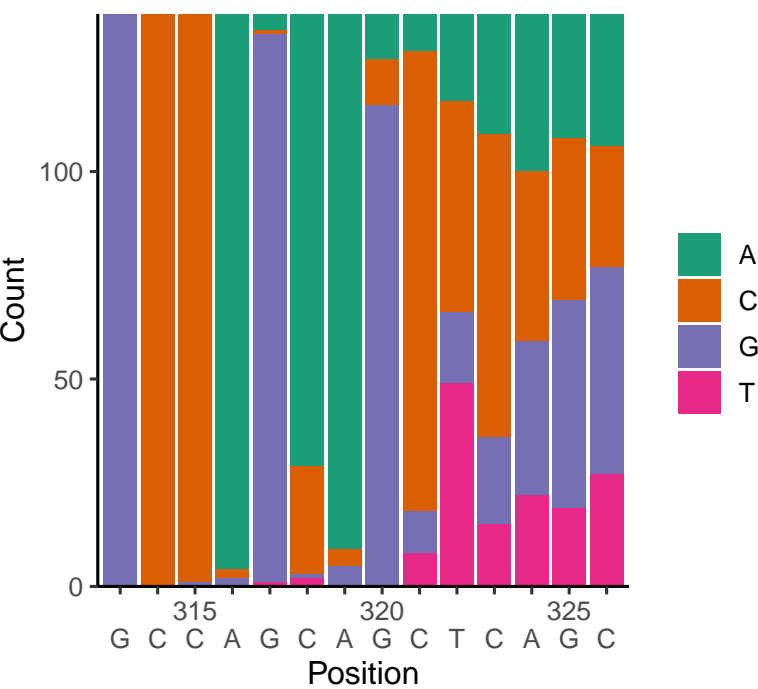


Gene TRBV7-1*ap01_T296C



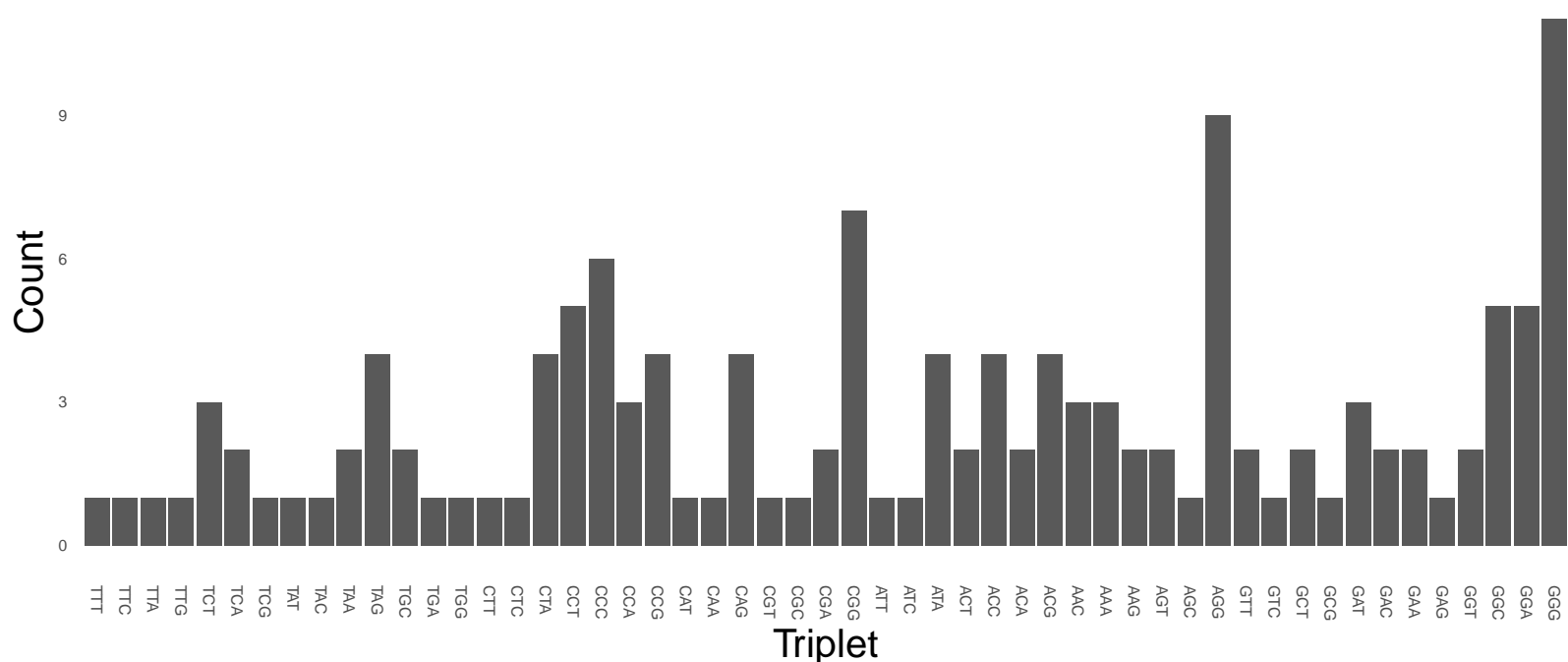
Gene TRBV7-1*ap01_T296C



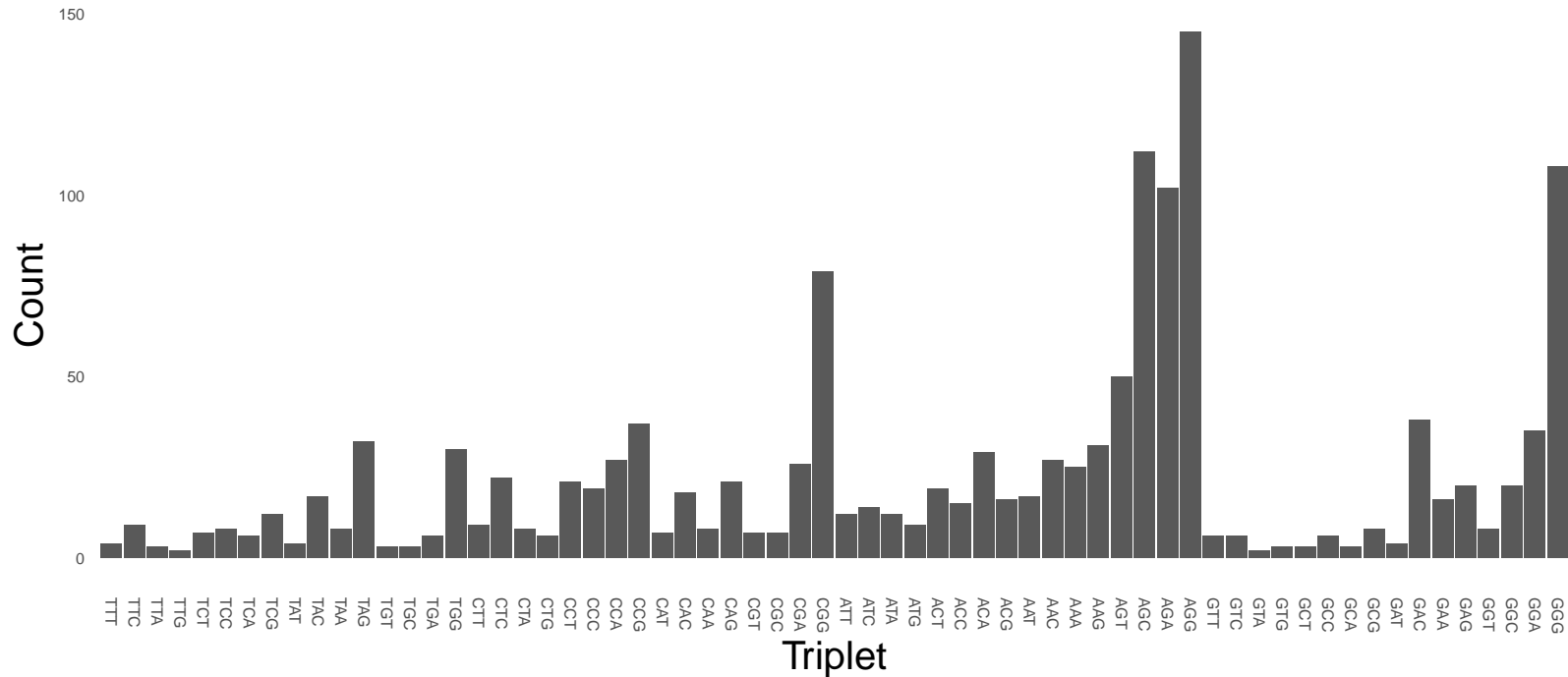
Gene TRBV7-7*ap01_C315T



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

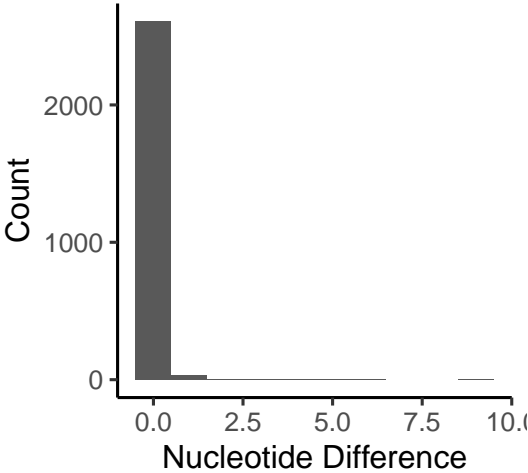


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



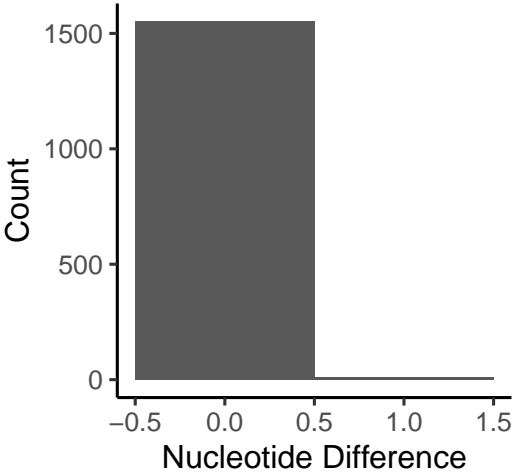
TRBV10-1*ap01

2649 sequences assigned
2608 (98.5%) exact matches, in which:
2591 unique CDR3
13 unique J



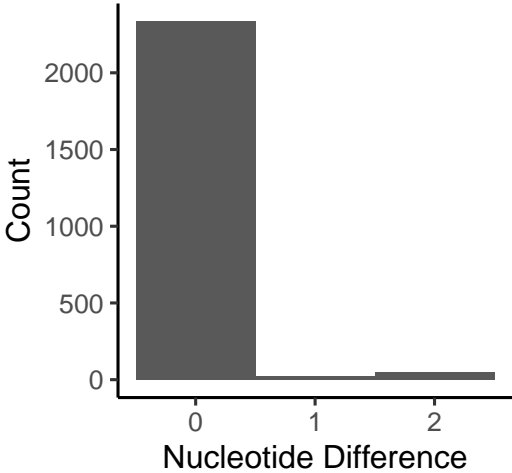
TRBV10-2*ap01

1562 sequences assigned
1552 (99.4%) exact matches, in which:
1543 unique CDR3
13 unique J



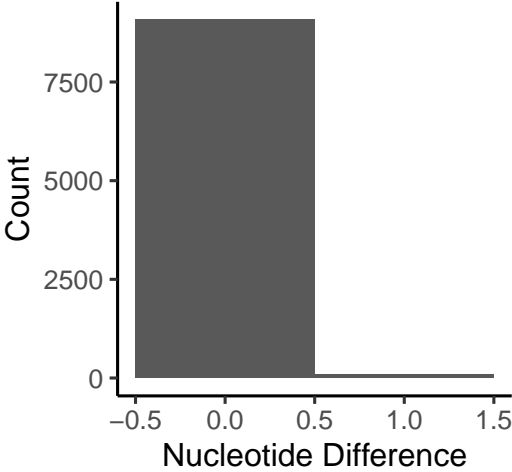
TRBV13*ap01

2408 sequences assigned
2335 (97%) exact matches, in which:
