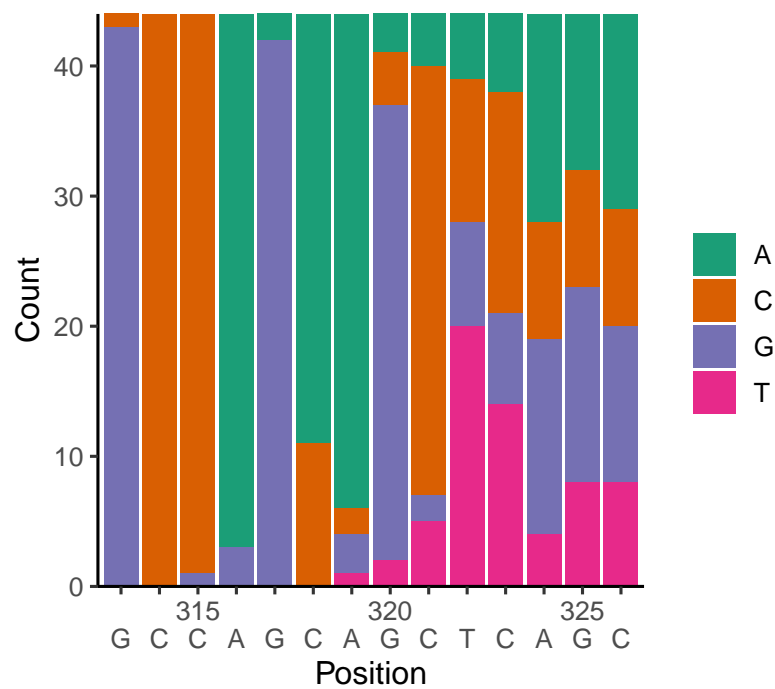
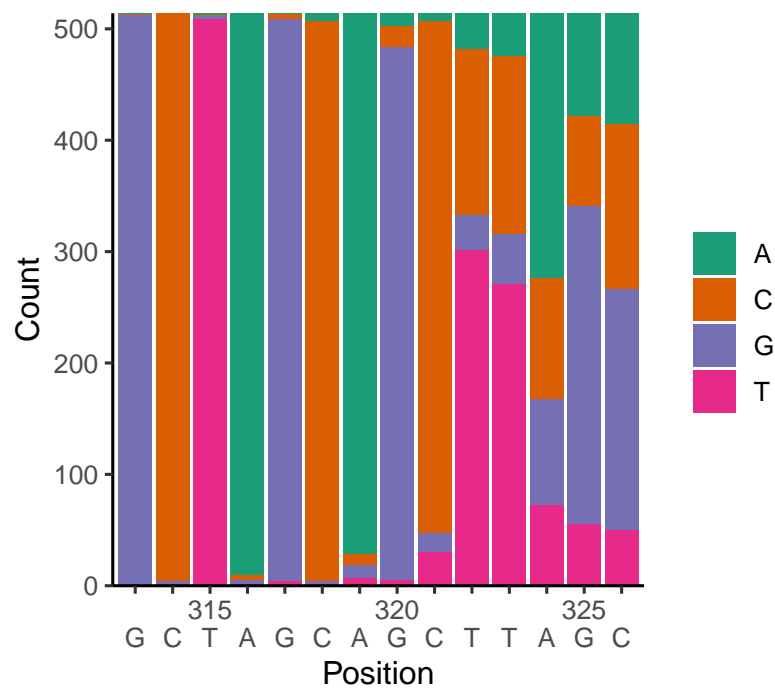


