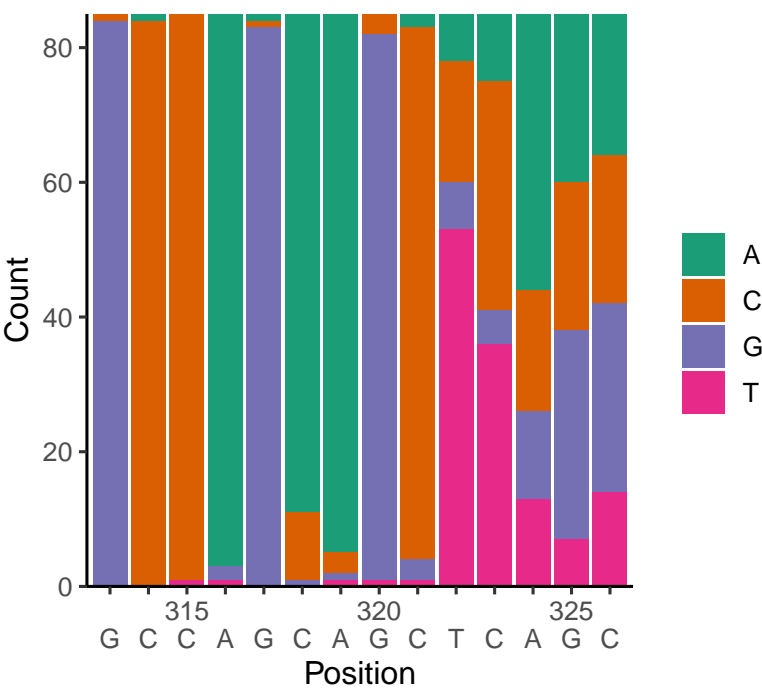
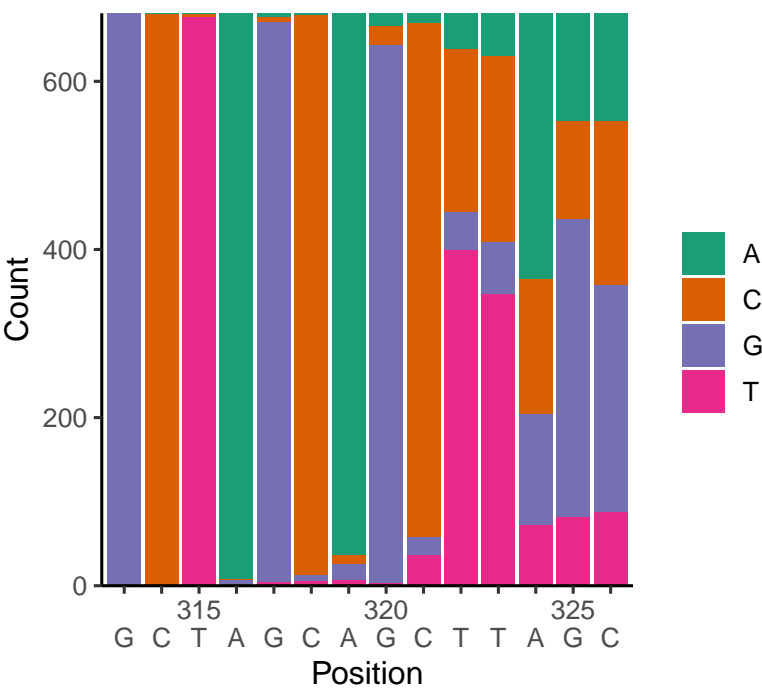


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



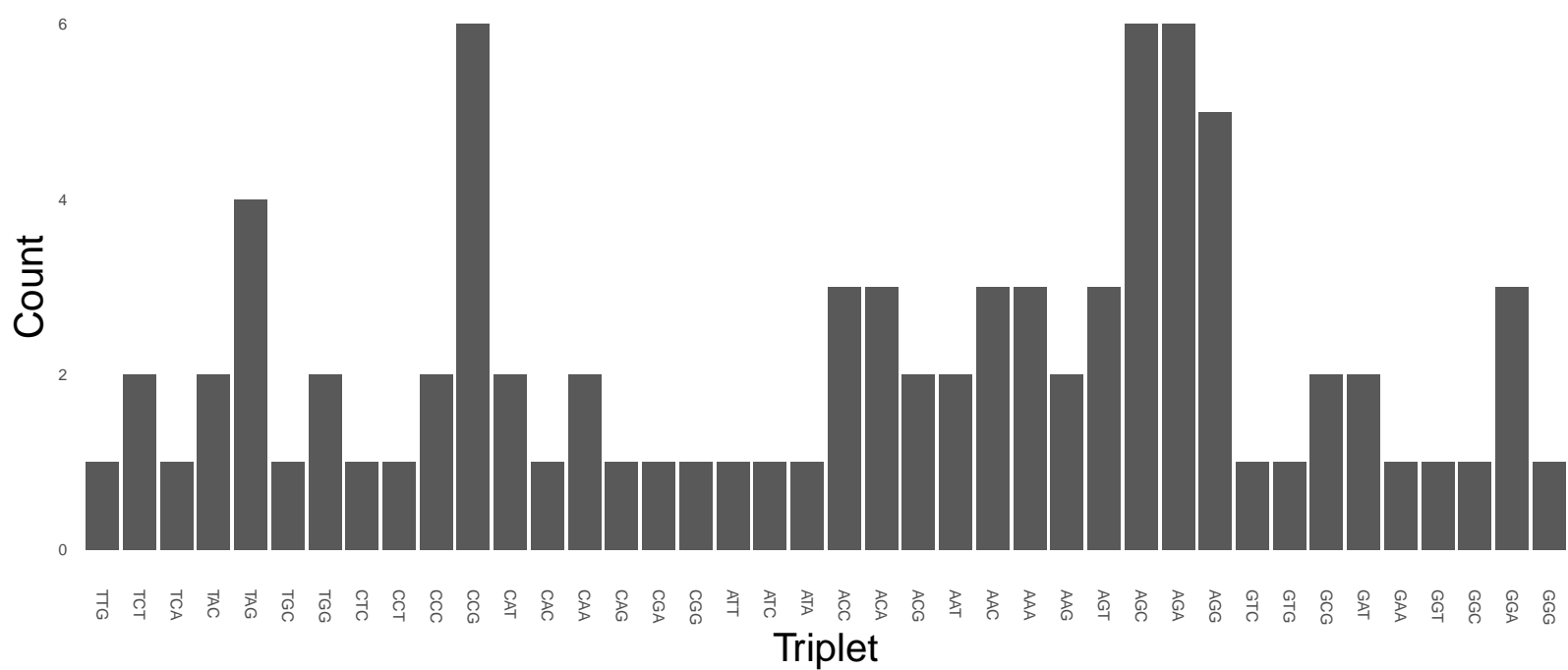
Gene TRBV7-1*ap01_G291C_T296C



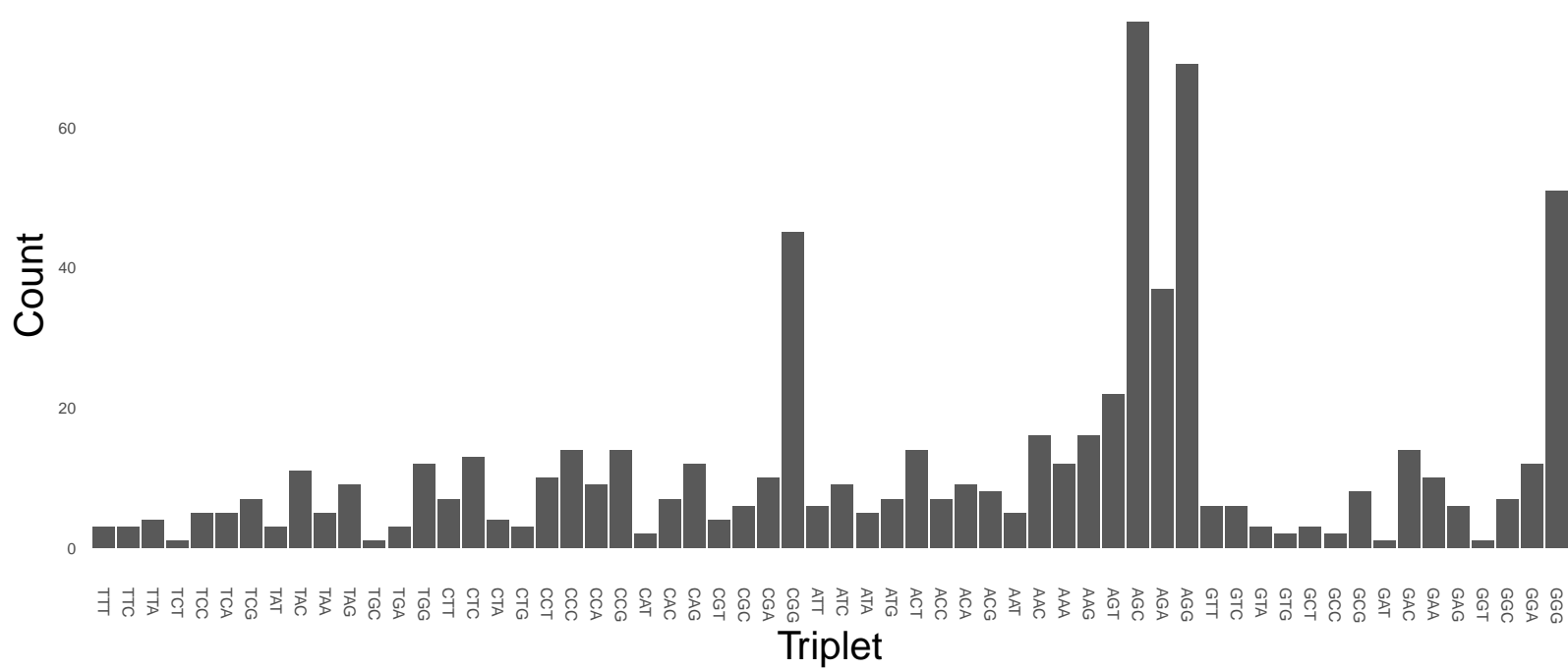
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

