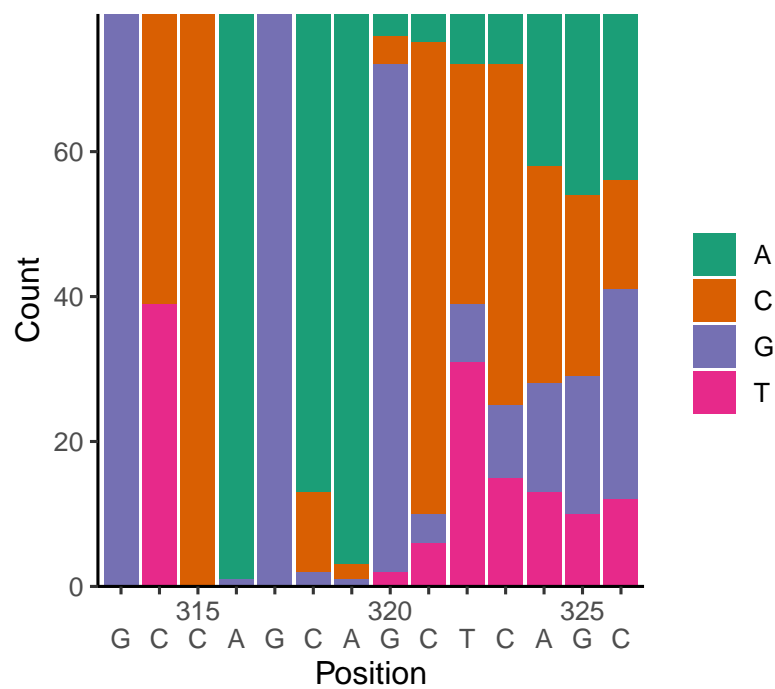
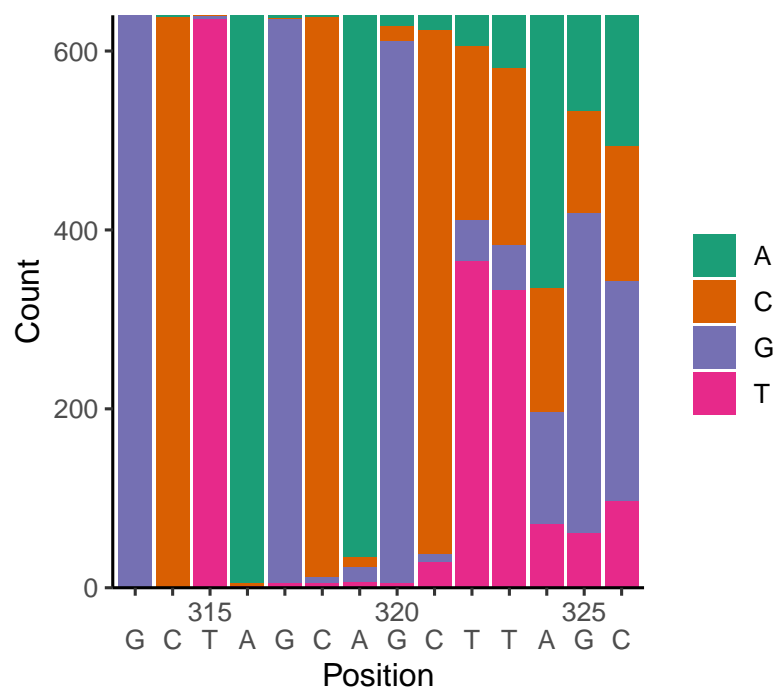


