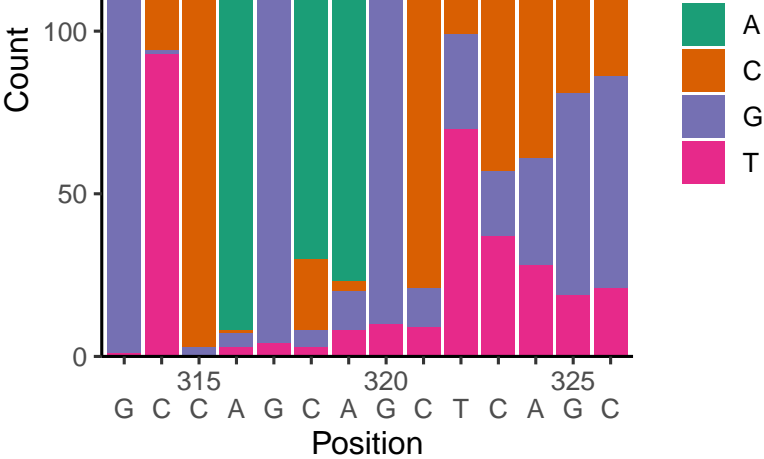
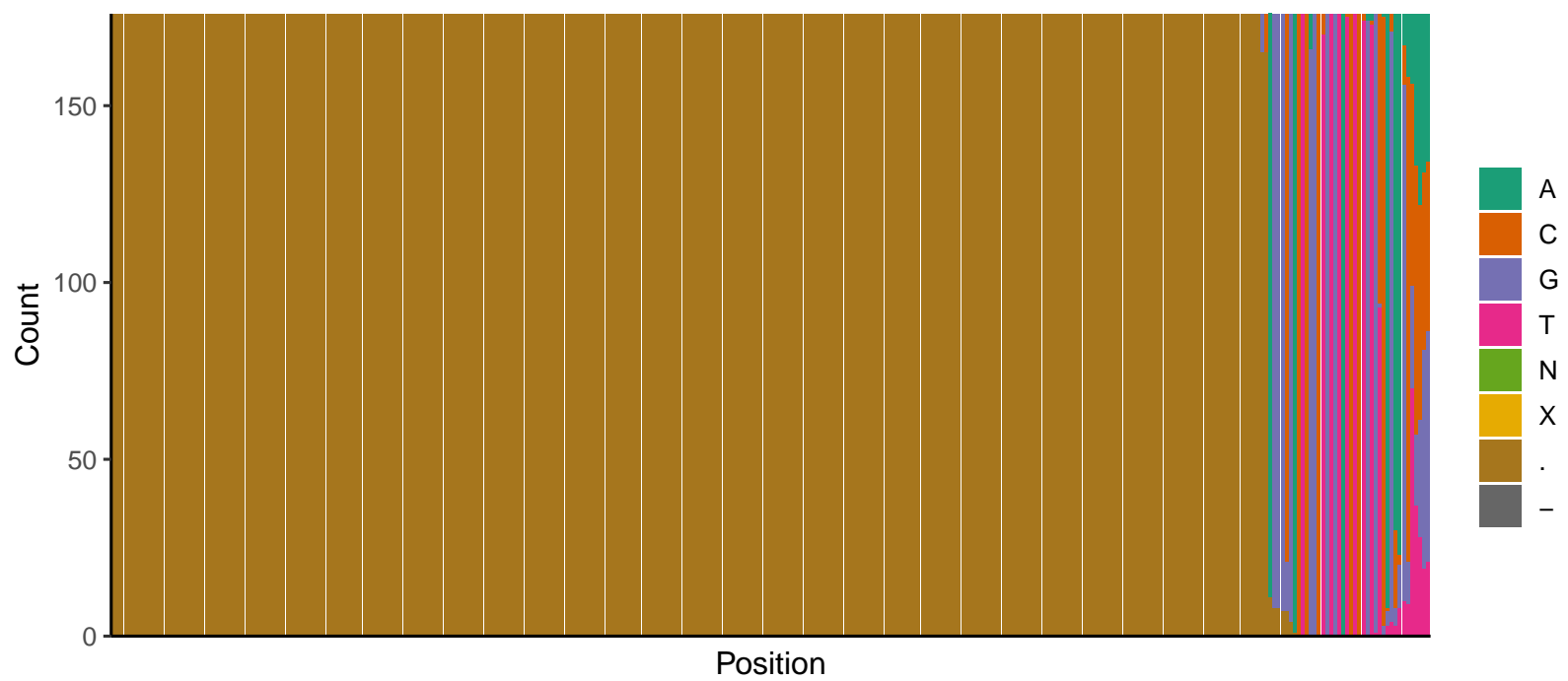


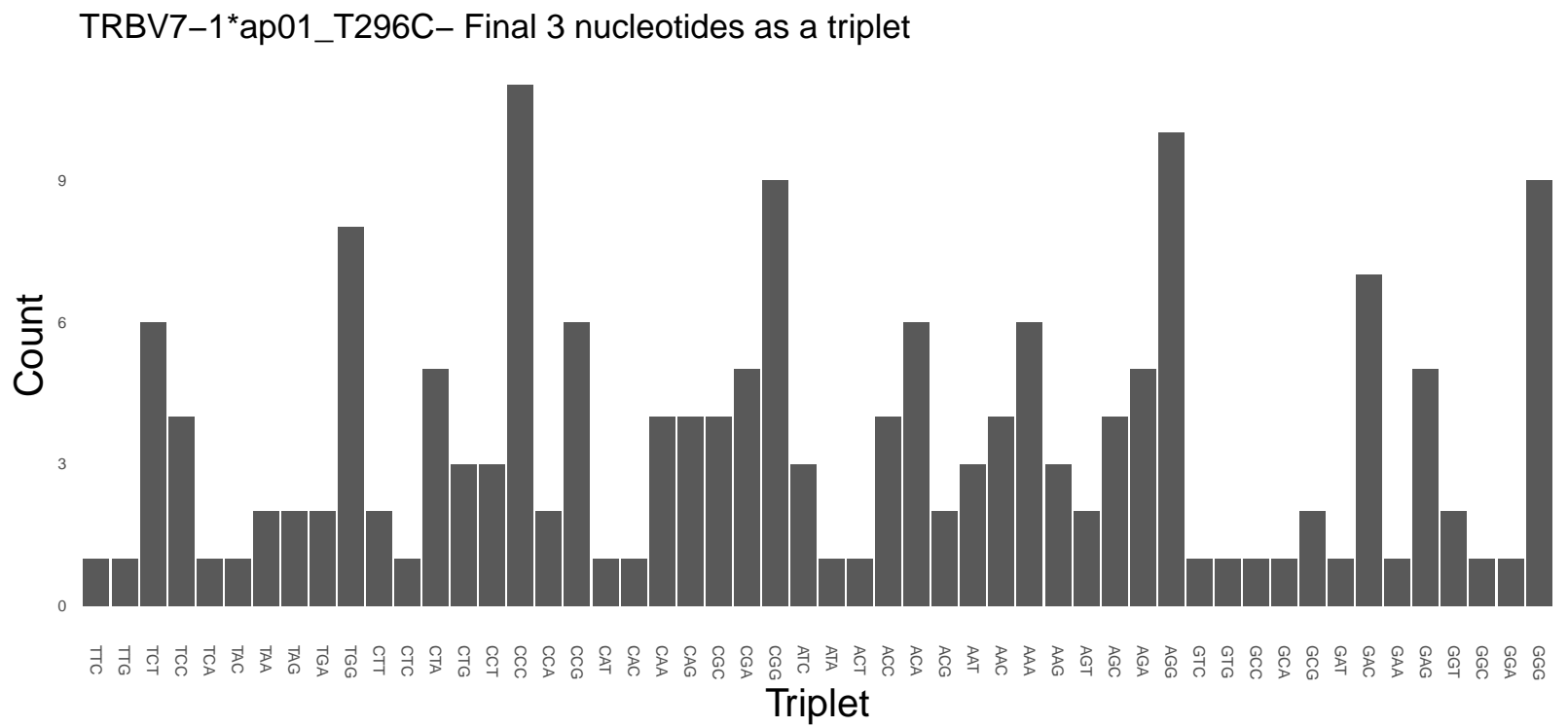
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C