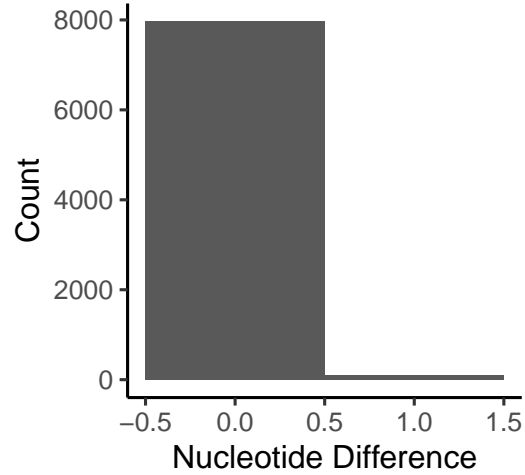


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



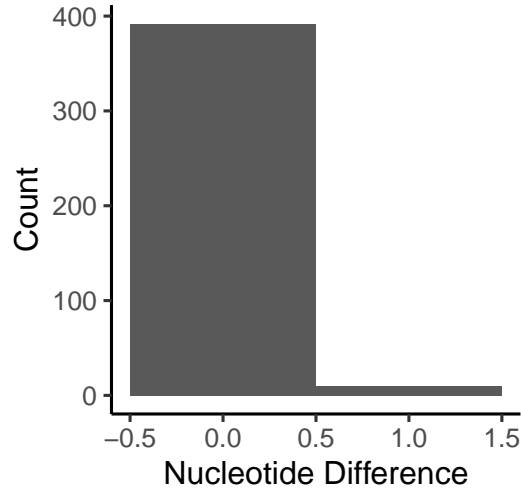
TRBV20-1*ap01

8070 sequences assigned
7967 (98.7%) exact matches, in which:
7821 unique CDR3
13 unique J



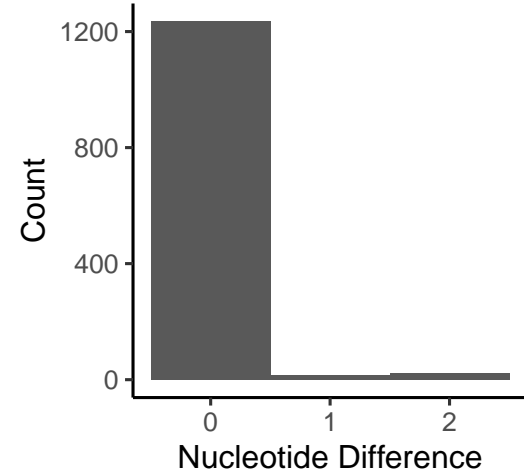
TRBV10-2*ap01

402 sequences assigned
392 (97.5%) exact matches, in which:
382 unique CDR3
13 unique J



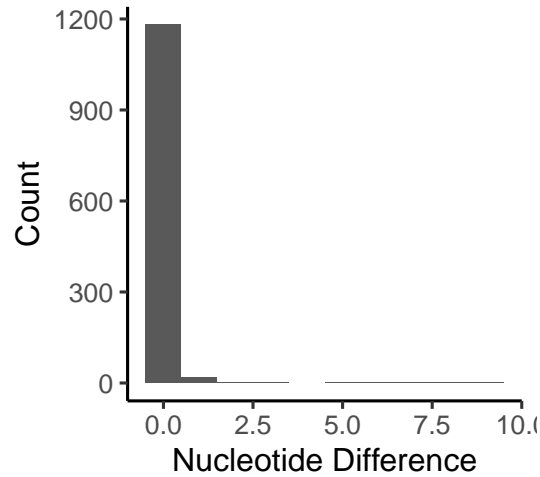
TRBV13*ap01

1273 sequences assigned
1235 (97%) exact matches, in which:
1200 unique CDR3
13 unique J



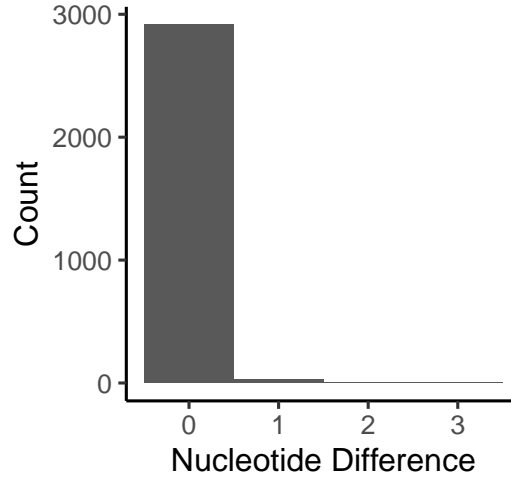
TRBV10-1*ap01

1207 sequences assigned
1181 (97.8%) exact matches, in which:
1145 unique CDR3
13 unique J



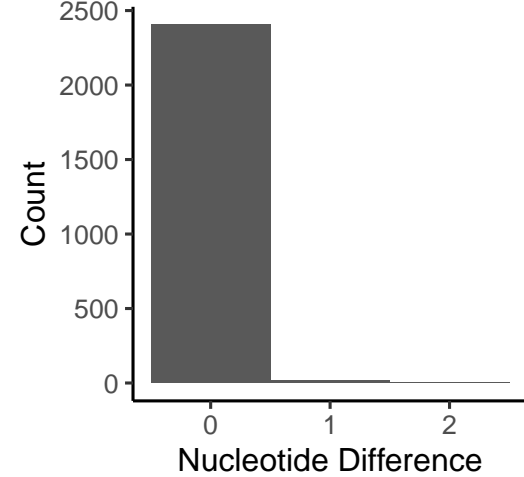
TRBV10-3*ap01

2947 sequences assigned
2915 (98.9%) exact matches, in which:
2845 unique CDR3
13 unique J



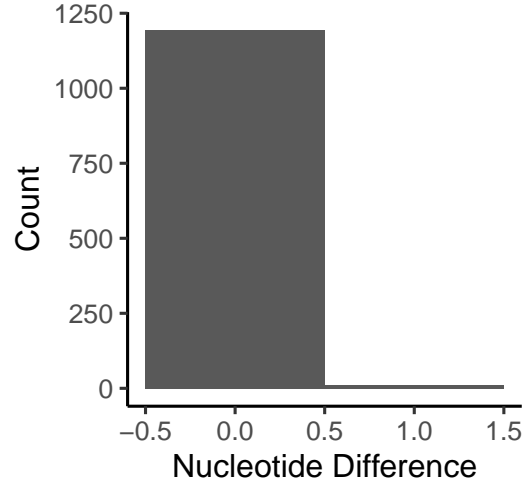
TRBV14*ap01

2423 sequences assigned
2405 (99.3%) exact matches, in which:
2344 unique CDR3
13 unique J



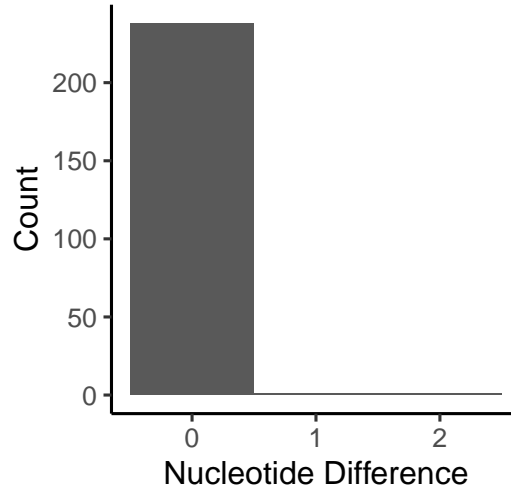
TRBV20-1*ap02

1205 sequences assigned
1194 (99.1%) exact matches, in which:
1167 unique CDR3
13 unique J



