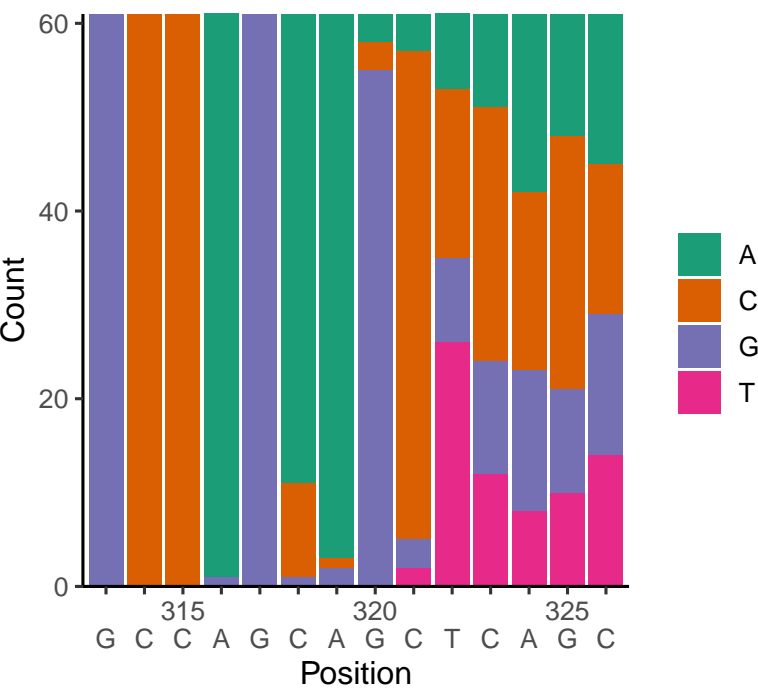
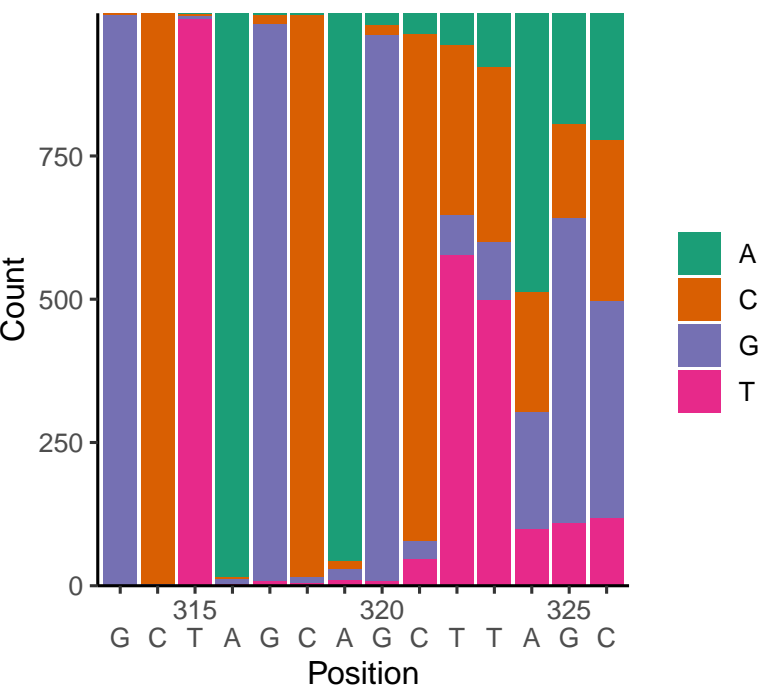