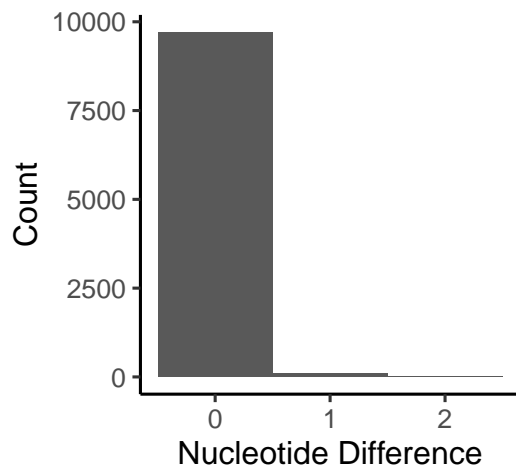


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



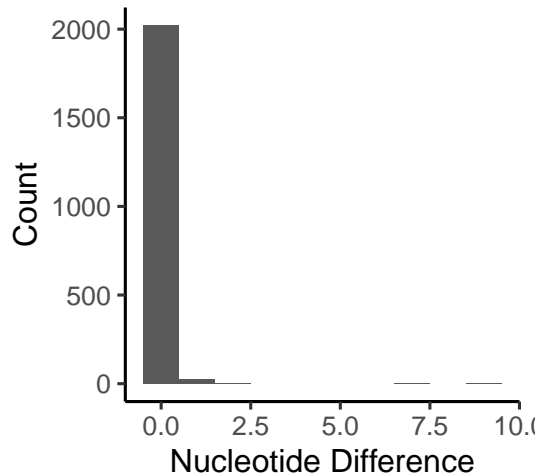
TRBV20-1*ap01

9813 sequences assigned
9708 (98.9%) exact matches, in which:
9582 unique CDR3
13 unique J



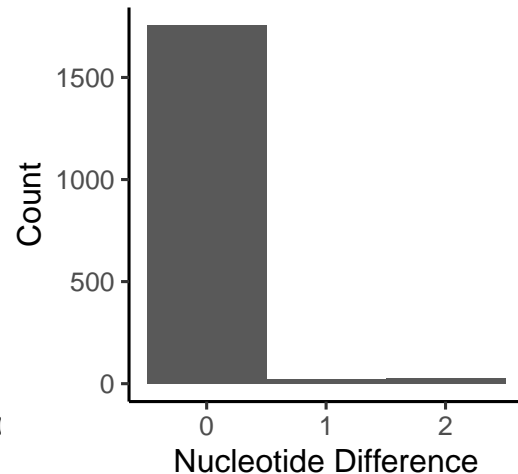
TRBV10-2*ap01

2052 sequences assigned
2021 (98.5%) exact matches, in which:
1978 unique CDR3
13 unique J



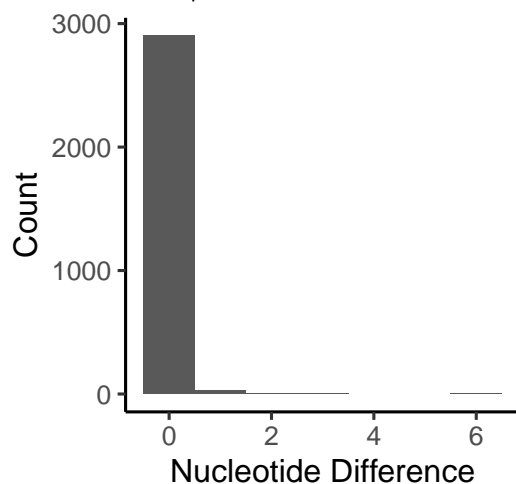
TRBV13*ap01

1803 sequences assigned
1755 (97.3%) exact matches, in which:
1719 unique CDR3
13 unique J



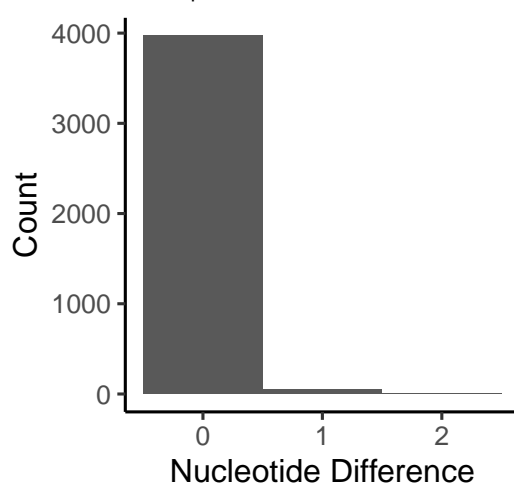
TRBV10-1*ap01

2937 sequences assigned
2902 (98.8%) exact matches, in which:
2849 unique CDR3
13 unique J



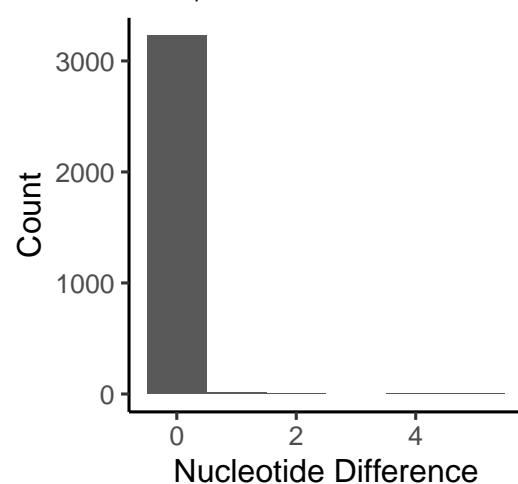
TRBV10-3*ap01

4024 sequences assigned
3971 (98.7%) exact matches, in which:
3886 unique CDR3
13 unique J



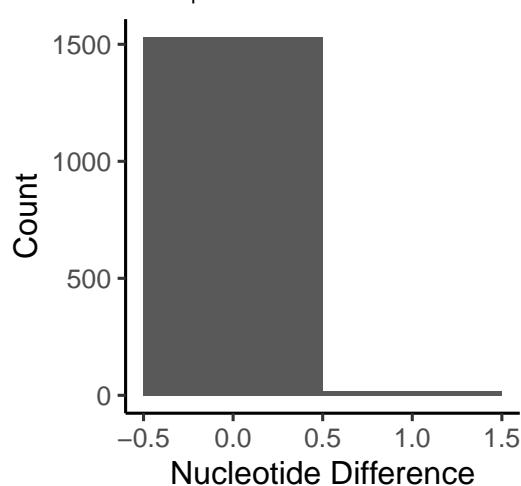
TRBV14*ap01

3247 sequences assigned
3227 (99.4%) exact matches, in which:
3196 unique CDR3
13 unique J



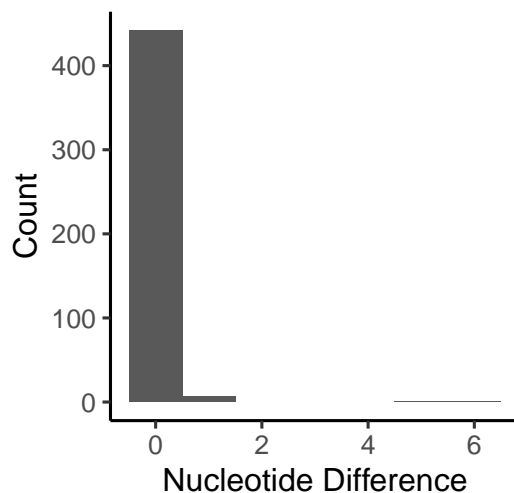
TRBV20-1*ap02

1549 sequences assigned
1531 (98.8%) exact matches, in which:
1508 unique CDR3
13 unique J