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



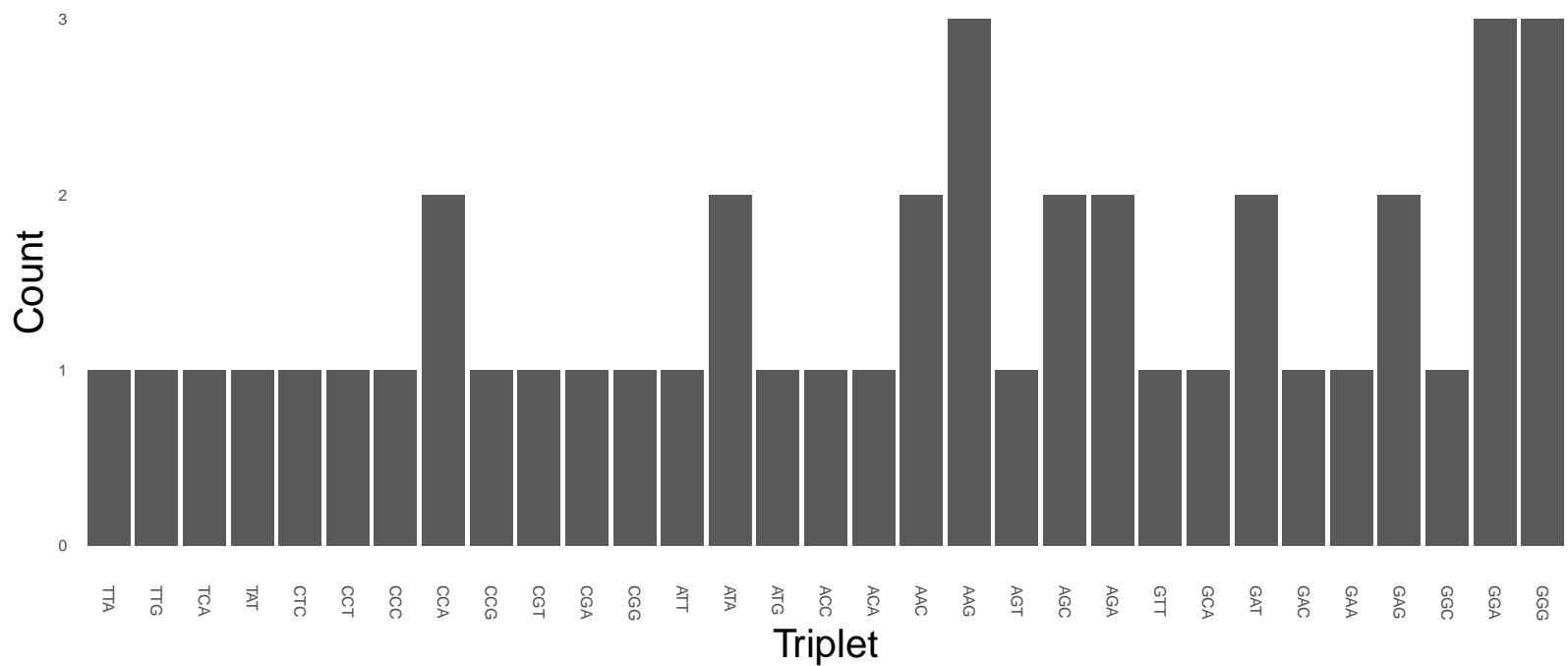
Gene TRBV7-1*ap01_T296C



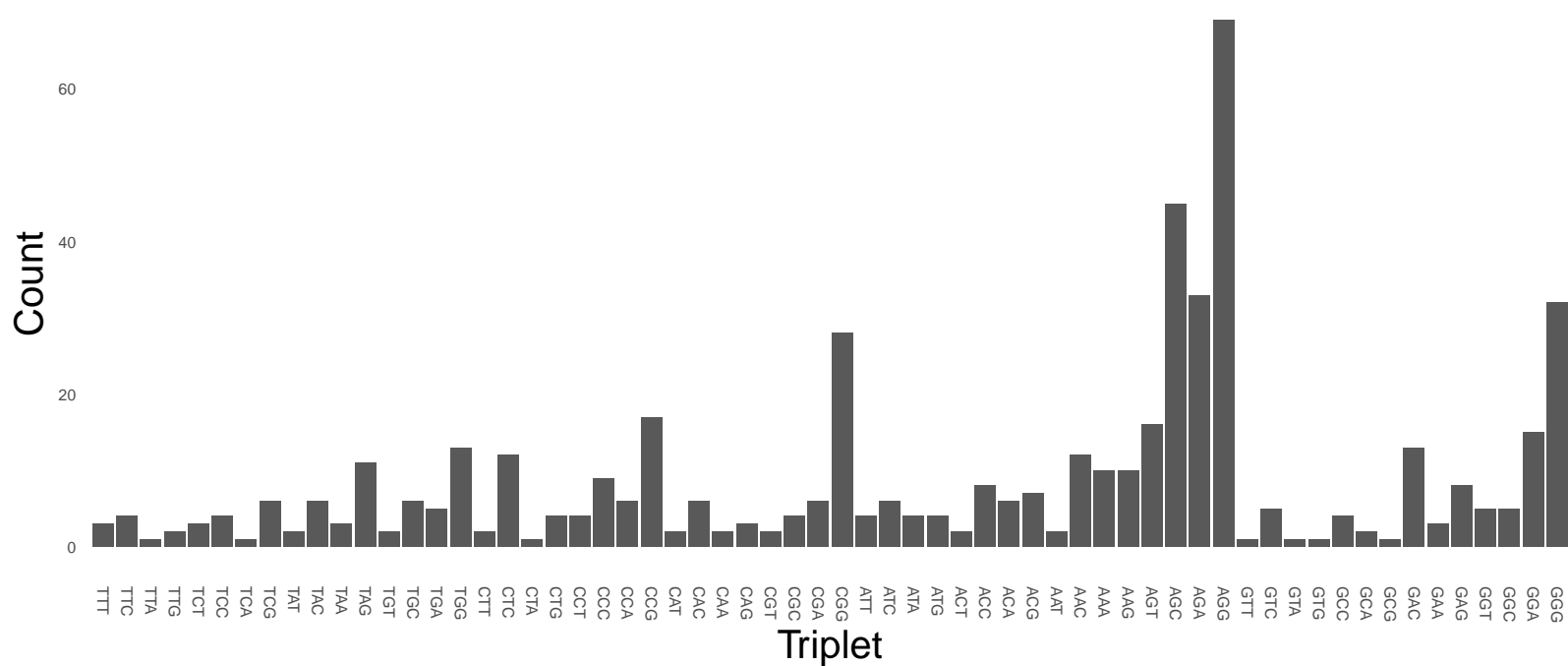
Gene TRBV7-7*ap01_C315T



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

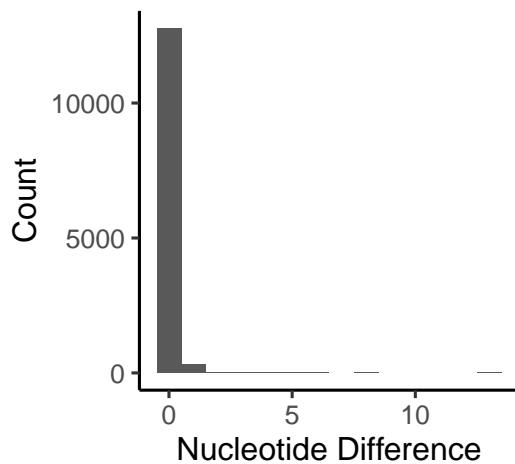


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



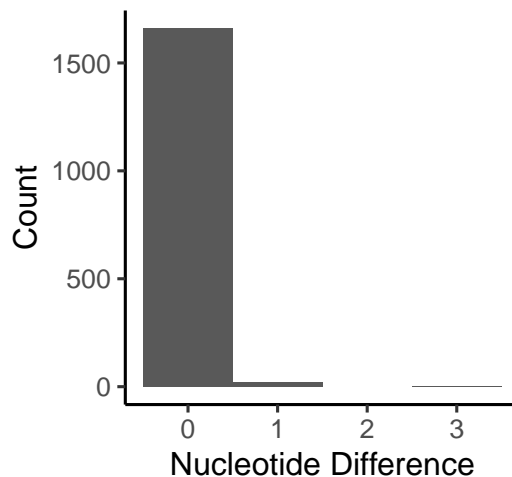
TRBV20-1*ap01

13122 sequences assigned
12775 (97.4%) exact matches, in which:
12429 unique CDR3
13 unique J



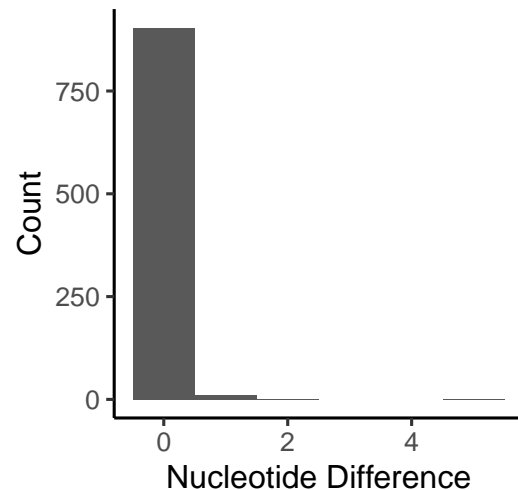
TRBV10-3*ap01

1683 sequences assigned
1660 (98.6%) exact matches, in which:
1645 unique CDR3
13 unique J



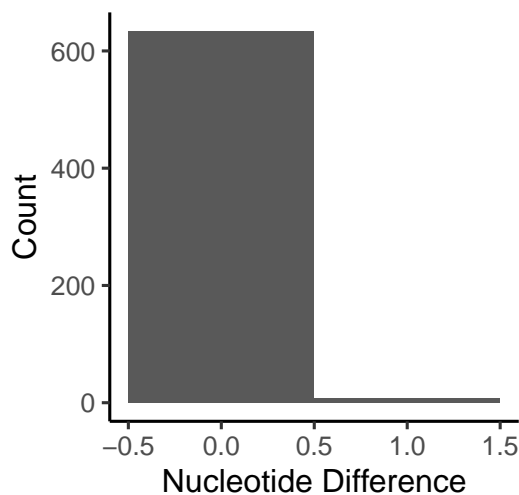
TRBV14*ap01

917 sequences assigned
904 (98.6%) exact matches, in which:
894 unique CDR3
13 unique J



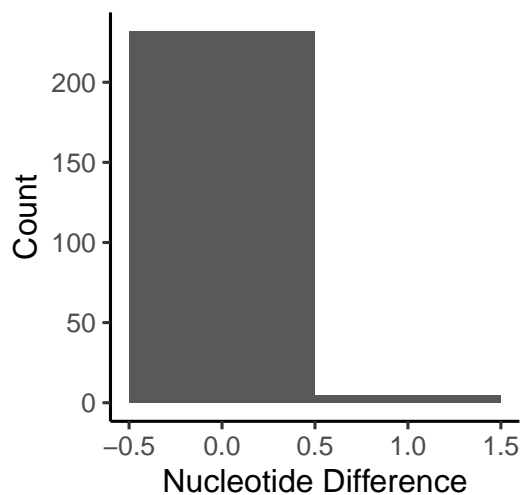
TRBV10-1*ap01

641 sequences assigned
634 (98.9%) exact matches, in which:
624 unique CDR3
13 unique J



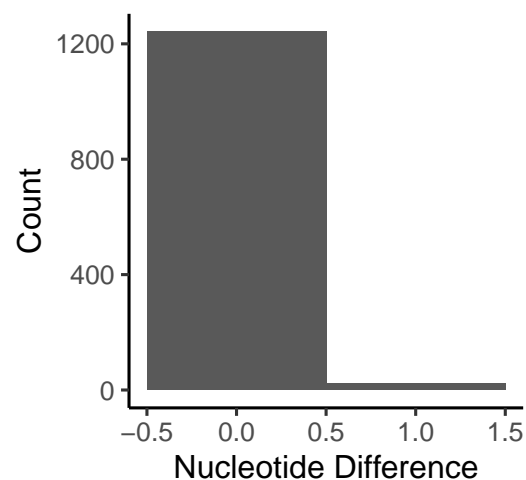
TRBV1*ap01

237 sequences assigned
232 (97.9%) exact matches, in which:
229 unique CDR3
13 unique J



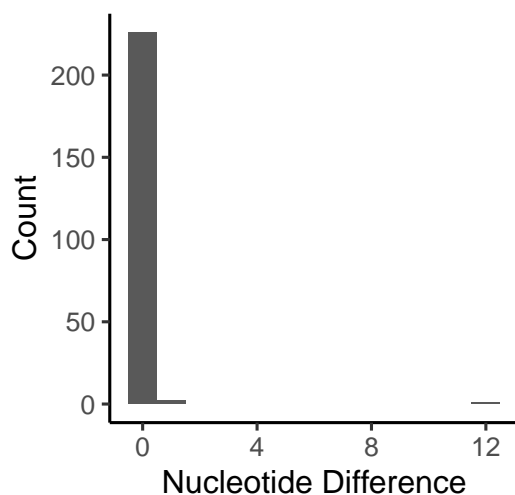
TRBV15*ap02

1264 sequences assigned
1242 (98.3%) exact matches, in which:
1226 unique CDR3
13 unique J



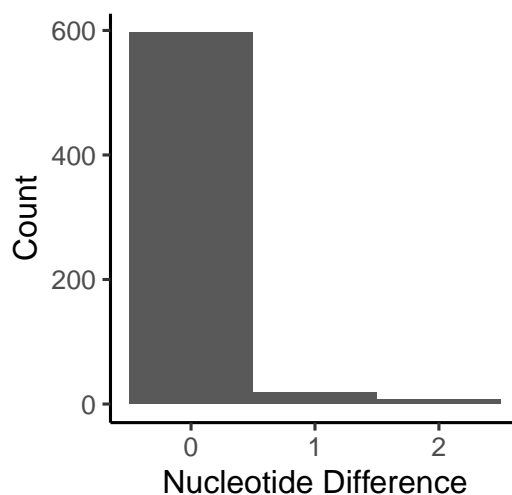
TRBV10-2*ap01

229 sequences assigned
226 (98.7%) exact matches, in which:
224 unique CDR3
13 unique J