2322 unique CDR3
13 unique J



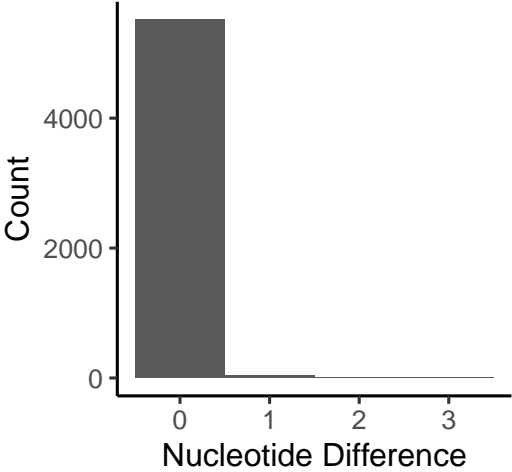
TRBV20-1*ap01

9155 sequences assigned
9078 (99.2%) exact matches, in which:
9042 unique CDR3
13 unique J



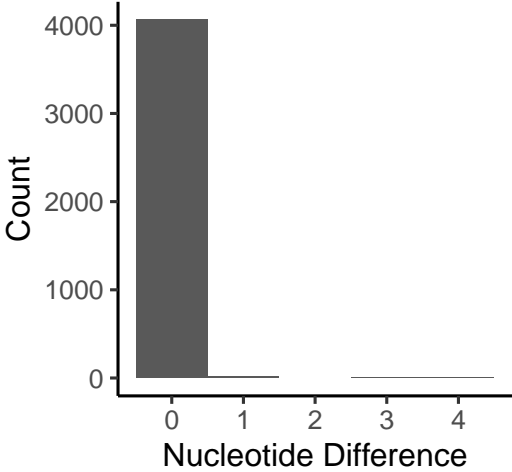
TRBV10-3*ap01

5566 sequences assigned
5515 (99.1%) exact matches, in which:
5482 unique CDR3
13 unique J



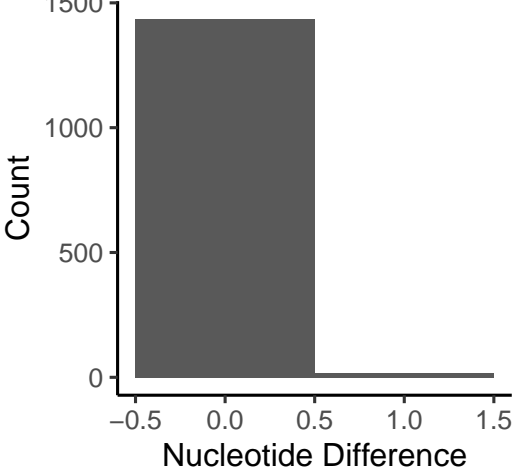
TRBV14*ap01

4087 sequences assigned
4063 (99.4%) exact matches, in which:
4051 unique CDR3
13 unique J



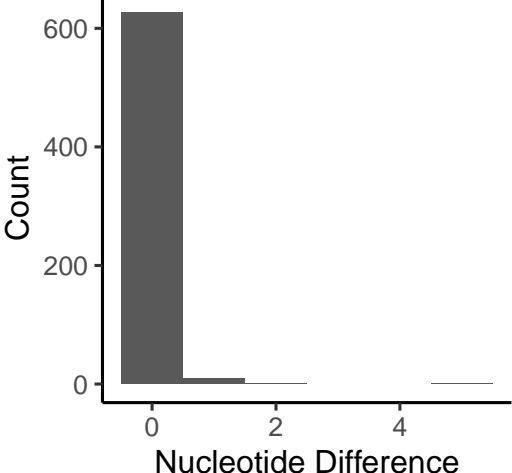
TRBV20-1*ap02

1452 sequences assigned
1435 (98.8%) exact matches, in which:
1431 unique CDR3
13 unique J



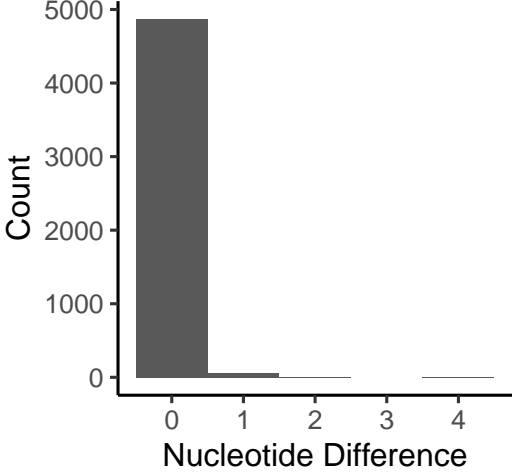
TRBV1*ap01

638 sequences assigned
627 (98.3%) exact matches, in which:
617 unique CDR3
13 unique J