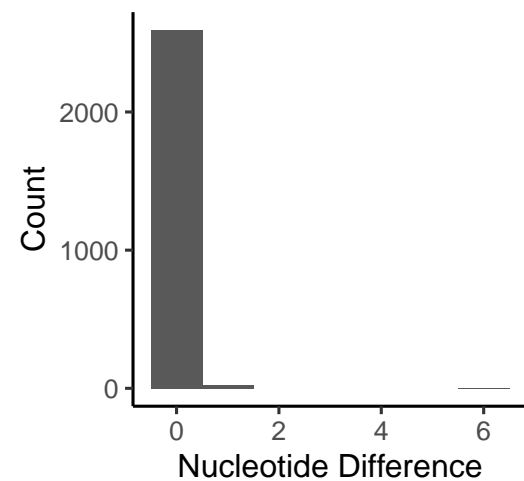
TRBV1*ap01

240 sequences assigned
238 (99.2%) exact matches, in which:
234 unique CDR3
12 unique J



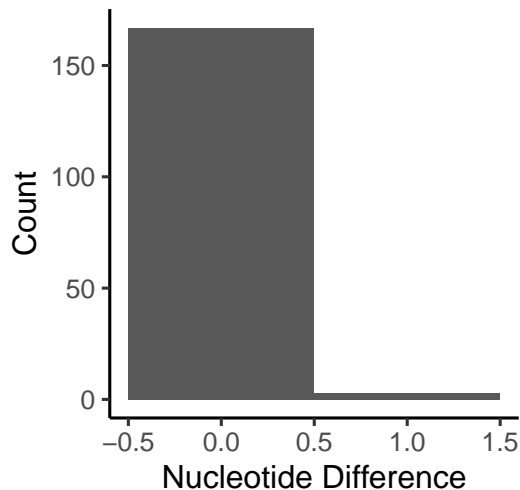
TRBV15*ap02

2617 sequences assigned
2593 (99.1%) exact matches, in which:
2537 unique CDR3
13 unique J



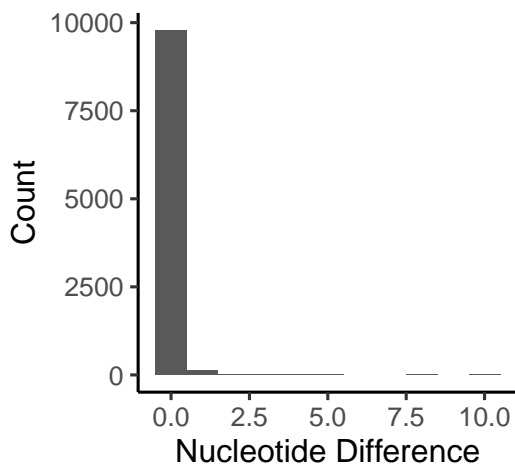
TRBV16*ap01

170 sequences assigned
167 (98.2%) exact matches, in which:
164 unique CDR3
13 unique J



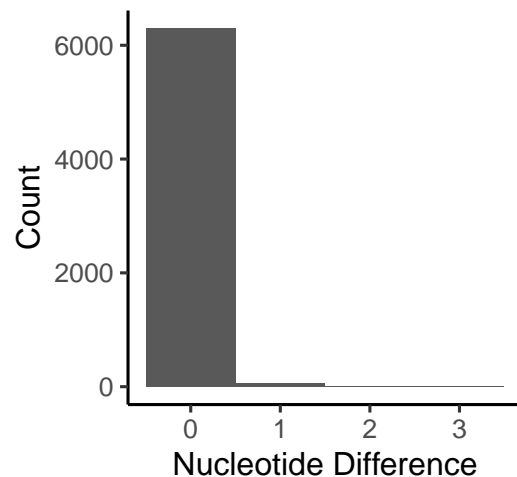
TRBV19*ap01

9912 sequences assigned
9787 (98.7%) exact matches, in which:
9645 unique CDR3
13 unique J



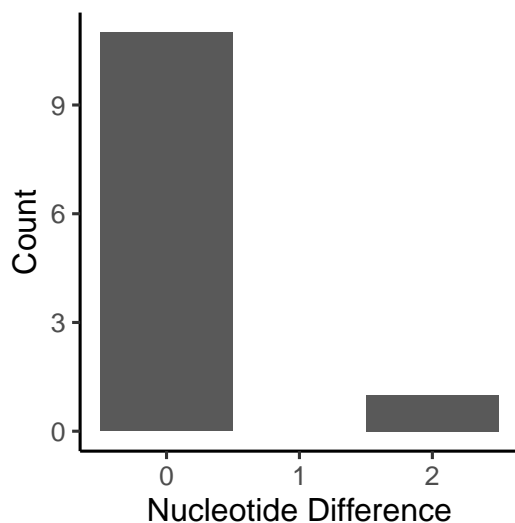
TRBV27*ap01

6363 sequences assigned
6296 (98.9%) exact matches, in which:
6145 unique CDR3
13 unique J



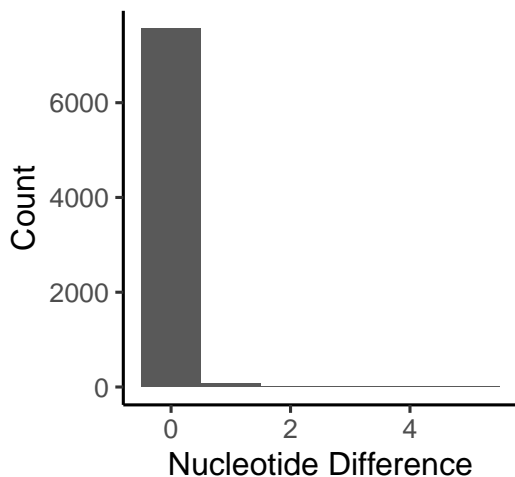
TRBV17*ap01

12 sequences assigned
11 (91.7%) exact matches, in which:
11 unique CDR3
6 unique J



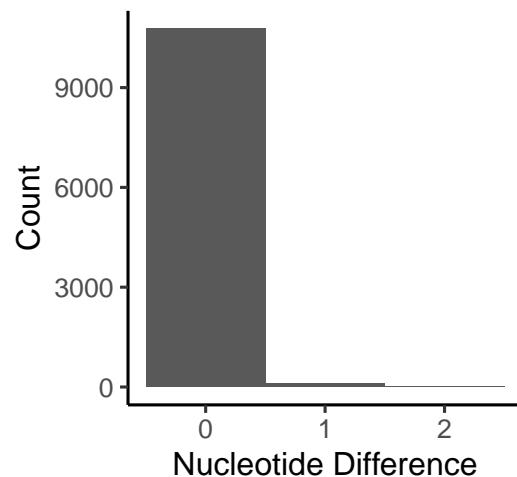
TRBV2*ap01

7631 sequences assigned
7561 (99.1%) exact matches, in which:
7392 unique CDR3
13 unique J



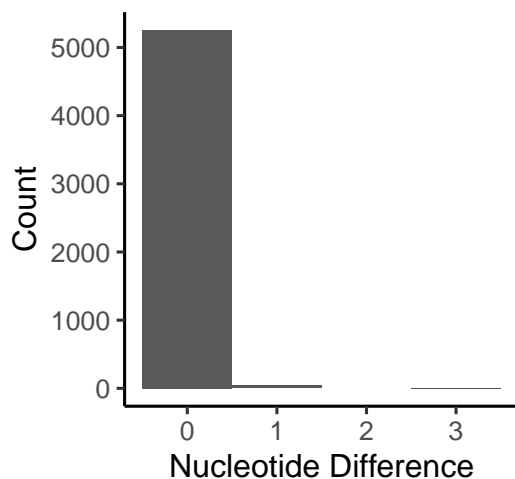
TRBV28*ap01

10889 sequences assigned
10770 (98.9%) exact matches, in which:
10503 unique CDR3
13 unique J



TRBV18*ap01

5301 sequences assigned
5256 (99.2%) exact matches, in which:
5167 unique CDR3
13 unique J