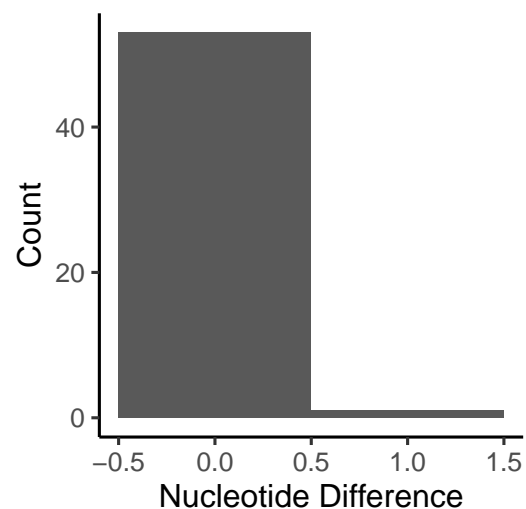
TRBV13*ap01

623 sequences assigned
597 (95.8%) exact matches, in which:
589 unique CDR3
13 unique J



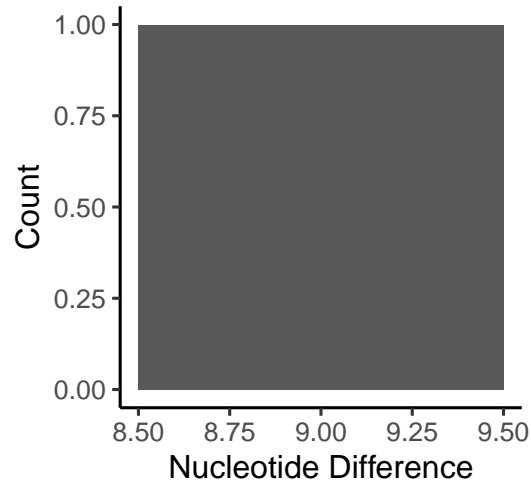
TRBV16*ap01

54 sequences assigned
53 (98.1%) exact matches, in which:
52 unique CDR3
12 unique J



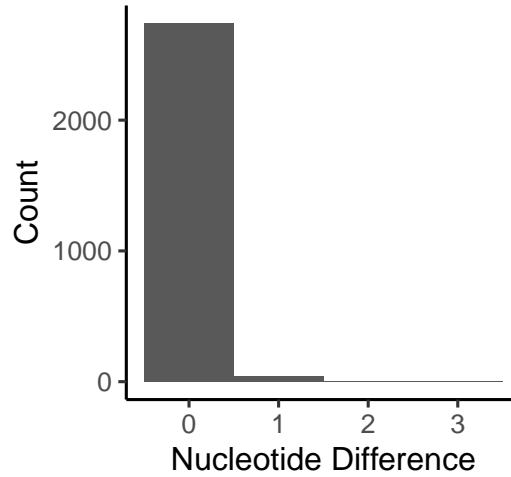
TRBV17*ap01

1 sequences assigned
No exact matches.



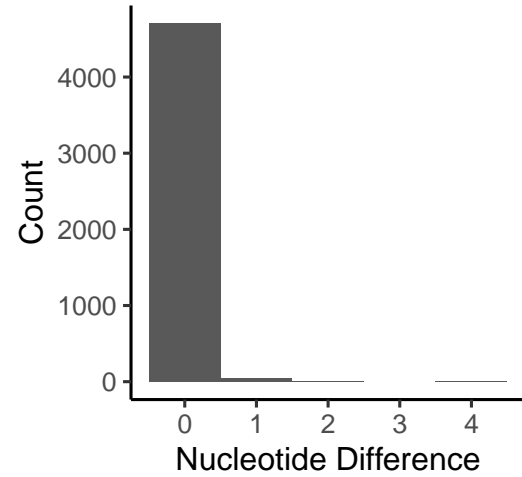
TRBV2*ap01

2786 sequences assigned
2740 (98.3%) exact matches, in which:
2716 unique CDR3
13 unique J



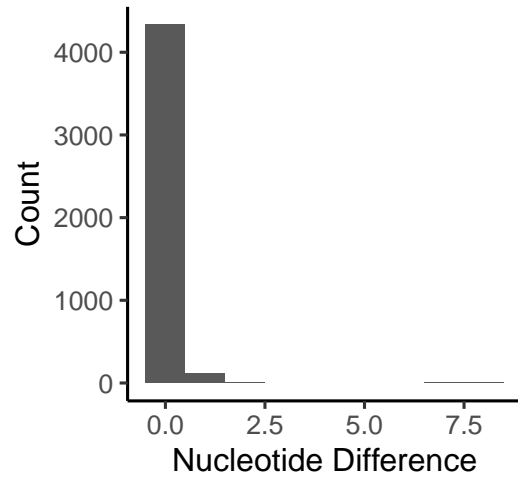
TRBV28*ap01

4754 sequences assigned
4704 (98.9%) exact matches, in which:
4655 unique CDR3
13 unique J



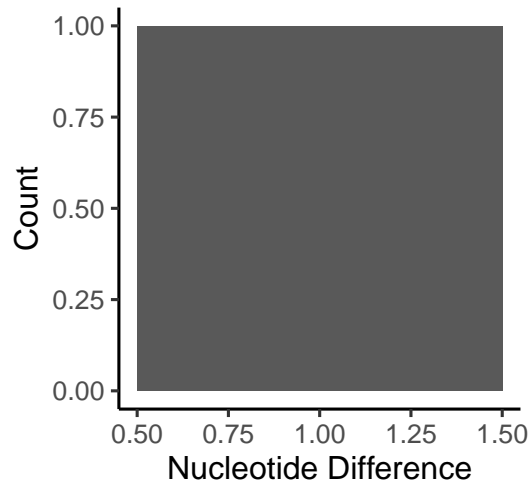
TRBV18*ap01

4447 sequences assigned
4333 (97.4%) exact matches, in which:
4248 unique CDR3
14 unique J



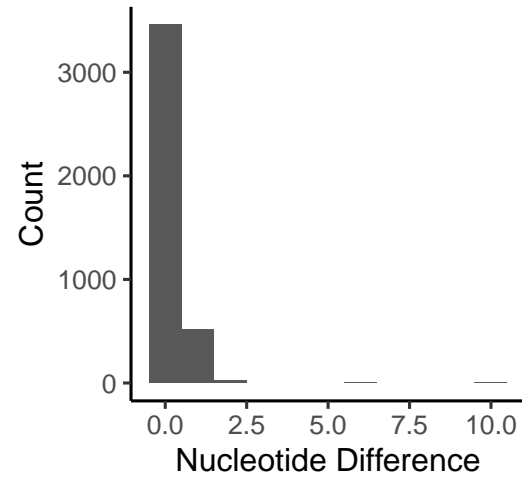
TRBV26*ap01

1 sequences assigned
No exact matches.



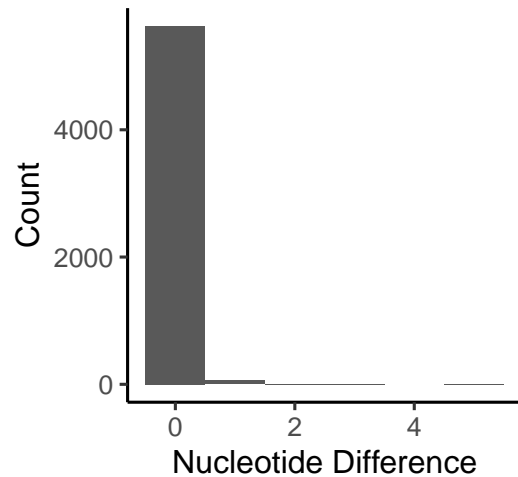
TRBV30*ap01

3996 sequences assigned
3459 (86.6%) exact matches, in which:
3282 unique CDR3
13 unique J



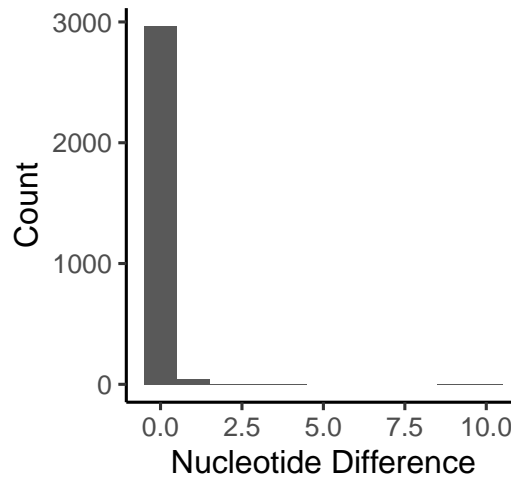
TRBV19*ap01

5694 sequences assigned
5630 (98.9%) exact matches, in which:
5566 unique CDR3
13 unique J



