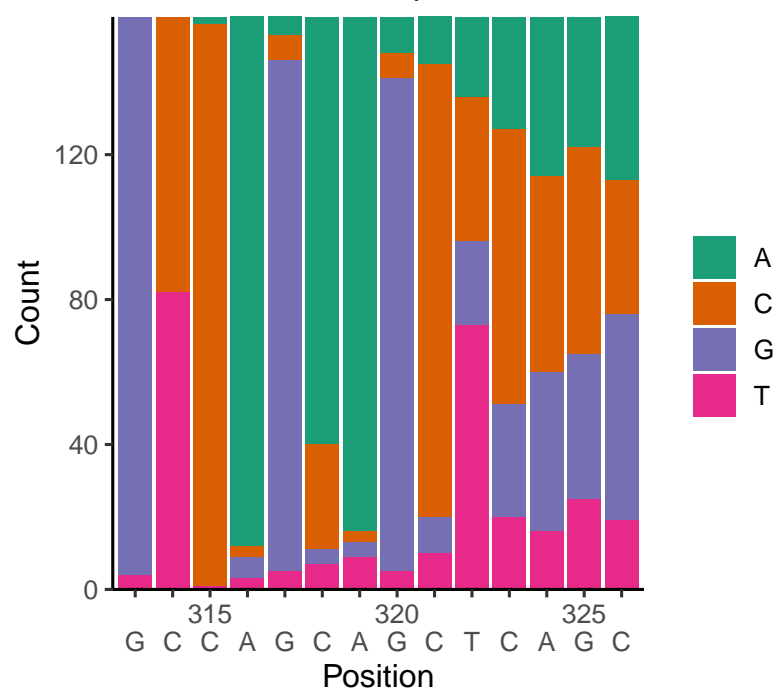


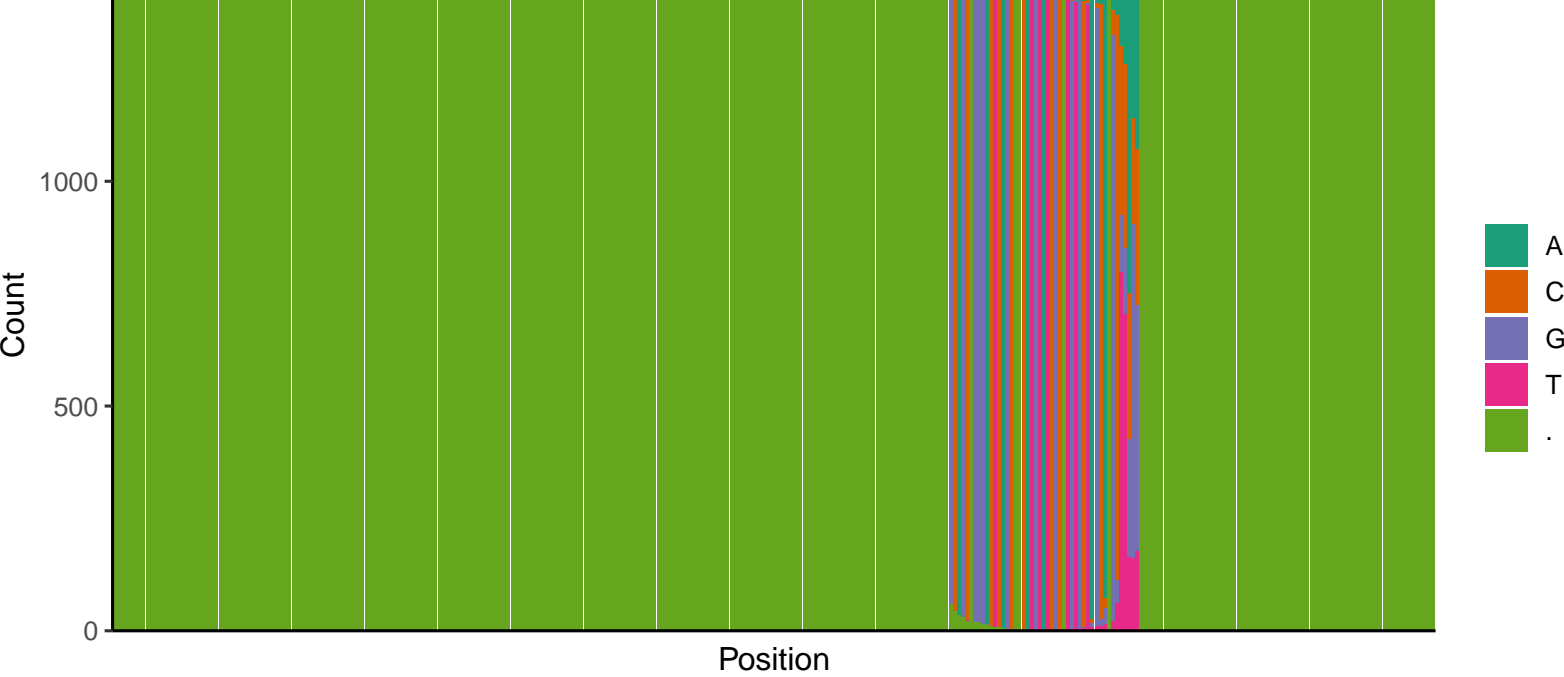
Gene TRBV7-1*ap01_T296C



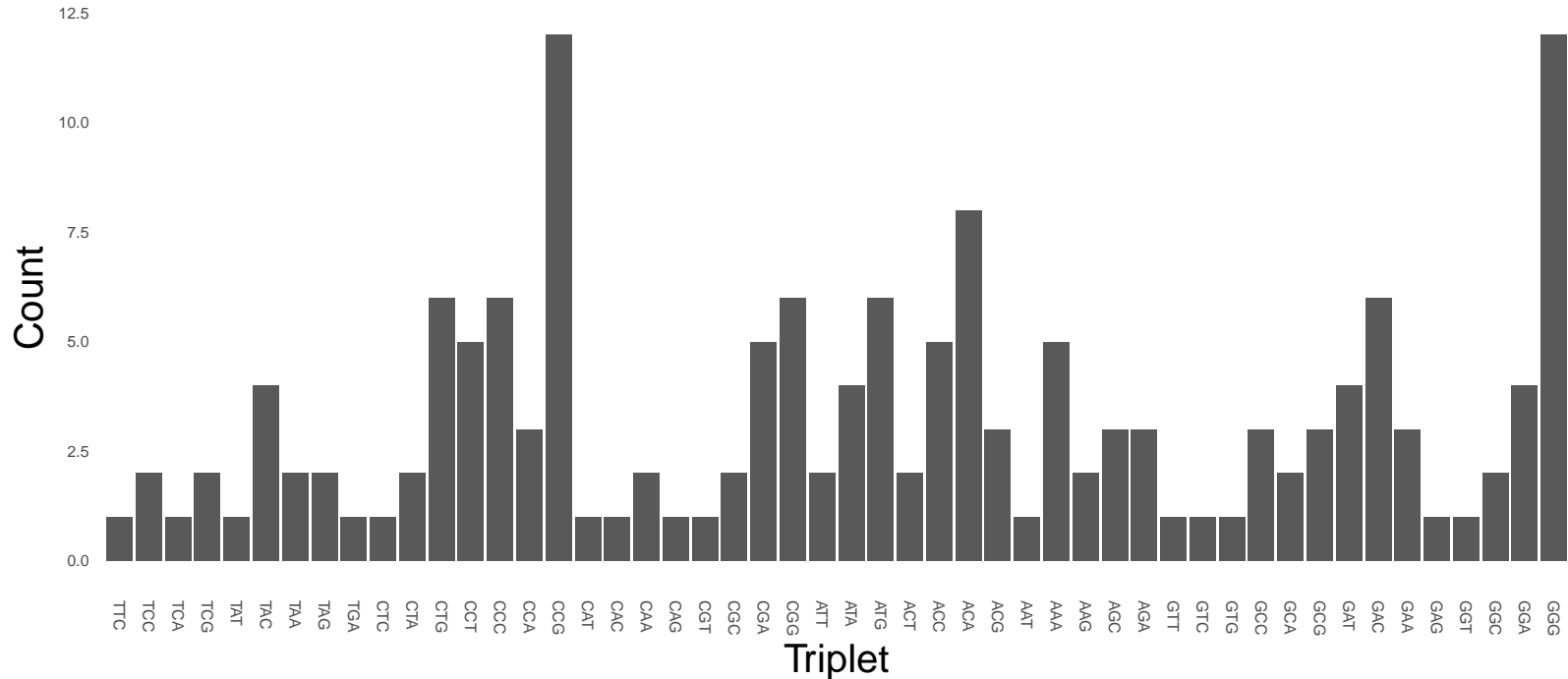
Gene TRBV7-1*ap01_T296C



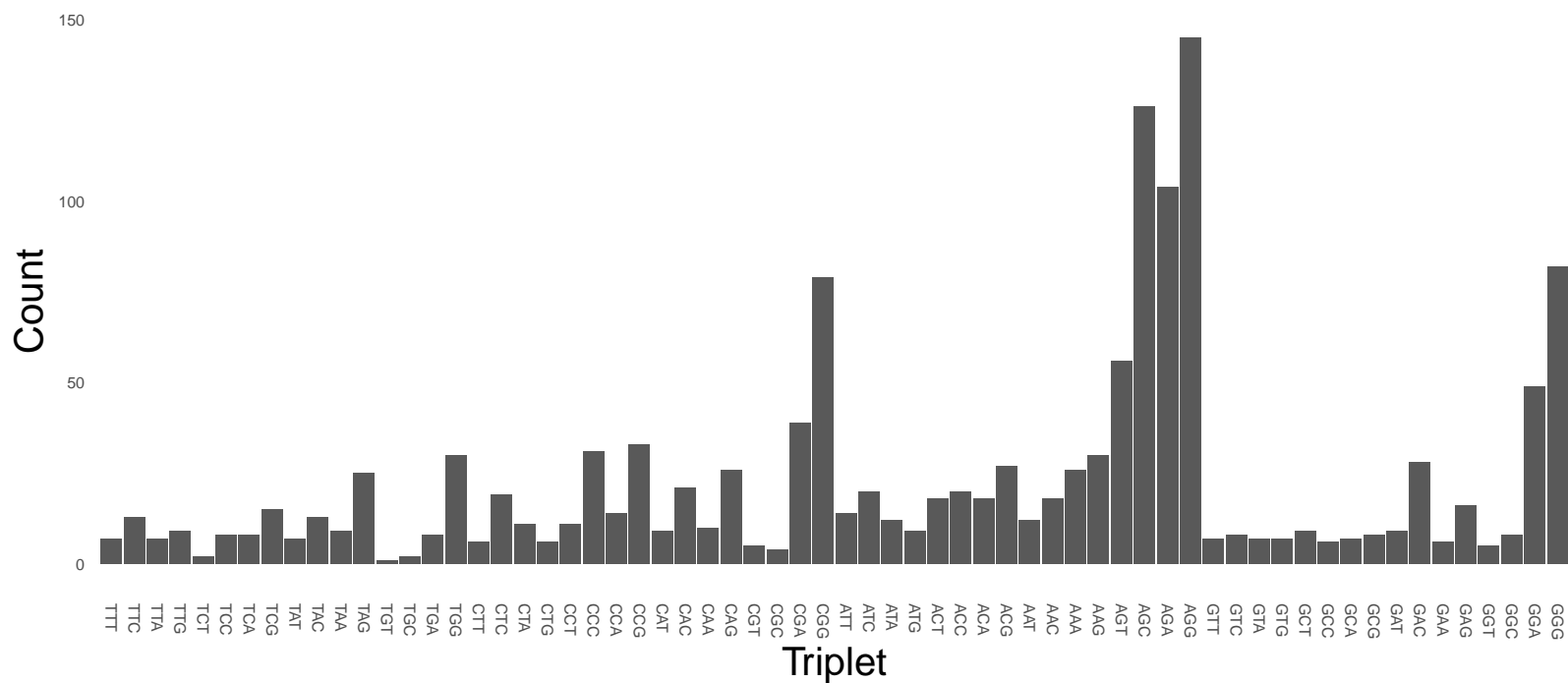
Gene TRBV7-7*ap01_C315T



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

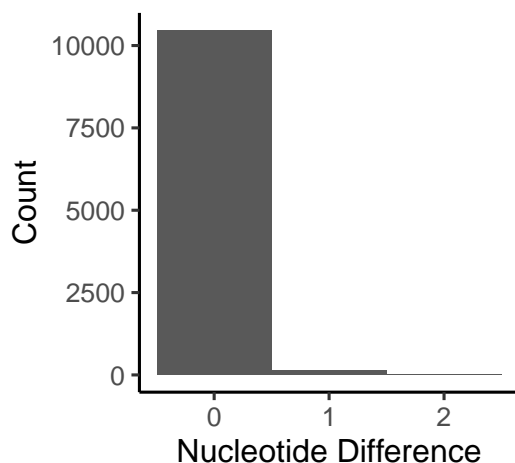


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



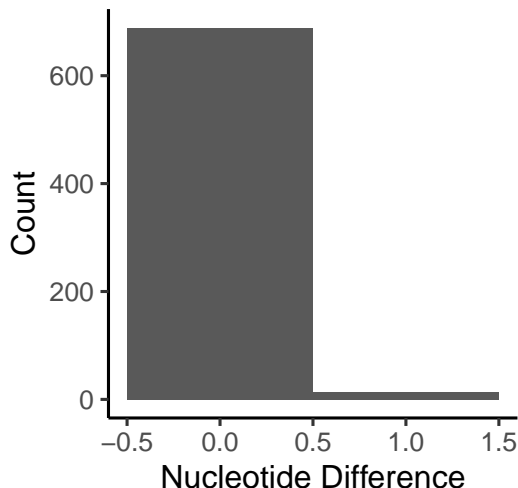
TRBV20-1*ap01

10603 sequences assigned
10467 (98.7%) exact matches, in which:
10245 unique CDR3
13 unique J