Gene TRBV7-1*ap01_T296C



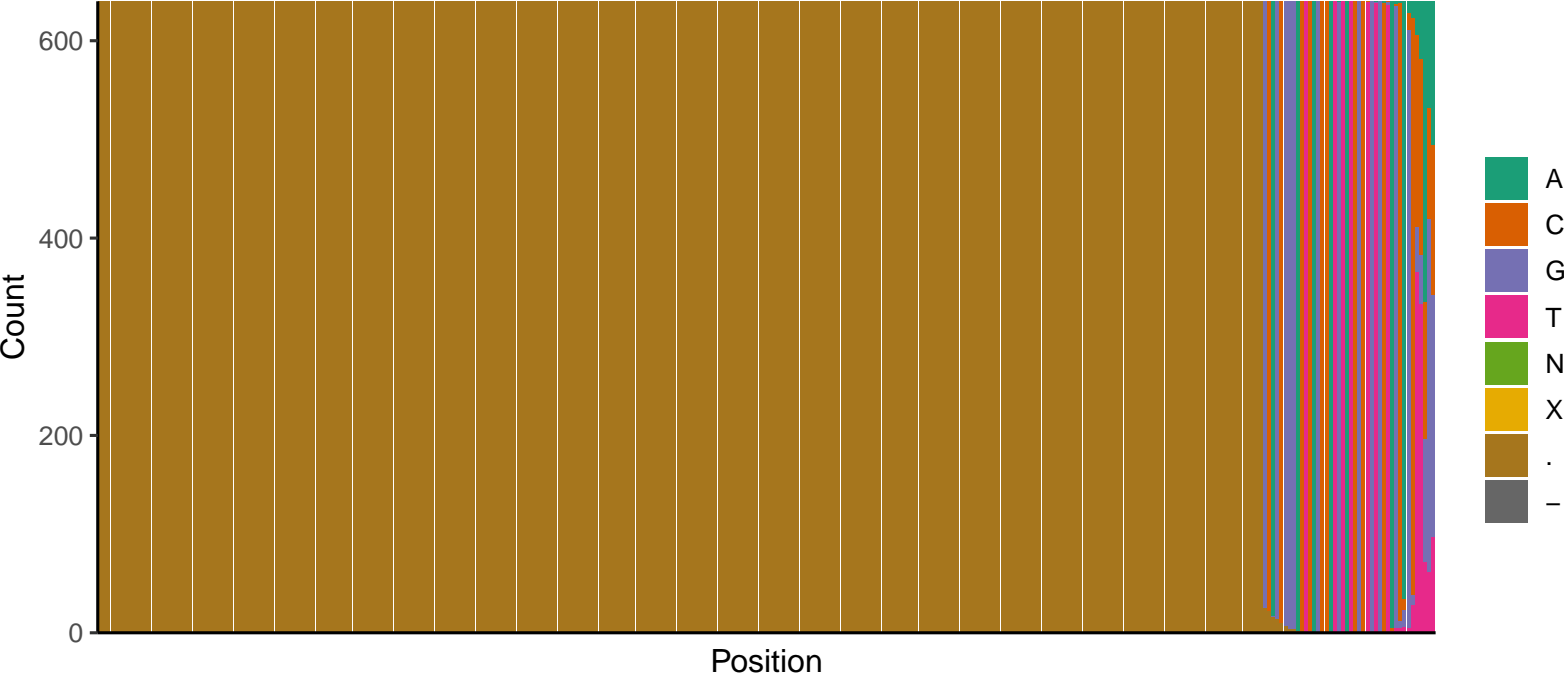
Gene TRBV7-7*ap01_C315T



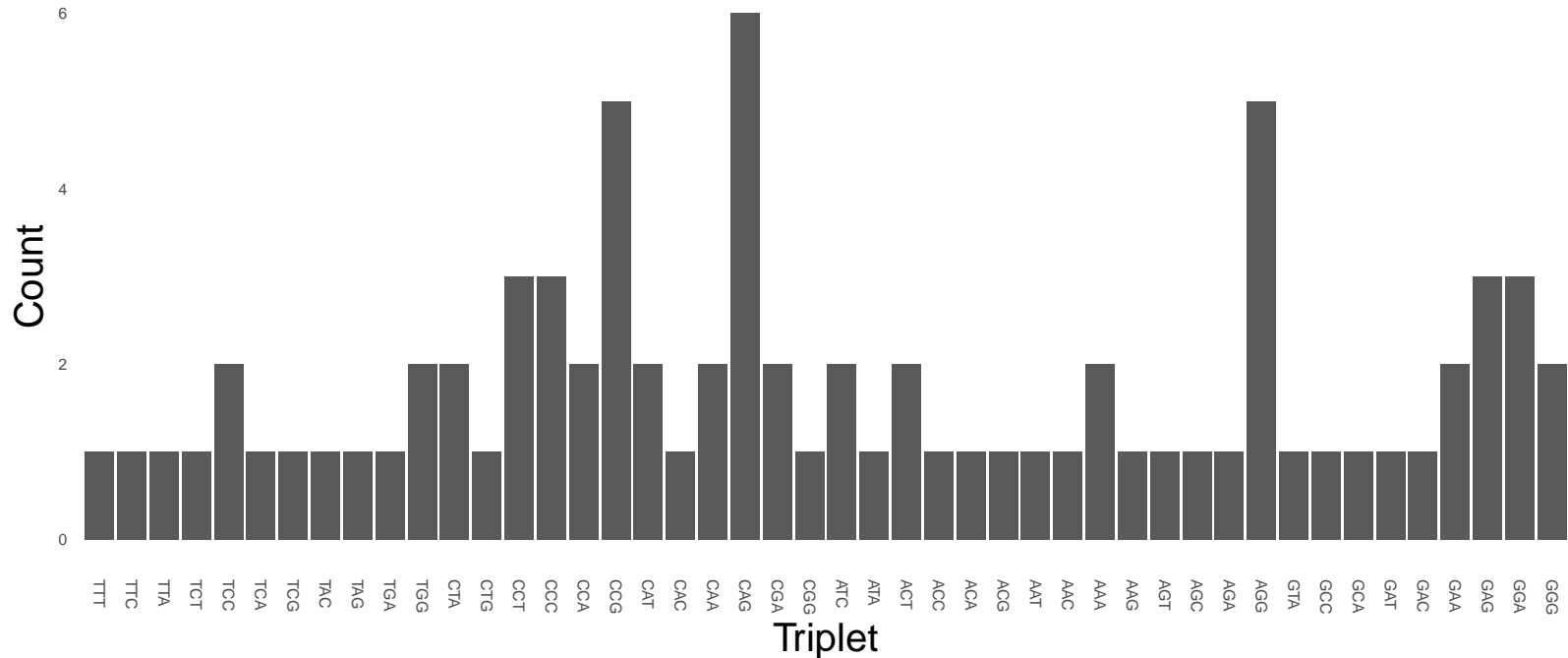
Gene TRBV7-1*ap01_T296C



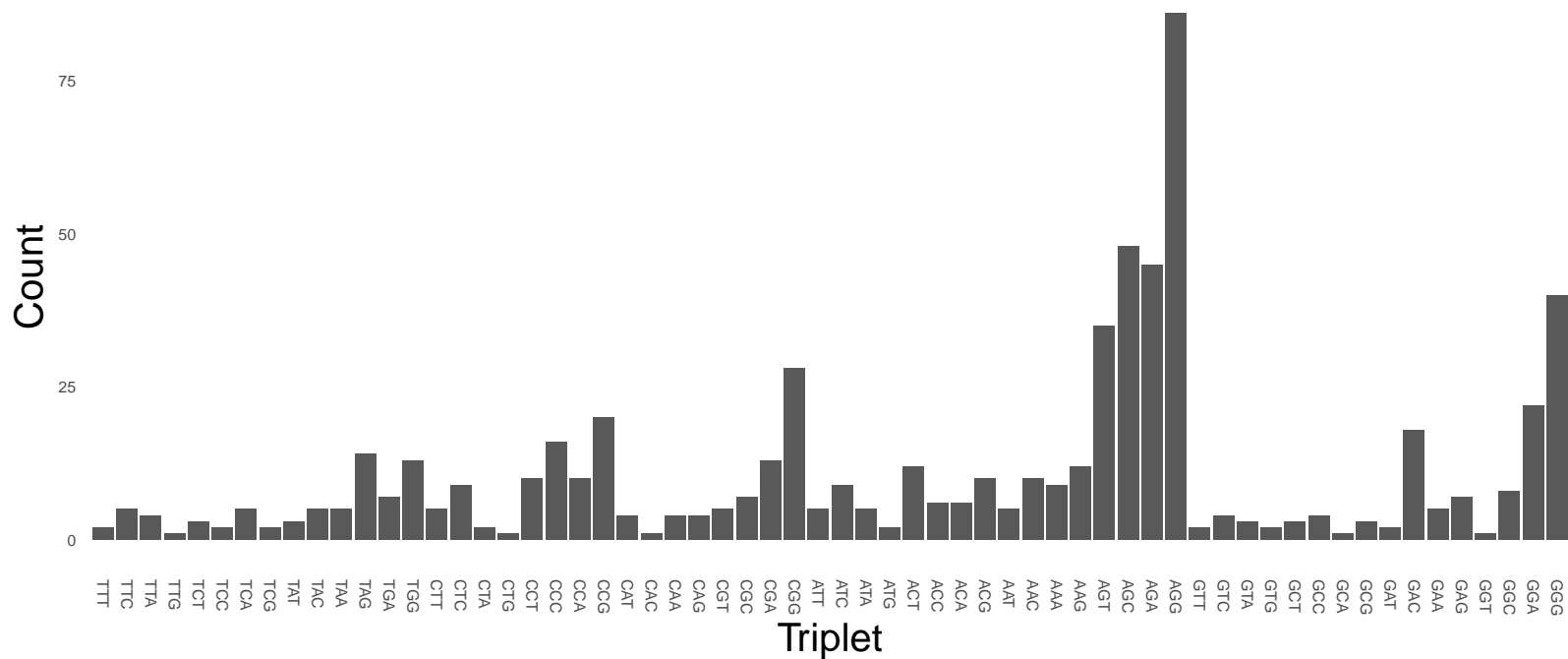
Gene TRBV7-7*ap01_C315T



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

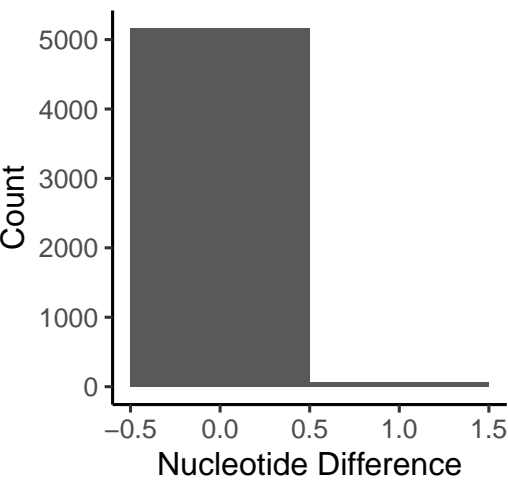


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



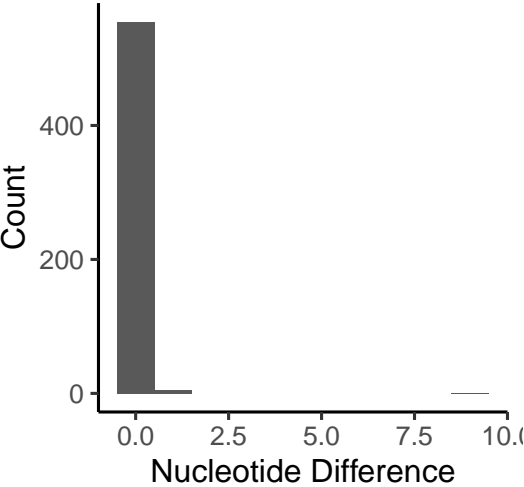
TRBV20-1*ap01

5221 sequences assigned
5161 (98.9%) exact matches, in which:
5027 unique CDR3
13 unique J



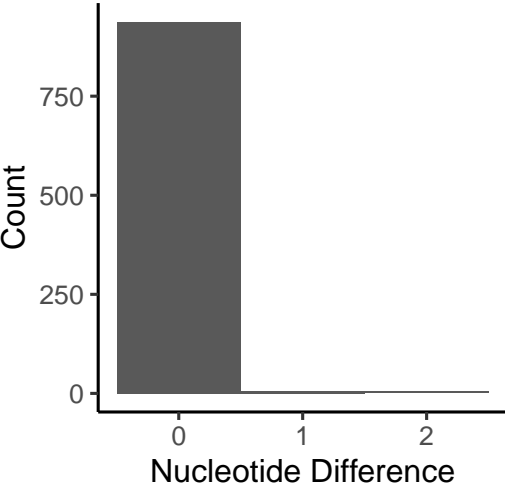
TRBV10-2*ap01

561 sequences assigned
555 (98.9%) exact matches, in which:
531 unique CDR3
13 unique J



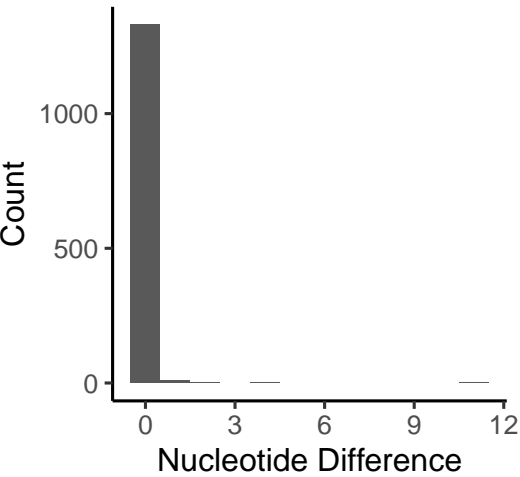
TRBV13*ap01

949 sequences assigned
938 (98.8%) exact matches, in which:
895 unique CDR3
13 unique J



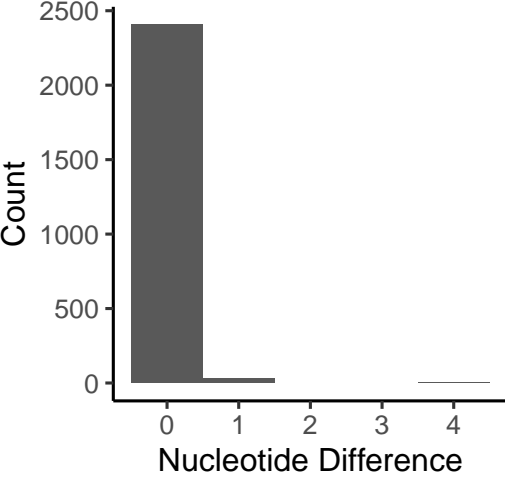
TRBV10-1*ap01

1344 sequences assigned
1330 (99%) exact matches, in which:
1283 unique CDR3
13 unique J