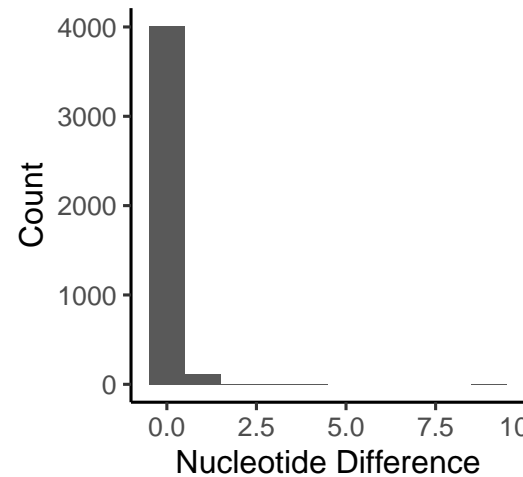
TRBV27*ap01

3015 sequences assigned
2966 (98.4%) exact matches, in which:
2932 unique CDR3
13 unique J



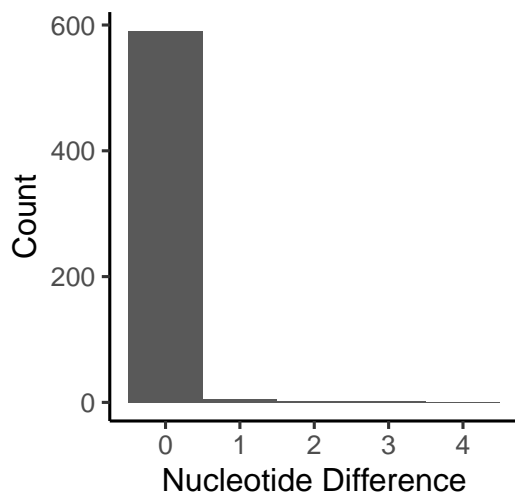
TRBV9*ap01

4133 sequences assigned
4010 (97%) exact matches, in which:
3955 unique CDR3
13 unique J



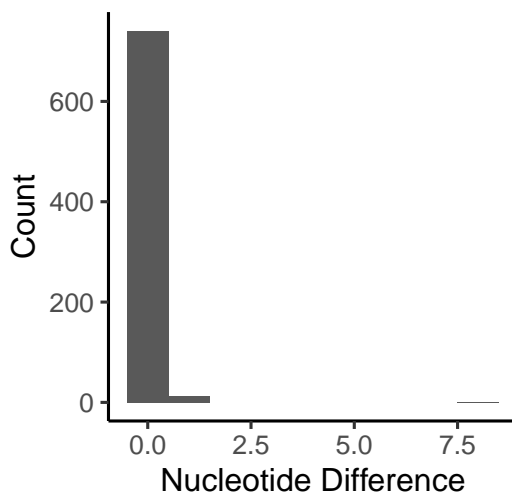
TRBV21–1*ap01

602 sequences assigned
591 (98.2%) exact matches, in which:
590 unique CDR3
13 unique J



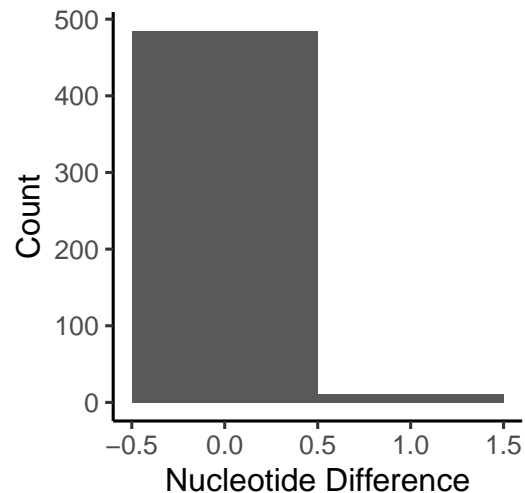
TRBV11–3*ap01

755 sequences assigned
741 (98.1%) exact matches, in which:
733 unique CDR3
13 unique J



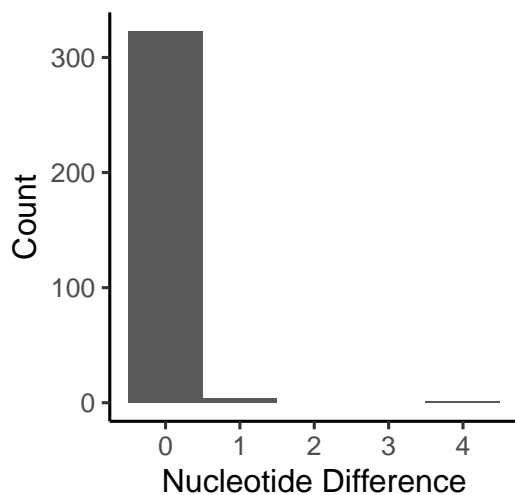
TRBV12–5*ap01

496 sequences assigned
485 (97.8%) exact matches, in which:
482 unique CDR3
13 unique J



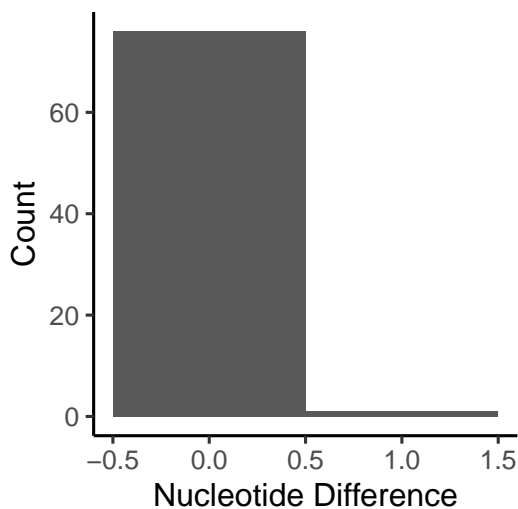
TRBV11–1*ap01

328 sequences assigned
323 (98.5%) exact matches, in which:
318 unique CDR3
13 unique J



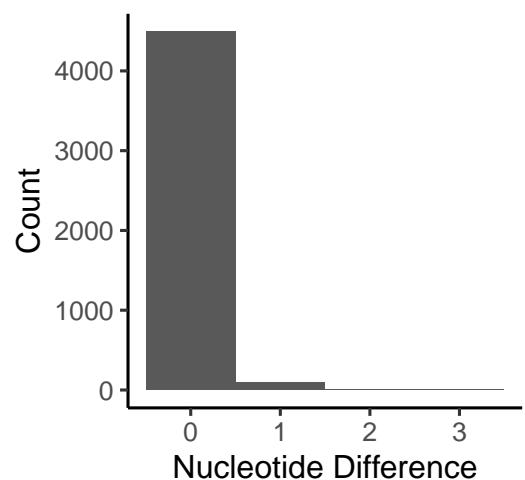
TRBV12–1*ap01

77 sequences assigned
76 (98.7%) exact matches, in which:
75 unique CDR3
12 unique J



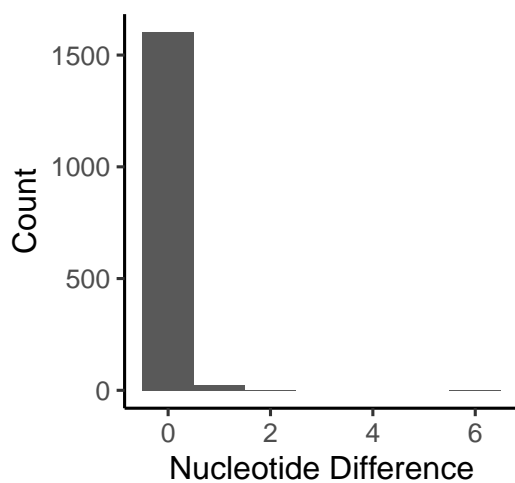
TRBV12–34*ap01

4588 sequences assigned
4491 (97.9%) exact matches, in which:
4429 unique CDR3
13 unique J