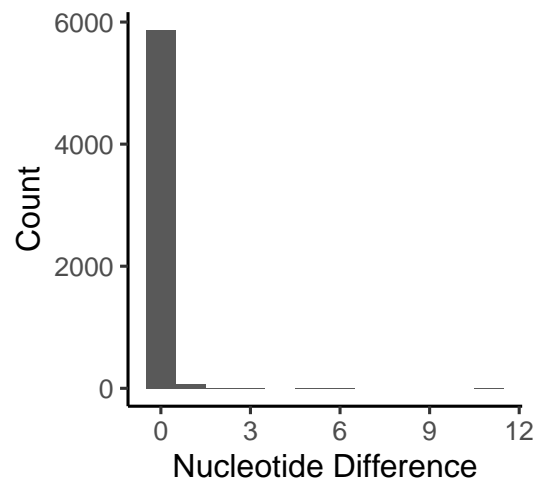
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



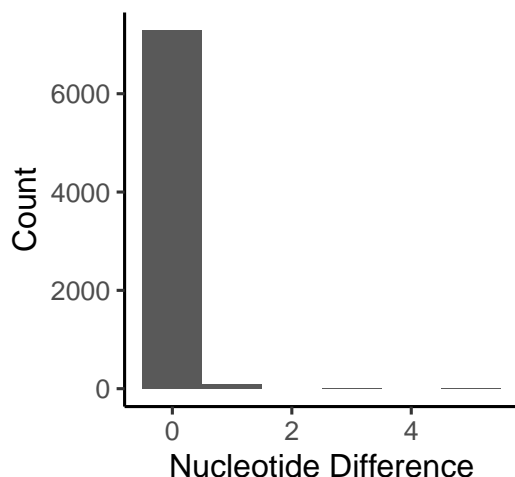
TRBV30*ap01

5956 sequences assigned
5869 (98.5%) exact matches, in which:
5783 unique CDR3
13 unique J



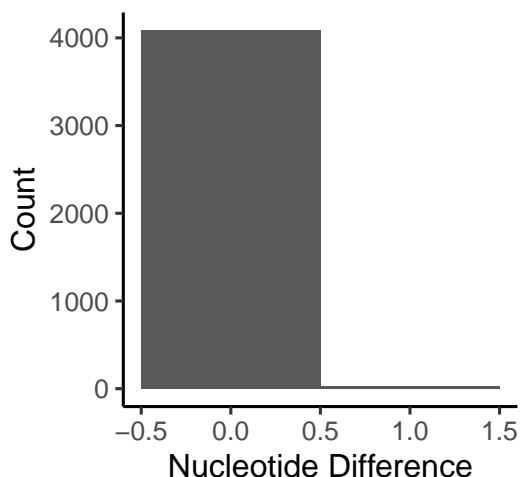
TRBV9*ap01

7388 sequences assigned
7288 (98.6%) exact matches, in which:
7169 unique CDR3
13 unique J



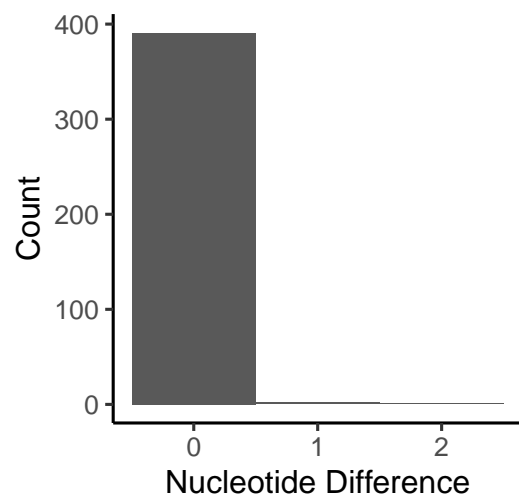
TRBV11-2*ap01

4118 sequences assigned
4085 (99.2%) exact matches, in which:
3973 unique CDR3
13 unique J



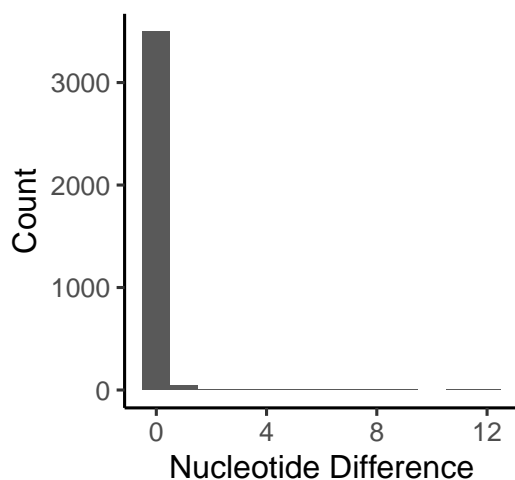
TRBV12-2*ap01

394 sequences assigned
391 (99.2%) exact matches, in which:
384 unique CDR3
13 unique J



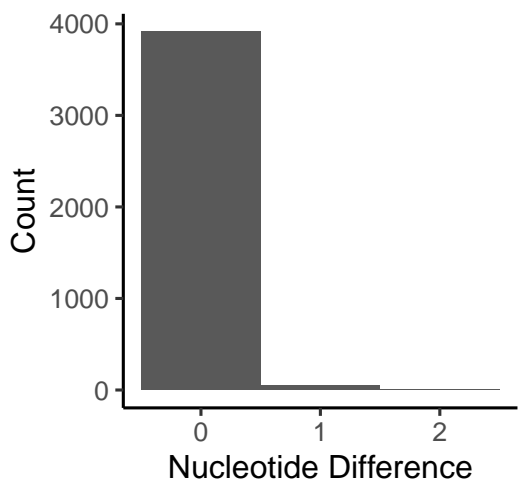
TRBV21-1*ap01

3563 sequences assigned
3496 (98.1%) exact matches, in which:
3425 unique CDR3
13 unique J



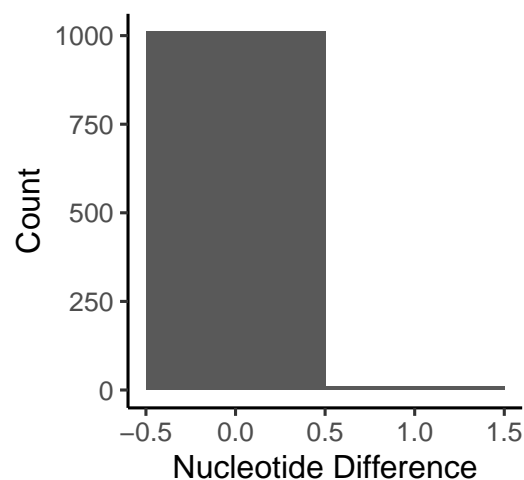
TRBV11-3*ap01

3959 sequences assigned
3914 (98.9%) exact matches, in which:
3826 unique CDR3
13 unique J



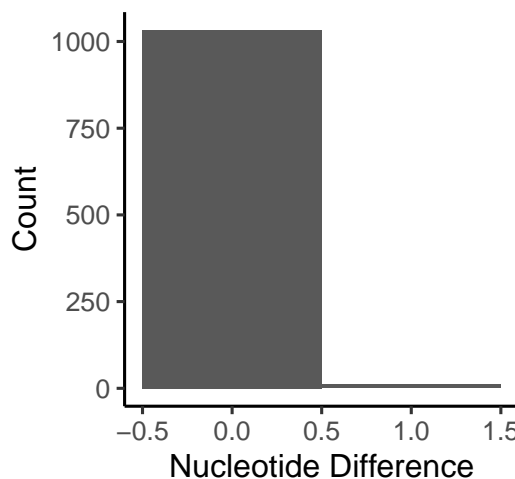
TRBV12-5*ap01

1021 sequences assigned
1011 (99%) exact matches, in which:
986 unique CDR3
13 unique J



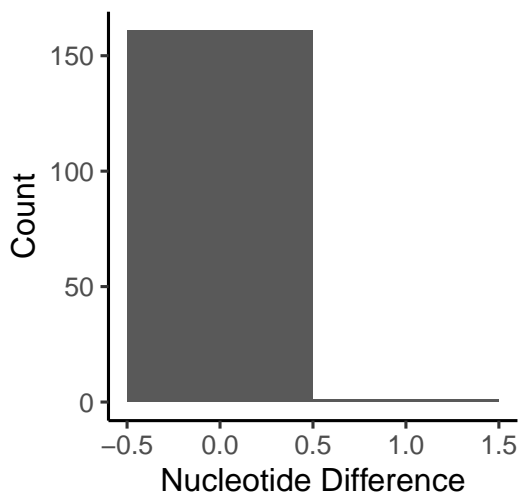
TRBV11-1*ap01

1044 sequences assigned
1033 (98.9%) exact matches, in which:
1012 unique CDR3
13 unique J