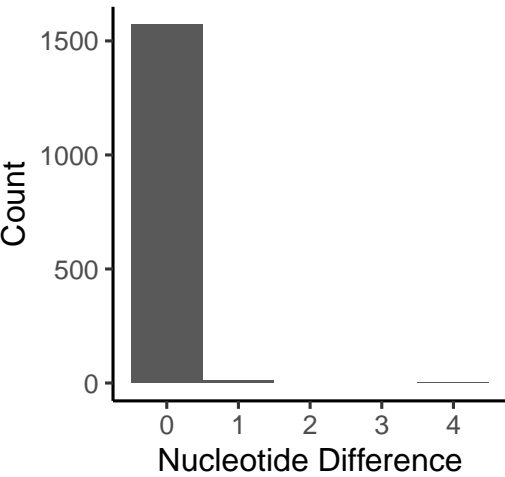
TRBV10-3*ap01

2435 sequences assigned
2406 (98.8%) exact matches, in which:
2335 unique CDR3
13 unique J



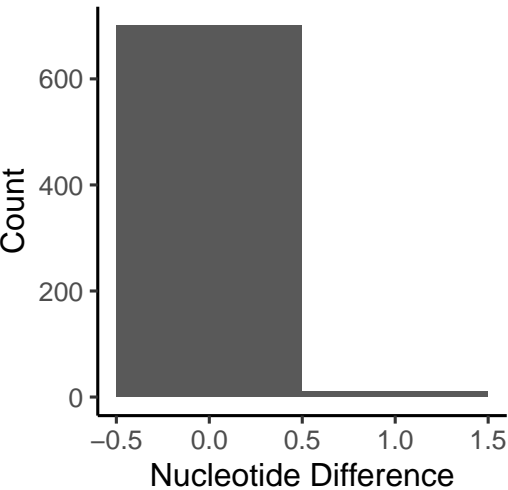
TRBV14*ap01

1584 sequences assigned
1571 (99.2%) exact matches, in which:
1539 unique CDR3
13 unique J



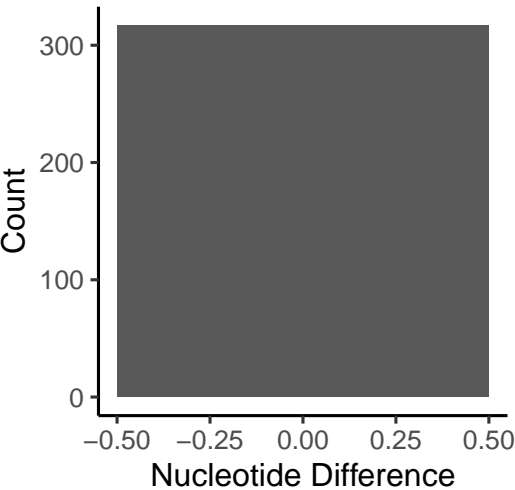
TRBV20-1*ap02

711 sequences assigned
701 (98.6%) exact matches, in which:
684 unique CDR3
13 unique J



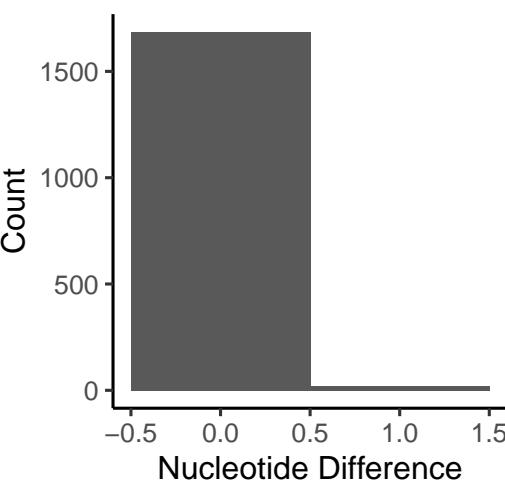
TRBV1*ap01

317 sequences assigned
317 (100%) exact matches, in which:
302 unique CDR3
13 unique J



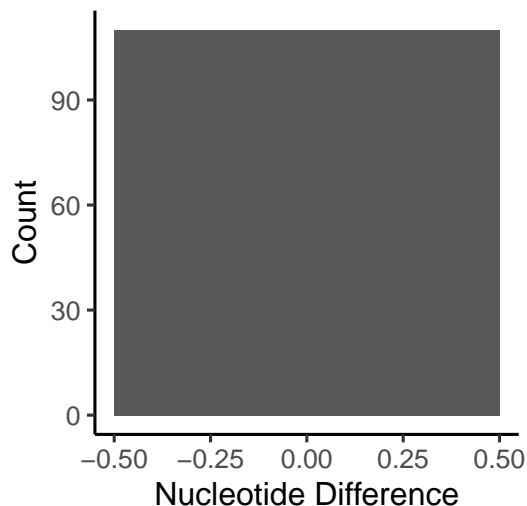
TRBV15*ap02

1704 sequences assigned
1685 (98.9%) exact matches, in which:
1629 unique CDR3
13 unique J



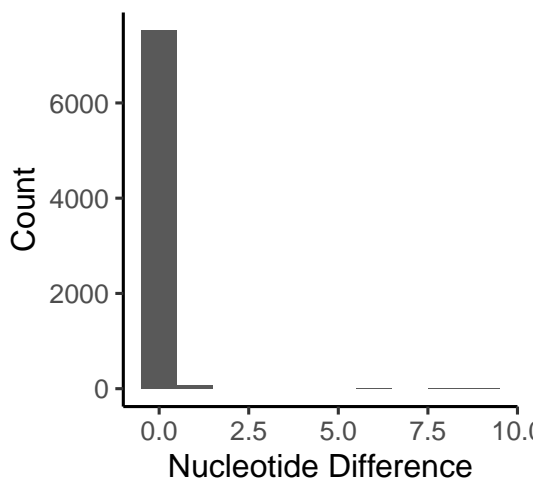
TRBV16*ap01

110 sequences assigned
110 (100%) exact matches, in which:
108 unique CDR3
13 unique J



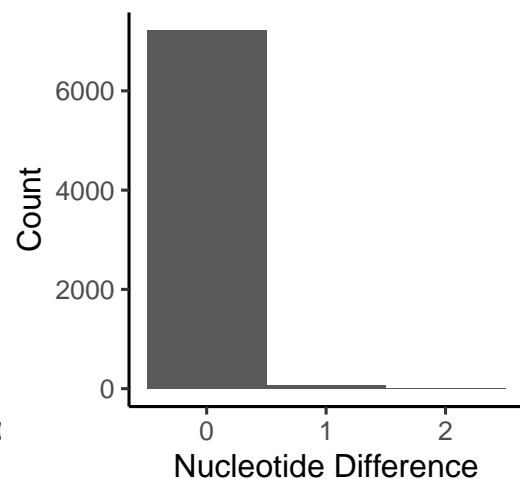
TRBV19*ap01

7610 sequences assigned
7523 (98.9%) exact matches, in which:
7392 unique CDR3
13 unique J



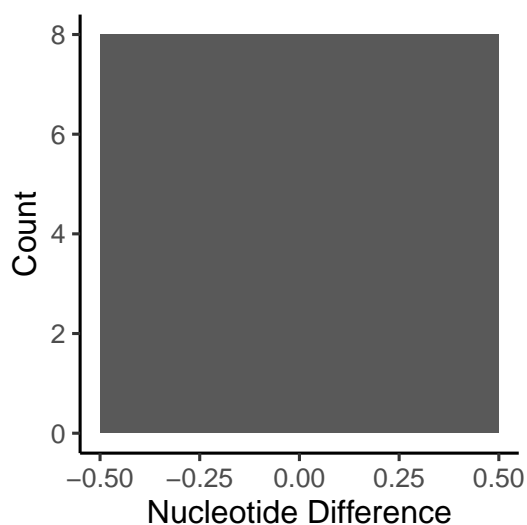
TRBV28*ap01

7300 sequences assigned
7218 (98.9%) exact matches, in which:
7032 unique CDR3
14 unique J