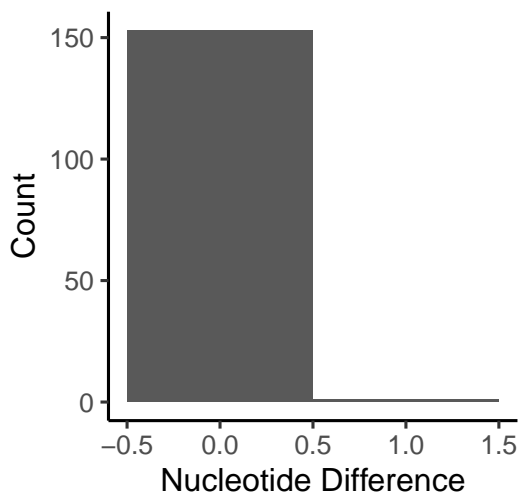
TRBV11–2*ap01

1631 sequences assigned
1603 (98.3%) exact matches, in which:
1580 unique CDR3
13 unique J



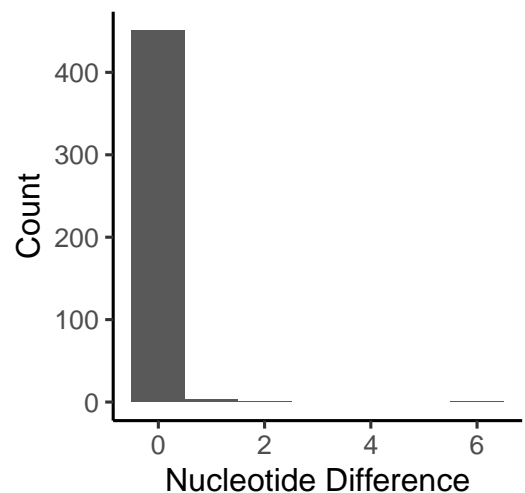
TRBV12–2*ap01

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



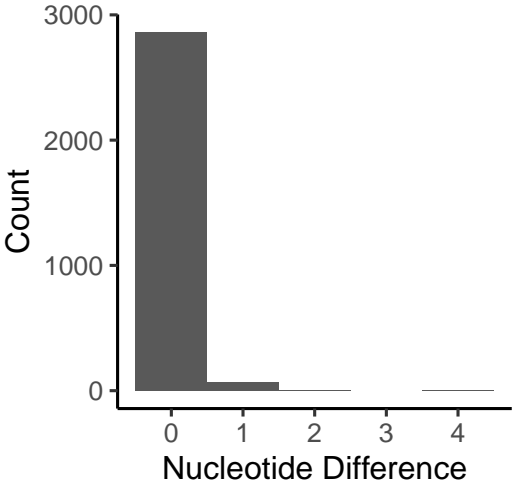
TRBV23–1*ap01

456 sequences assigned
451 (98.9%) exact matches, in which:
450 unique CDR3
13 unique J



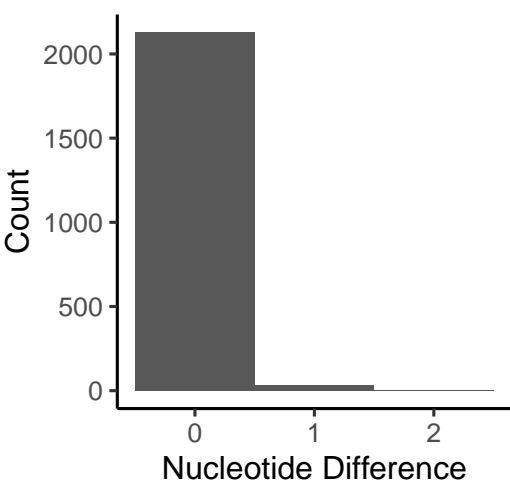
TRBV3-12*ap01

2929 sequences assigned
2860 (97.6%) exact matches, in which:
2831 unique CDR3
13 unique J



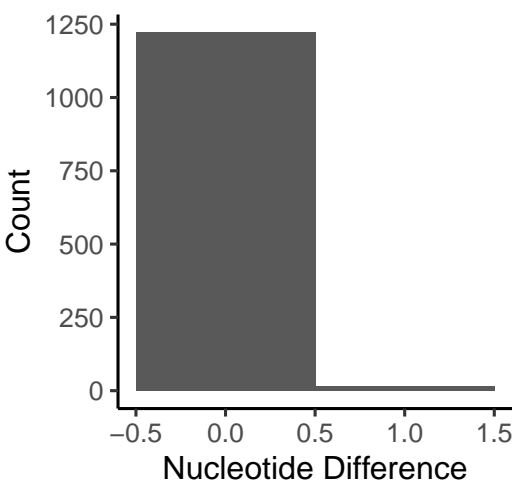
TRBV4-2*ap01

2159 sequences assigned
2128 (98.6%) exact matches, in which:
2092 unique CDR3
13 unique J



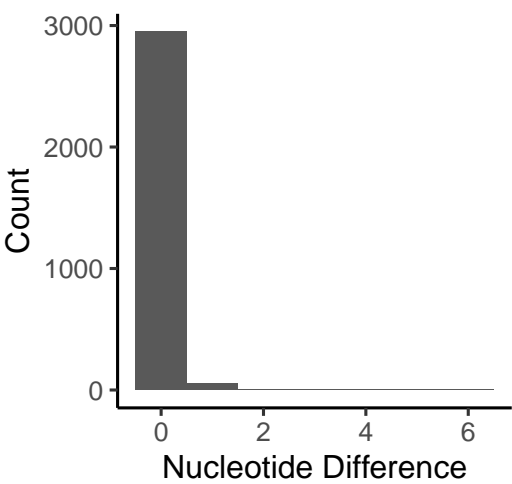
TRBV25-1*ap01

1239 sequences assigned
1222 (98.6%) exact matches, in which:
1205 unique CDR3
13 unique J



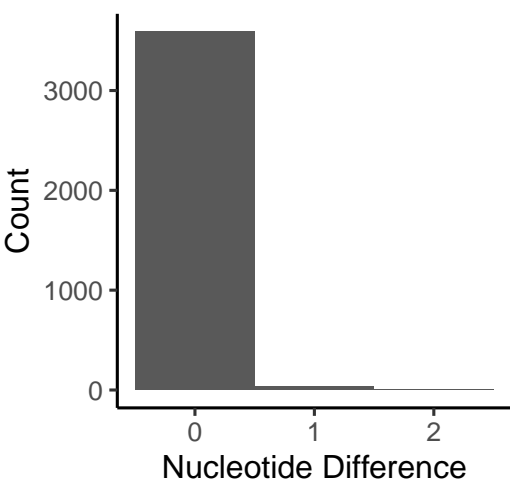
TRBV24-1*ap01

3006 sequences assigned
2949 (98.1%) exact matches, in which:
2915 unique CDR3
13 unique J



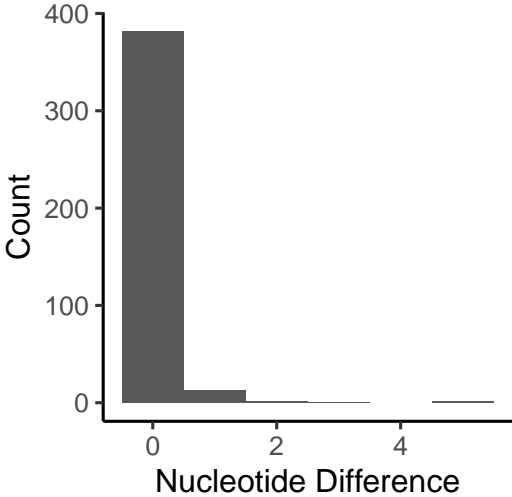
TRBV4-3*ap01

3626 sequences assigned
3589 (99%) exact matches, in which:
3527 unique CDR3
13 unique J



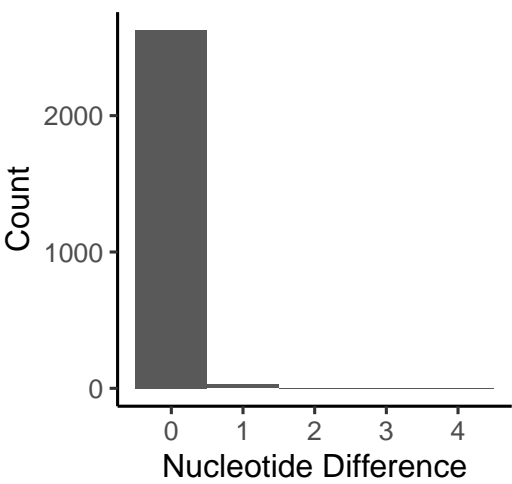
TRBV5-3*ap01

400 sequences assigned
382 (95.5%) exact matches, in which:
372 unique CDR3
13 unique J