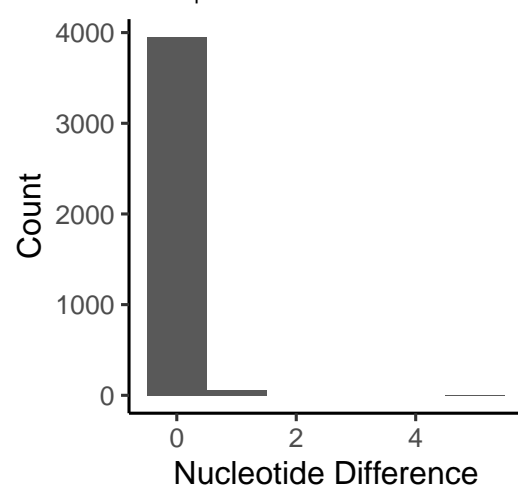
TRBV1*ap01

451 sequences assigned
442 (98%) exact matches, in which:
437 unique CDR3
13 unique J



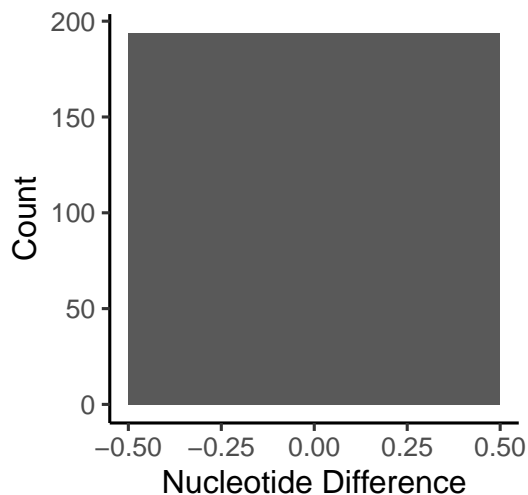
TRBV15*ap02

4008 sequences assigned
3951 (98.6%) exact matches, in which:
3886 unique CDR3
13 unique J



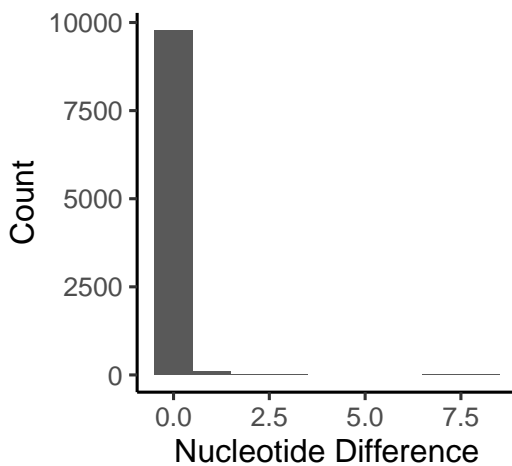
TRBV16*ap01

194 sequences assigned
194 (100%) exact matches, in which:
192 unique CDR3
13 unique J



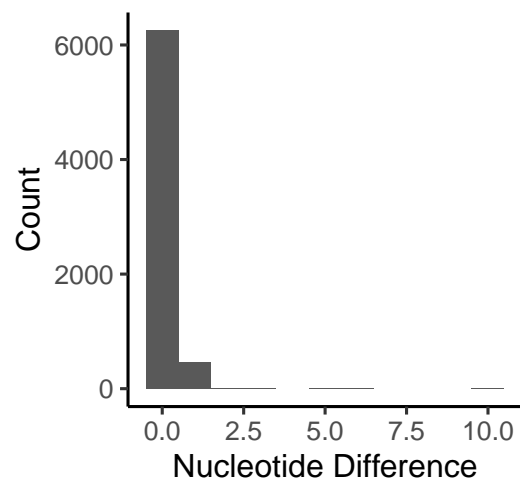
TRBV2*ap01

9898 sequences assigned
9783 (98.8%) exact matches, in which:
9609 unique CDR3
13 unique J



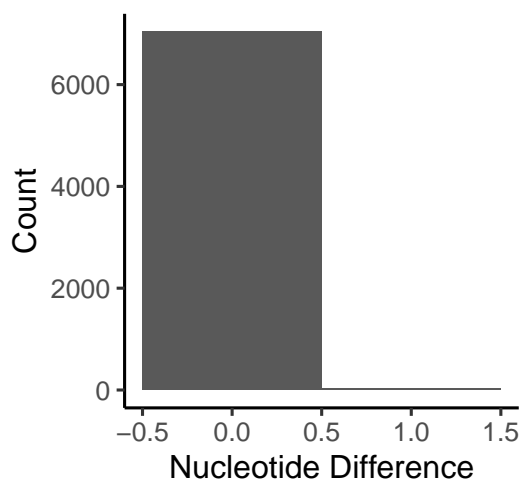
TRBV30*ap01

6743 sequences assigned
6254 (92.7%) exact matches, in which:
6176 unique CDR3
13 unique J



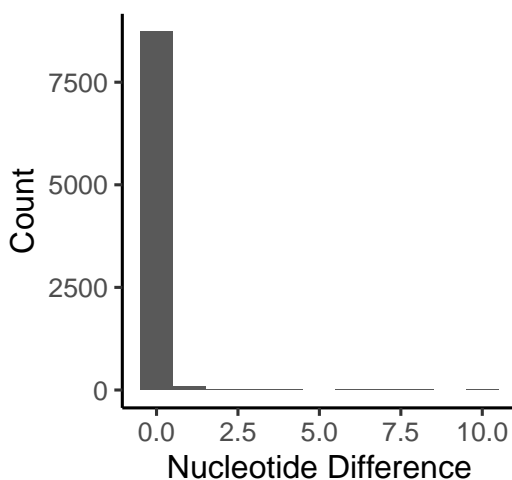
TRBV18*ap01

7072 sequences assigned
7039 (99.5%) exact matches, in which:
6981 unique CDR3
13 unique J



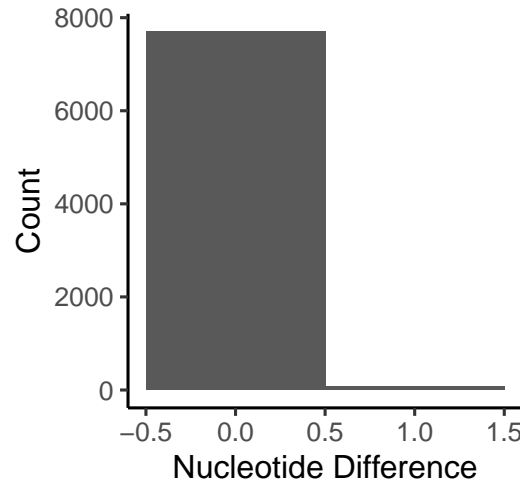
TRBV27*ap01

8838 sequences assigned
8730 (98.8%) exact matches, in which:
8563 unique CDR3
13 unique J



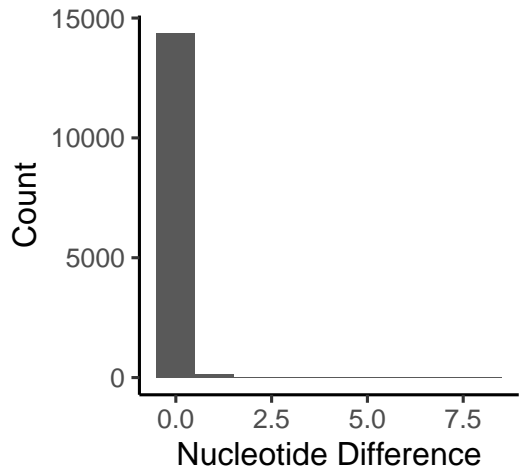
TRBV9*ap01

7769 sequences assigned
7698 (99.1%) exact matches, in which:
7596 unique CDR3
13 unique J



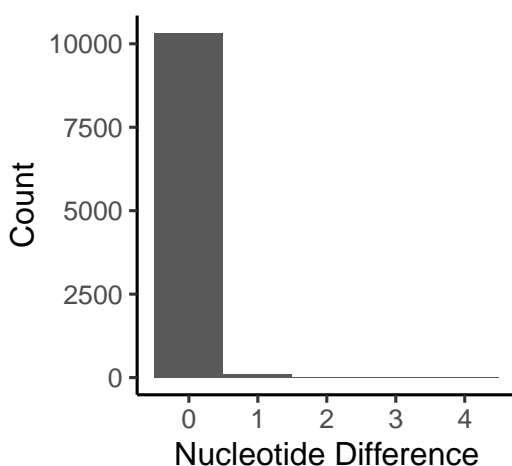
TRBV19*ap01

14525 sequences assigned
14385 (99%) exact matches, in which:
14264 unique CDR3
14 unique J