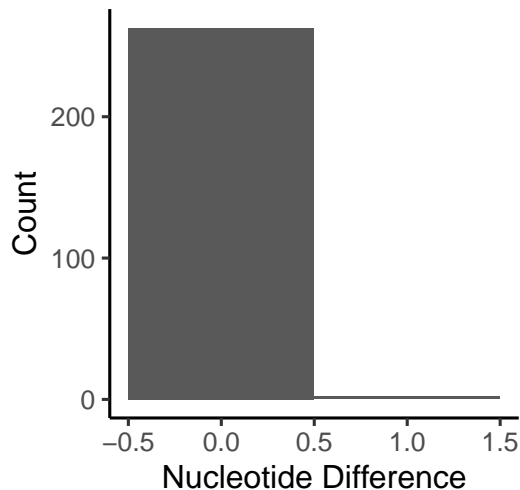
TRBV15*ap02

4933 sequences assigned
4870 (98.7%) exact matches, in which:
4849 unique CDR3
13 unique J



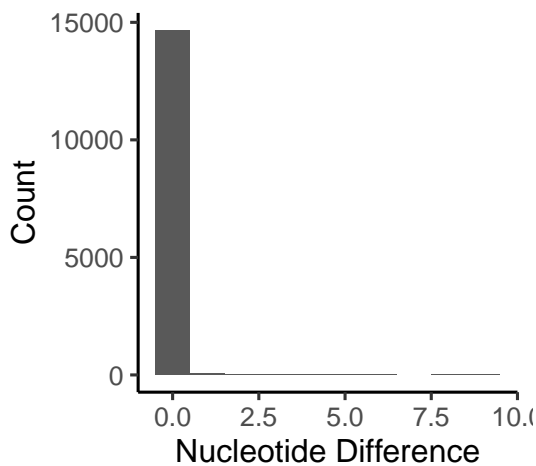
TRBV16*ap01

265 sequences assigned
263 (99.2%) exact matches, in which:
263 unique CDR3
13 unique J



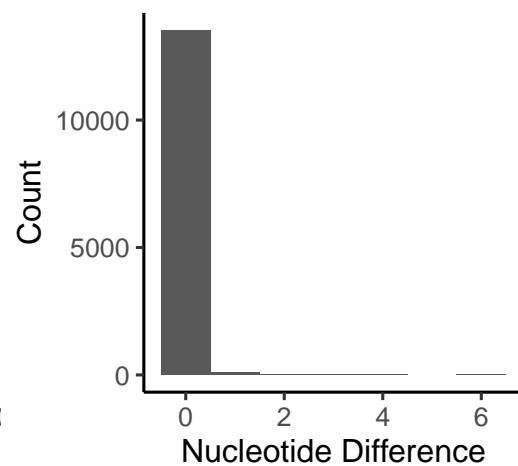
TRBV19*ap01

14767 sequences assigned
14668 (99.3%) exact matches, in which:
14646 unique CDR3
13 unique J



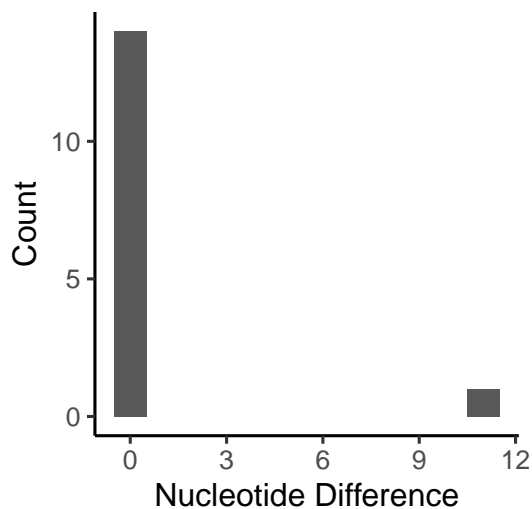
TRBV28*ap01

13624 sequences assigned
13527 (99.3%) exact matches, in which:
13491 unique CDR3
13 unique J



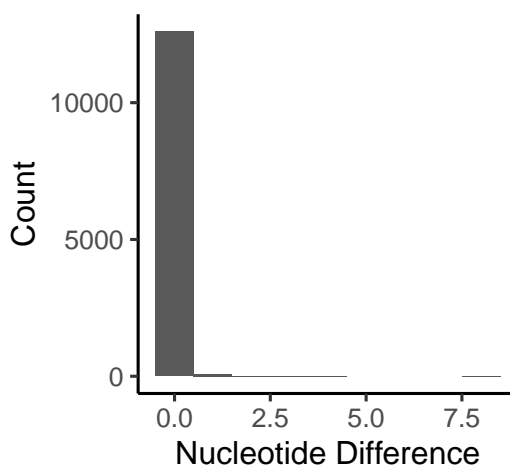
TRBV17*ap01

15 sequences assigned
14 (93.3%) exact matches, in which:
14 unique CDR3
8 unique J



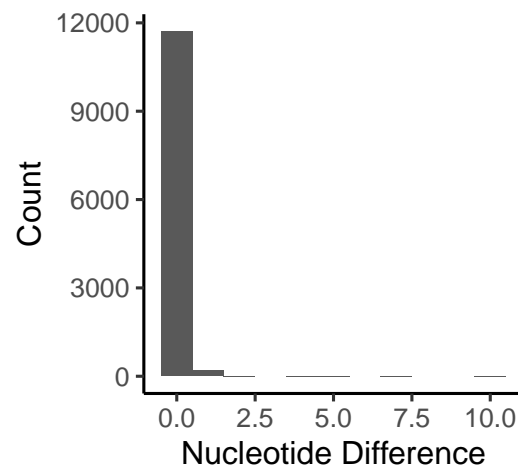
TRBV2*ap01

12696 sequences assigned
12603 (99.3%) exact matches, in which:
12538 unique CDR3
13 unique J



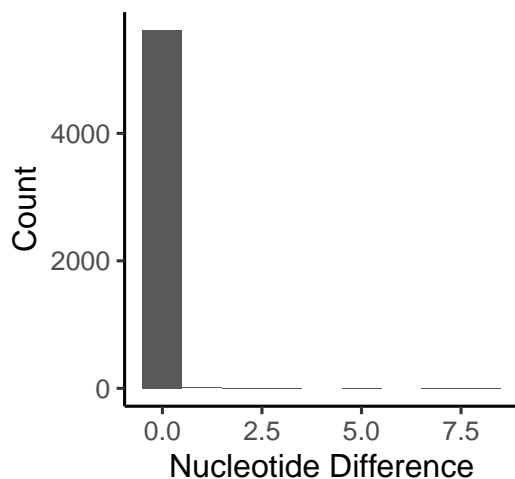
TRBV30*ap02

11915 sequences assigned
11708 (98.3%) exact matches, in which:
11622 unique CDR3
13 unique J



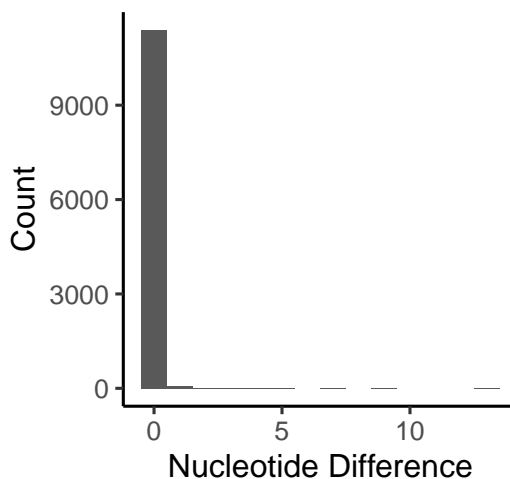
TRBV18*ap01

5644 sequences assigned
5621 (99.6%) exact matches, in which:
5605 unique CDR3
13 unique J