Gene TRBV7-1*ap01_T296C



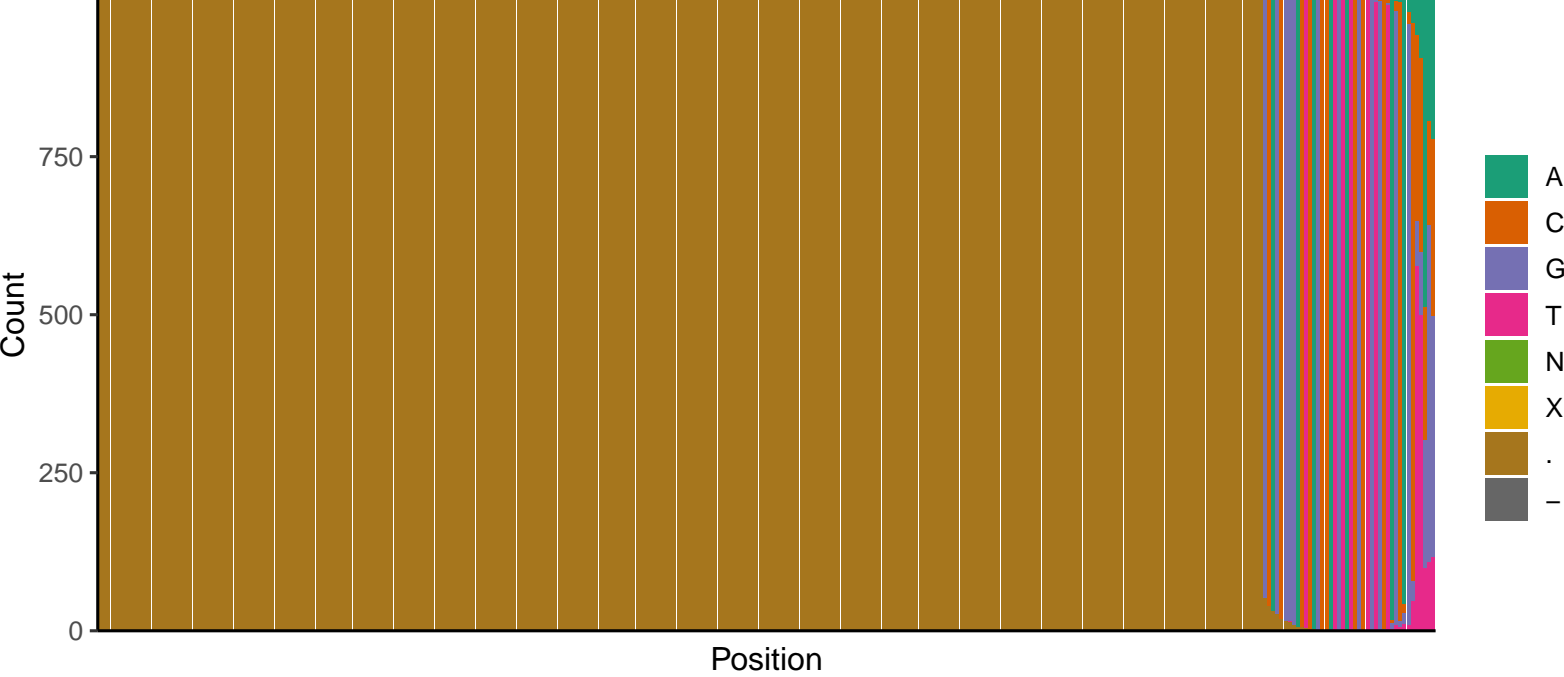
Gene TRBV7-7*ap01_C315T



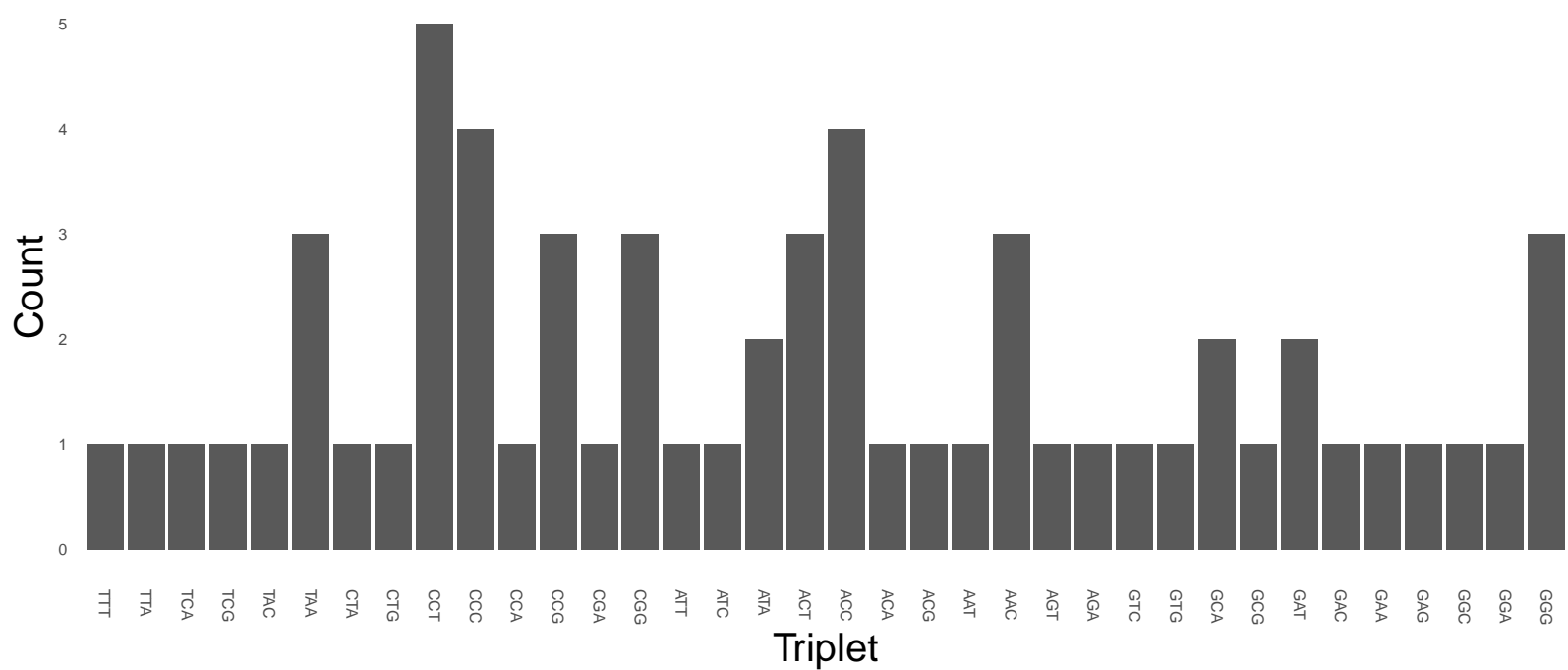
Gene TRBV7-1*ap01_T296C