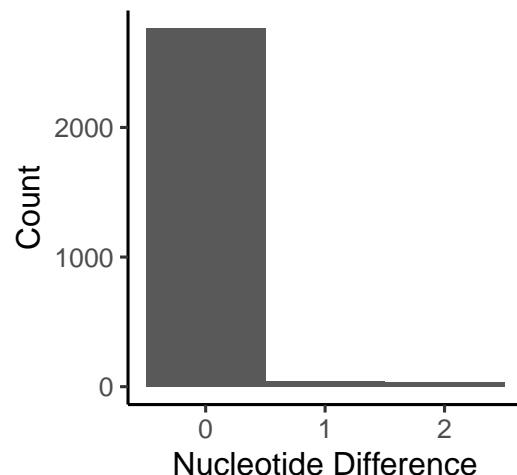
TRBV10-2*ap01

703 sequences assigned
689 (98%) exact matches, in which:
669 unique CDR3
13 unique J



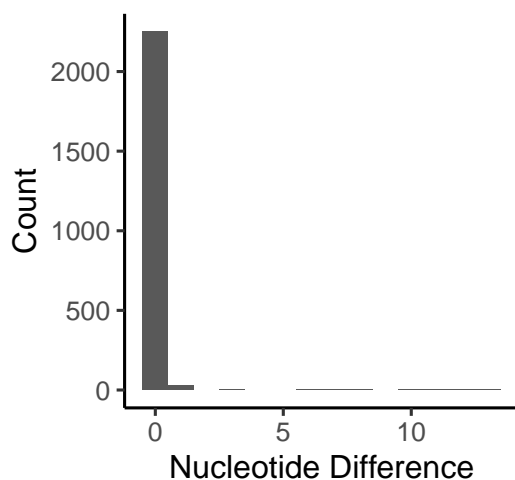
TRBV13*ap01

2848 sequences assigned
2764 (97.1%) exact matches, in which:
2682 unique CDR3
13 unique J



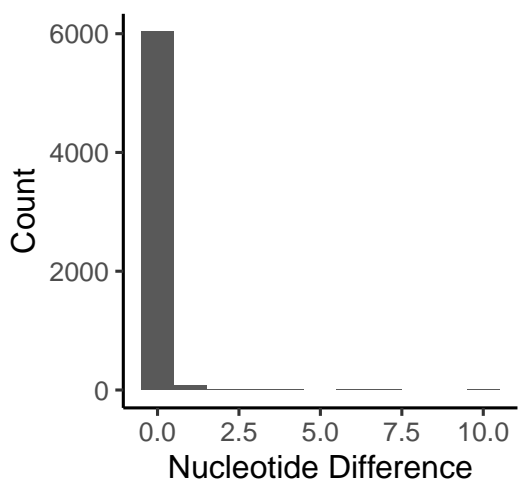
TRBV10-1*ap01

2288 sequences assigned
2250 (98.3%) exact matches, in which:
2198 unique CDR3
13 unique J



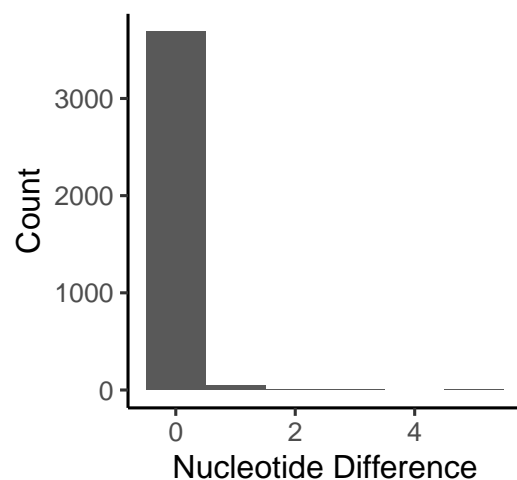
TRBV10-3*ap01

6122 sequences assigned
6033 (98.5%) exact matches, in which:
5884 unique CDR3
13 unique J