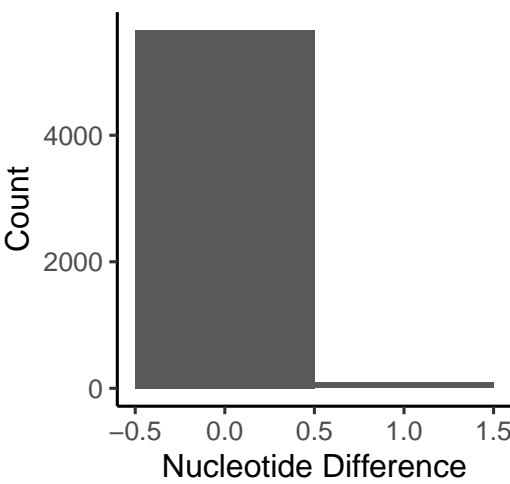
TRBV4-1*ap01

2662 sequences assigned
2628 (98.7%) exact matches, in which:
2567 unique CDR3
13 unique J



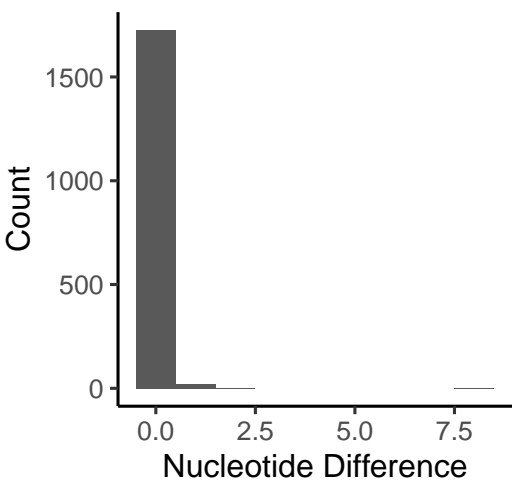
TRBV5-1*ap01

5755 sequences assigned
5663 (98.4%) exact matches, in which:
5562 unique CDR3
13 unique J



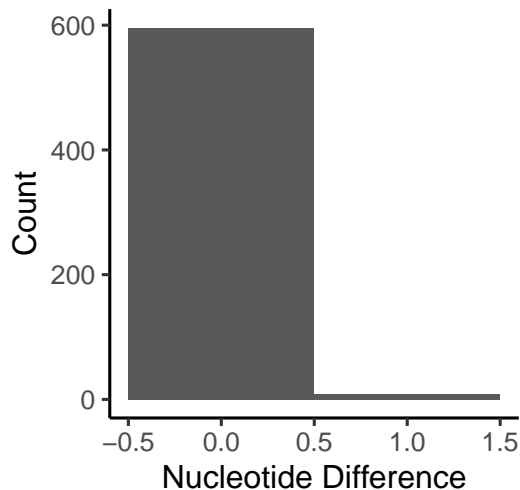
TRBV5-4*ap01

1749 sequences assigned
1726 (98.7%) exact matches, in which:
1707 unique CDR3
13 unique J



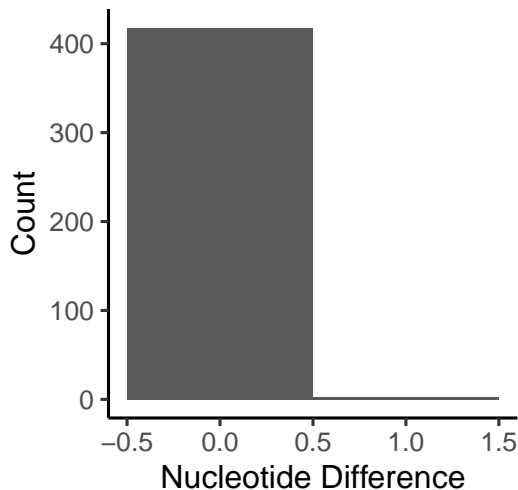
TRBV5-5*ap01

605 sequences assigned
596 (98.5%) exact matches, in which:
589 unique CDR3
13 unique J



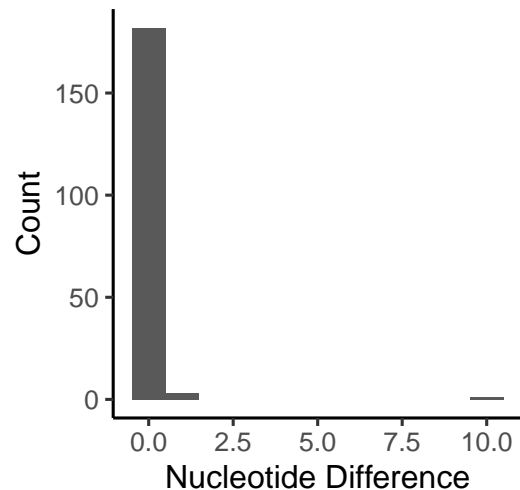
TRBV5-8*ap01

421 sequences assigned
418 (99.3%) exact matches, in which:
416 unique CDR3
13 unique J



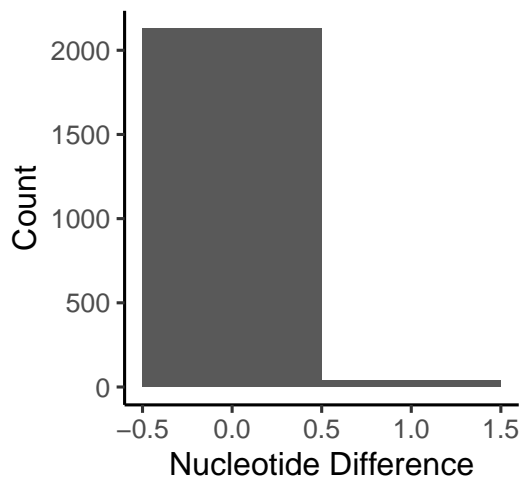
TRBV6-7*ap01

186 sequences assigned
182 (97.8%) exact matches, in which:
181 unique CDR3
13 unique J



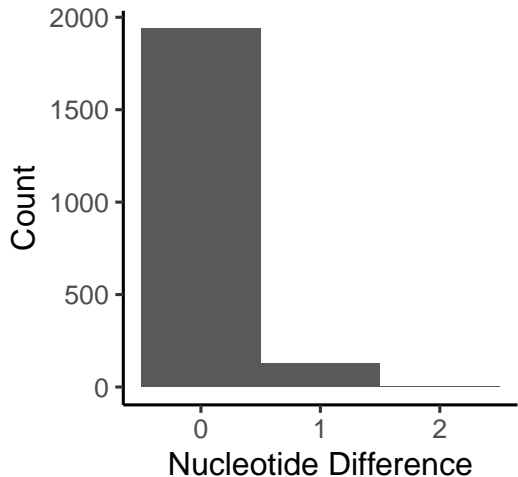
TRBV5-6*ap01

2165 sequences assigned
2128 (98.3%) exact matches, in which:
2056 unique CDR3
13 unique J



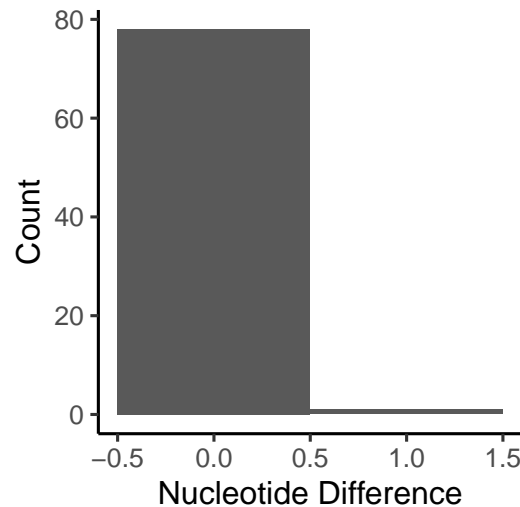
TRBV6-1*ap01

2067 sequences assigned
1938 (93.8%) exact matches, in which:
1910 unique CDR3
13 unique J



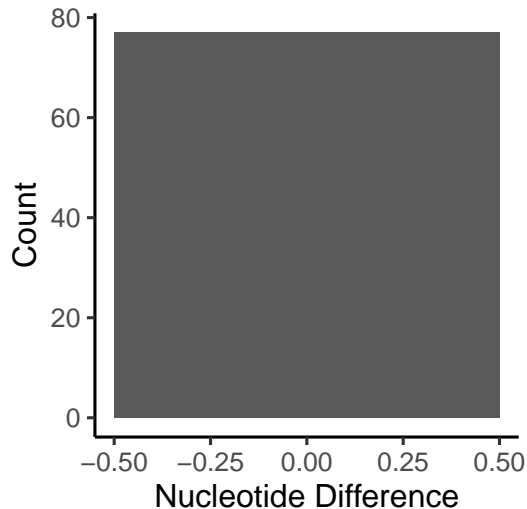
TRBV6-8*ap01

79 sequences assigned
78 (98.7%) exact matches, in which:
77 unique CDR3
12 unique J