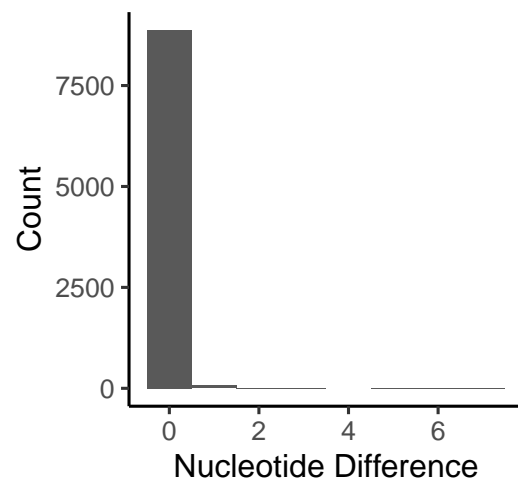
TRBV27*ap01

11492 sequences assigned
11389 (99.1%) exact matches, in which:
11345 unique CDR3
13 unique J



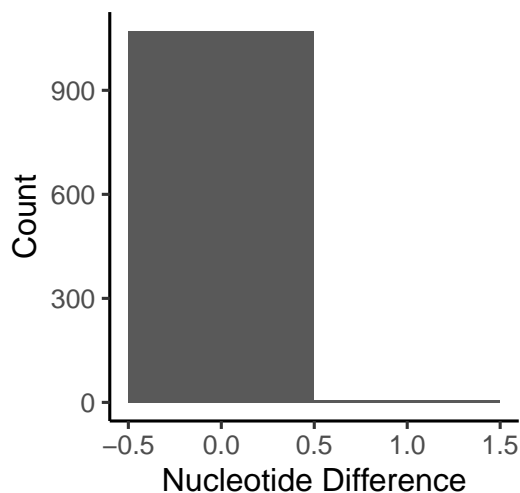
TRBV9*ap01

8953 sequences assigned
8875 (99.1%) exact matches, in which:
8850 unique CDR3
13 unique J



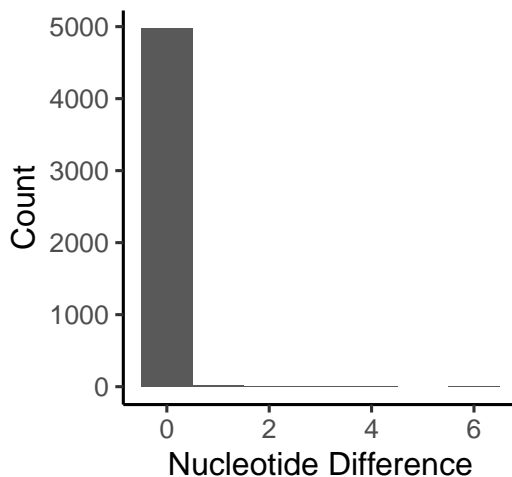
TRBV11-1*ap01

1078 sequences assigned
1072 (99.4%) exact matches, in which:
1070 unique CDR3
13 unique J



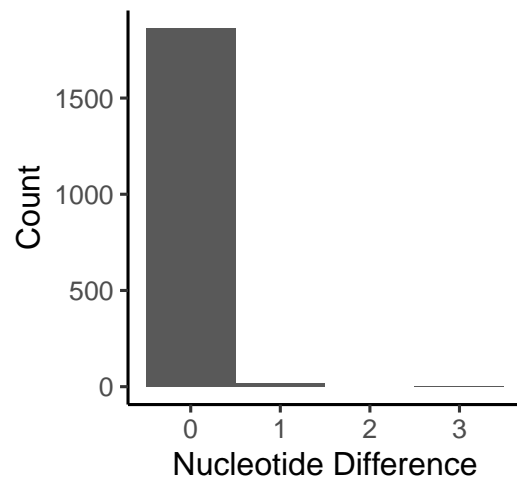
TRBV11-3*ap01

5006 sequences assigned
4975 (99.4%) exact matches, in which:
4963 unique CDR3
13 unique J



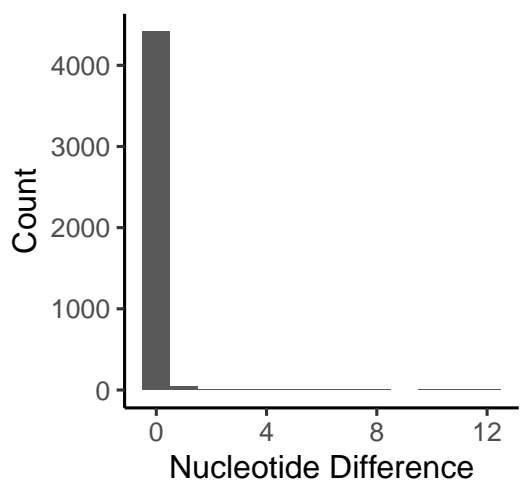
TRBV12-5*ap01

1881 sequences assigned
1862 (99%) exact matches, in which:
1854 unique CDR3
13 unique J



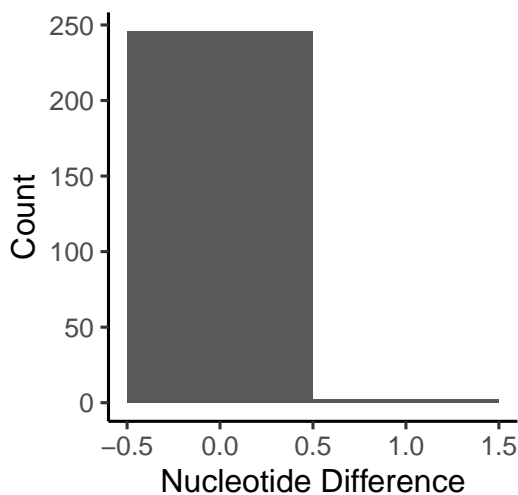
TRBV21-1*ap01

4480 sequences assigned
4414 (98.5%) exact matches, in which:
4394 unique CDR3
13 unique J



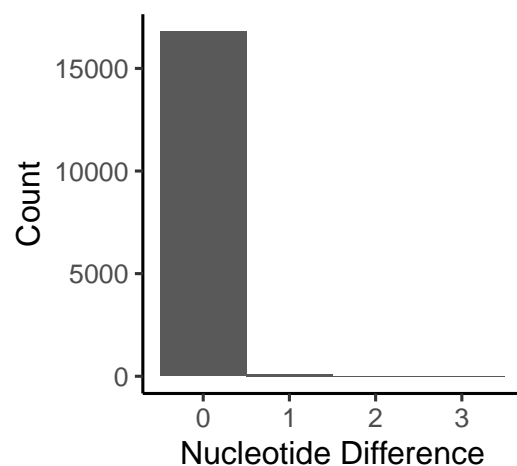
TRBV12-1*ap01

248 sequences assigned
246 (99.2%) exact matches, in which:
245 unique CDR3
13 unique J



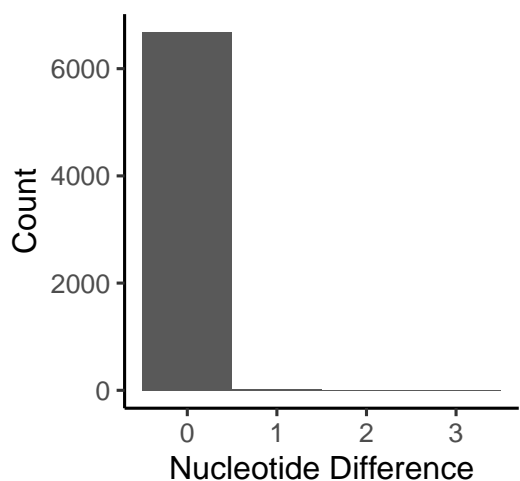
TRBV12-34*ap01

16911 sequences assigned
16800 (99.3%) exact matches, in which:
16729 unique CDR3
13 unique J



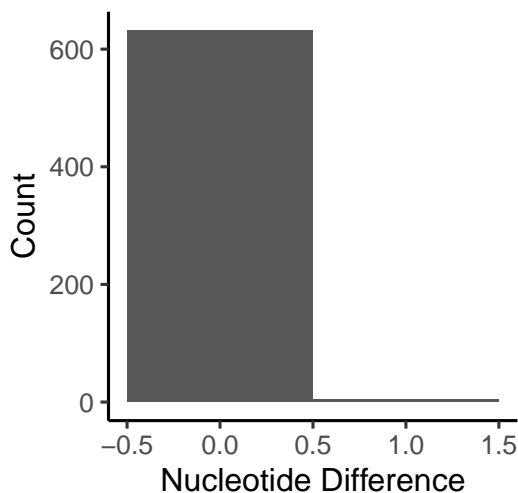
TRBV11-2*ap01

6712 sequences assigned
6683 (99.6%) exact matches, in which:
6659 unique CDR3
13 unique J