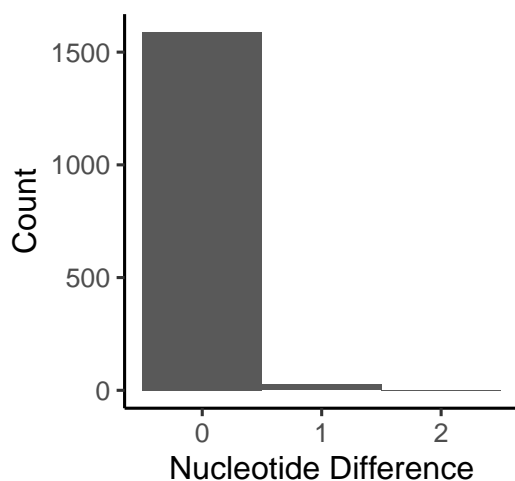
TRBV14*ap01

3739 sequences assigned
3687 (98.6%) exact matches, in which:
3617 unique CDR3
13 unique J



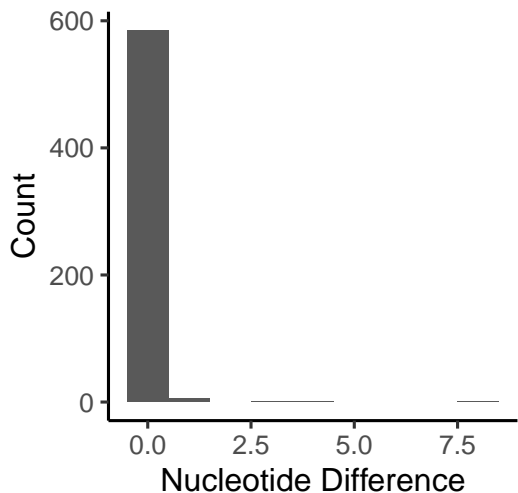
TRBV20-1*ap02

1616 sequences assigned
1589 (98.3%) exact matches, in which:
1555 unique CDR3
13 unique J



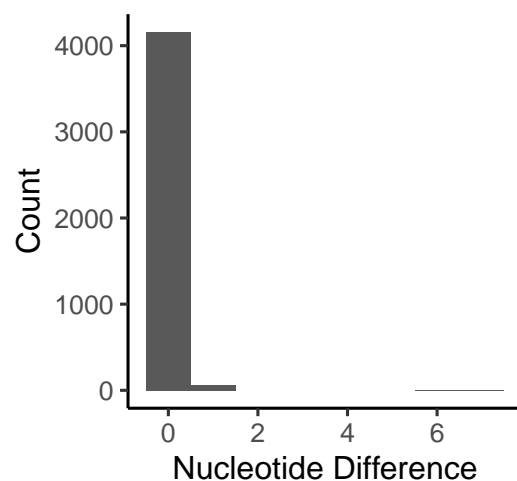
TRBV1*ap01

594 sequences assigned
585 (98.5%) exact matches, in which:
571 unique CDR3
13 unique J



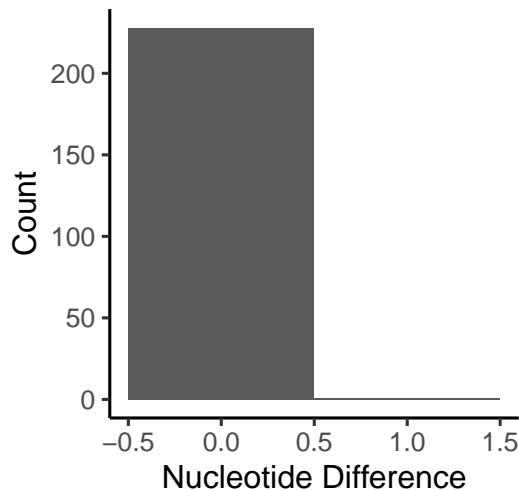
TRBV15*ap02

4220 sequences assigned
4158 (98.5%) exact matches, in which:
4049 unique CDR3
13 unique J



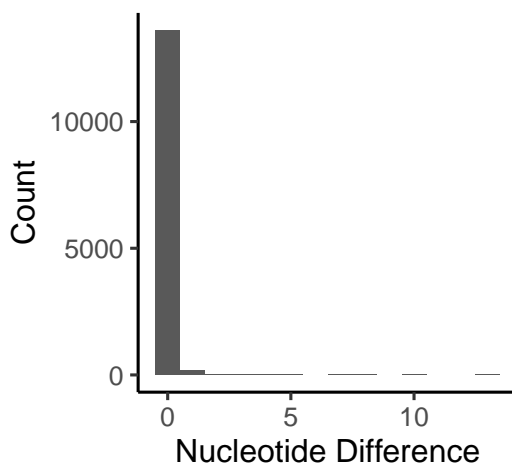
TRBV16*ap01

229 sequences assigned
228 (99.6%) exact matches, in which:
227 unique CDR3
13 unique J



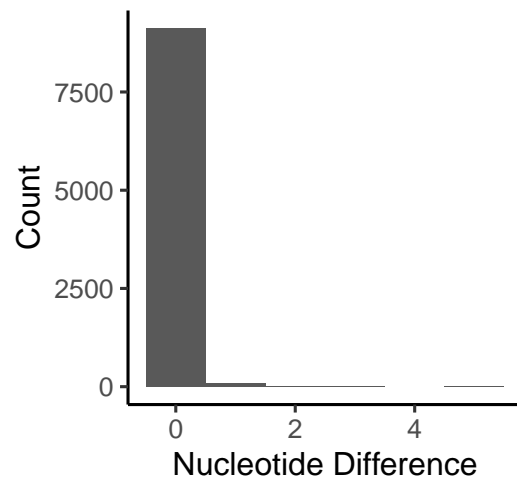
TRBV19*ap01

13798 sequences assigned
13609 (98.6%) exact matches, in which:
13408 unique CDR3
13 unique J



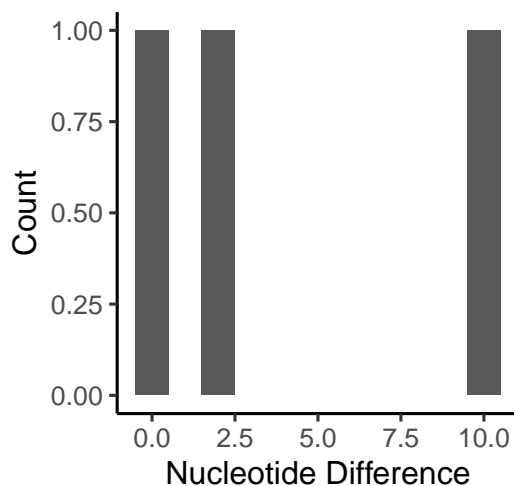
TRBV28*ap01

9217 sequences assigned
9118 (98.9%) exact matches, in which:
8961 unique CDR3
13 unique J



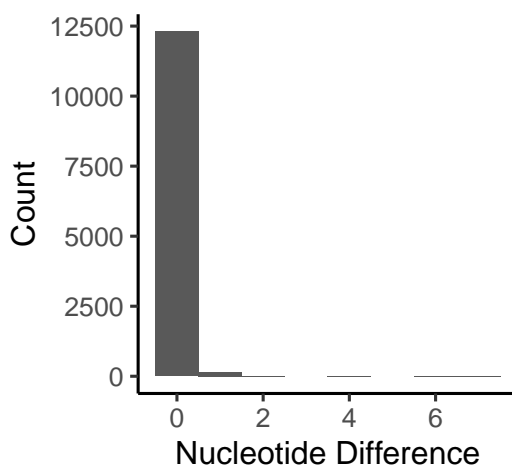
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



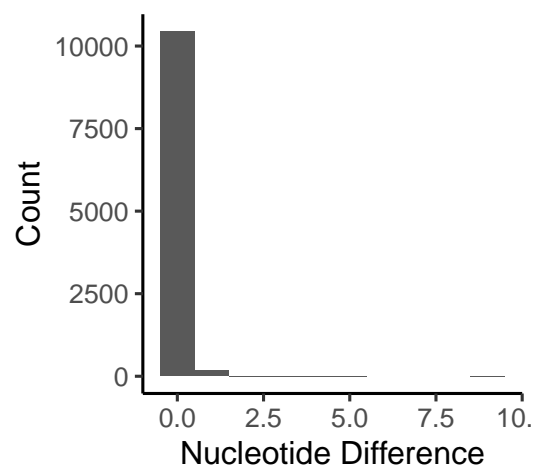
TRBV2*ap01

12471 sequences assigned
12308 (98.7%) exact matches, in which:
12036 unique CDR3
13 unique J