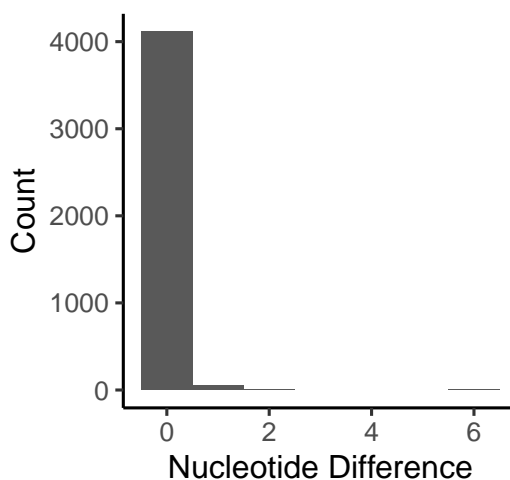
TRBV17*ap01

8 sequences assigned
8 (100%) exact matches, in which:
8 unique CDR3
6 unique J



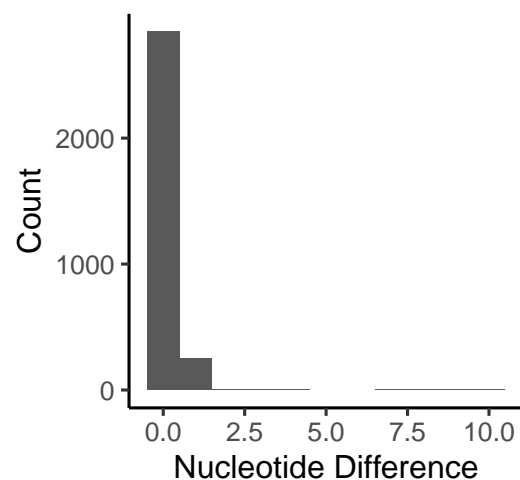
TRBV2*ap01

4163 sequences assigned
4114 (98.8%) exact matches, in which:
3992 unique CDR3
13 unique J



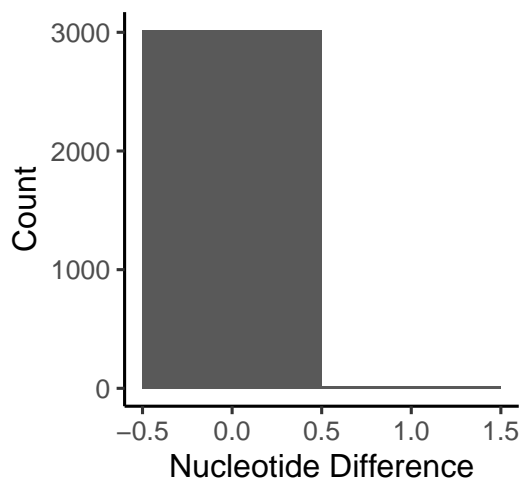
TRBV30*ap01

3105 sequences assigned
2845 (91.6%) exact matches, in which:
2778 unique CDR3
13 unique J



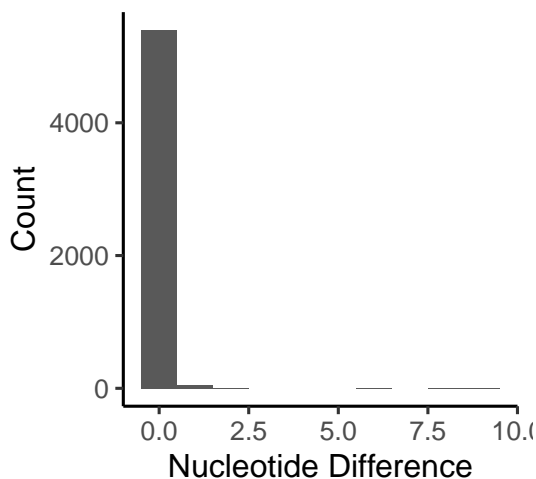
TRBV18*ap01

3038 sequences assigned
3019 (99.4%) exact matches, in which:
2970 unique CDR3
13 unique J



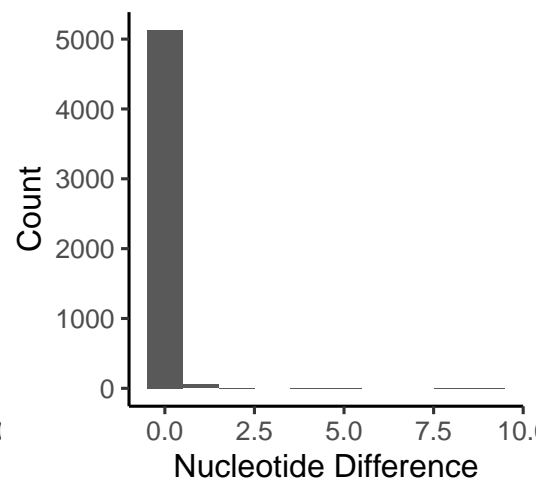
TRBV27*ap01

5458 sequences assigned
5397 (98.9%) exact matches, in which:
5219 unique CDR3
13 unique J



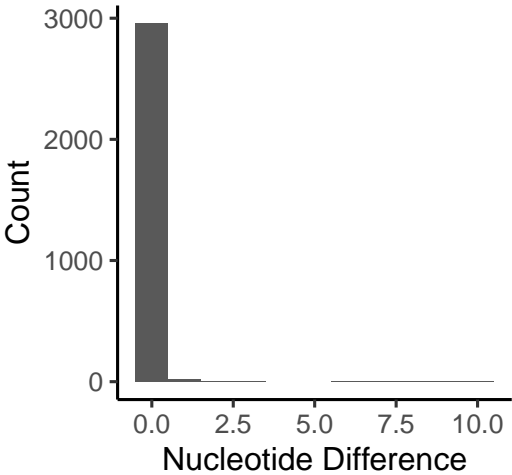
TRBV9*ap01

5189 sequences assigned
5130 (98.9%) exact matches, in which:
5034 unique CDR3
13 unique J



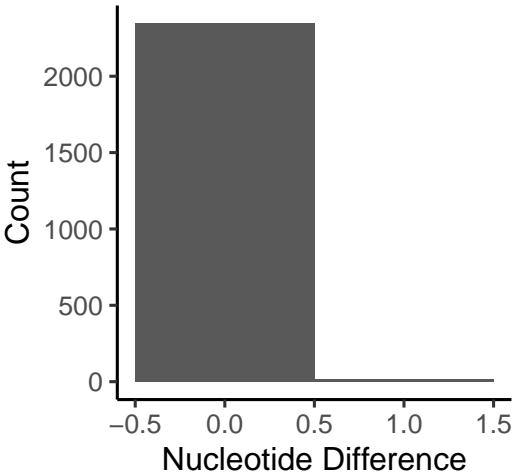
TRBV21-1*ap01

2989 sequences assigned
2957 (98.9%) exact matches, in which:
2893 unique CDR3
13 unique J



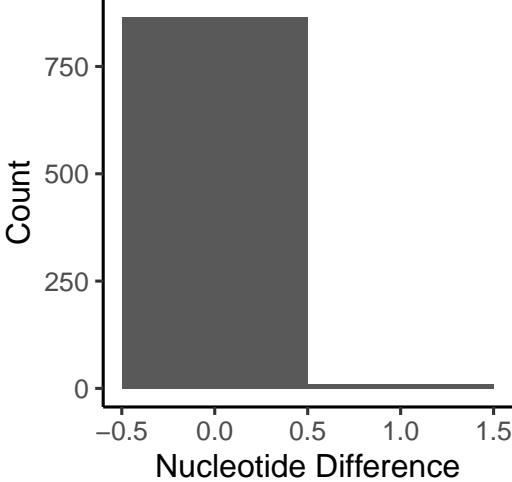
TRBV11-3*ap01

2363 sequences assigned
2346 (99.3%) exact matches, in which:
2311 unique CDR3
13 unique J



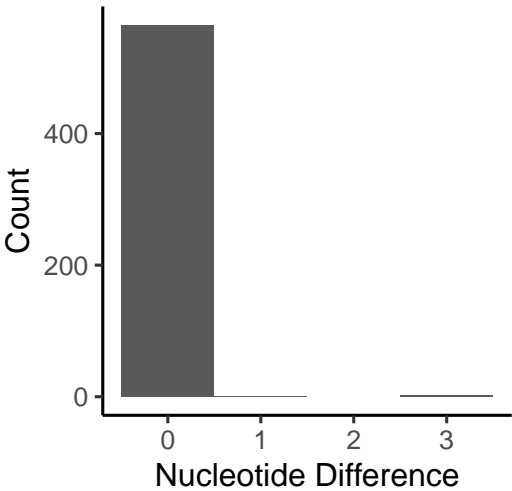
TRBV12-5*ap01

876 sequences assigned
866 (98.9%) exact matches, in which:
849 unique CDR3
13 unique J



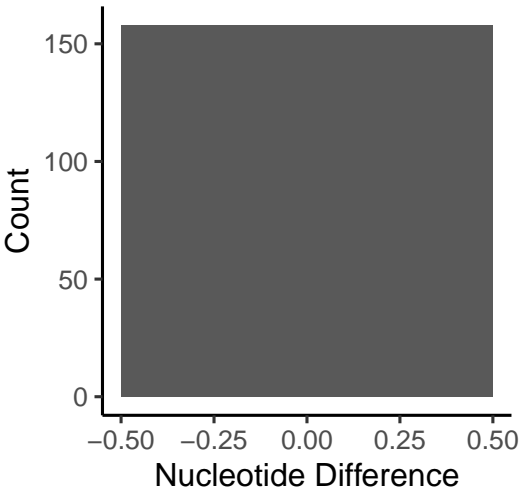
TRBV11-1*ap01

568 sequences assigned
565 (99.5%) exact matches, in which:
555 unique CDR3
13 unique J