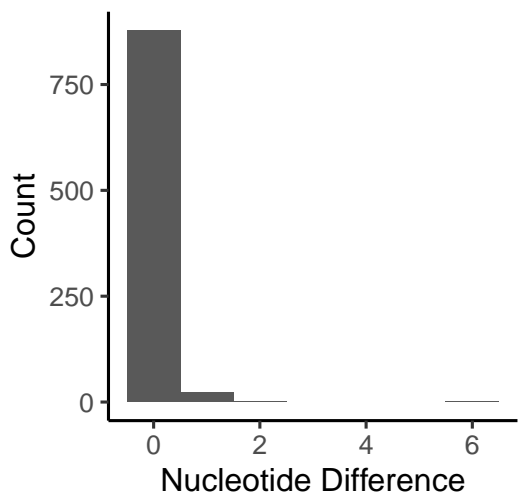
TRBV5-7*ap01

77 sequences assigned
77 (100%) exact matches, in which:
74 unique CDR3
12 unique J



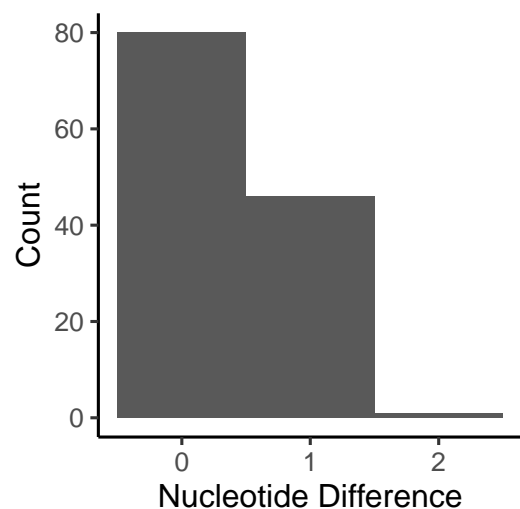
TRBV6-4*ap01

904 sequences assigned
878 (97.1%) exact matches, in which:
868 unique CDR3
13 unique J



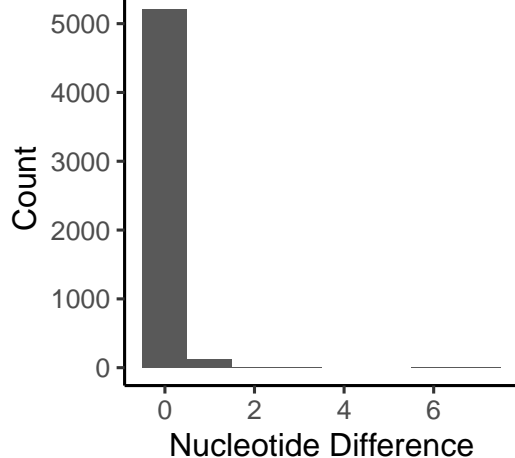
TRBV6-9*ap01

127 sequences assigned
80 (63%) exact matches, in which:
78 unique CDR3
12 unique J



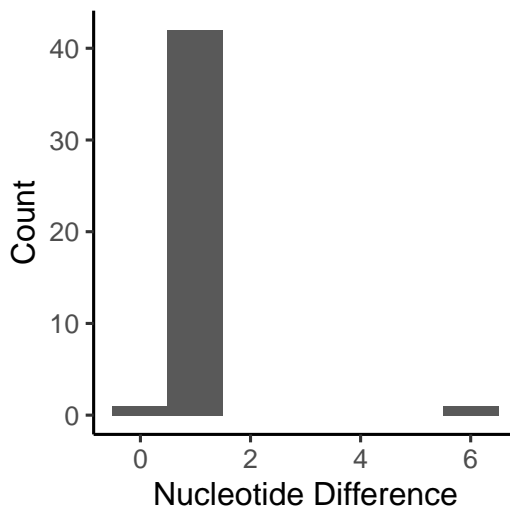
TRBV6-23*ap01

5345 sequences assigned
5207 (97.4%) exact matches, in which:
5114 unique CDR3
13 unique J



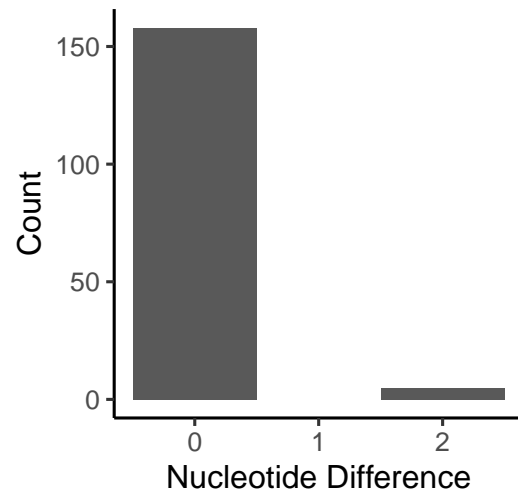
TRBV7-1*ap01_T296C

44 sequences assigned
1 (2.3%) exact matches, in which:
1 unique CDR3
1 unique J



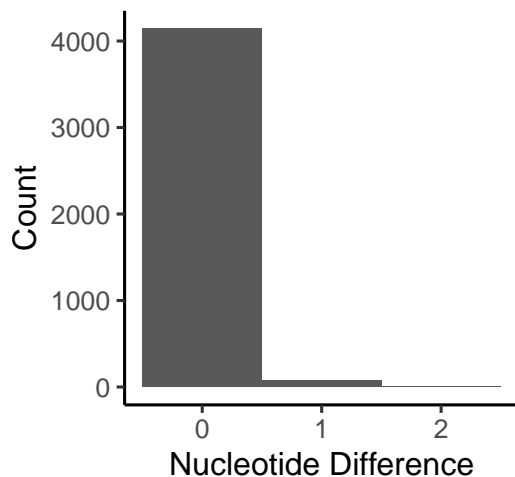
TRBV7-4*ap01

163 sequences assigned
158 (96.9%) exact matches, in which:
155 unique CDR3
13 unique J



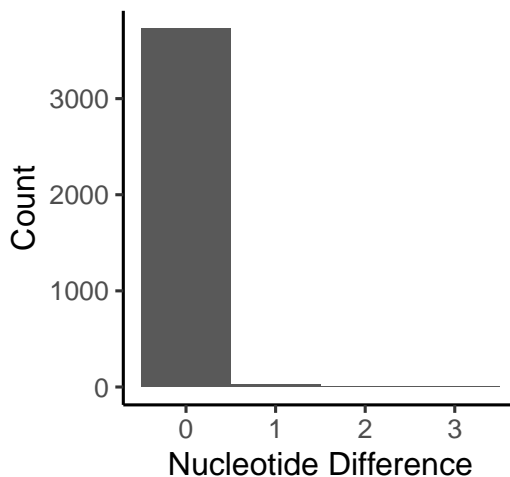
TRBV6-56*ap01

4218 sequences assigned
4142 (98.2%) exact matches, in which:
4075 unique CDR3
13 unique J



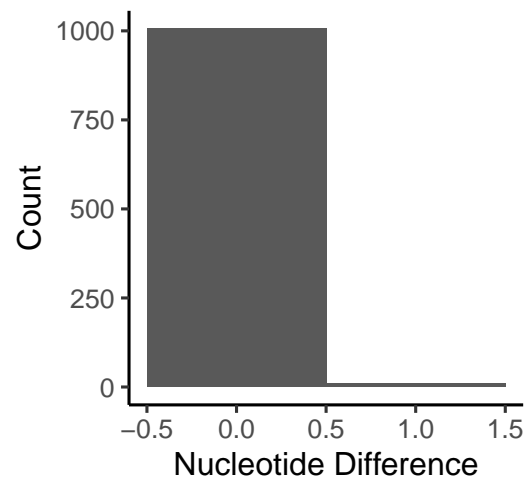
TRBV7-2*ap01

3750 sequences assigned
3727 (99.4%) exact matches, in which:
3685 unique CDR3
13 unique J



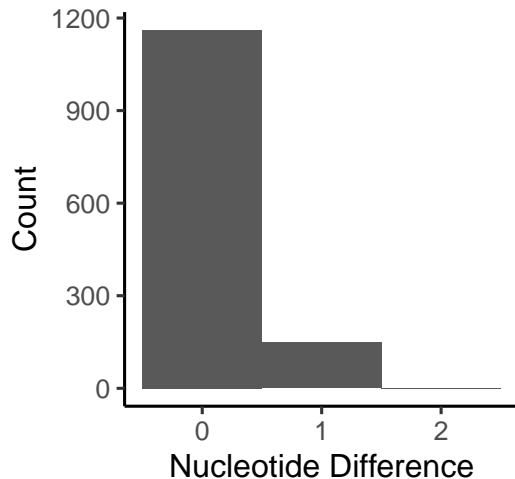
TRBV7-6*ap01

1017 sequences assigned
1006 (98.9%) exact matches, in which:
985 unique CDR3
13 unique J