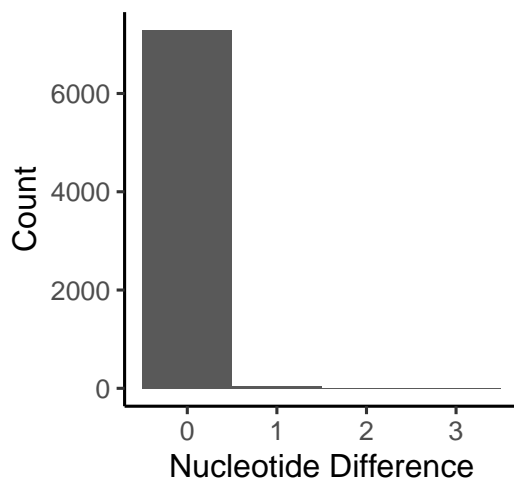
TRBV30*ap01

10626 sequences assigned
10441 (98.3%) exact matches, in which:
10296 unique CDR3
13 unique J



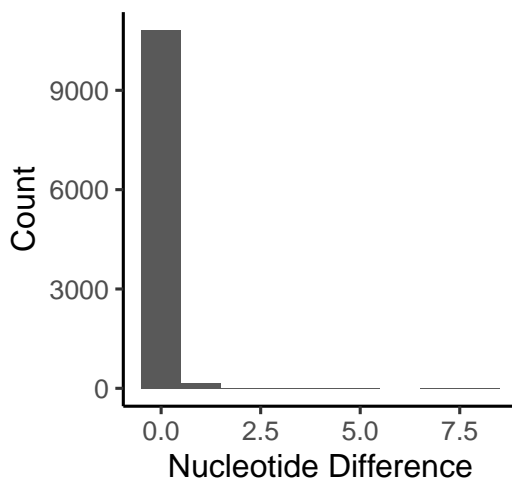
TRBV18*ap01

7346 sequences assigned
7291 (99.3%) exact matches, in which:
7174 unique CDR3
13 unique J



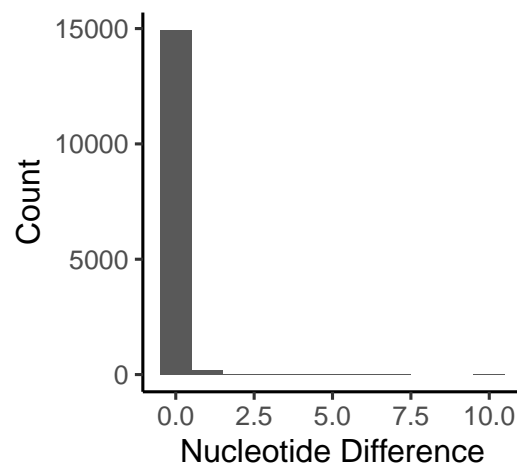
TRBV27*ap01

10991 sequences assigned
10820 (98.4%) exact matches, in which:
10545 unique CDR3
13 unique J



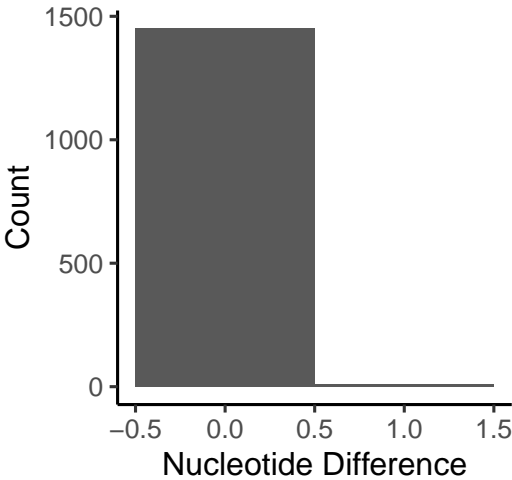
TRBV9*ap01

15136 sequences assigned
14947 (98.8%) exact matches, in which:
14621 unique CDR3
13 unique J



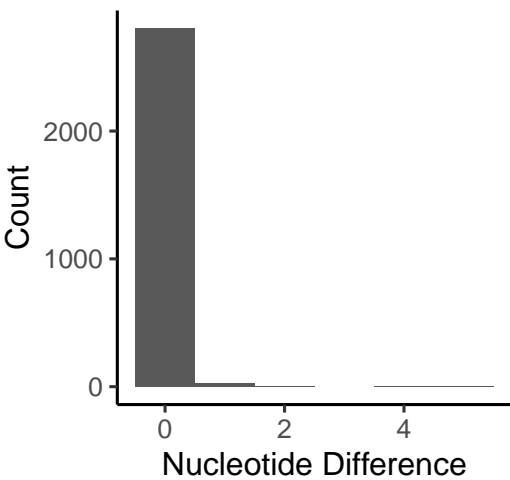
TRBV11-1*ap01

1463 sequences assigned
1451 (99.2%) exact matches, in which:
1417 unique CDR3
13 unique J



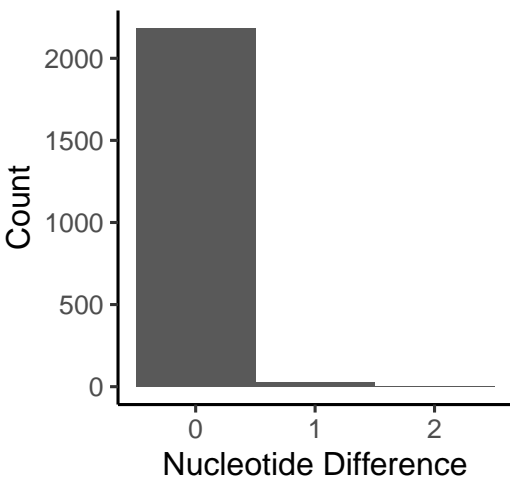
TRBV11-3*ap01

2839 sequences assigned
2803 (98.7%) exact matches, in which:
2761 unique CDR3
13 unique J



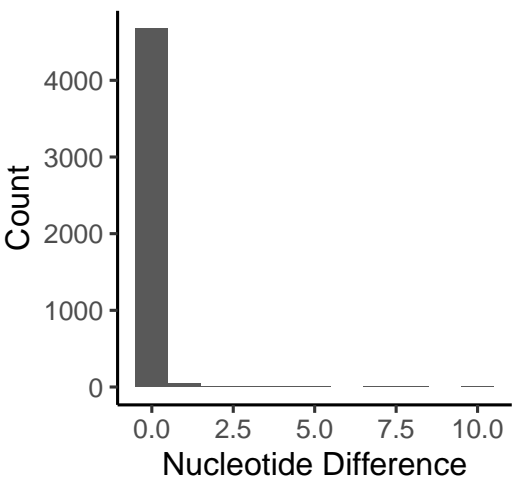
TRBV12-5*ap01

2216 sequences assigned
2182 (98.5%) exact matches, in which:
2126 unique CDR3
13 unique J



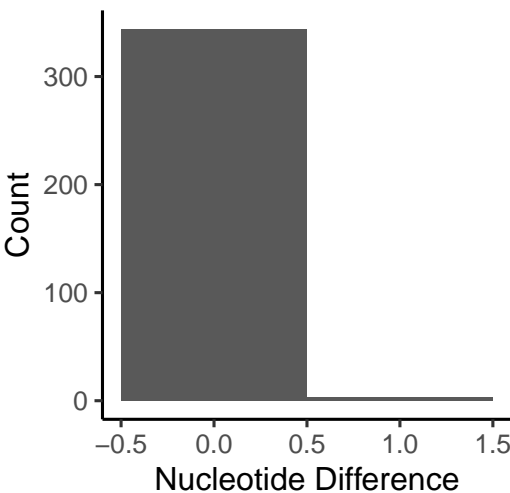
TRBV21-1*ap01

4734 sequences assigned
4673 (98.7%) exact matches, in which:
4581 unique CDR3
13 unique J



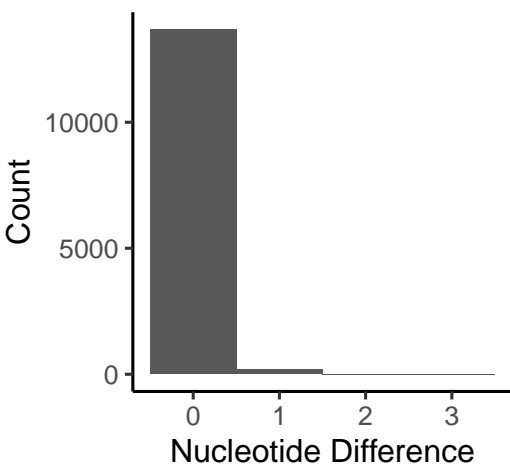
TRBV12-1*ap01

347 sequences assigned
344 (99.1%) exact matches, in which:
339 unique CDR3
13 unique J