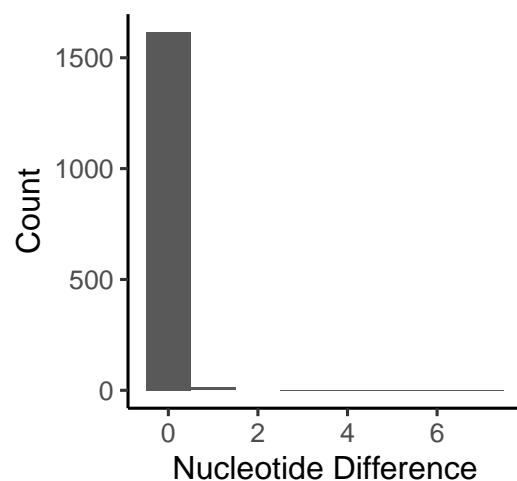
TRBV12-2*ap01

637 sequences assigned
632 (99.2%) exact matches, in which:
627 unique CDR3
13 unique J



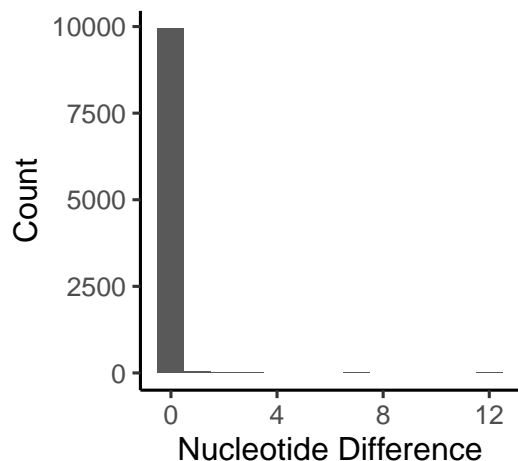
TRBV23-1*ap01

1634 sequences assigned
1616 (98.9%) exact matches, in which:
1605 unique CDR3
13 unique J



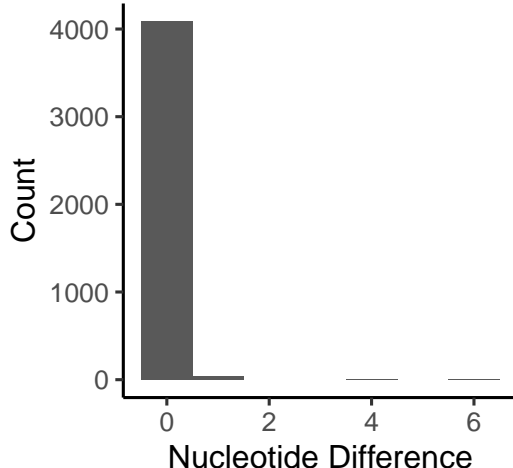
TRBV3–12*ap01

10011 sequences assigned
9954 (99.4%) exact matches, in which:
9935 unique CDR3
13 unique J



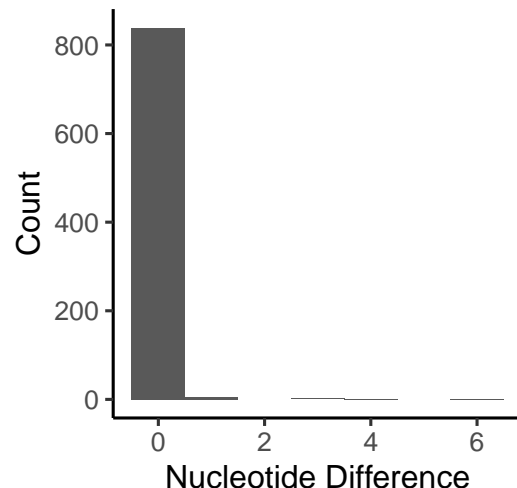
TRBV4–2*ap01

4134 sequences assigned
4087 (98.9%) exact matches, in which:
4074 unique CDR3
13 unique J



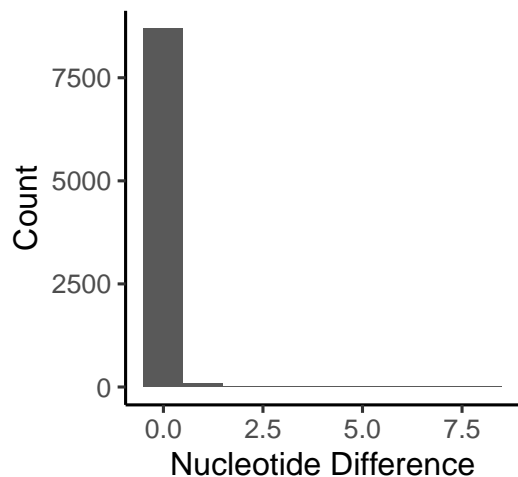
TRBV5–3*ap01

849 sequences assigned
839 (98.8%) exact matches, in which:
831 unique CDR3
13 unique J



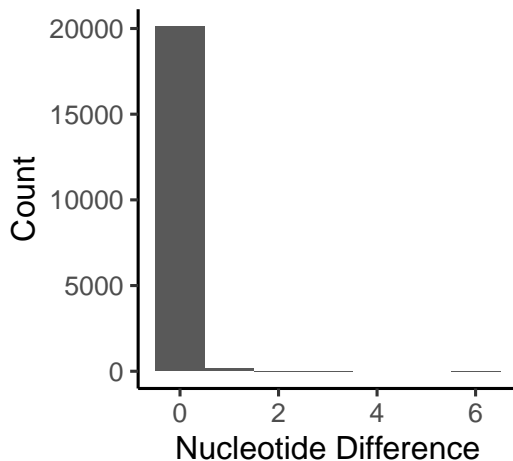
TRBV24–1*ap01

8807 sequences assigned
8689 (98.7%) exact matches, in which:
8642 unique CDR3
13 unique J



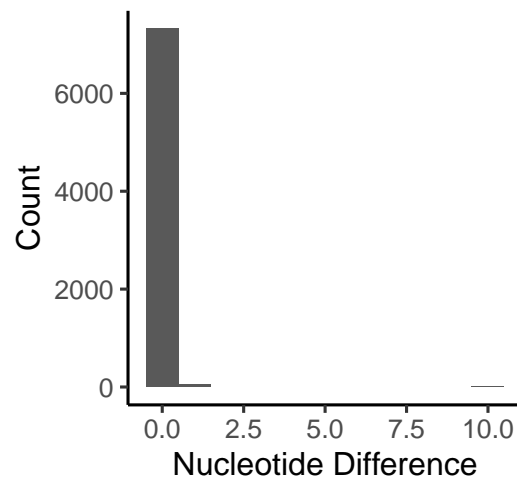
TRBV5–1*ap01

20294 sequences assigned
20118 (99.1%) exact matches, in which:
20030 unique CDR3
13 unique J



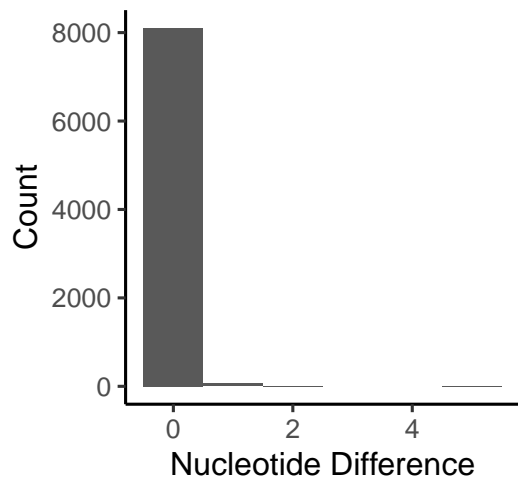
TRBV5–4*ap01

7379 sequences assigned
7321 (99.2%) exact matches, in which:
7291 unique CDR3
13 unique J