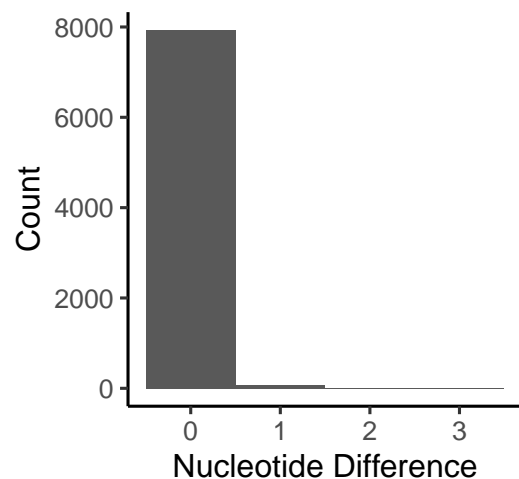
TRBV12-1*ap01

162 sequences assigned
161 (99.4%) exact matches, in which:
159 unique CDR3
12 unique J



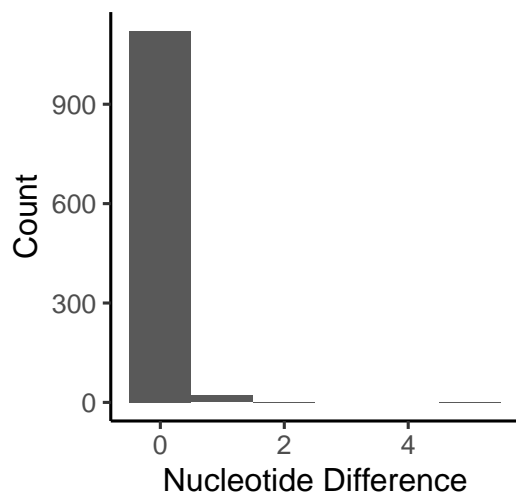
TRBV12-34*ap01

8017 sequences assigned
7932 (98.9%) exact matches, in which:
7759 unique CDR3
13 unique J



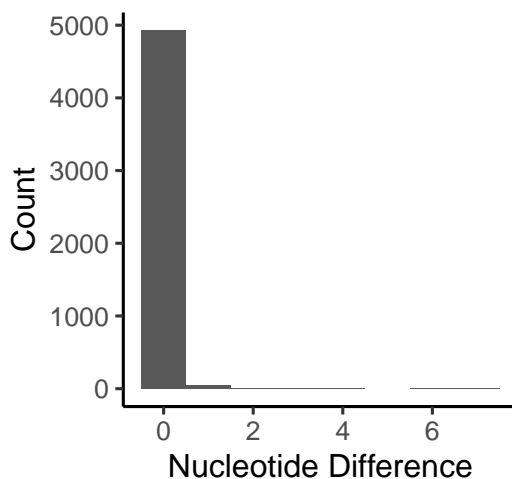
TRBV23–1*ap01

1145 sequences assigned
1122 (98%) exact matches, in which:
1099 unique CDR3
13 unique J



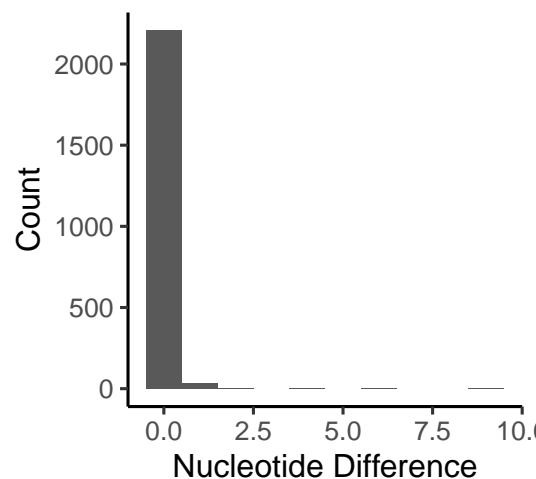
TRBV24–1*ap01

4993 sequences assigned
4928 (98.7%) exact matches, in which:
4852 unique CDR3
13 unique J



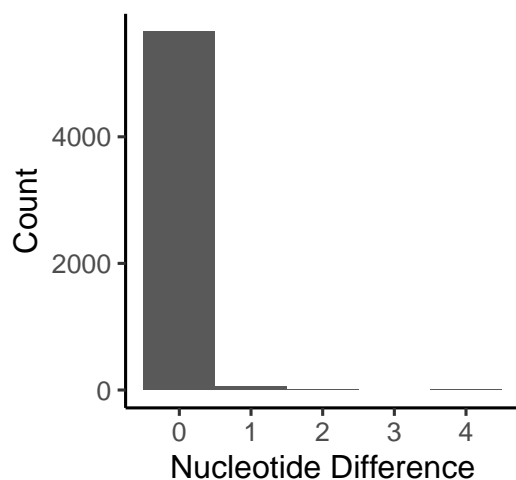
TRBV25–1*ap01

2243 sequences assigned
2207 (98.4%) exact matches, in which:
2172 unique CDR3
13 unique J



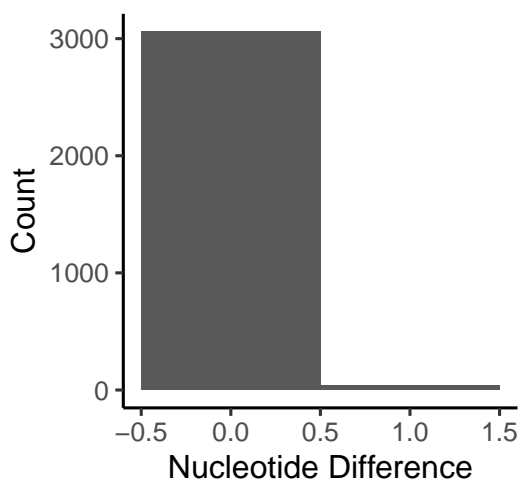
TRBV3–12*ap01

5724 sequences assigned
5660 (98.9%) exact matches, in which:
5545 unique CDR3
13 unique J



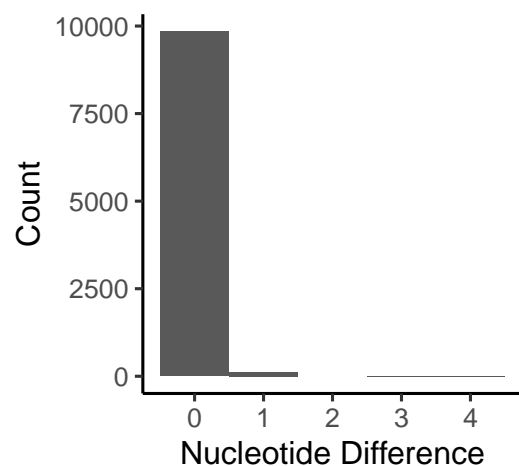
TRBV4–2*ap01

3101 sequences assigned
3059 (98.6%) exact matches, in which:
2999 unique CDR3
13 unique J



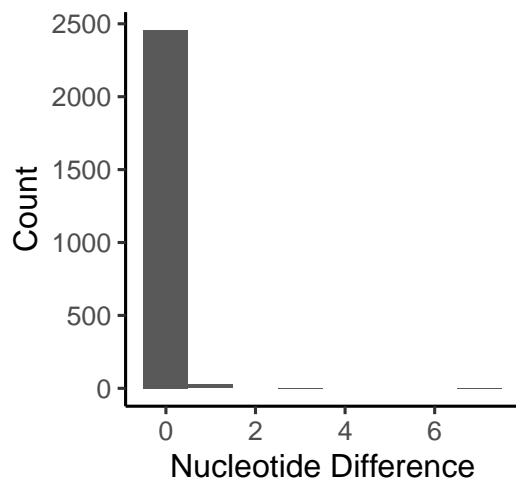
TRBV5–1*ap01

9963 sequences assigned
9845 (98.8%) exact matches, in which:
9622 unique CDR3
13 unique J



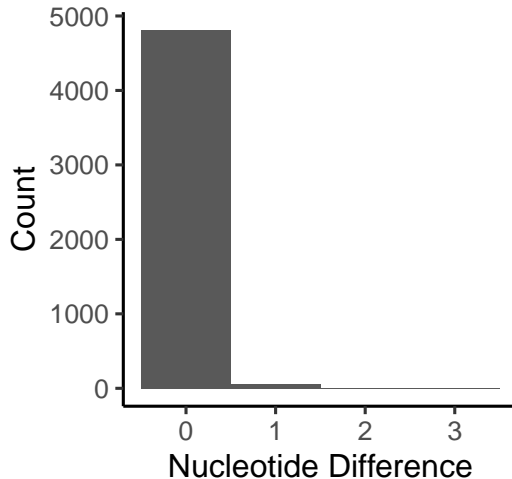
TRBV4–1*ap01

2485 sequences assigned
2457 (98.9%) exact matches, in which:
2408 unique CDR3
13 unique J