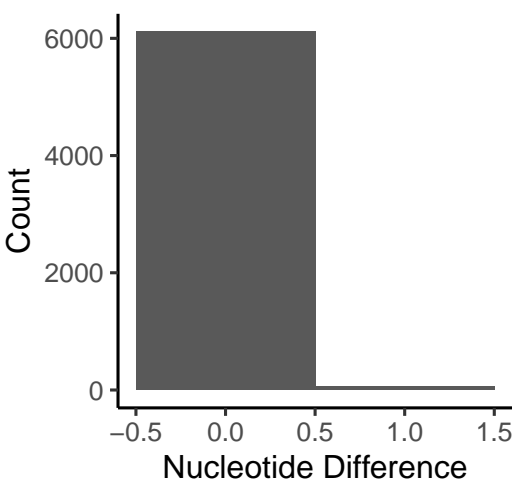
TRBV12-1*ap01

158 sequences assigned
158 (100%) exact matches, in which:
156 unique CDR3
13 unique J



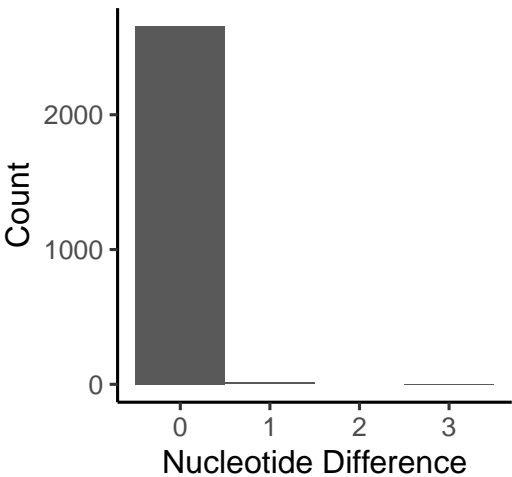
TRBV12-34*ap01

6180 sequences assigned
6113 (98.9%) exact matches, in which:
5932 unique CDR3
13 unique J



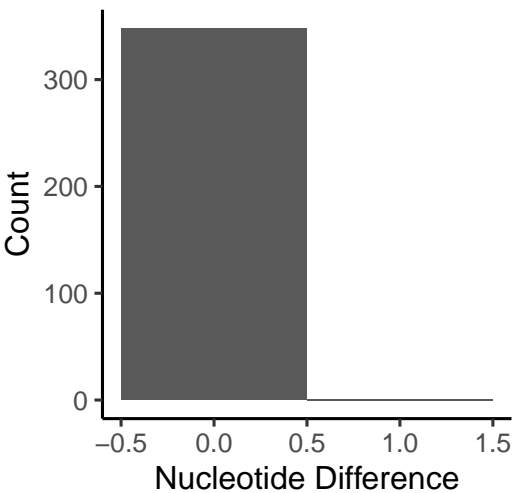
TRBV11-2*ap01

2673 sequences assigned
2658 (99.4%) exact matches, in which:
2618 unique CDR3
13 unique J



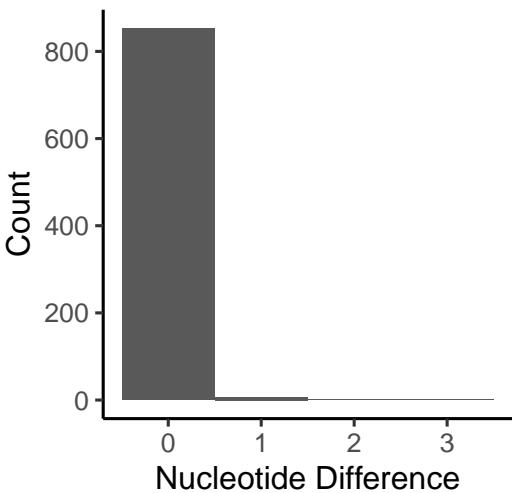
TRBV12-2*ap01

349 sequences assigned
348 (99.7%) exact matches, in which:
334 unique CDR3
13 unique J



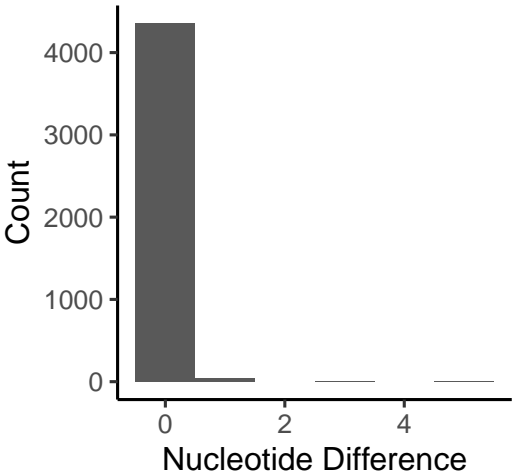
TRBV23-1*ap01

863 sequences assigned
853 (98.8%) exact matches, in which:
835 unique CDR3
13 unique J



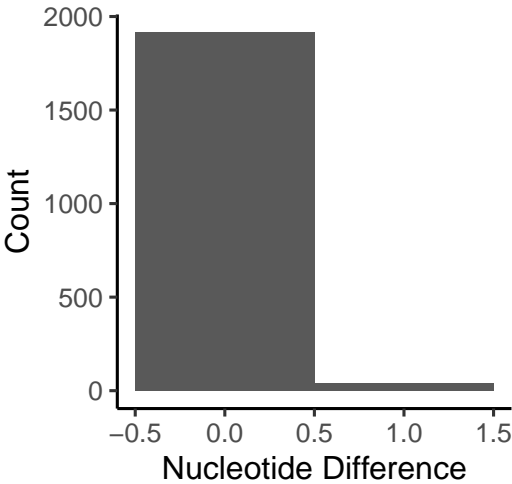
TRBV3-12*ap01

4396 sequences assigned
4355 (99.1%) exact matches, in which:
4252 unique CDR3
13 unique J



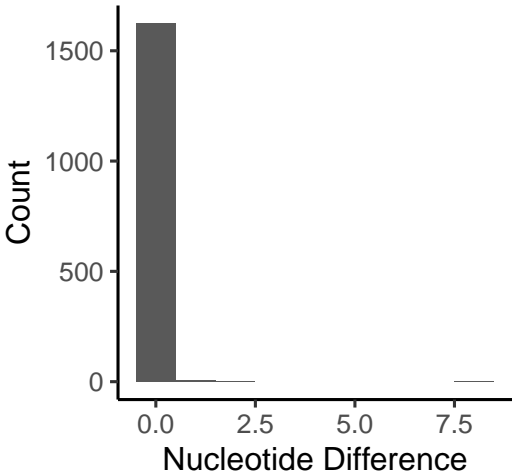
TRBV4-2*ap01

1953 sequences assigned
1915 (98.1%) exact matches, in which:
1852 unique CDR3
13 unique J



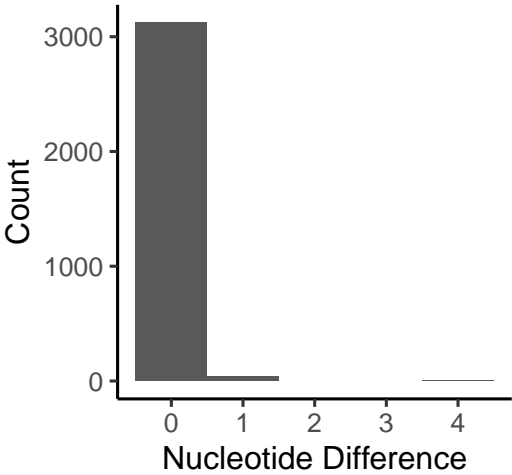
TRBV25-1*ap01

1637 sequences assigned
1624 (99.2%) exact matches, in which:
1571 unique CDR3
13 unique J



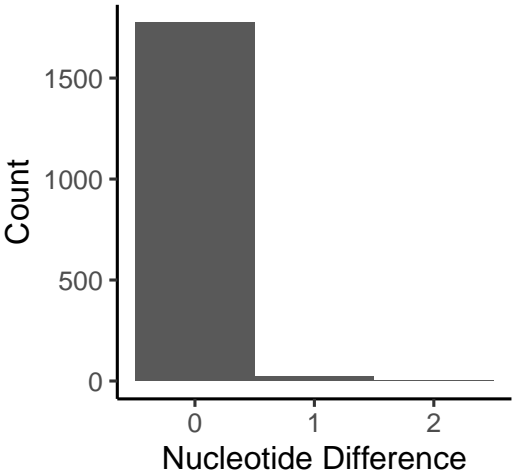
TRBV24-1*ap01

3162 sequences assigned
3122 (98.7%) exact matches, in which:
3034 unique CDR3
13 unique J