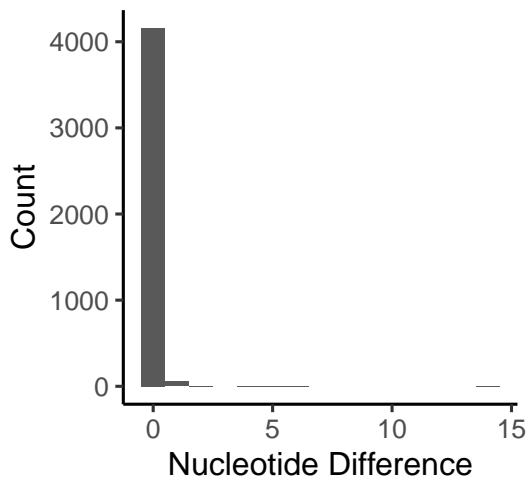
TRBV4–1*ap01

8168 sequences assigned
8103 (99.2%) exact matches, in which:
8069 unique CDR3
13 unique J



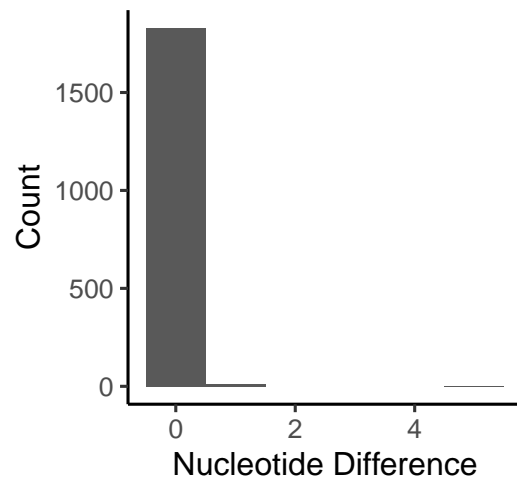
TRBV25–1*ap01

4223 sequences assigned
4159 (98.5%) exact matches, in which:
4128 unique CDR3
13 unique J



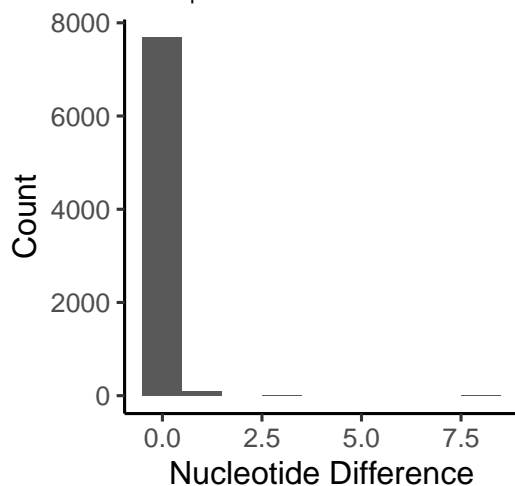
TRBV5–5*ap01

1841 sequences assigned
1829 (99.3%) exact matches, in which:
1826 unique CDR3
13 unique J



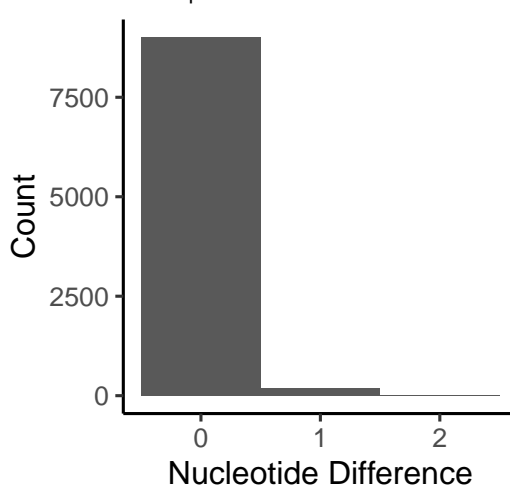
TRBV5-6*ap01

7786 sequences assigned
7687 (98.7%) exact matches, in which:
7612 unique CDR3
13 unique J



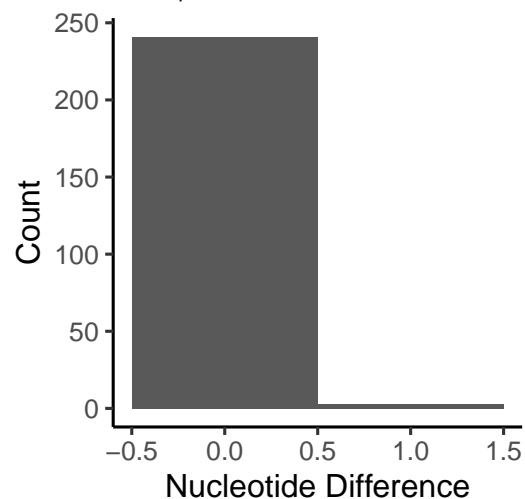
TRBV6-1*ap01

9198 sequences assigned
9005 (97.9%) exact matches, in which:
8933 unique CDR3
13 unique J



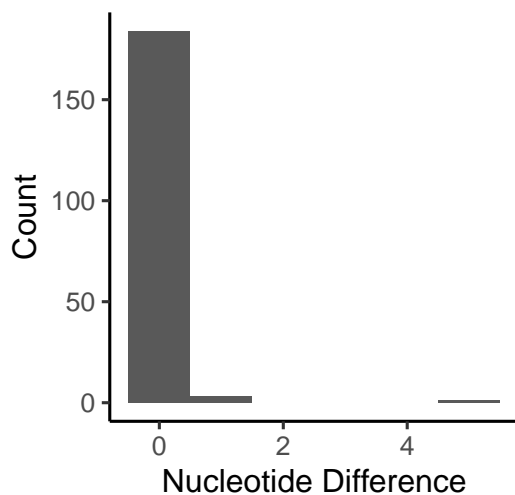
TRBV6-8*ap01

244 sequences assigned
241 (98.8%) exact matches, in which:
240 unique CDR3
13 unique J



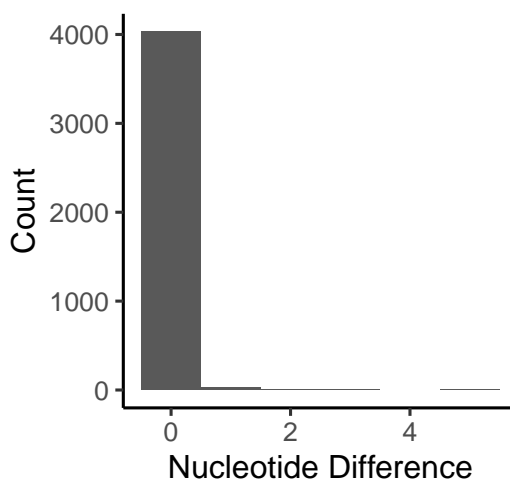
TRBV5-7*ap01

188 sequences assigned
184 (97.9%) exact matches, in which:
183 unique CDR3
13 unique J



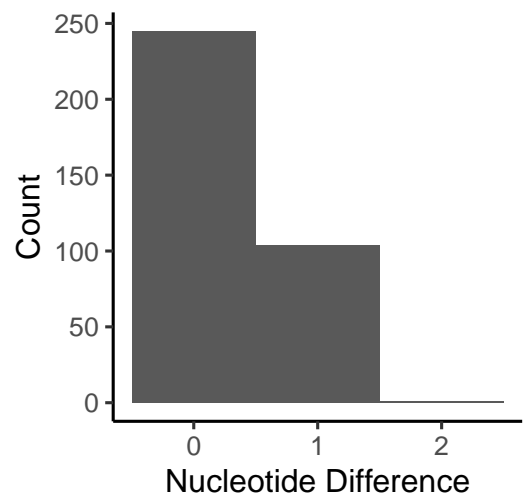
TRBV6-4*ap01

4065 sequences assigned
4031 (99.2%) exact matches, in which:
4006 unique CDR3
13 unique J



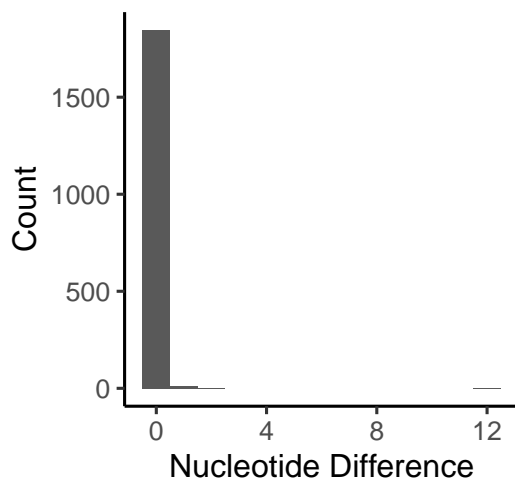
TRBV6-9*ap01

350 sequences assigned
245 (70%) exact matches, in which:
241 unique CDR3
13 unique J