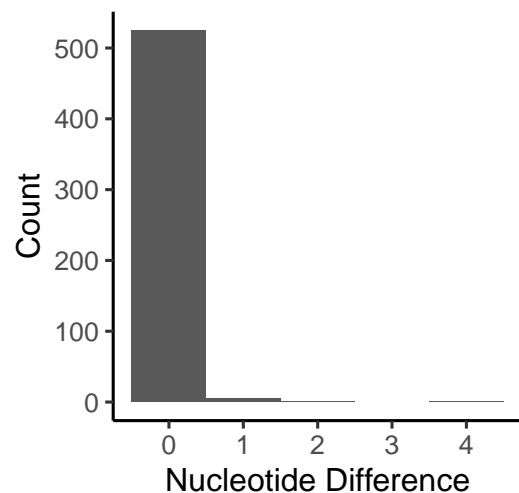
TRBV4–3*ap01

4875 sequences assigned
4811 (98.7%) exact matches, in which:
4703 unique CDR3
13 unique J



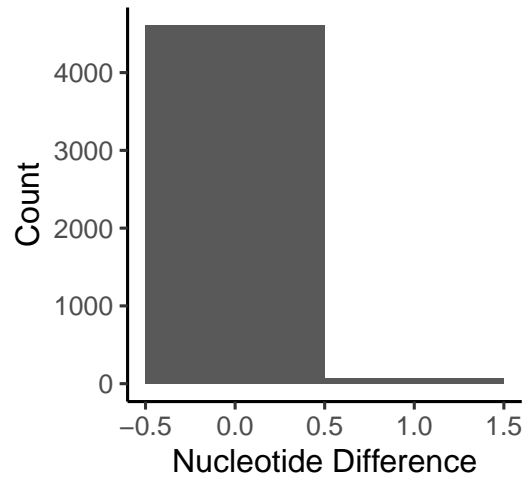
TRBV5–3*ap01

532 sequences assigned
525 (98.7%) exact matches, in which:
508 unique CDR3
13 unique J



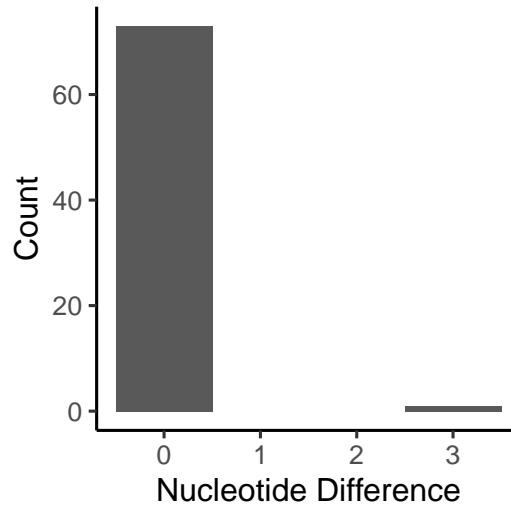
TRBV5-4*ap01

4675 sequences assigned
4607 (98.5%) exact matches, in which:
4516 unique CDR3
13 unique J



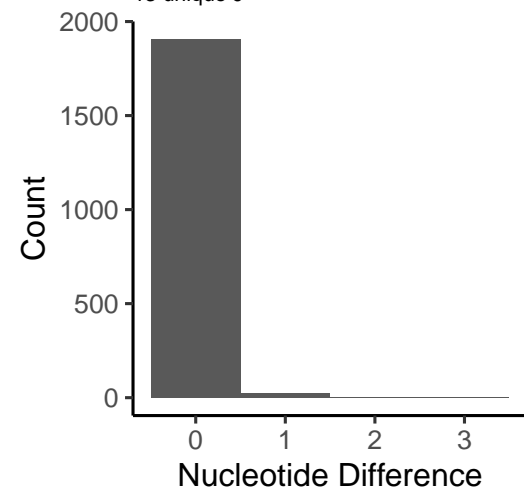
TRBV5-7*ap01

74 sequences assigned
73 (98.6%) exact matches, in which:
72 unique CDR3
12 unique J



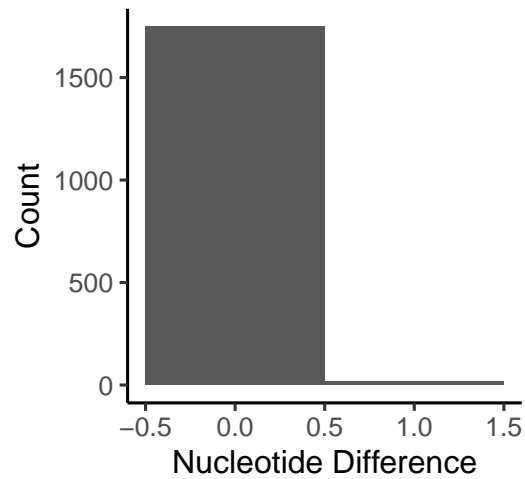
TRBV6-4*ap01

1934 sequences assigned
1905 (98.5%) exact matches, in which:
1868 unique CDR3
13 unique J



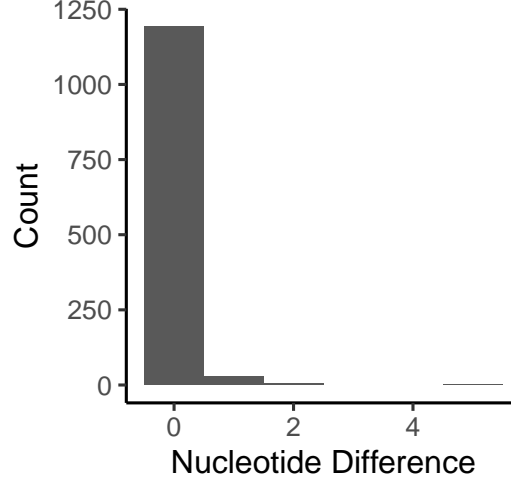
TRBV5-5*ap01

1766 sequences assigned
1748 (99%) exact matches, in which:
1722 unique CDR3
13 unique J



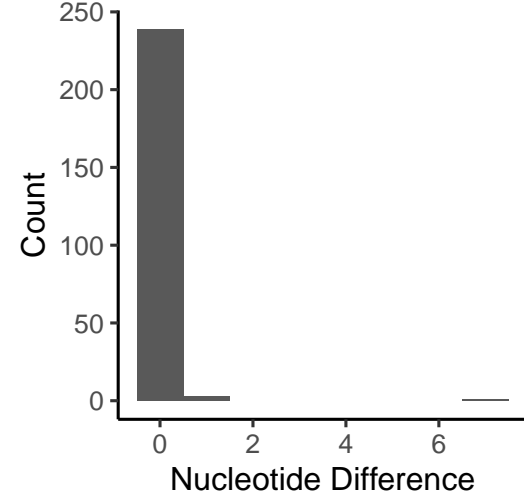
TRBV5-8*ap01

1226 sequences assigned
1192 (97.2%) exact matches, in which:
1173 unique CDR3
13 unique J



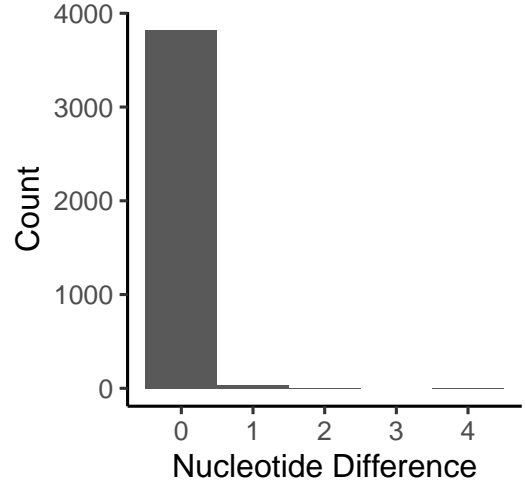
TRBV6-7*ap01

243 sequences assigned
239 (98.4%) exact matches, in which:
231 unique CDR3
13 unique J



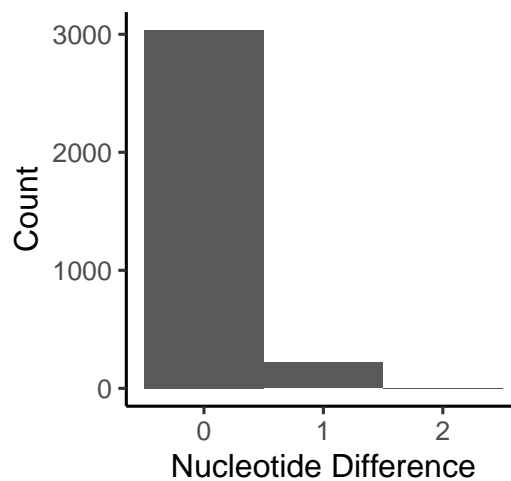
TRBV5-6*ap01

3861 sequences assigned
3821 (99%) exact matches, in which:
3720 unique CDR3
13 unique J