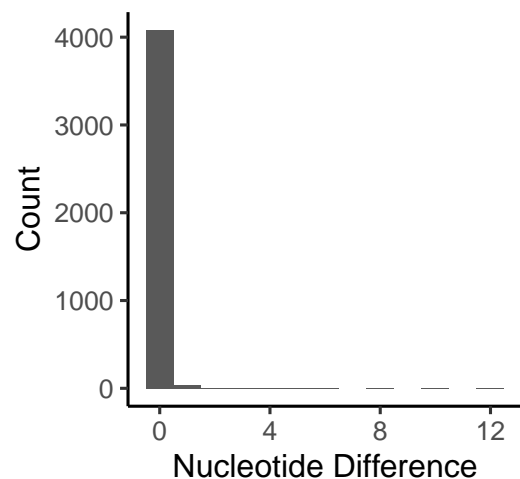
TRBV28*ap01

10430 sequences assigned
10330 (99%) exact matches, in which:
10205 unique CDR3
13 unique J



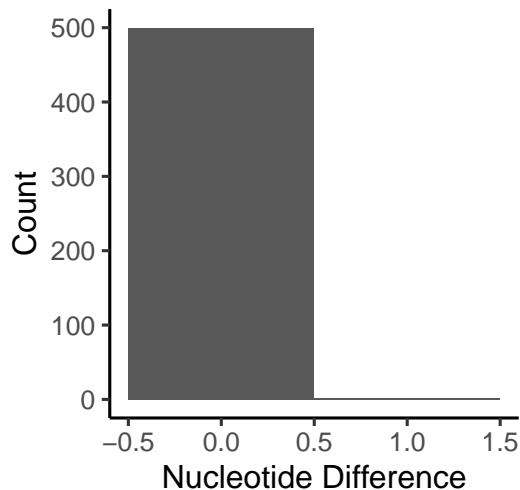
TRBV21-1*ap01

4135 sequences assigned
4081 (98.7%) exact matches, in which:
4032 unique CDR3
13 unique J



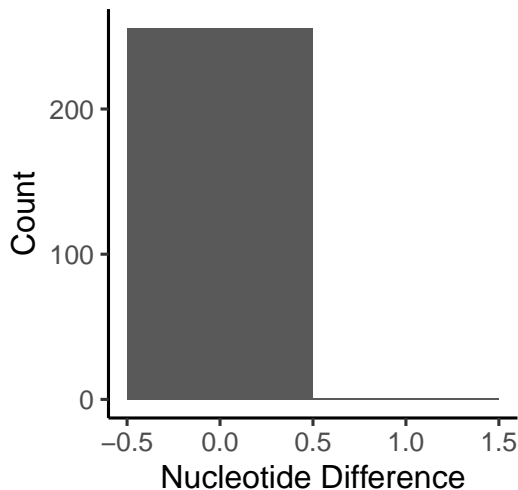
TRBV11-1*ap01

502 sequences assigned
500 (99.6%) exact matches, in which:
486 unique CDR3
13 unique J



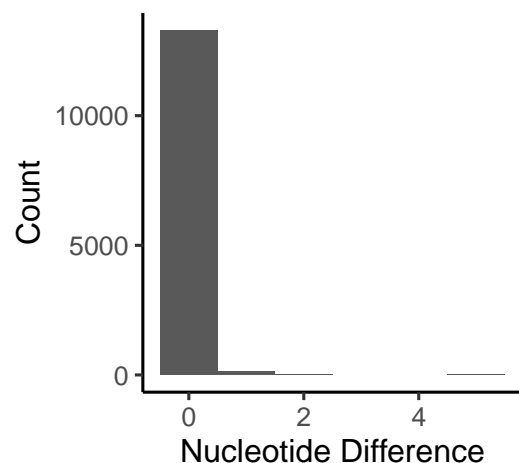
TRBV12-1*ap01

257 sequences assigned
256 (99.6%) exact matches, in which:
254 unique CDR3
13 unique J



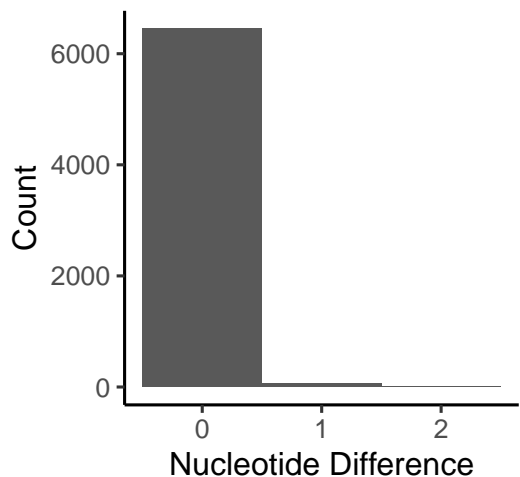
TRBV12-34*ap01

13445 sequences assigned
13298 (98.9%) exact matches, in which:
13076 unique CDR3
13 unique J



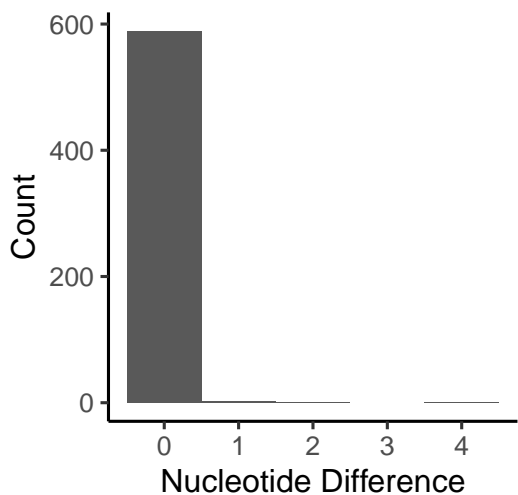
TRBV11-2*ap01

6514 sequences assigned
6450 (99%) exact matches, in which:
6357 unique CDR3
13 unique J



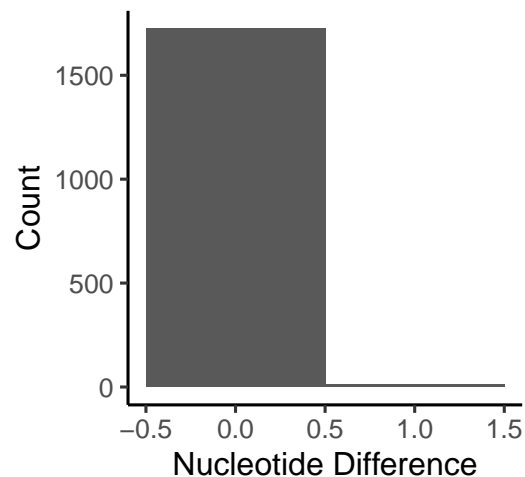
TRBV12-2*ap01

594 sequences assigned
589 (99.2%) exact matches, in which:
584 unique CDR3
13 unique J



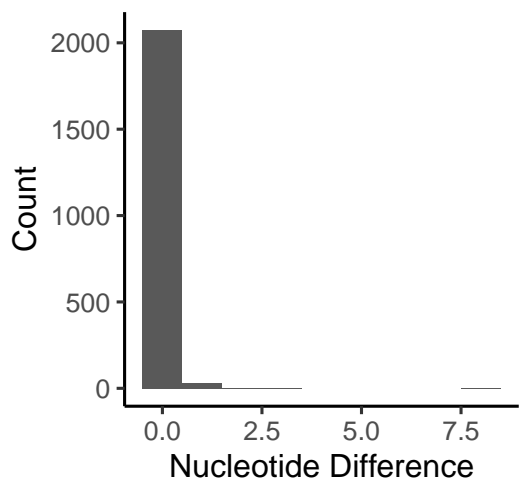
TRBV23-1*ap01

1738 sequences assigned
1724 (99.2%) exact matches, in which:
1701 unique CDR3
14 unique J



