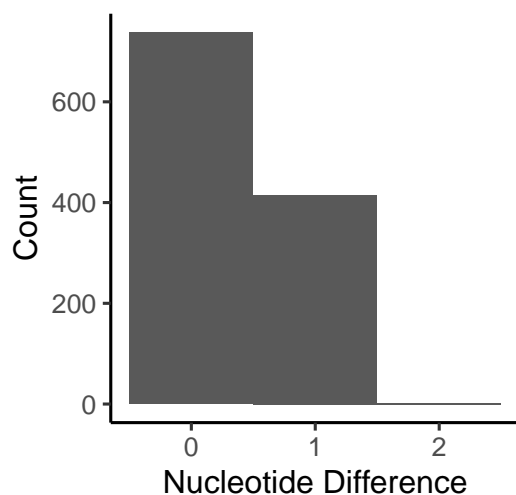
TRBV29-1*ap01

6612 sequences assigned
6513 (98.5%) exact matches, in which:
6159 unique CDR3
13 unique J



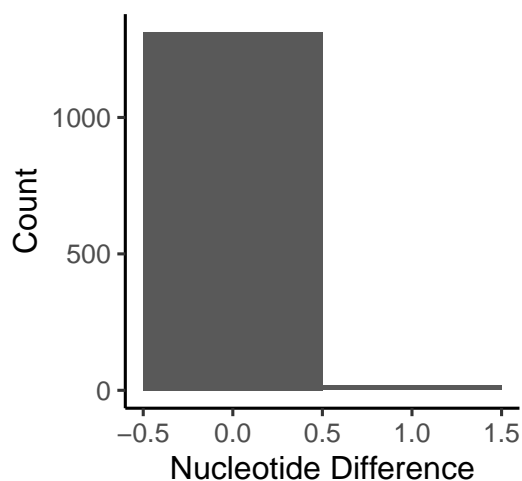
TRBV7-8*ap03

1155 sequences assigned
738 (63.9%) exact matches, in which:
732 unique CDR3
13 unique J

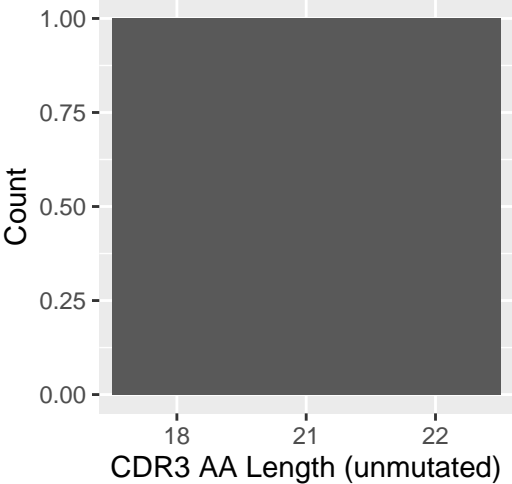


TRBV29-1*ap02

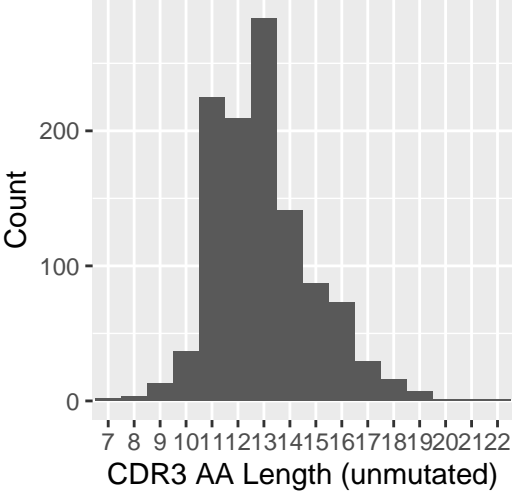
1331 sequences assigned
1313 (98.6%) exact matches, in which:
1230 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]