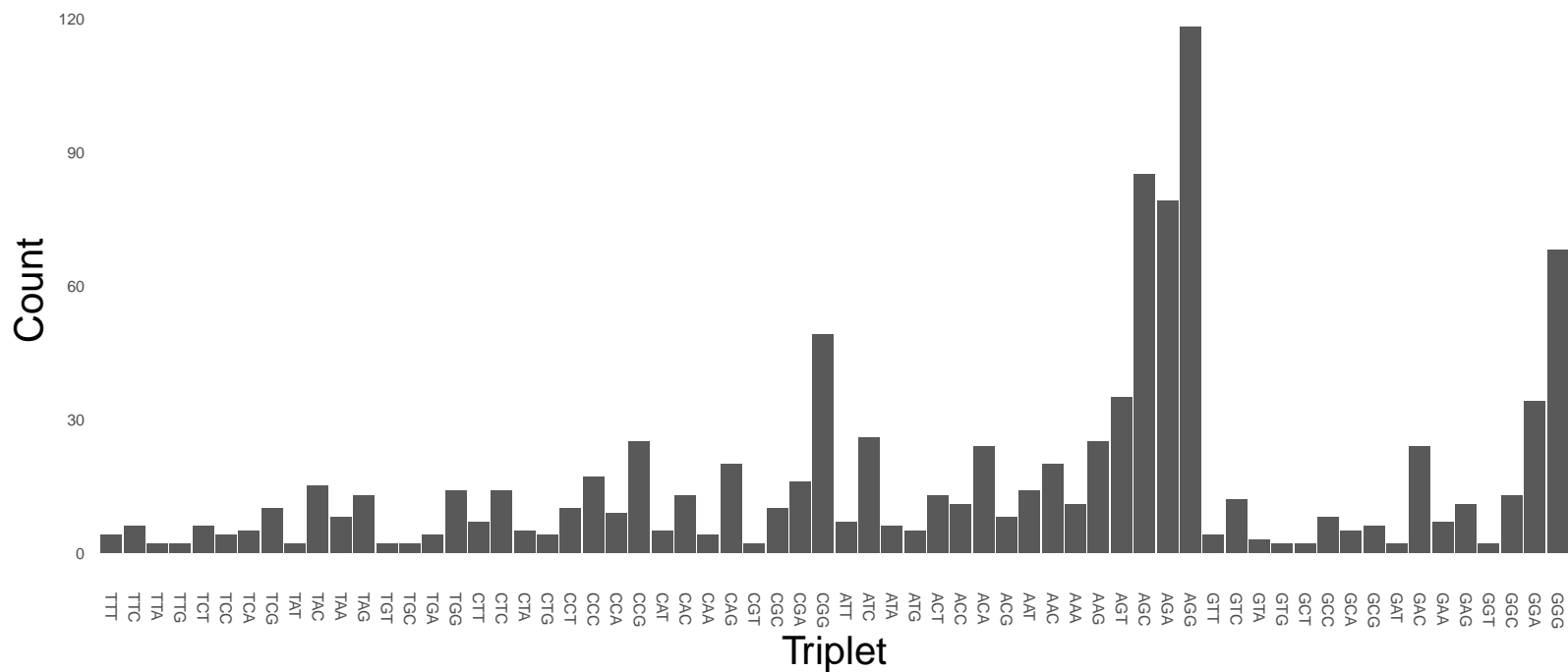
Gene TRBV7-7*ap01_C315T



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

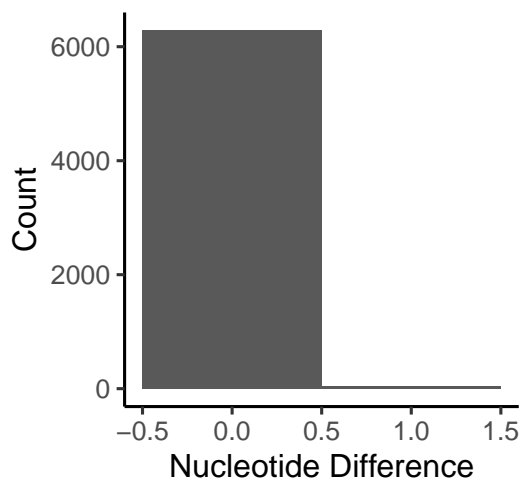


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



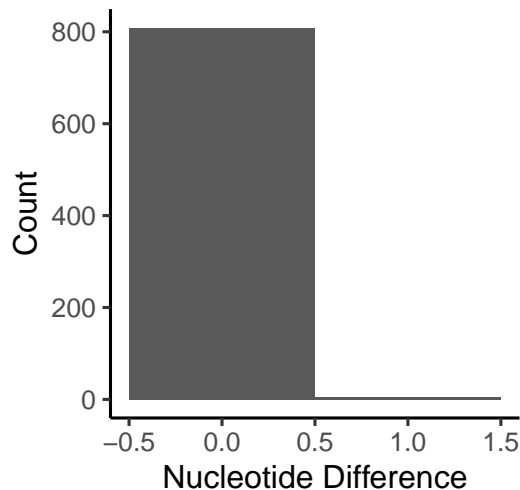
TRBV20-1*ap01

6329 sequences assigned
6286 (99.3%) exact matches, in which:
6257 unique CDR3
13 unique J