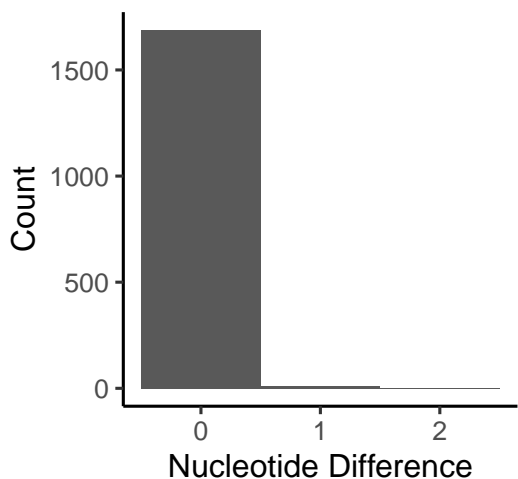
TRBV11-3*ap01

2108 sequences assigned
2074 (98.4%) exact matches, in which:
2044 unique CDR3
13 unique J



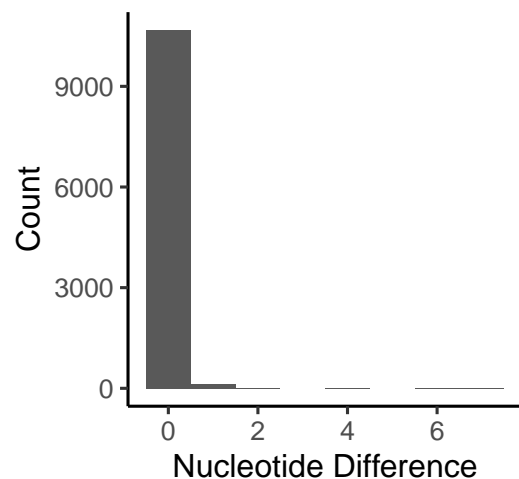
TRBV12-5*ap01

1700 sequences assigned
1688 (99.3%) exact matches, in which:
1664 unique CDR3
13 unique J



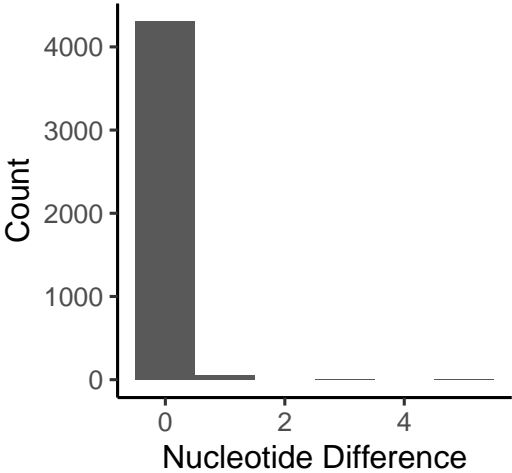
TRBV3-12*ap01

10815 sequences assigned
10678 (98.7%) exact matches, in which:
10510 unique CDR3
13 unique J



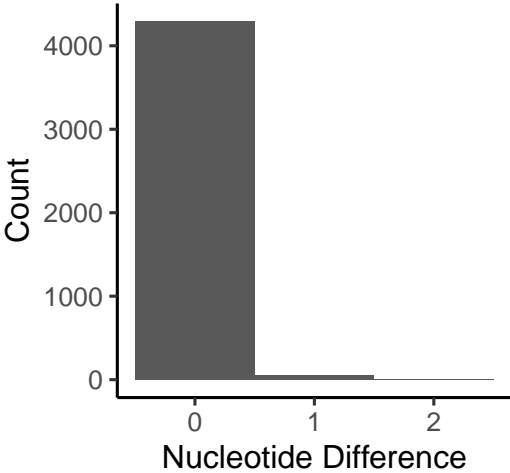
TRBV24-1*ap01

4365 sequences assigned
4306 (98.6%) exact matches, in which:
4244 unique CDR3
13 unique J



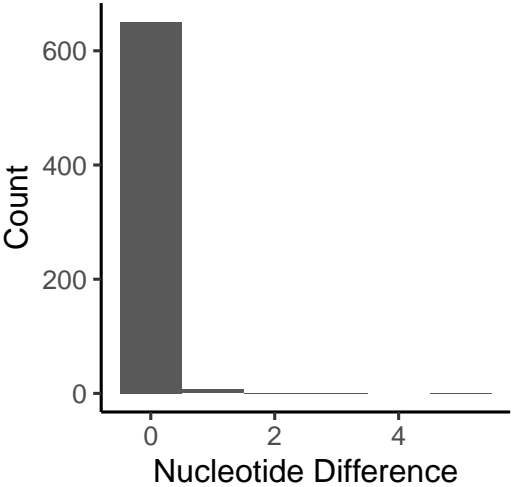
TRBV4-3*ap01

4345 sequences assigned
4292 (98.8%) exact matches, in which:
4216 unique CDR3
13 unique J



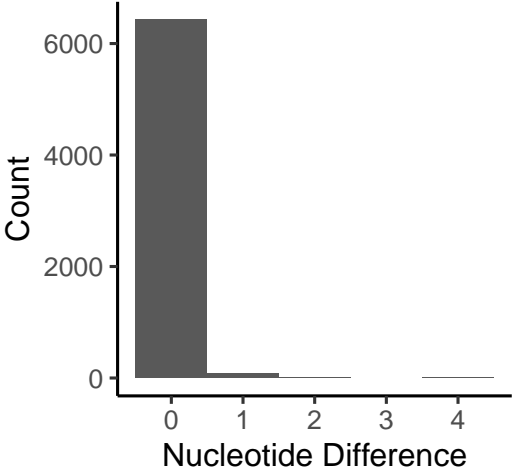
TRBV5-3*ap01

661 sequences assigned
651 (98.5%) exact matches, in which:
644 unique CDR3
13 unique J



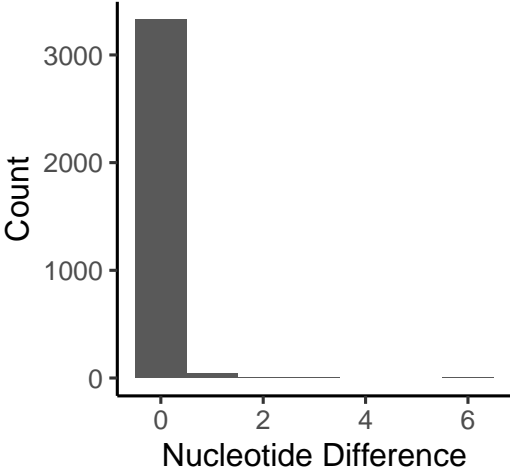
TRBV4-1*ap01

6504 sequences assigned
6427 (98.8%) exact matches, in which:
6324 unique CDR3
13 unique J



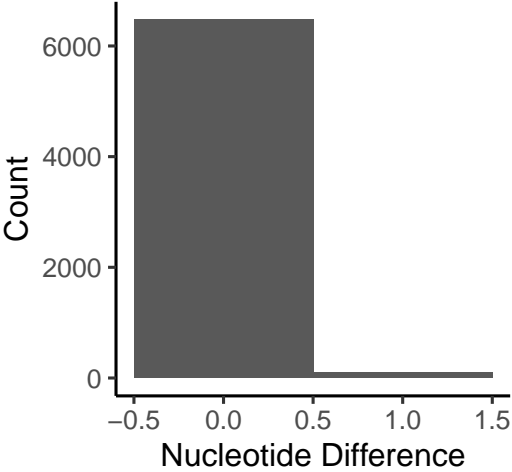
TRBV25-1*ap01

3371 sequences assigned
3327 (98.7%) exact matches, in which:
3289 unique CDR3
13 unique J



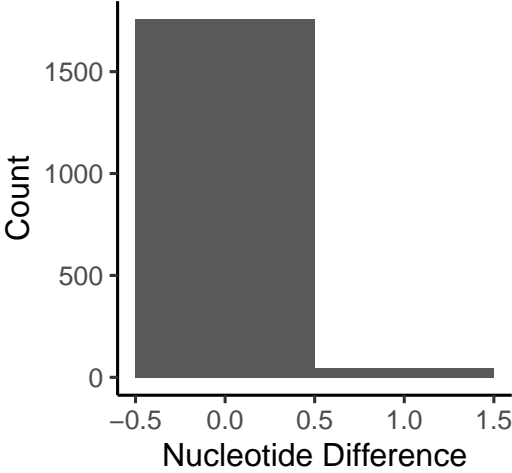
TRBV5-4*ap01

6573 sequences assigned
6474 (98.5%) exact matches, in which:
6348 unique CDR3
13 unique J