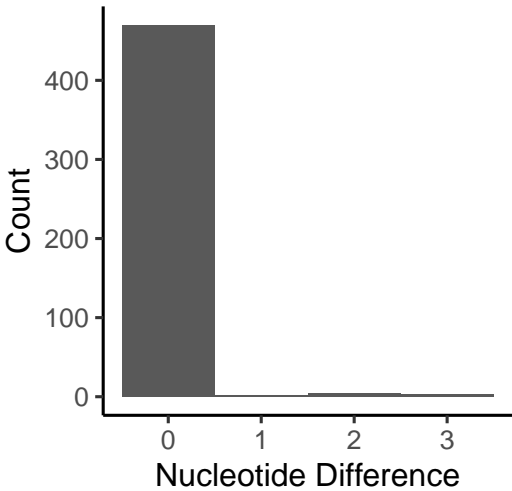
TRBV4-3*ap01

1796 sequences assigned
1774 (98.8%) exact matches, in which:
1716 unique CDR3
13 unique J



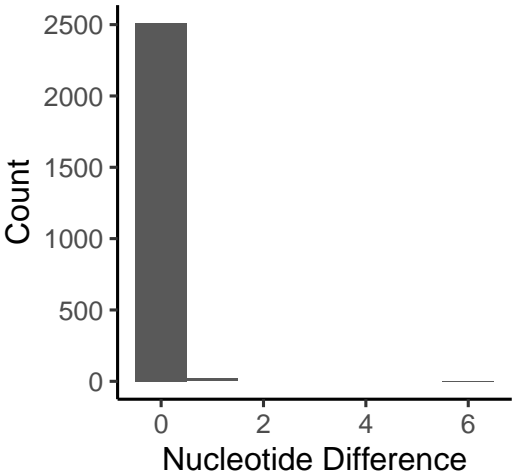
TRBV5-3*ap01

480 sequences assigned
470 (97.9%) exact matches, in which:
456 unique CDR3
13 unique J



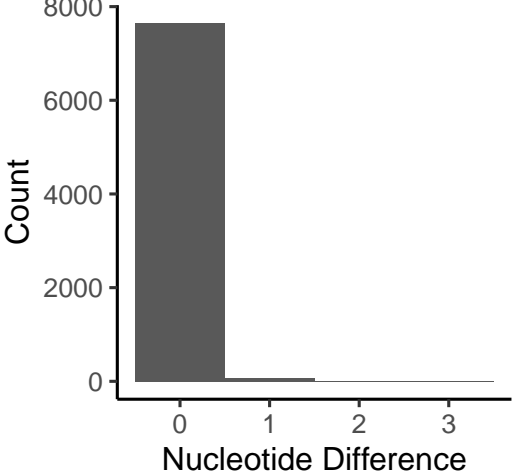
TRBV4-1*ap01

2533 sequences assigned
2511 (99.1%) exact matches, in which:
2425 unique CDR3
13 unique J



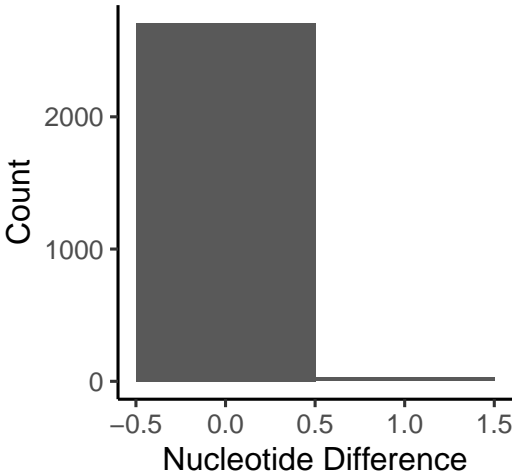
TRBV5-1*ap01

7721 sequences assigned
7649 (99.1%) exact matches, in which:
7388 unique CDR3
13 unique J



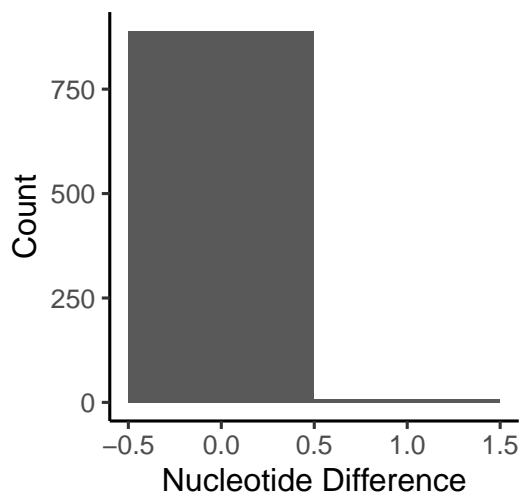
TRBV5-4*ap01

2738 sequences assigned
2709 (98.9%) exact matches, in which:
2615 unique CDR3
13 unique J



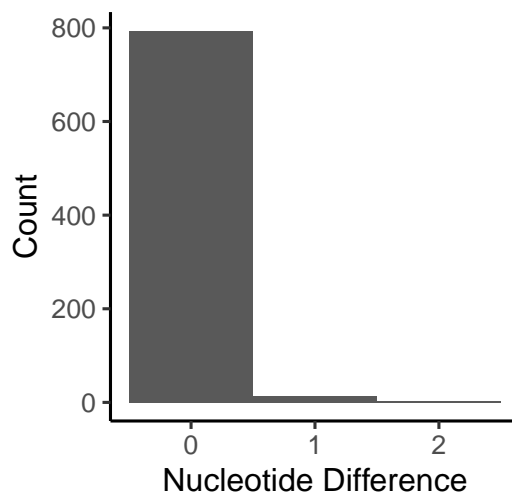
TRBV5-5*ap01

899 sequences assigned
890 (99%) exact matches, in which:
883 unique CDR3
13 unique J



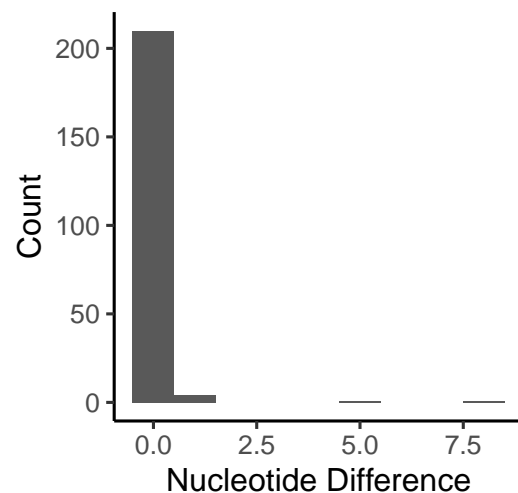
TRBV5-8*ap01

810 sequences assigned
794 (98%) exact matches, in which:
771 unique CDR3
13 unique J



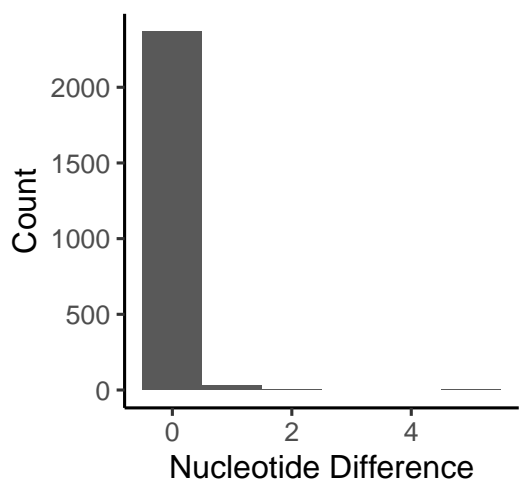
TRBV6-7*ap01

216 sequences assigned
210 (97.2%) exact matches, in which:
200 unique CDR3
13 unique J



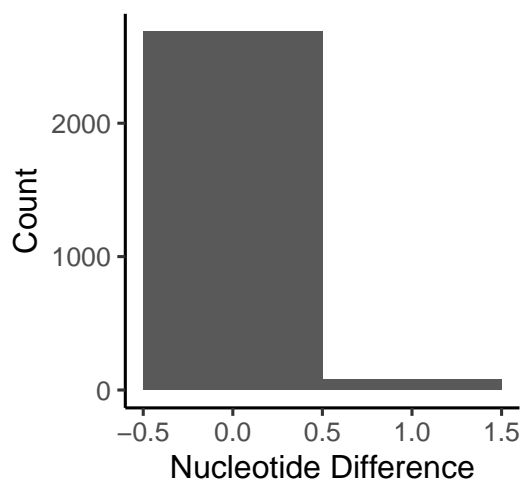
TRBV5-6*ap01

2402 sequences assigned
2367 (98.5%) exact matches, in which:
2268 unique CDR3
13 unique J



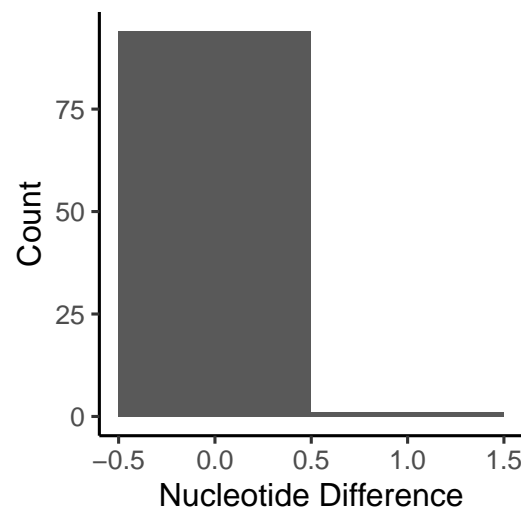
TRBV6-1*ap01

2768 sequences assigned
2686 (97%) exact matches, in which:
2580 unique CDR3
13 unique J