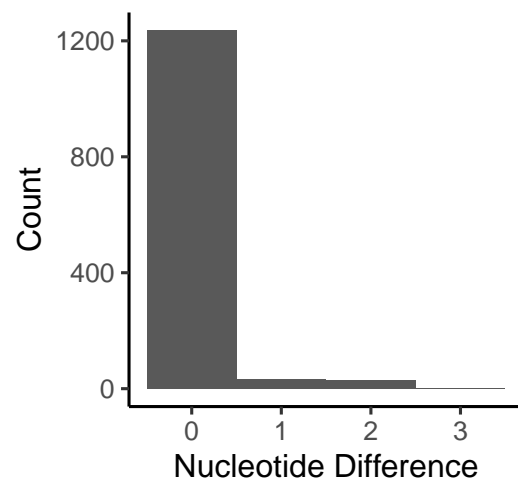
TRBV10-2*ap01

814 sequences assigned
809 (99.4%) exact matches, in which:
803 unique CDR3
13 unique J



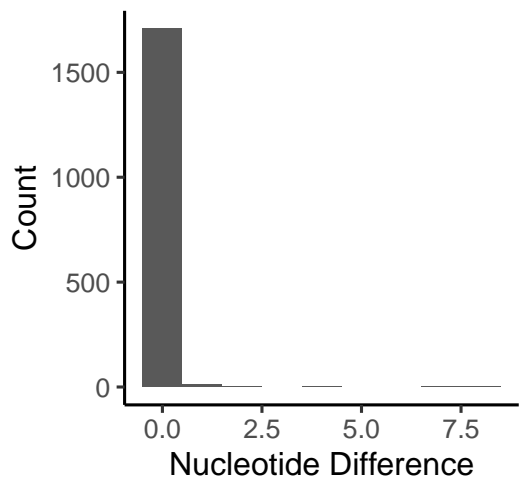
TRBV13*ap01

1301 sequences assigned
1236 (95%) exact matches, in which:
1211 unique CDR3
13 unique J



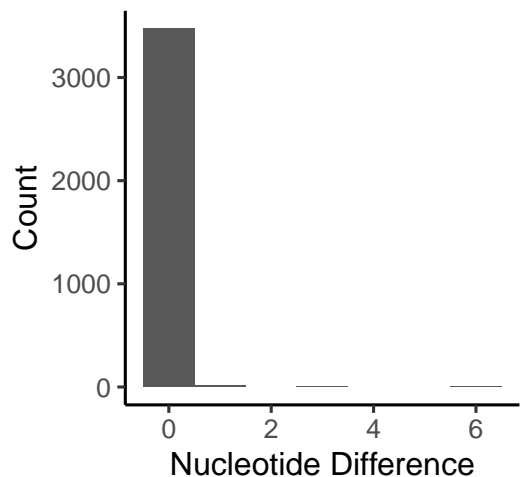
TRBV10-1*ap01

1725 sequences assigned
1708 (99%) exact matches, in which:
1696 unique CDR3
13 unique J



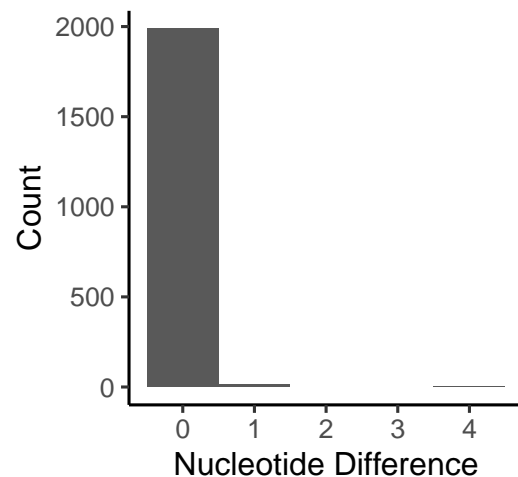
TRBV10-3*ap01

3490 sequences assigned
3473 (99.5%) exact matches, in which:
3450 unique CDR3
13 unique J