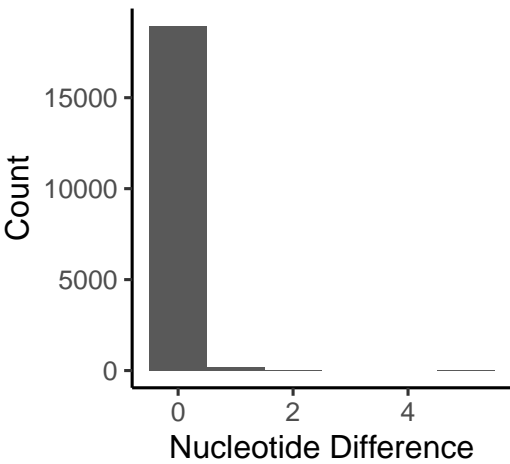
TRBV4-2*ap01

1803 sequences assigned
1758 (97.5%) exact matches, in which:
1736 unique CDR3
13 unique J



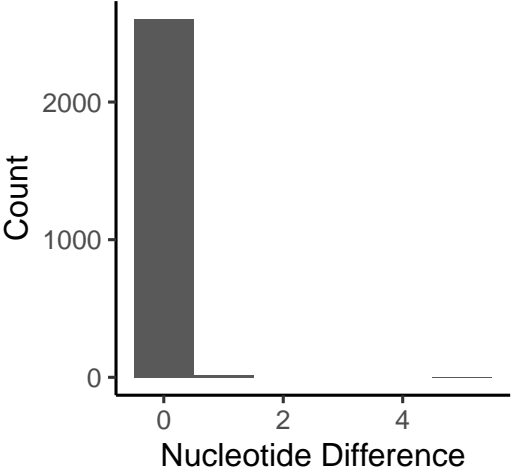
TRBV5-1*ap01

19141 sequences assigned
18952 (99%) exact matches, in which:
18560 unique CDR3
13 unique J



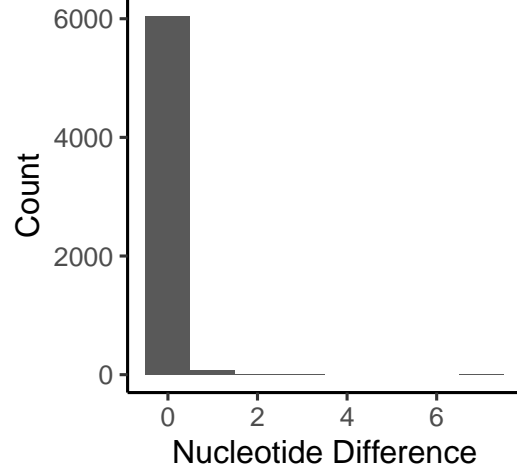
TRBV5-5*ap01

2622 sequences assigned
2603 (99.3%) exact matches, in which:
2579 unique CDR3
13 unique J



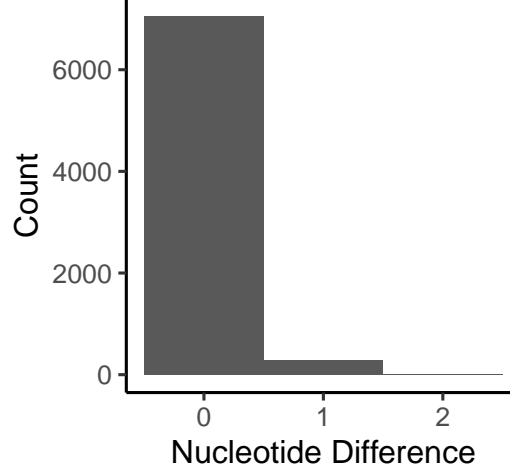
TRBV5-6*ap01

6124 sequences assigned
6039 (98.6%) exact matches, in which:
5898 unique CDR3
13 unique J



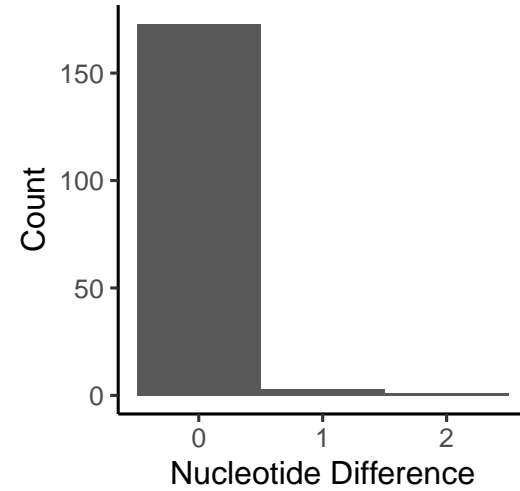
TRBV6-1*ap01

7335 sequences assigned
7049 (96.1%) exact matches, in which:
6920 unique CDR3
13 unique J



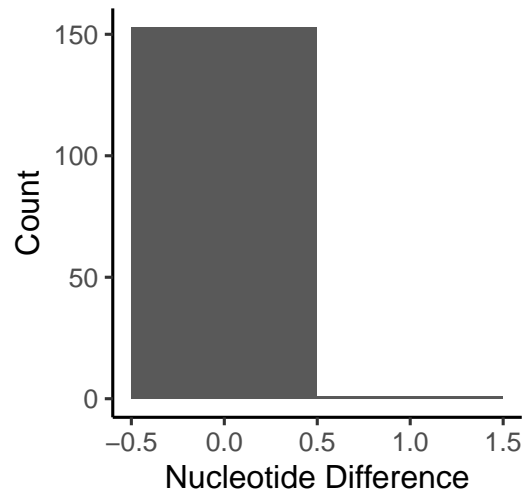
TRBV6-8*ap01

177 sequences assigned
173 (97.7%) exact matches, in which:
171 unique CDR3
13 unique J



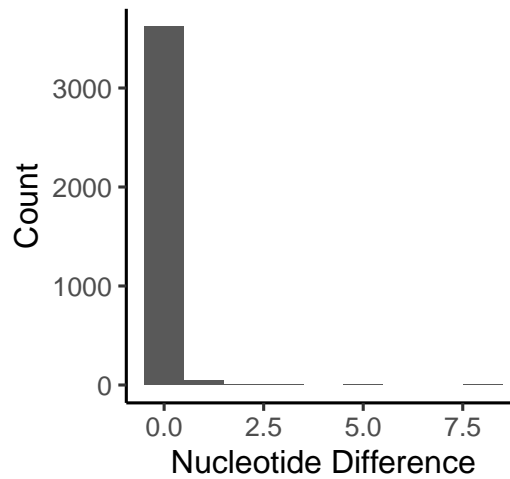
TRBV5-7*ap01

154 sequences assigned
153 (99.4%) exact matches, in which:
151 unique CDR3
13 unique J



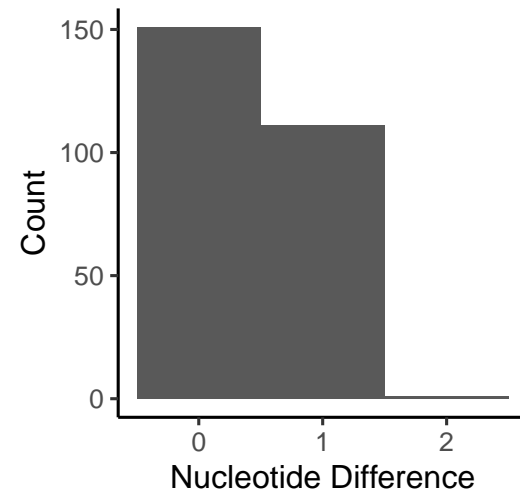
TRBV6-4*ap01

3666 sequences assigned
3619 (98.7%) exact matches, in which:
3576 unique CDR3
13 unique J