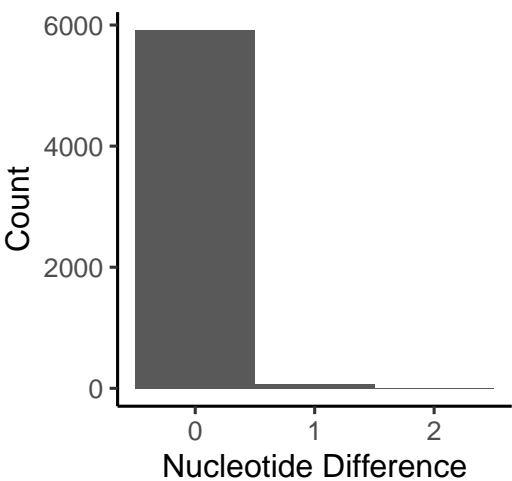
TRBV12-34*ap01

13873 sequences assigned
13682 (98.6%) exact matches, in which:
13406 unique CDR3
13 unique J



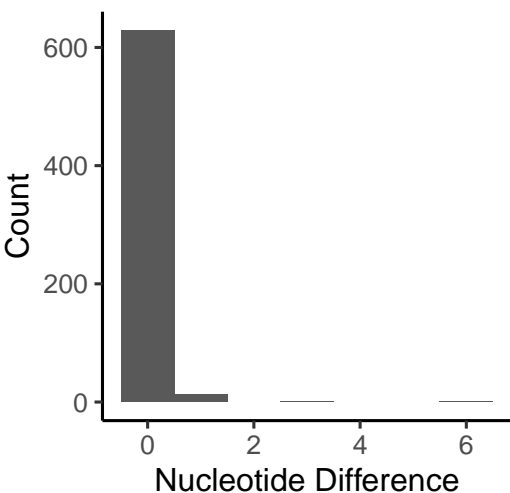
TRBV11-2*ap01

5987 sequences assigned
5917 (98.8%) exact matches, in which:
5772 unique CDR3
13 unique J



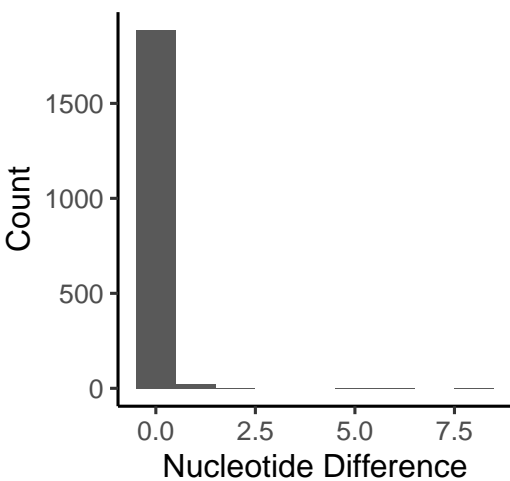
TRBV12-2*ap01

643 sequences assigned
629 (97.8%) exact matches, in which:
612 unique CDR3
13 unique J



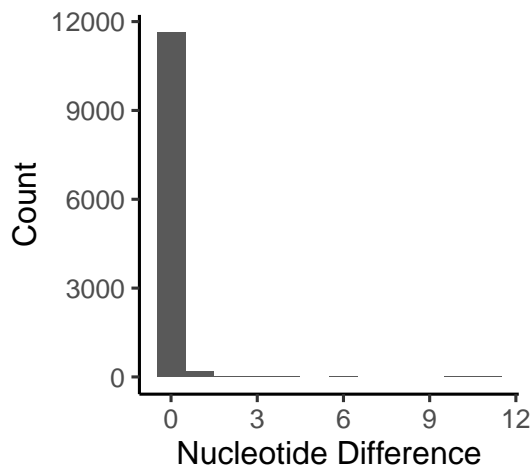
TRBV23-1*ap01

1915 sequences assigned
1886 (98.5%) exact matches, in which:
1848 unique CDR3
13 unique J



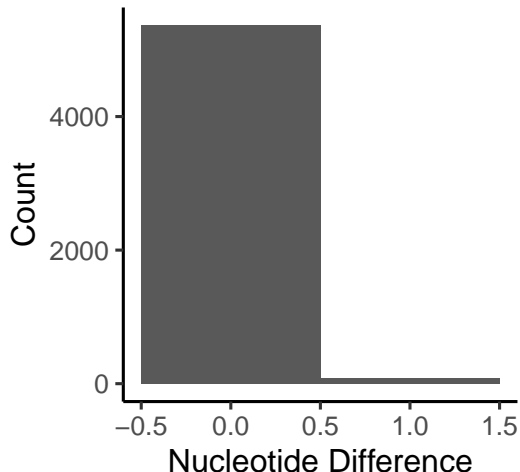
TRBV3-12*ap01

11837 sequences assigned
11644 (98.4%) exact matches, in which:
11412 unique CDR3
13 unique J



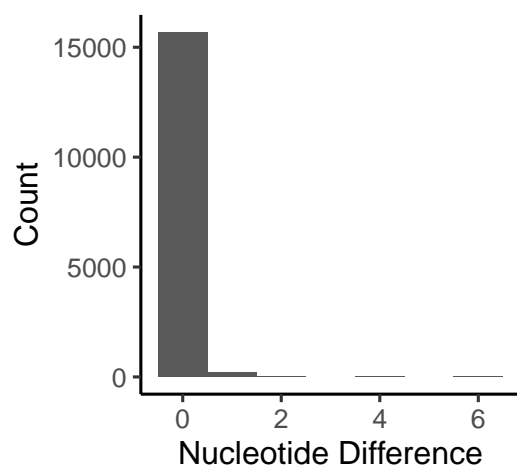
TRBV4-2*ap01

5449 sequences assigned
5365 (98.5%) exact matches, in which:
5244 unique CDR3
13 unique J



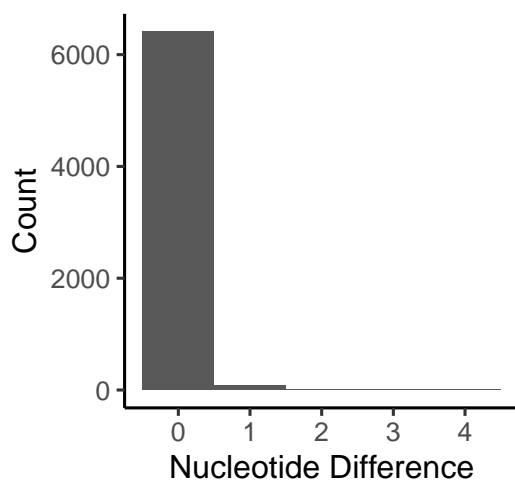
TRBV5-1*ap01

15879 sequences assigned
15687 (98.8%) exact matches, in which:
15307 unique CDR3
13 unique J



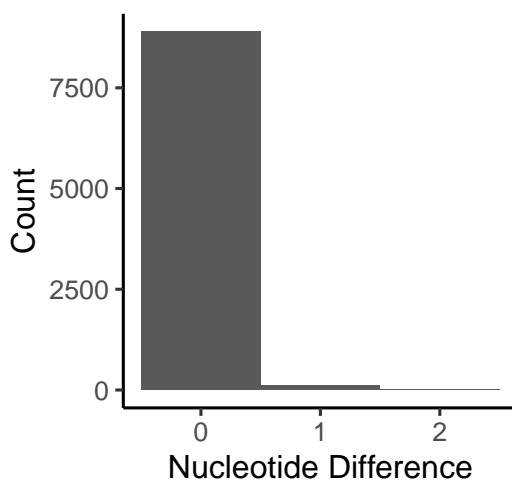
TRBV4-1*ap01

6488 sequences assigned
6410 (98.8%) exact matches, in which:
6268 unique CDR3
13 unique J



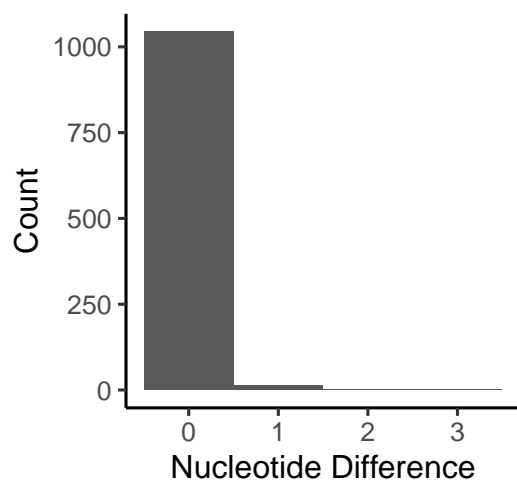
TRBV4-3*ap01

8999 sequences assigned
8892 (98.8%) exact matches, in which:
8654 unique CDR3
13 unique J