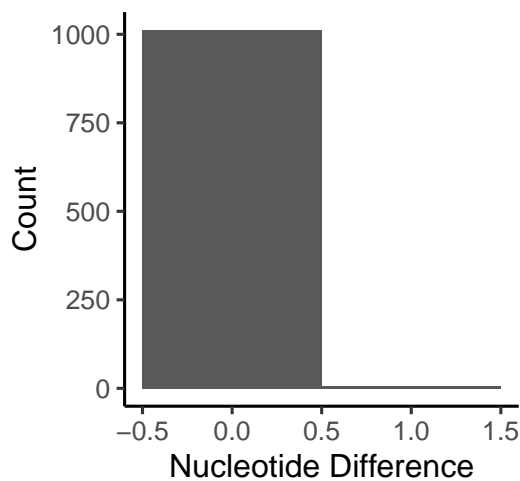
TRBV14*ap01

2001 sequences assigned
1988 (99.4%) exact matches, in which:
1978 unique CDR3
13 unique J



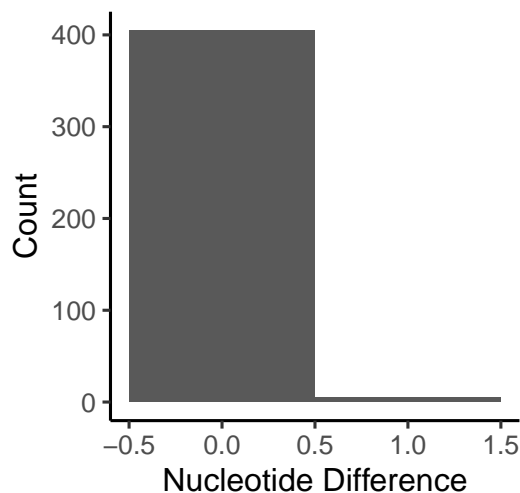
TRBV20-1*ap02

1019 sequences assigned
1012 (99.3%) exact matches, in which:
1006 unique CDR3
13 unique J



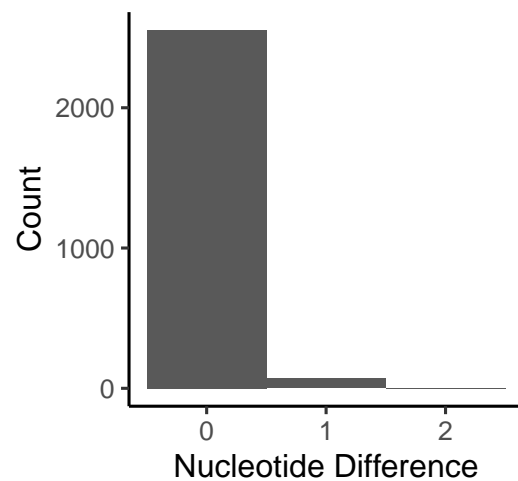
TRBV1*ap01

410 sequences assigned
405 (98.8%) exact matches, in which:
399 unique CDR3
13 unique J



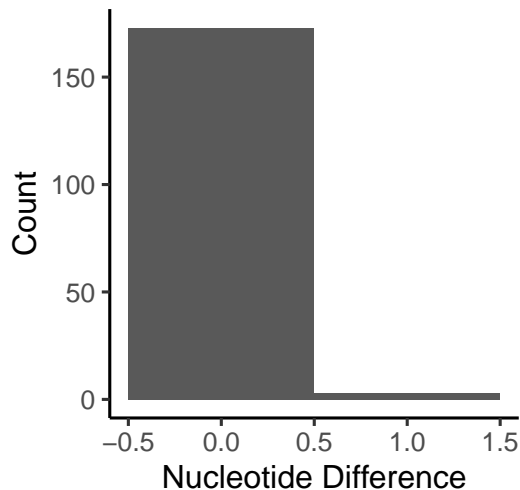
TRBV15*ap02

2627 sequences assigned
2554 (97.2%) exact matches, in which:
2531 unique CDR3
13 unique J