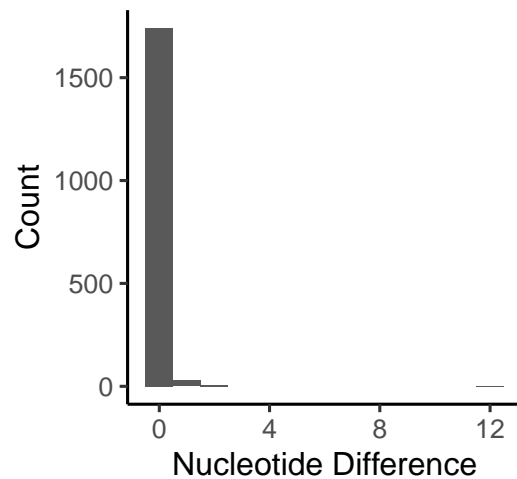
TRBV6-9*ap01

263 sequences assigned
151 (57.4%) exact matches, in which:
149 unique CDR3
13 unique J



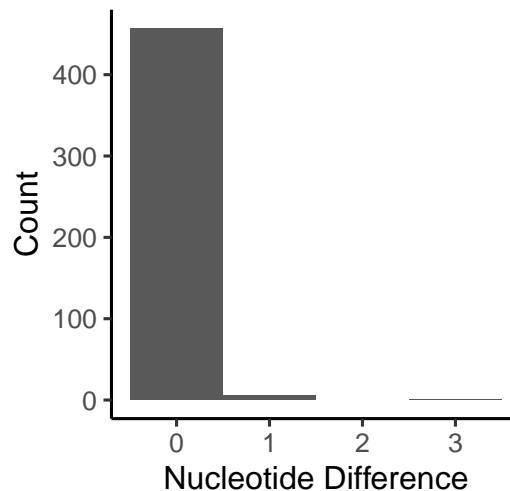
TRBV5-8*ap01

1776 sequences assigned
1741 (98%) exact matches, in which:
1714 unique CDR3
13 unique J



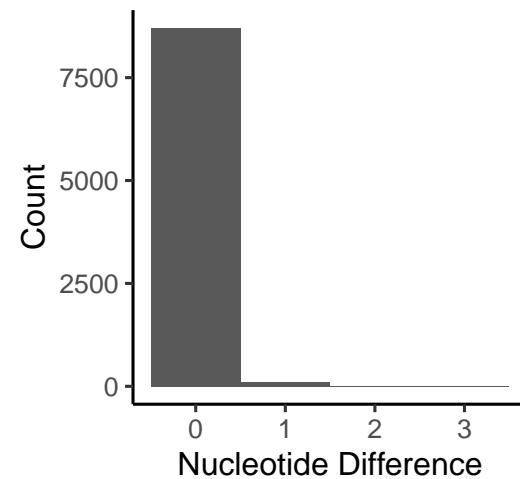
TRBV6-7*ap01

464 sequences assigned
457 (98.5%) exact matches, in which:
442 unique CDR3
13 unique J



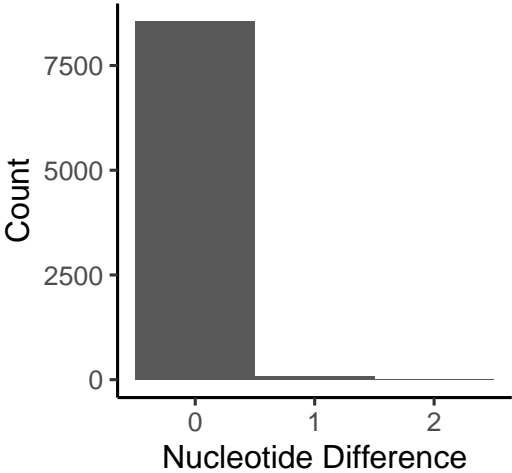
TRBV6-23*ap01

8825 sequences assigned
8705 (98.6%) exact matches, in which:
8534 unique CDR3
13 unique J



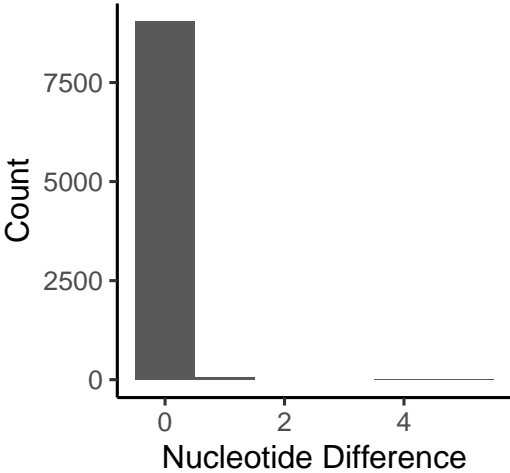
TRBV6-56*ap01

8649 sequences assigned
8553 (98.9%) exact matches, in which:
8379 unique CDR3
13 unique J



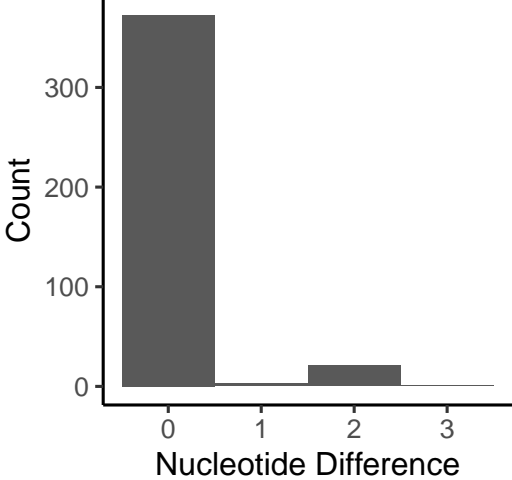
TRBV7-2*ap01

9119 sequences assigned
9043 (99.2%) exact matches, in which:
8924 unique CDR3
13 unique J



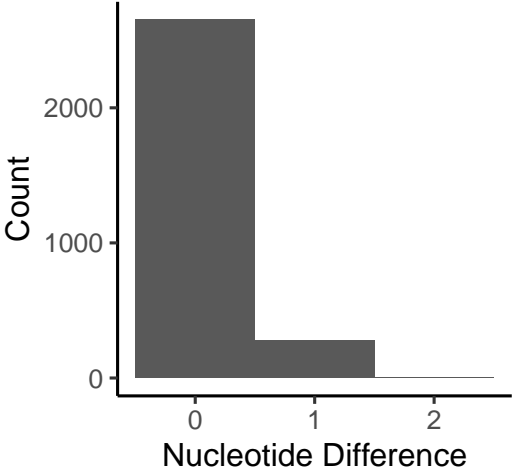
TRBV7-4*ap01

398 sequences assigned
373 (93.7%) exact matches, in which:
366 unique CDR3
13 unique J



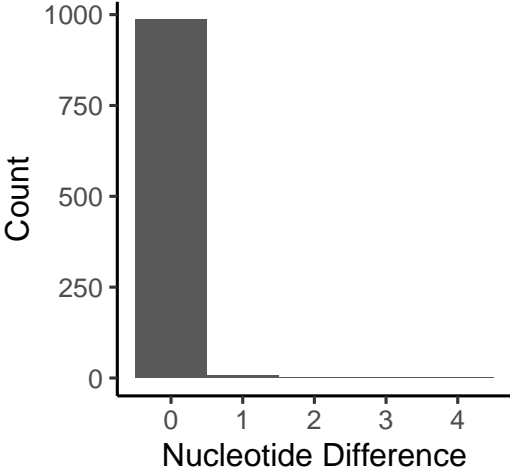
TRBV6-56*ap02

2930 sequences assigned
2652 (90.5%) exact matches, in which:
2606 unique CDR3
13 unique J



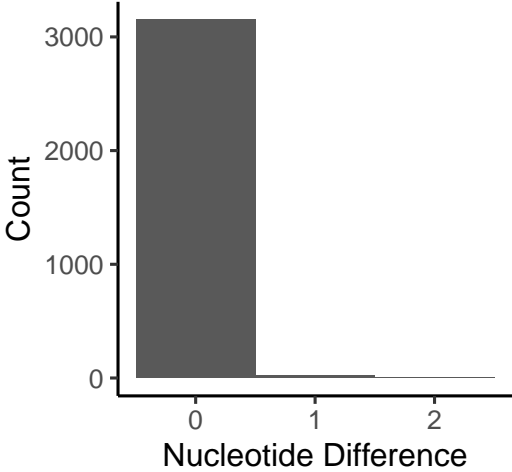
TRBV7-3*ap02

1000 sequences assigned
986 (98.6%) exact matches, in which:
977 unique CDR3
13 unique J