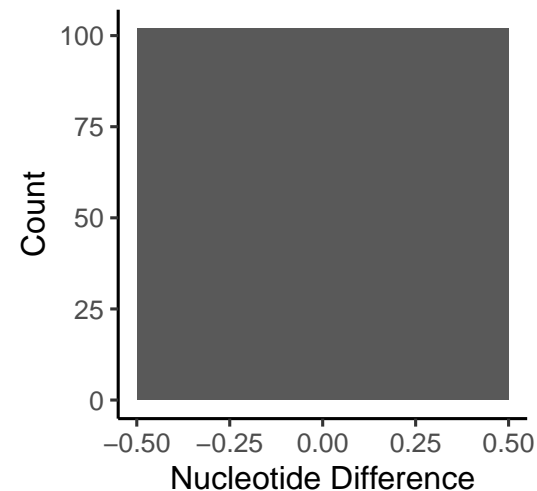
TRBV6-1*ap01

3255 sequences assigned
3036 (93.3%) exact matches, in which:
2955 unique CDR3
13 unique J



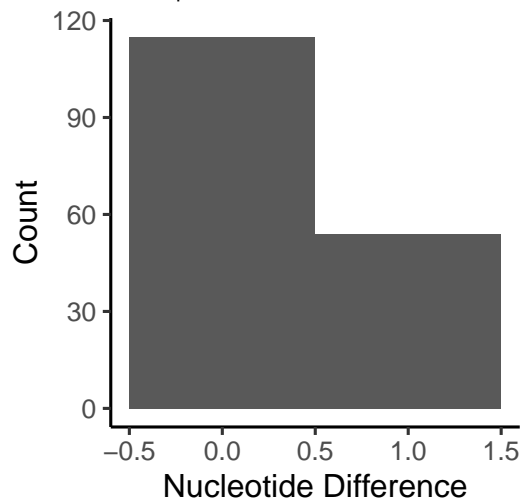
TRBV6-8*ap01

102 sequences assigned
102 (100%) exact matches, in which:
98 unique CDR3
13 unique J



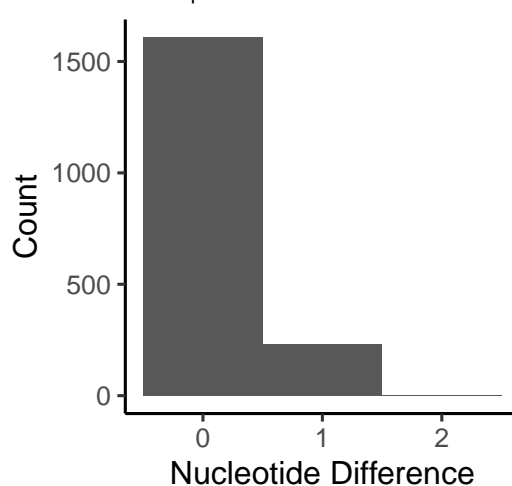
TRBV6–9*ap01

169 sequences assigned
115 (68%) exact matches, in which:
110 unique CDR3
13 unique J



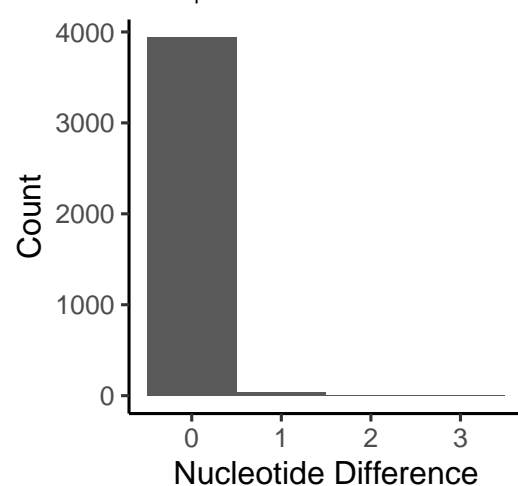
TRBV6–56*ap02

1839 sequences assigned
1608 (87.4%) exact matches, in which:
1575 unique CDR3
13 unique J



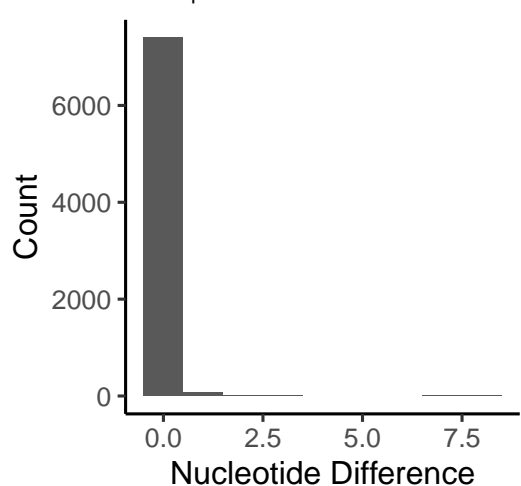
TRBV7–3*ap01

3978 sequences assigned
3940 (99%) exact matches, in which:
3857 unique CDR3
13 unique J



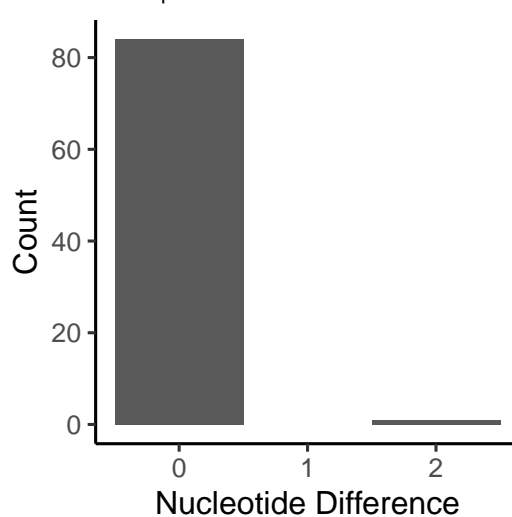
TRBV6–23*ap01

7485 sequences assigned
7398 (98.8%) exact matches, in which:
7236 unique CDR3
13 unique J



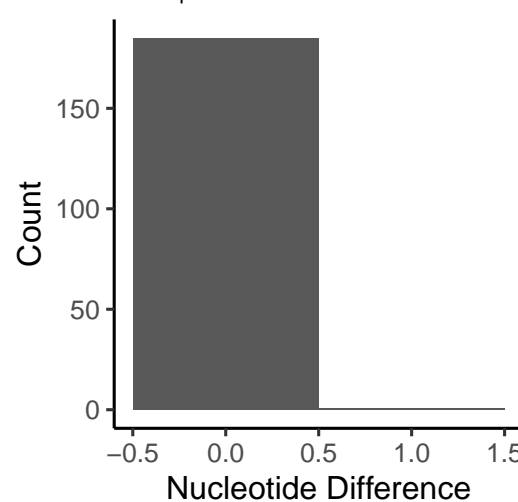
TRBV7–1*ap01_G291C_T

85 sequences assigned
84 (98.8%) exact matches, in which:
82 unique CDR3
11 unique J



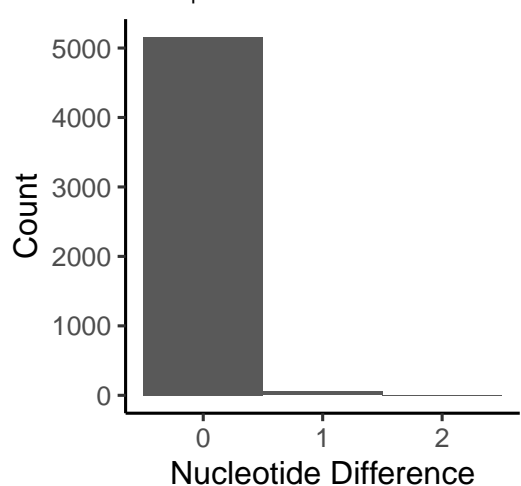
TRBV7–4*ap01

186 sequences assigned
185 (99.5%) exact matches, in which:
181 unique CDR3
13 unique J



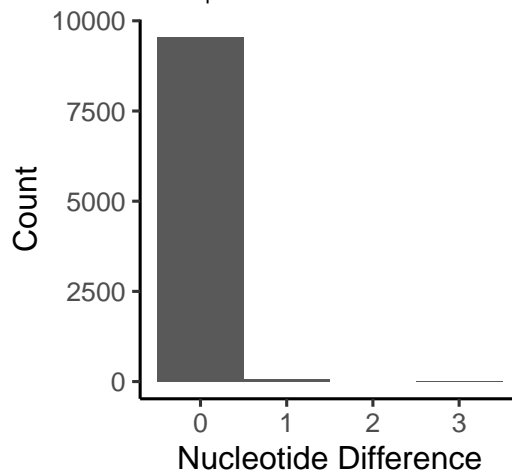
TRBV6–56*ap01

5213 sequences assigned
5158 (98.9%) exact matches, in which:
5036 unique CDR3
13 unique J