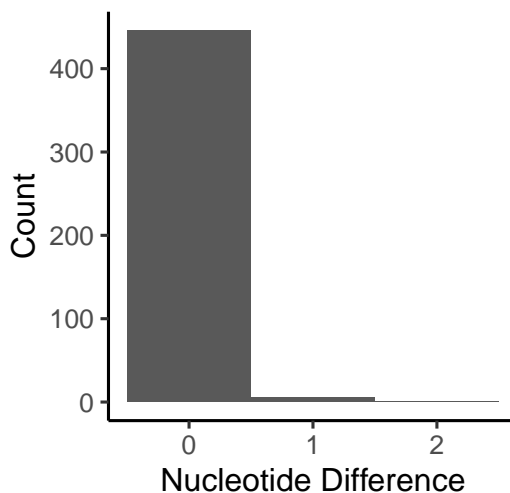
TRBV5-8*ap01

1860 sequences assigned
1846 (99.2%) exact matches, in which:
1838 unique CDR3
13 unique J



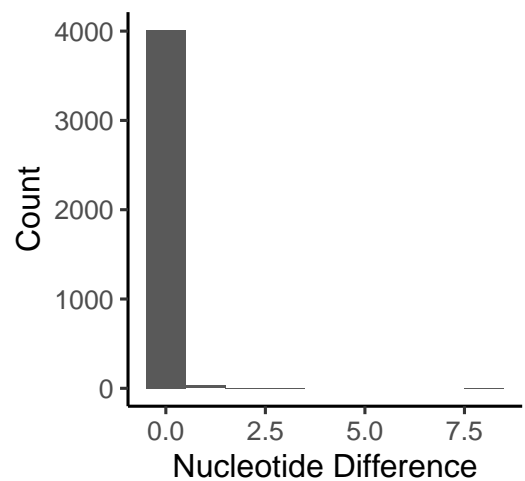
TRBV6-7*ap01

452 sequences assigned
446 (98.7%) exact matches, in which:
441 unique CDR3
13 unique J



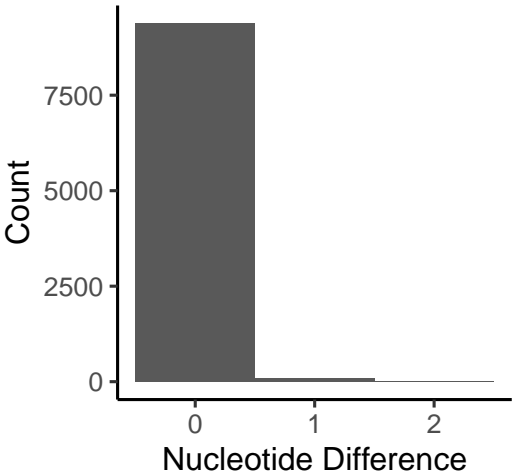
TRBV6-23*ap01

4048 sequences assigned
4012 (99.1%) exact matches, in which:
3973 unique CDR3
13 unique J



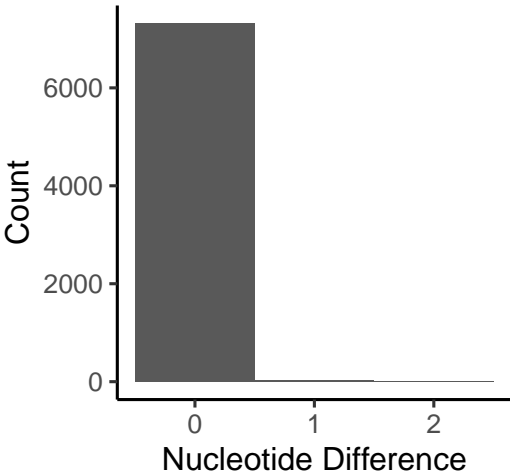
TRBV6-56*ap01

9462 sequences assigned
9379 (99.1%) exact matches, in which:
9318 unique CDR3
13 unique J



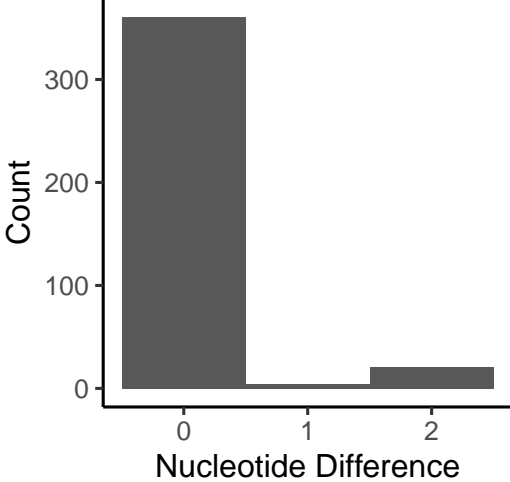
TRBV7-2*ap01

7346 sequences assigned
7316 (99.6%) exact matches, in which:
7296 unique CDR3
13 unique J



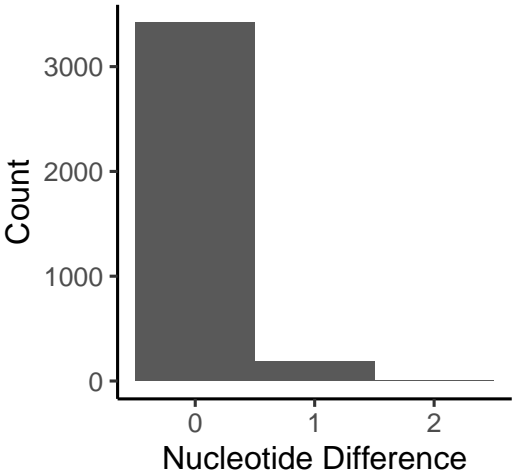
TRBV7-4*ap01

386 sequences assigned
361 (93.5%) exact matches, in which:
359 unique CDR3
13 unique J



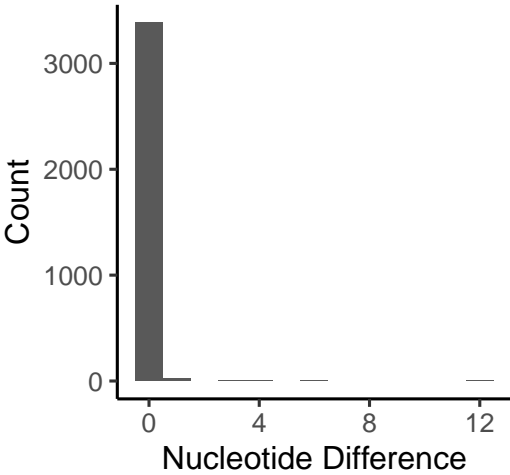
TRBV6-56*ap02

3604 sequences assigned
3419 (94.9%) exact matches, in which:
3393 unique CDR3
13 unique J



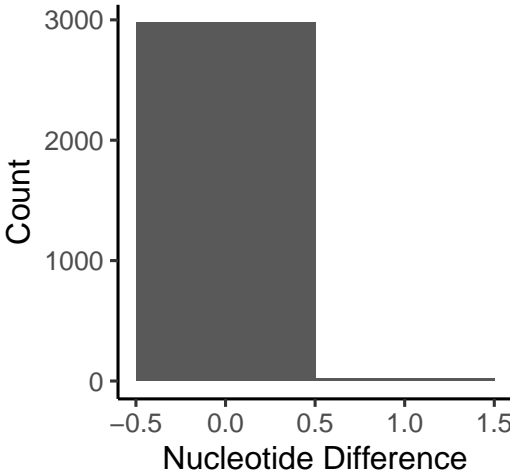
TRBV7-3*ap01

3412 sequences assigned
3384 (99.2%) exact matches, in which:
3371 unique CDR3
13 unique J