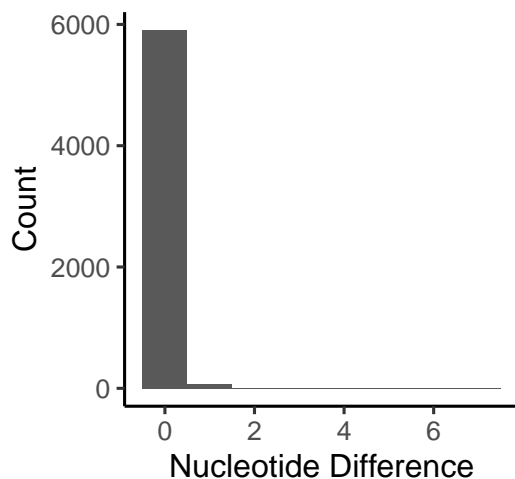
TRBV5-3*ap01

1061 sequences assigned
1044 (98.4%) exact matches, in which:
1026 unique CDR3
13 unique J



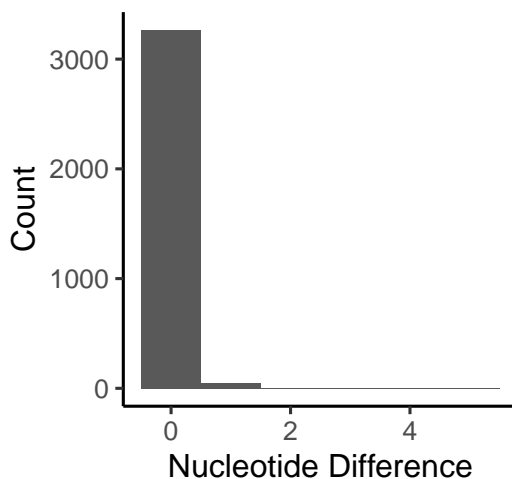
TRBV24-1*ap01

5992 sequences assigned
5907 (98.6%) exact matches, in which:
5798 unique CDR3
13 unique J



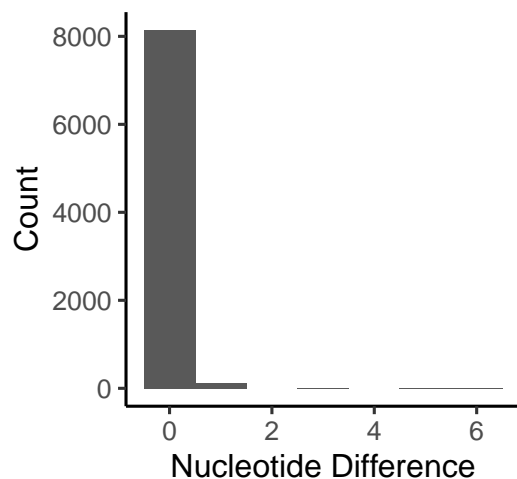
TRBV25-1*ap01

3322 sequences assigned
3265 (98.3%) exact matches, in which:
3206 unique CDR3
13 unique J



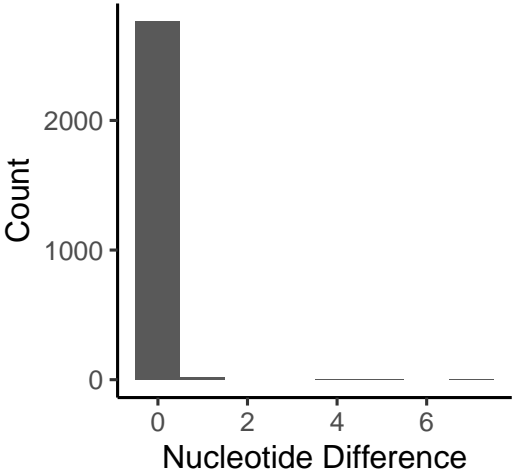
TRBV5-4*ap01

8265 sequences assigned
8143 (98.5%) exact matches, in which:
7937 unique CDR3
13 unique J



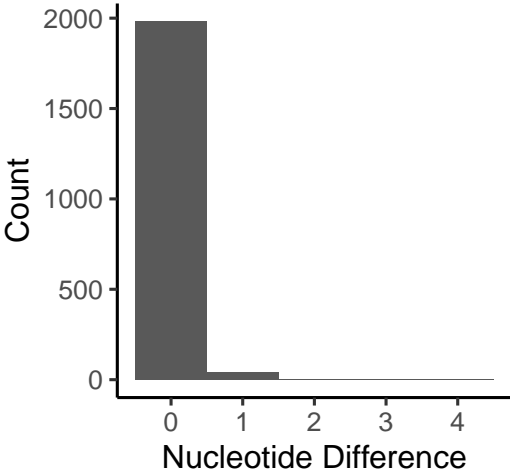
TRBV5-5*ap01

2789 sequences assigned
2764 (99.1%) exact matches, in which:
2736 unique CDR3
13 unique J



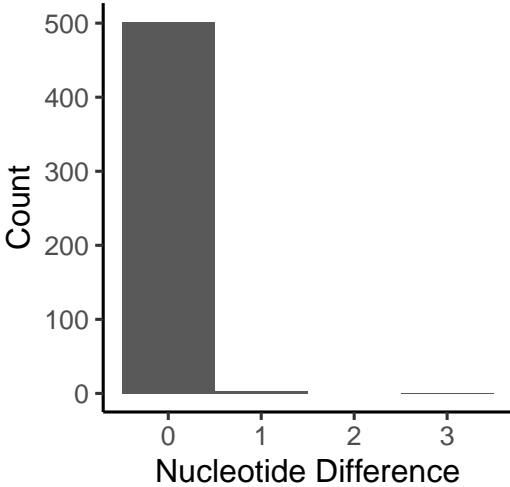
TRBV5-8*ap01

2030 sequences assigned
1982 (97.6%) exact matches, in which:
1925 unique CDR3
13 unique J



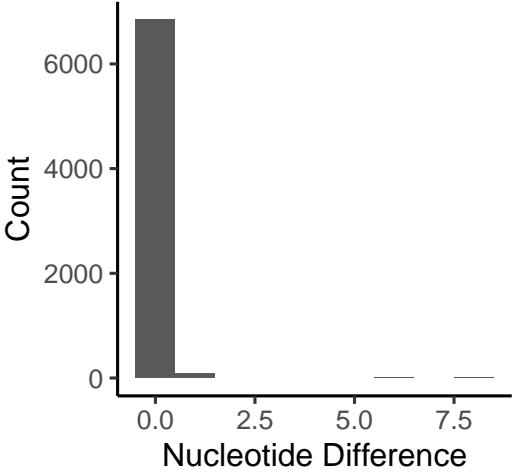
TRBV6-7*ap01

506 sequences assigned
502 (99.2%) exact matches, in which:
487 unique CDR3
13 unique J



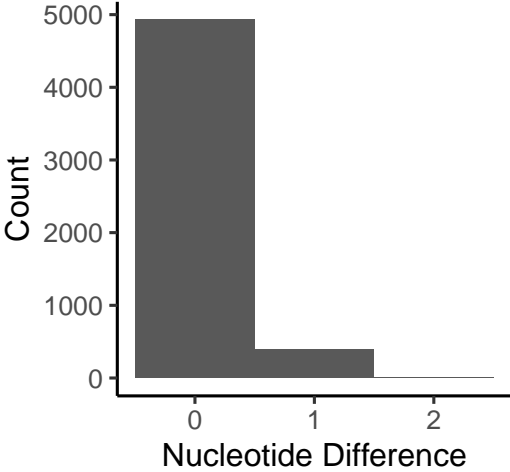
TRBV5-6*ap01

6936 sequences assigned
6844 (98.7%) exact matches, in which:
6665 unique CDR3
13 unique J



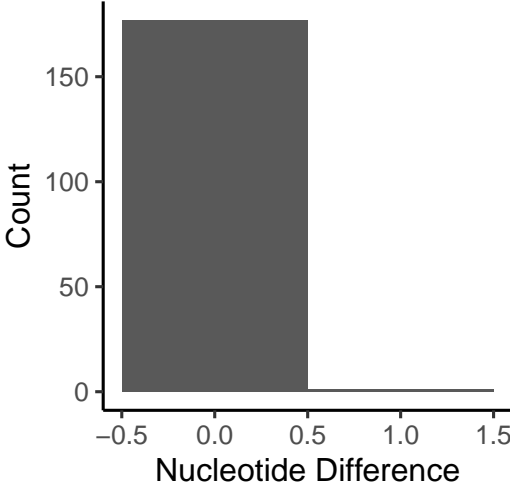
TRBV6-1*ap01

5327 sequences assigned
4930 (92.5%) exact matches, in which:
4793 unique CDR3
13 unique J