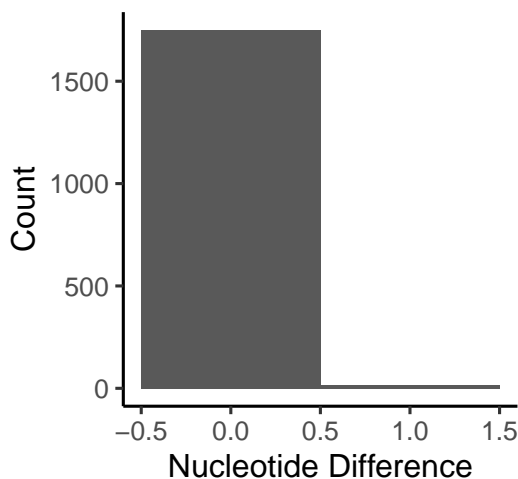
TRBV6-56*ap02

1311 sequences assigned
1161 (88.6%) exact matches, in which:
1138 unique CDR3
13 unique J



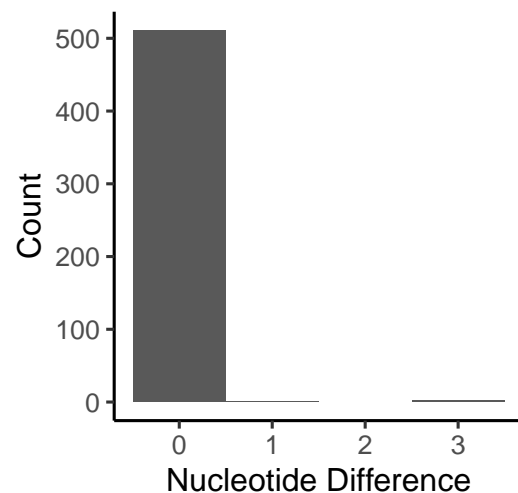
TRBV7-3*ap01

1766 sequences assigned
1750 (99.1%) exact matches, in which:
1724 unique CDR3
13 unique J



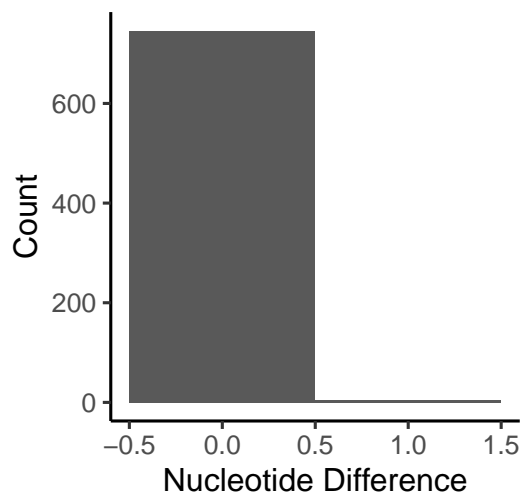
TRBV7-7*ap01_C315T

514 sequences assigned
511 (99.4%) exact matches, in which:
497 unique CDR3
13 unique J



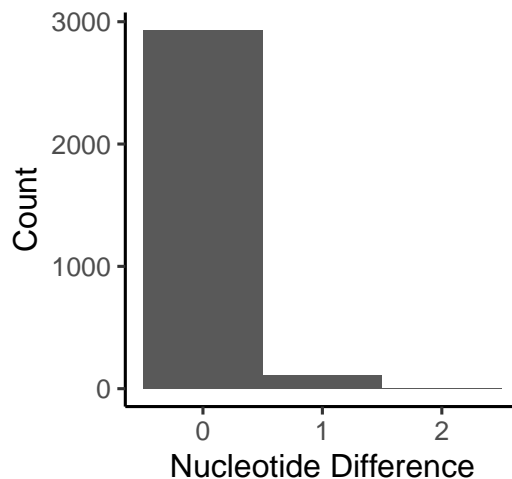
TRBV7-8*ap01

751 sequences assigned
746 (99.3%) exact matches, in which:
739 unique CDR3
13 unique J



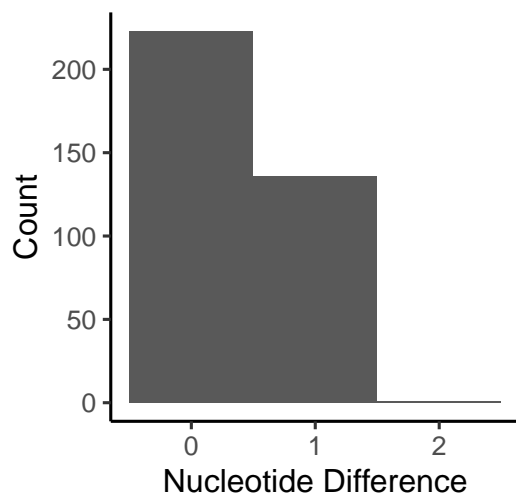
TRBV29-1*ap01

3045 sequences assigned
2929 (96.2%) exact matches, in which:
2788 unique CDR3
13 unique J



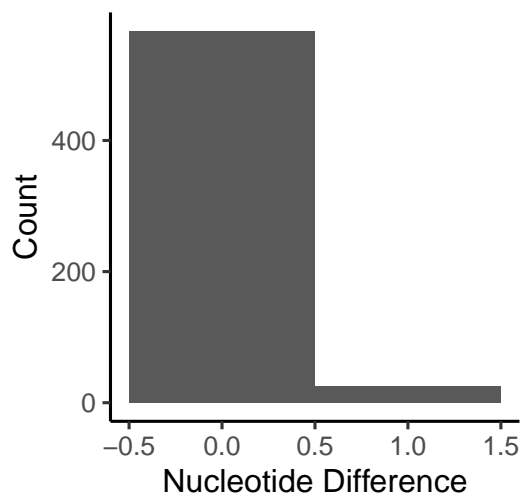
TRBV7-8*ap03

360 sequences assigned
223 (61.9%) exact matches, in which:
219 unique CDR3
13 unique J



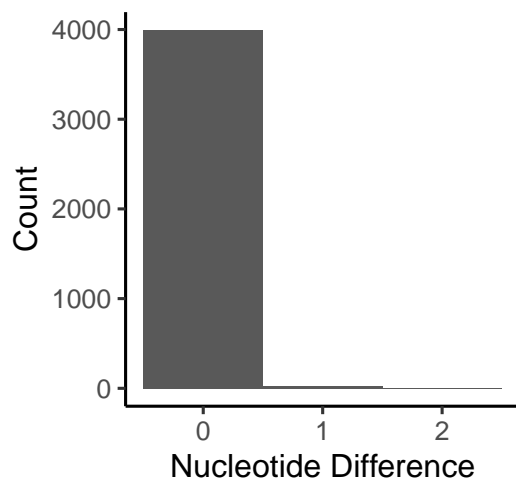
TRBV29-1*ap02

592 sequences assigned
567 (95.8%) exact matches, in which:
539 unique CDR3
13 unique J

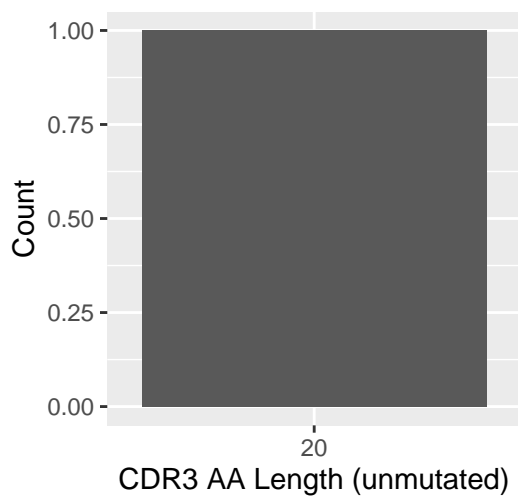


TRBV7-9*ap01

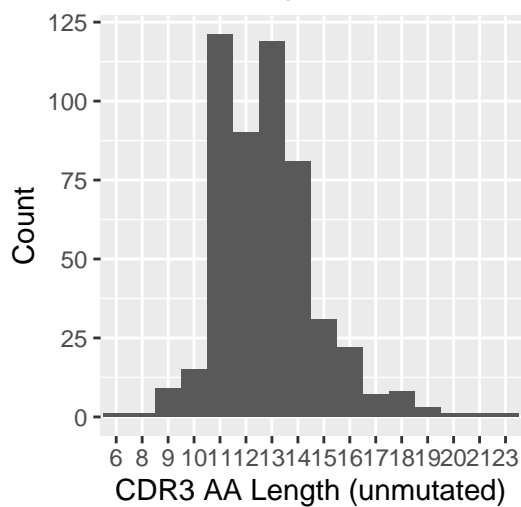
4021 sequences assigned
3994 (99.3%) exact matches, in which:
3929 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]