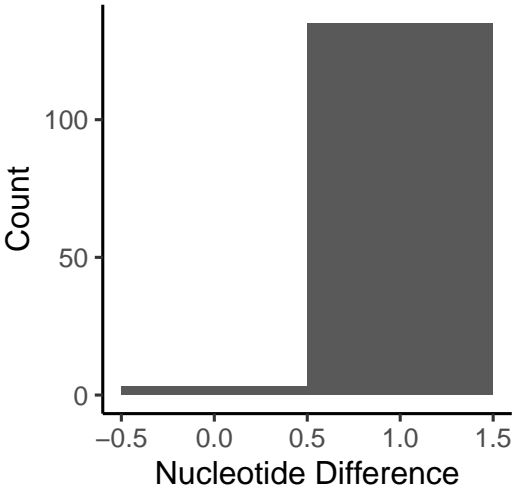
TRBV7-6*ap01

2995 sequences assigned
2976 (99.4%) exact matches, in which:
2968 unique CDR3
13 unique J



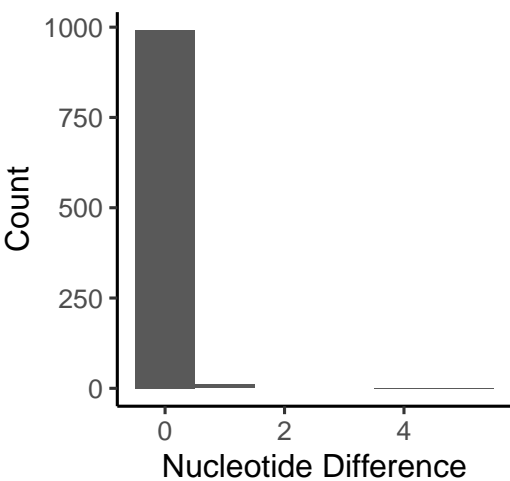
TRBV7-1*ap01_T296C

138 sequences assigned
3 (2.2%) exact matches, in which:
3 unique CDR3
3 unique J



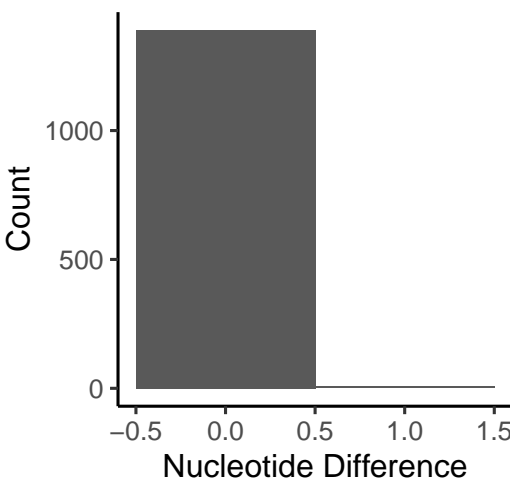
TRBV7-3*ap03

1005 sequences assigned
992 (98.7%) exact matches, in which:
981 unique CDR3
13 unique J



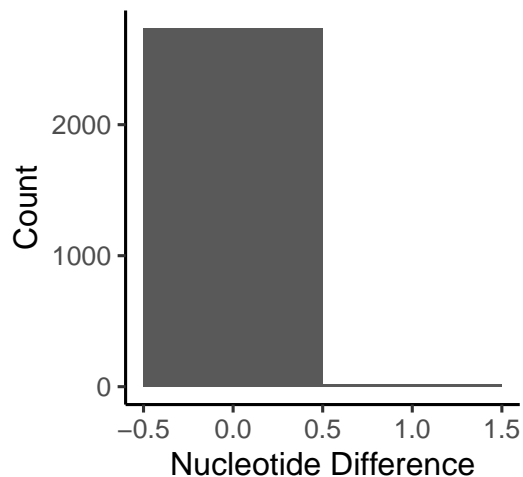
TRBV7-7*ap01_C315T

1397 sequences assigned
1390 (99.5%) exact matches, in which:
1385 unique CDR3
13 unique J



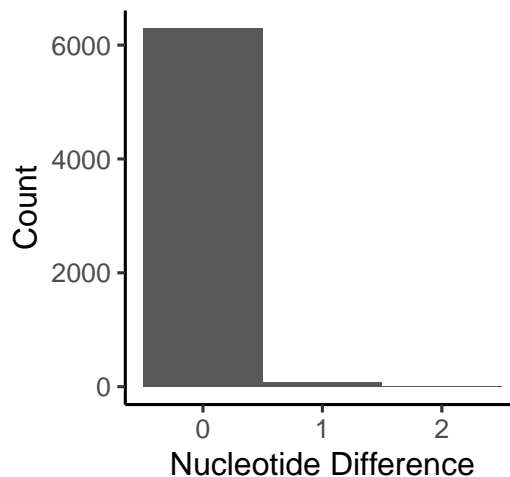
TRBV7-8*ap01

2755 sequences assigned
2735 (99.3%) exact matches, in which:
2730 unique CDR3
13 unique J



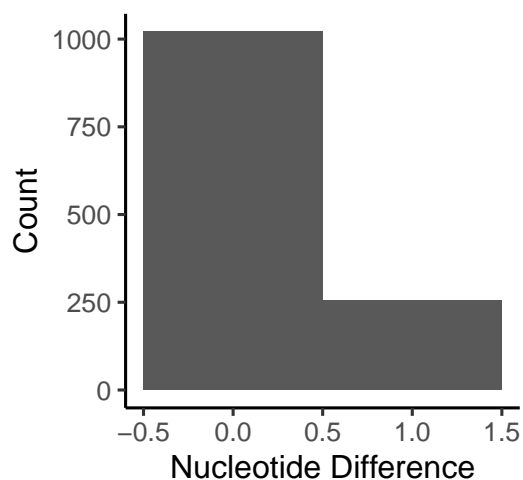
TRBV29-1*ap01

6381 sequences assigned
6293 (98.6%) exact matches, in which:
6254 unique CDR3
13 unique J



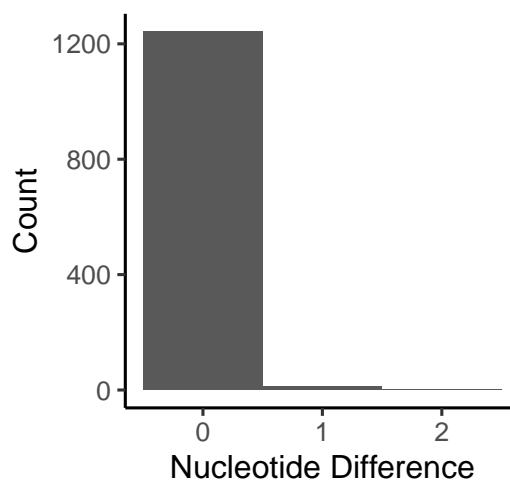
TRBV7-8*ap03

1277 sequences assigned
1021 (80%) exact matches, in which:
1015 unique CDR3
13 unique J



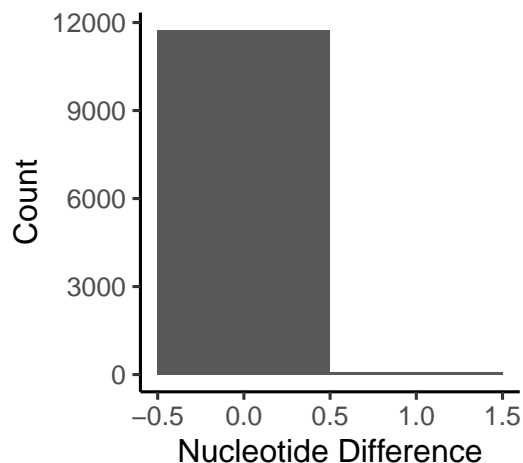
TRBV29-1*ap02

1255 sequences assigned
1242 (99%) exact matches, in which:
1237 unique CDR3
13 unique J

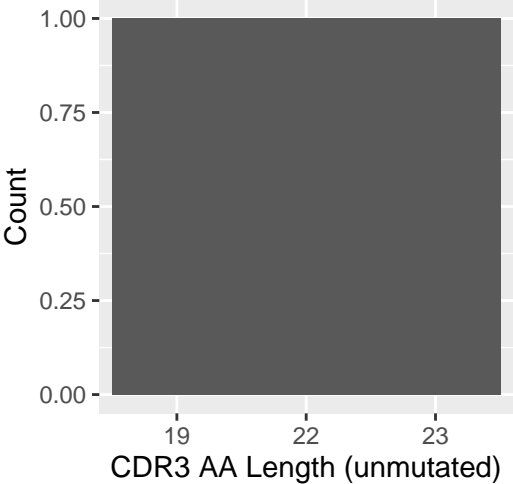


TRBV7-9*ap01

11833 sequences assigned
11753 (99.3%) exact matches, in which:
11712 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