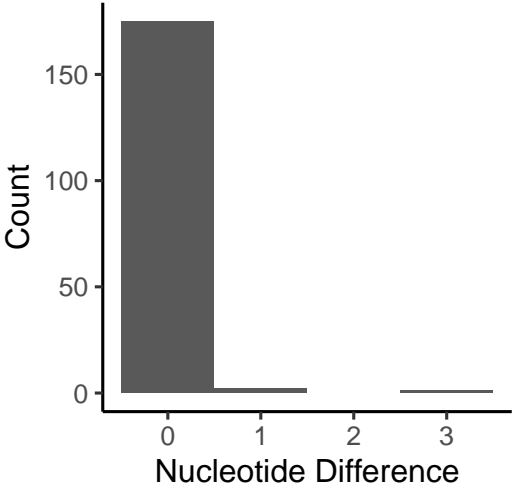
TRBV6-8*ap01

178 sequences assigned
177 (99.4%) exact matches, in which:
175 unique CDR3
12 unique J



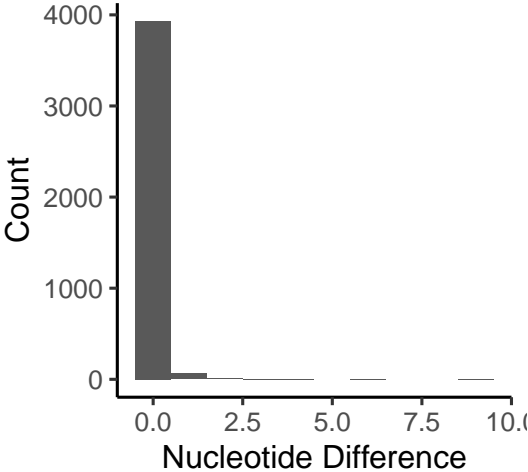
TRBV5-7*ap01

178 sequences assigned
175 (98.3%) exact matches, in which:
172 unique CDR3
12 unique J



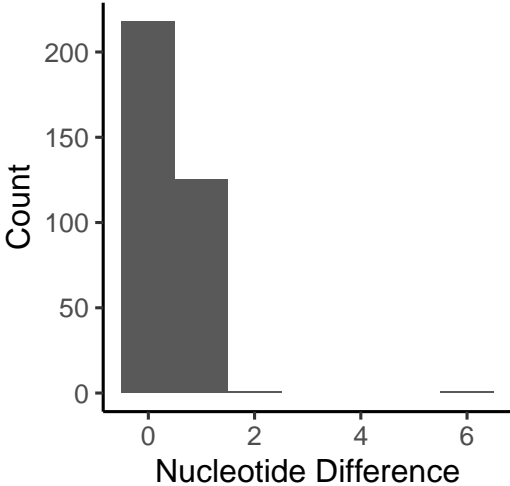
TRBV6-4*ap01

4013 sequences assigned
3932 (98%) exact matches, in which:
3864 unique CDR3
13 unique J



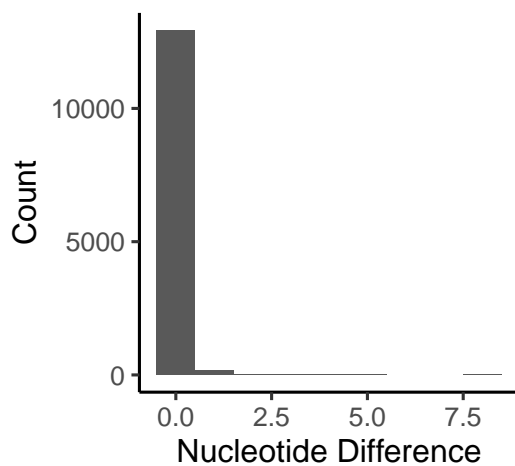
TRBV6-9*ap01

345 sequences assigned
218 (63.2%) exact matches, in which:
214 unique CDR3
13 unique J



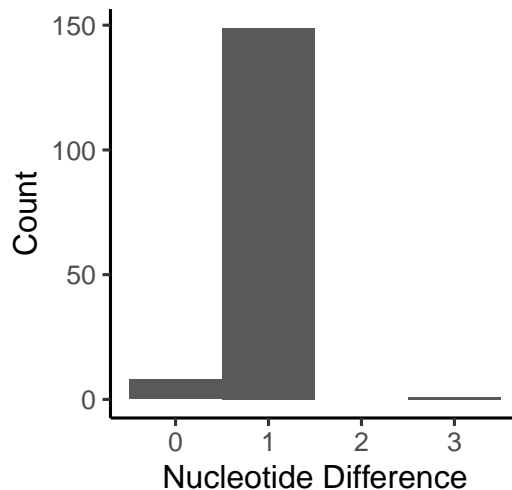
TRBV6–23*ap01

13118 sequences assigned
12937 (98.6%) exact matches, in which:
12639 unique CDR3
13 unique J



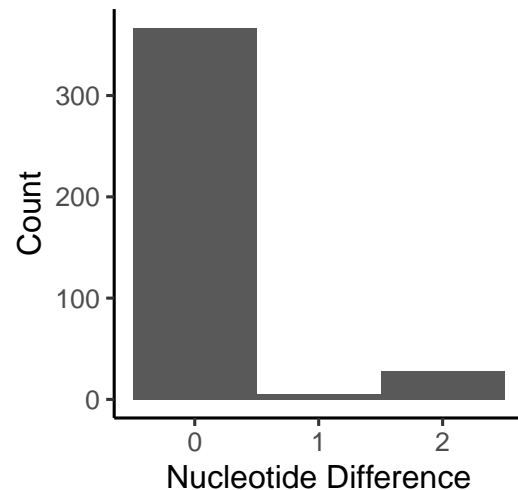
TRBV7–1*ap01_T296C

158 sequences assigned
8 (5.1%) exact matches, in which:
8 unique CDR3
3 unique J



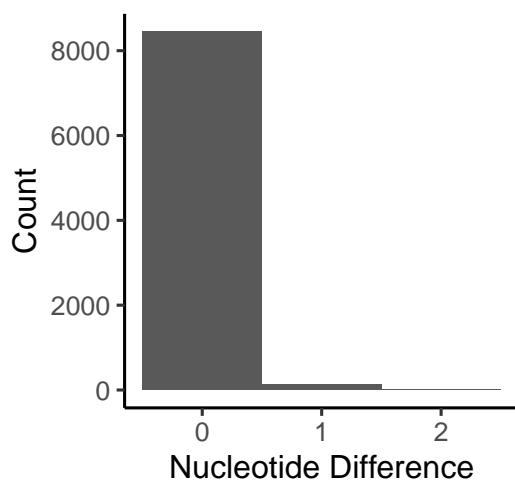
TRBV7–4*ap01

400 sequences assigned
367 (91.8%) exact matches, in which:
360 unique CDR3
13 unique J



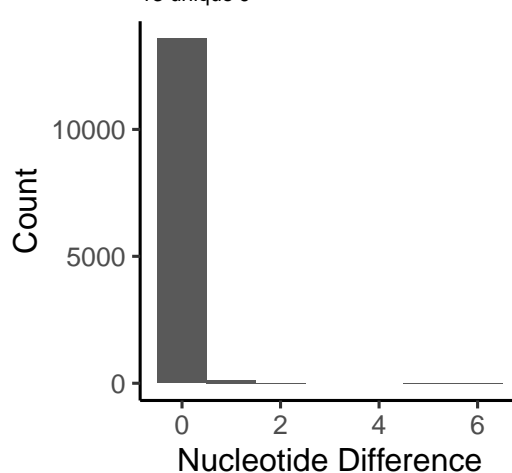
TRBV6–56*ap01

8570 sequences assigned
8447 (98.6%) exact matches, in which:
8231 unique CDR3
13 unique J



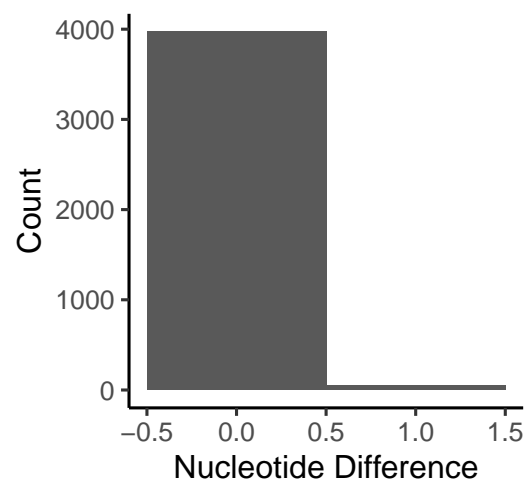
TRBV7–2*ap01

13717 sequences assigned
13582 (99%) exact matches, in which:
13308 unique CDR3
13 unique J