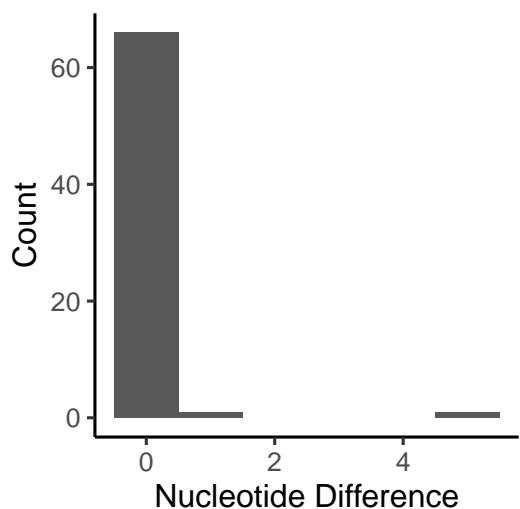
TRBV6-8*ap01

95 sequences assigned
94 (98.9%) exact matches, in which:
92 unique CDR3
13 unique J



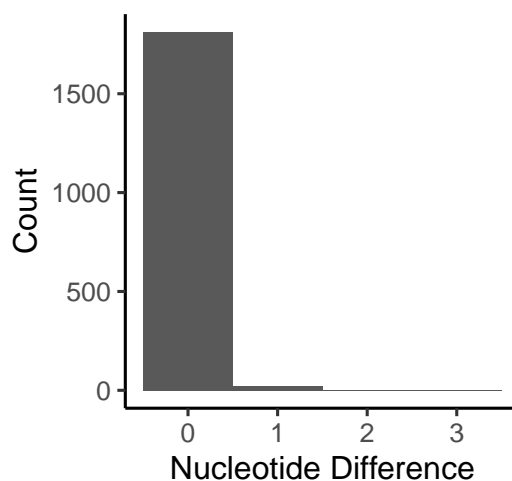
TRBV5-7*ap01

68 sequences assigned
66 (97.1%) exact matches, in which:
65 unique CDR3
13 unique J



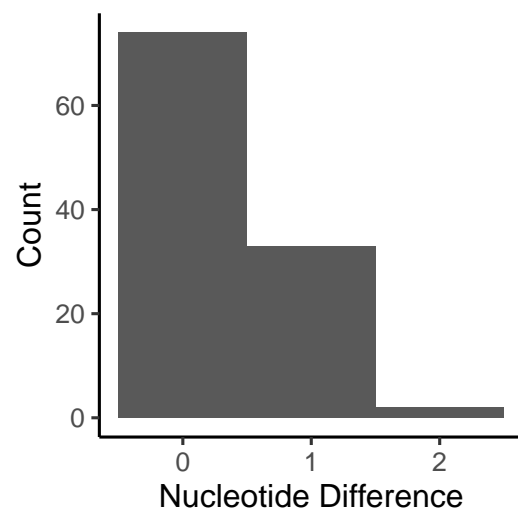
TRBV6-4*ap01

1836 sequences assigned
1812 (98.7%) exact matches, in which:
1779 unique CDR3
13 unique J



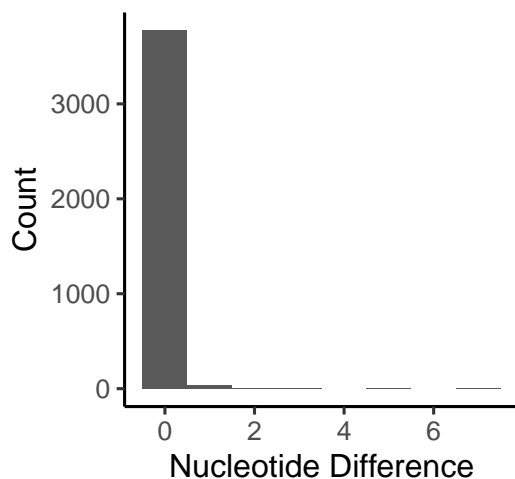
TRBV6-9*ap01

109 sequences assigned
74 (67.9%) exact matches, in which:
71 unique CDR3
13 unique J



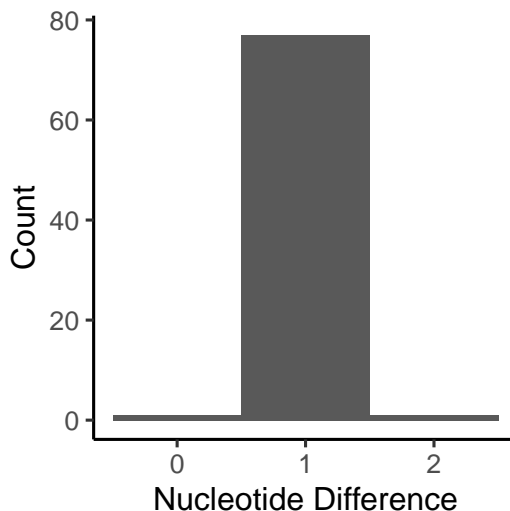
TRBV6–23*ap01

3820 sequences assigned
3774 (98.8%) exact matches, in which:
3635 unique CDR3
13 unique J



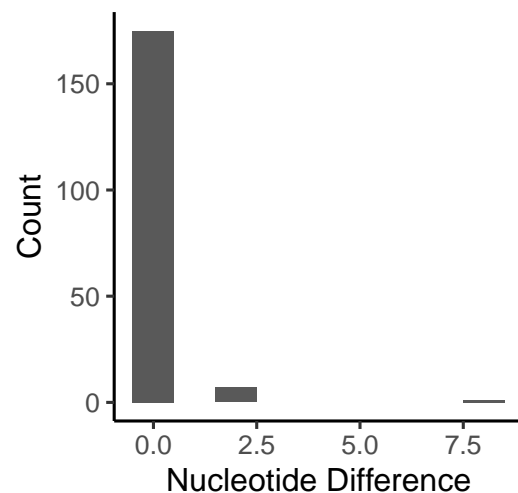
TRBV7–1*ap01_T296C

79 sequences assigned
1 (1.3%) exact matches, in which:
1 unique CDR3
1 unique J



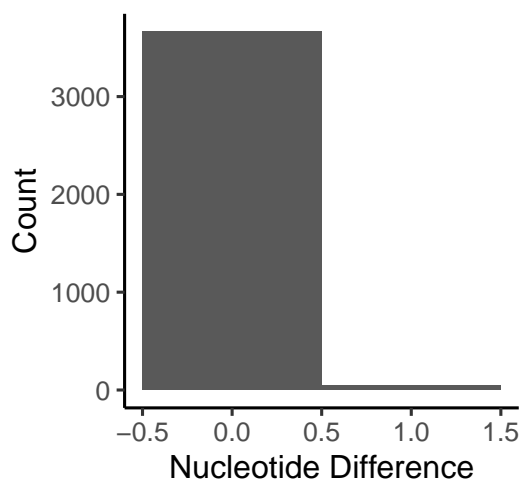
TRBV7–4*ap01

183 sequences assigned
175 (95.6%) exact matches, in which:
166 unique CDR3
13 unique J



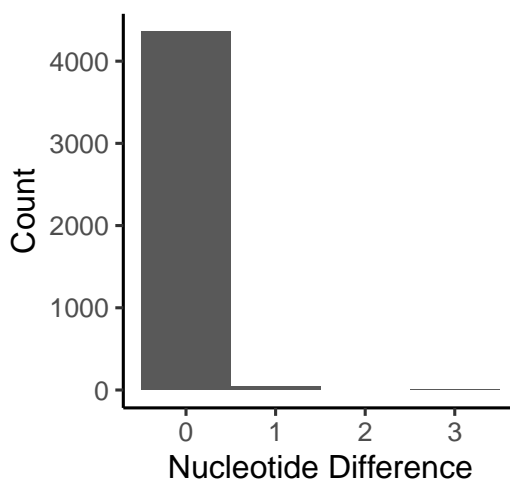
TRBV6–56*ap01

3707 sequences assigned
3663 (98.8%) exact matches, in which:
3547 unique CDR3
13 unique J



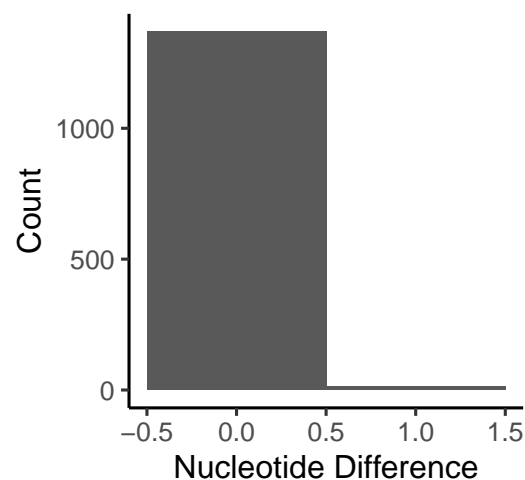
TRBV7–2*ap01

4404 sequences assigned
4358 (99%) exact matches, in which:
4241 unique CDR3
13 unique J