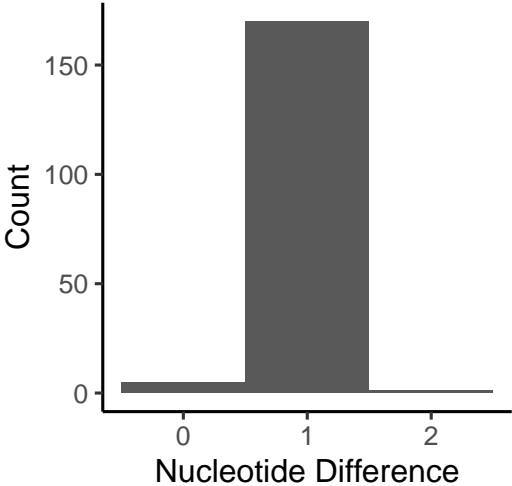
TRBV7-6*ap01

3177 sequences assigned
3151 (99.2%) exact matches, in which:
3097 unique CDR3
13 unique J



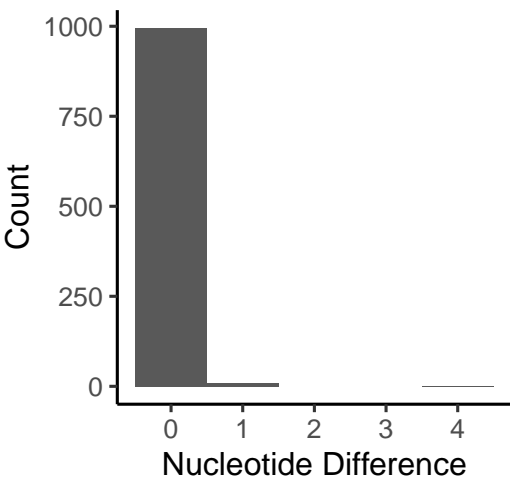
TRBV7-1*ap01_T296C

176 sequences assigned
5 (2.8%) exact matches, in which:
5 unique CDR3
4 unique J



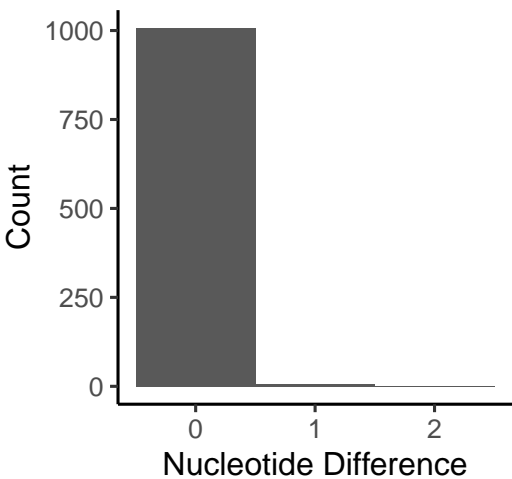
TRBV7-3*ap03

1005 sequences assigned
995 (99%) exact matches, in which:
981 unique CDR3
13 unique J



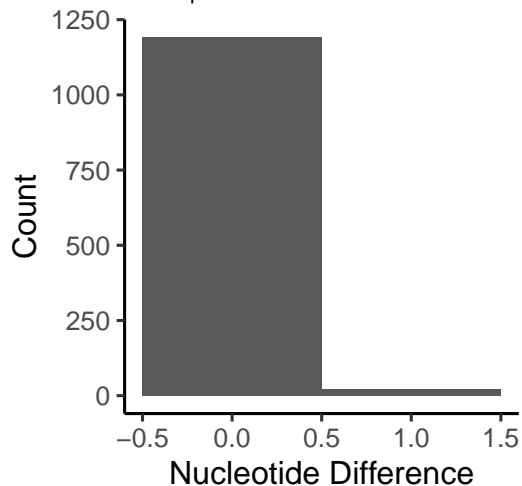
TRBV7-7*ap01

1015 sequences assigned
1007 (99.2%) exact matches, in which:
993 unique CDR3
13 unique J



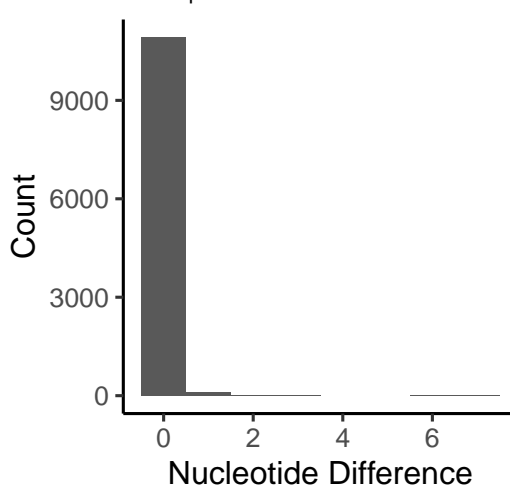
TRBV7-8*ap01

1212 sequences assigned
1191 (98.3%) exact matches, in which:
1168 unique CDR3
13 unique J



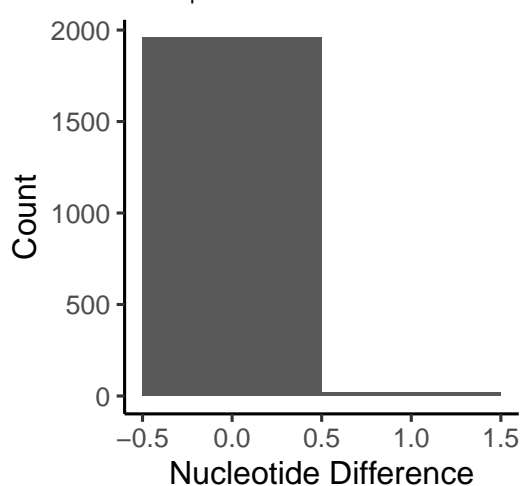
TRBV7-9*ap01

11027 sequences assigned
10919 (99%) exact matches, in which:
10783 unique CDR3
13 unique J



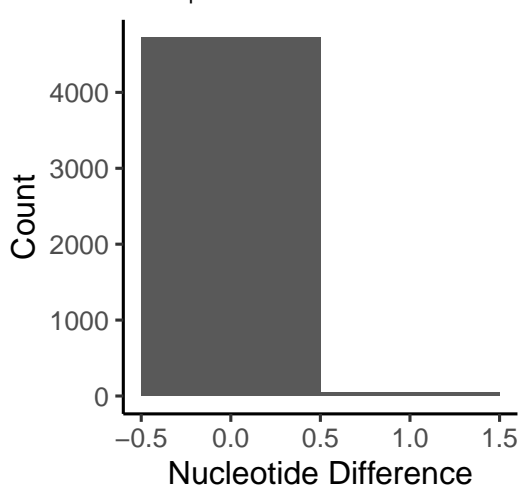
TRBV7-8*ap02

1977 sequences assigned
1958 (99%) exact matches, in which:
1929 unique CDR3
13 unique J



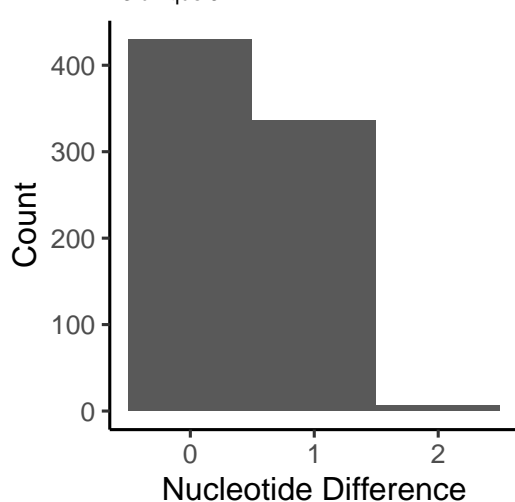
TRBV29-1*ap01

4762 sequences assigned
4720 (99.1%) exact matches, in which:
4628 unique CDR3
13 unique J



TRBV7-8*ap03

772 sequences assigned
430 (55.7%) exact matches, in which:
418 unique CDR3
13 unique J



TRBV29-1*ap02

943 sequences assigned
927 (98.3%) exact matches, in which:
914 unique CDR3
13 unique J