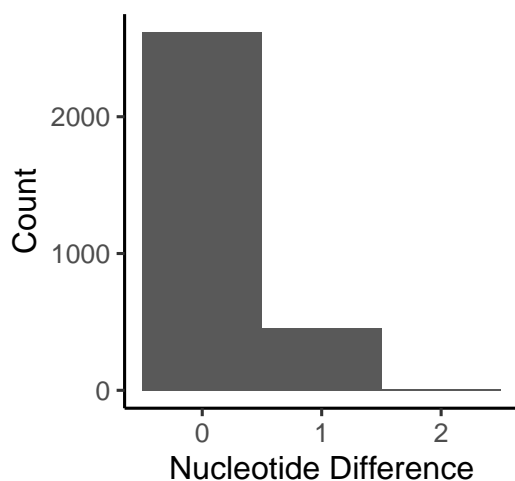
TRBV7–6*ap01

4019 sequences assigned
3972 (98.8%) exact matches, in which:
3843 unique CDR3
13 unique J



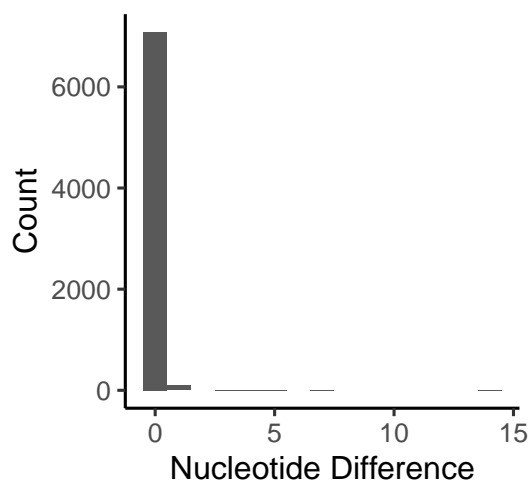
TRBV6–56*ap02

3082 sequences assigned
2619 (85%) exact matches, in which:
2564 unique CDR3
13 unique J



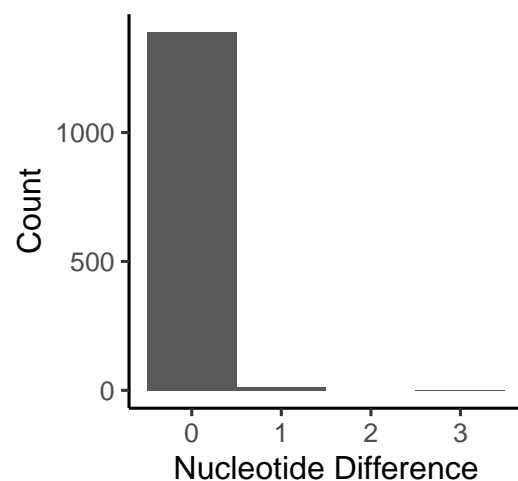
TRBV7–3*ap01

7185 sequences assigned
7084 (98.6%) exact matches, in which:
6965 unique CDR3
13 unique J



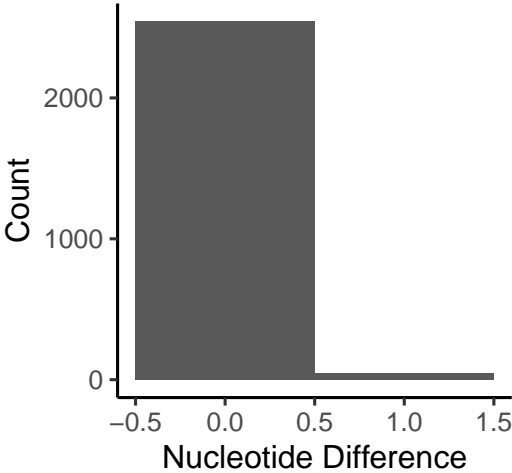
TRBV7–7*ap01_C315T

1405 sequences assigned
1390 (98.9%) exact matches, in which:
1365 unique CDR3
13 unique J



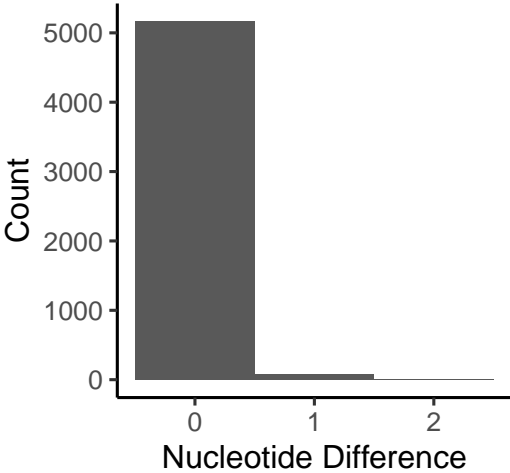
TRBV7-8*ap01

2588 sequences assigned
2543 (98.3%) exact matches, in which:
2482 unique CDR3
13 unique J



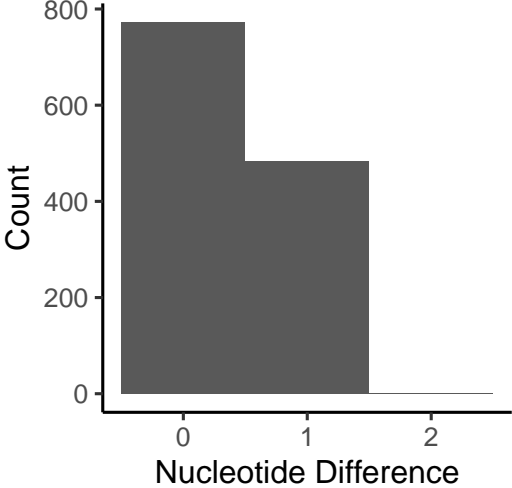
TRBV29-1*ap01

5241 sequences assigned
5165 (98.5%) exact matches, in which:
5062 unique CDR3
13 unique J



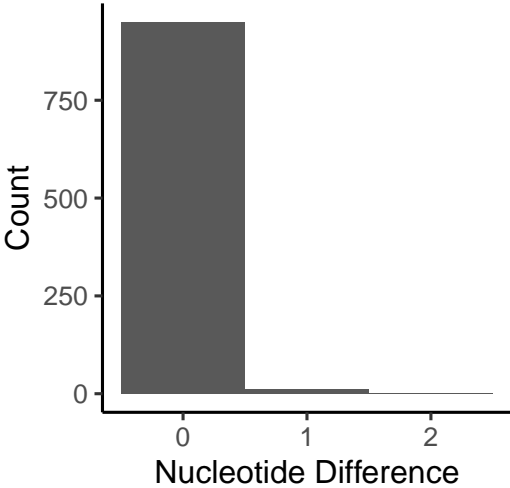
TRBV7-8*ap03

1259 sequences assigned
773 (61.4%) exact matches, in which:
754 unique CDR3
13 unique J



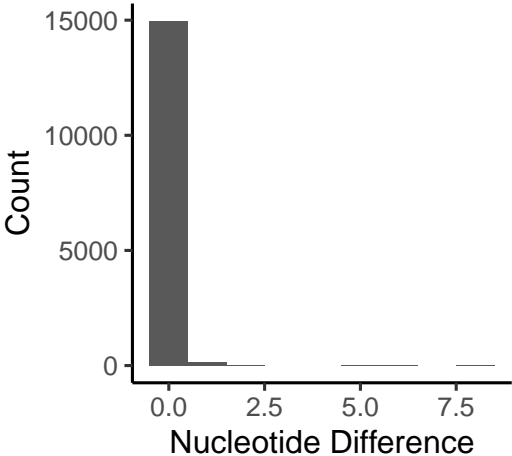
TRBV29-1*ap02

964 sequences assigned
950 (98.5%) exact matches, in which:
922 unique CDR3
13 unique J

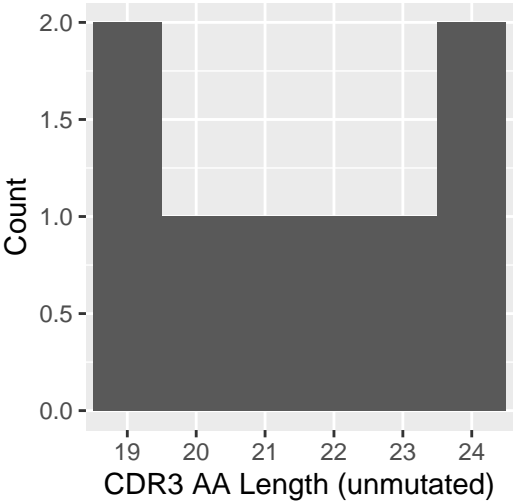


TRBV7-9*ap01

15149 sequences assigned
14973 (98.8%) exact matches, in which:
14683 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