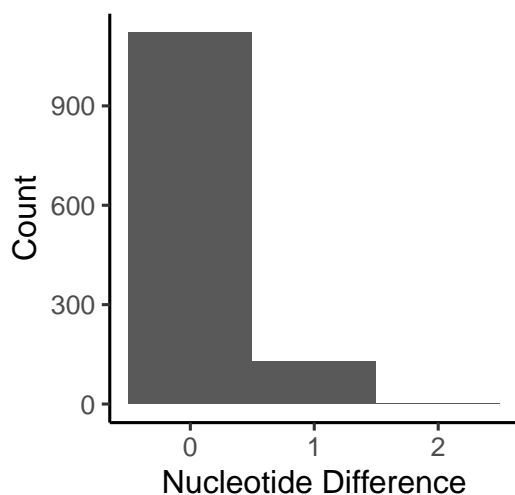
TRBV7–6*ap01

1382 sequences assigned
1369 (99.1%) exact matches, in which:
1330 unique CDR3
13 unique J



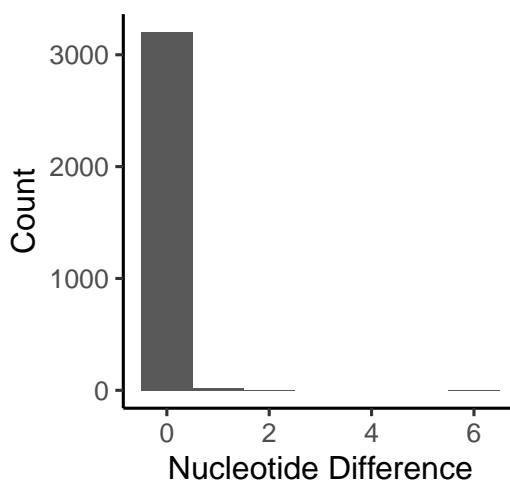
TRBV6–56*ap02

1252 sequences assigned
1122 (89.6%) exact matches, in which:
1075 unique CDR3
13 unique J



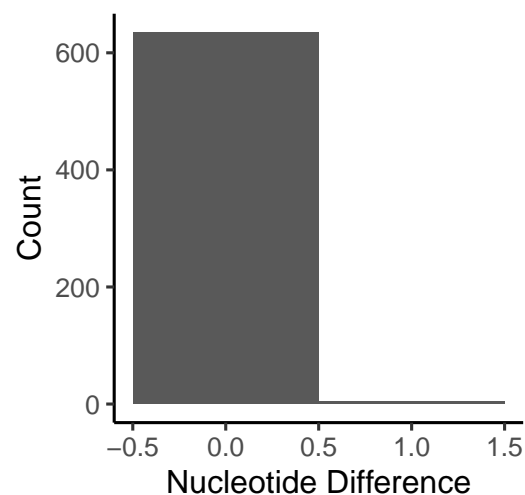
TRBV7–3*ap01

3226 sequences assigned
3203 (99.3%) exact matches, in which:
3154 unique CDR3
13 unique J



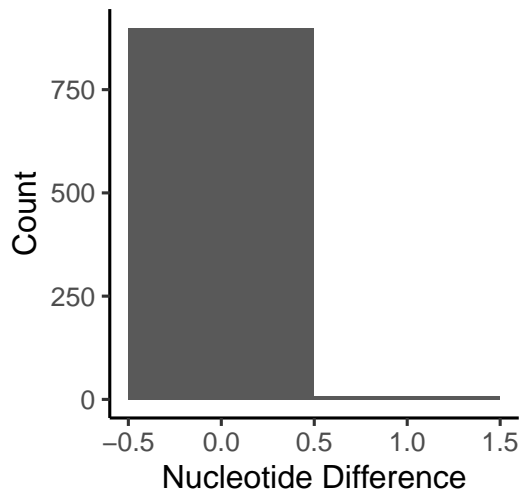
TRBV7–7*ap01_C315T

640 sequences assigned
635 (99.2%) exact matches, in which:
612 unique CDR3
13 unique J



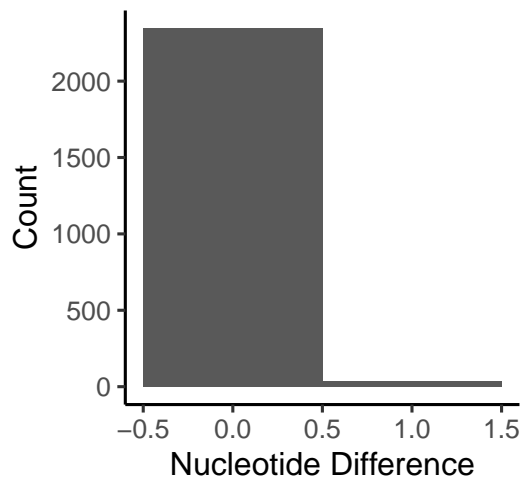
TRBV7-8*ap01

908 sequences assigned
900 (99.1%) exact matches, in which:
872 unique CDR3
13 unique J



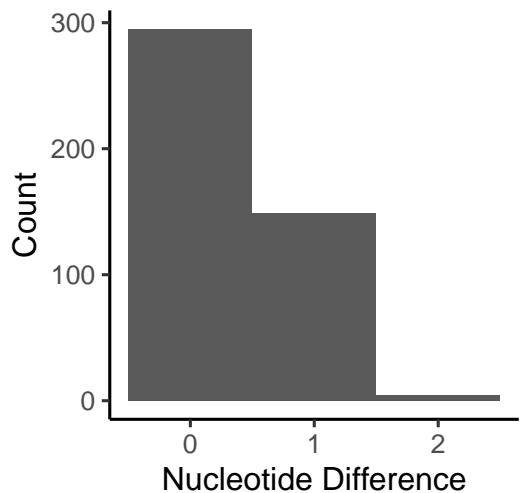
TRBV29-1*ap01

2378 sequences assigned
2345 (98.6%) exact matches, in which:
2268 unique CDR3
13 unique J



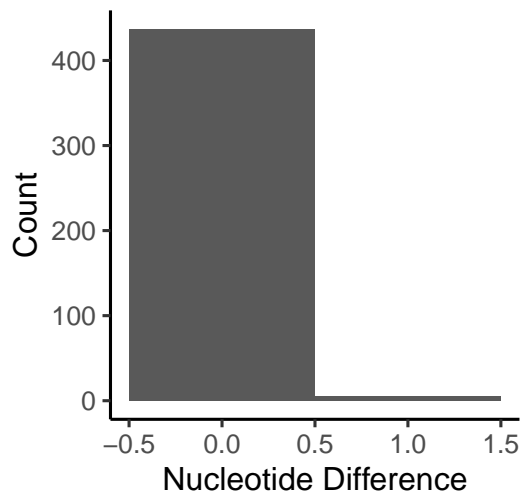
TRBV7-8*ap03

448 sequences assigned
295 (65.8%) exact matches, in which:
283 unique CDR3
12 unique J



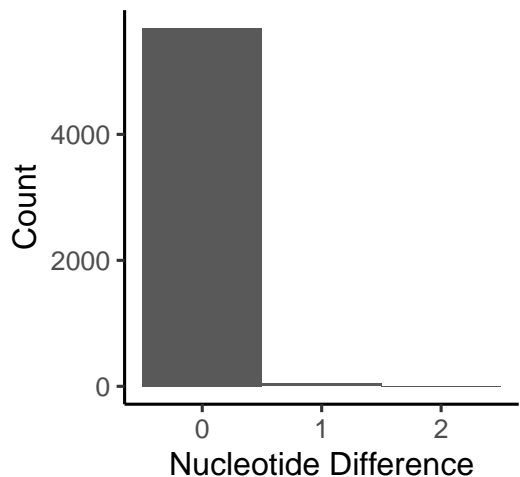
TRBV29-1*ap02

442 sequences assigned
437 (98.9%) exact matches, in which:
425 unique CDR3
13 unique J

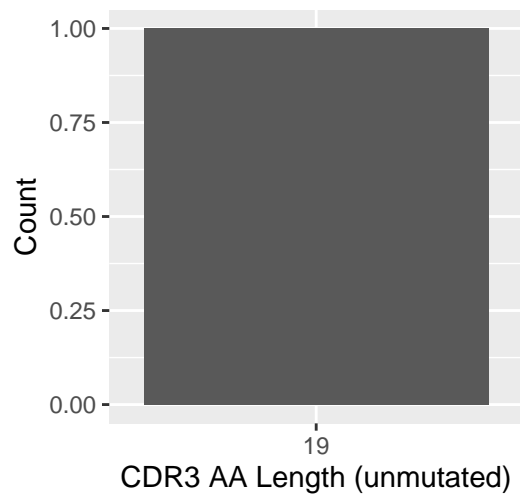


TRBV7-9*ap01

5735 sequences assigned
5688 (99.2%) exact matches, in which:
5501 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