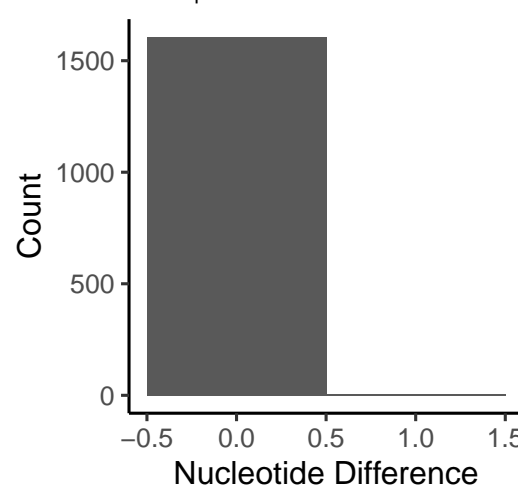
TRBV7–2*ap01

9634 sequences assigned
9557 (99.2%) exact matches, in which:
9347 unique CDR3
13 unique J



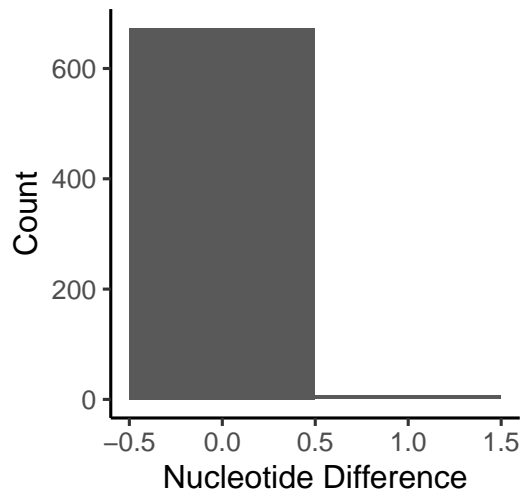
TRBV7–6*ap01

1612 sequences assigned
1606 (99.6%) exact matches, in which:
1565 unique CDR3
13 unique J



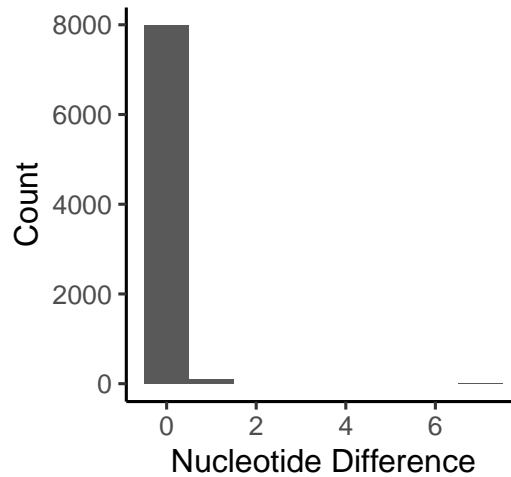
TRBV7-7*ap01_C315T

681 sequences assigned
674 (99%) exact matches, in which:
658 unique CDR3
13 unique J



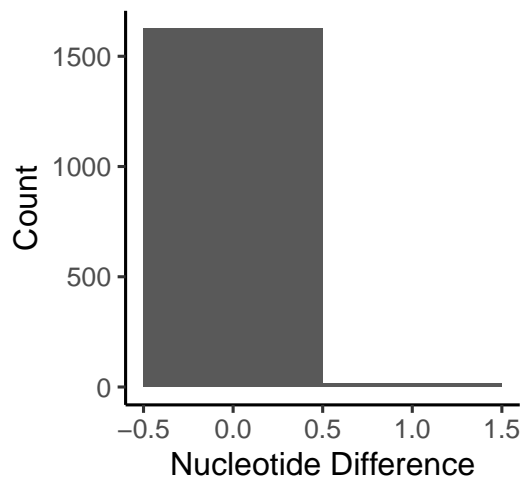
TRBV7-9*ap01

8078 sequences assigned
7986 (98.9%) exact matches, in which:
7836 unique CDR3
13 unique J



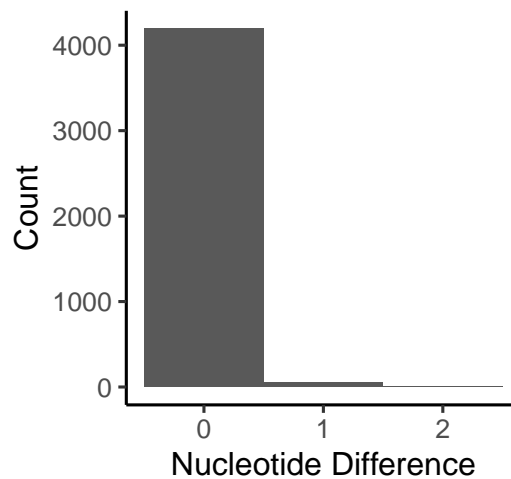
TRBV7-8*ap01

1640 sequences assigned
1625 (99.1%) exact matches, in which:
1574 unique CDR3
13 unique J



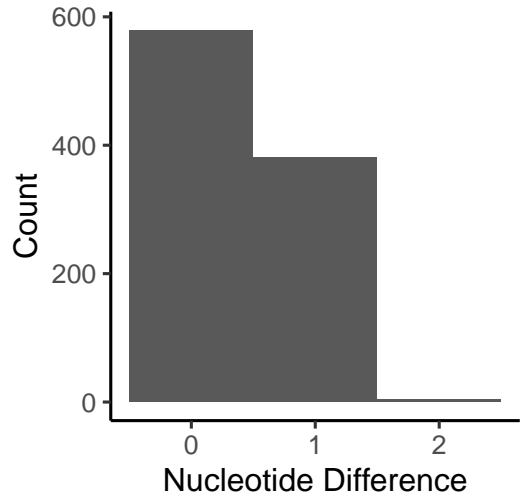
TRBV29-1*ap01

4242 sequences assigned
4193 (98.8%) exact matches, in which:
4116 unique CDR3
13 unique J



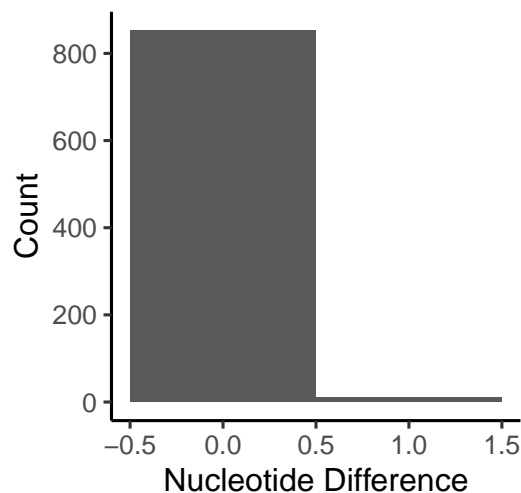
TRBV7-8*ap03

964 sequences assigned
579 (60.1%) exact matches, in which:
566 unique CDR3
13 unique J

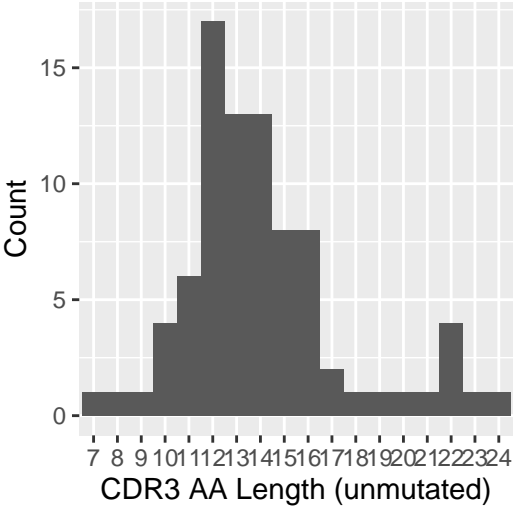


TRBV29-1*ap02

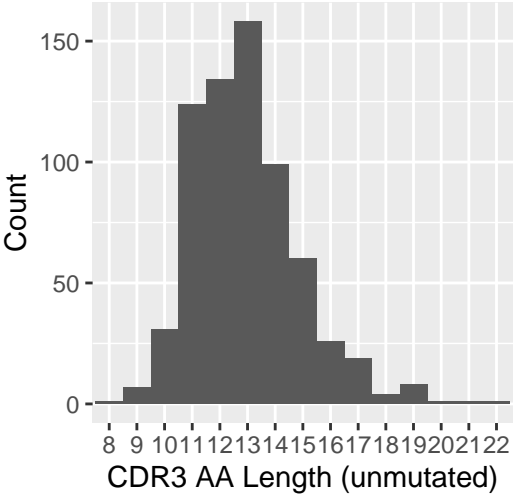
864 sequences assigned
853 (98.7%) exact matches, in which:
838 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]