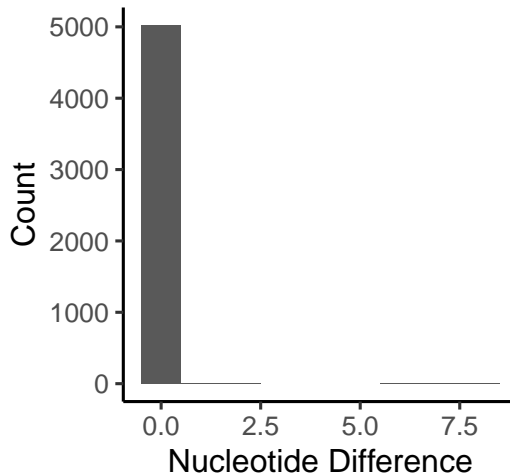
TRBV16*ap01

176 sequences assigned
173 (98.3%) exact matches, in which:
171 unique CDR3
12 unique J



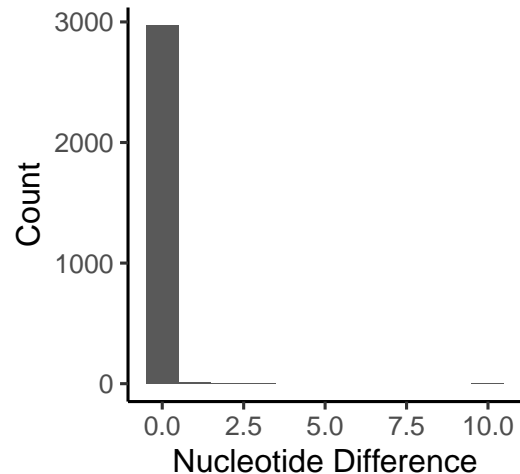
TRBV19*ap01

5040 sequences assigned
5020 (99.6%) exact matches, in which:
5006 unique CDR3
13 unique J



TRBV27*ap01

2984 sequences assigned
2971 (99.6%) exact matches, in which:
2960 unique CDR3
13 unique J



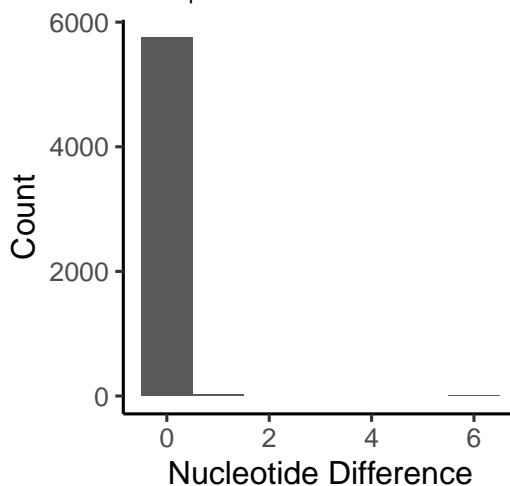
TRBV17*ap01

2 sequences assigned
No exact matches.



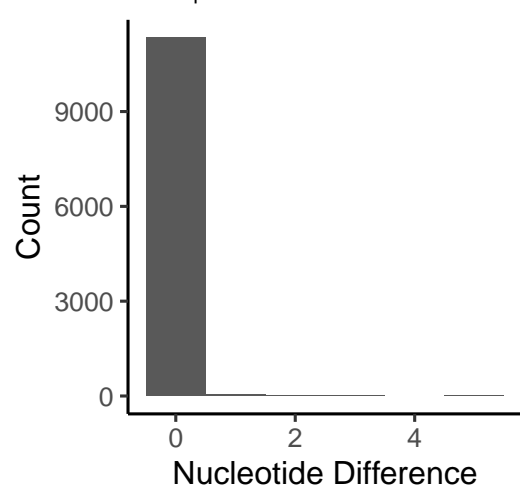
TRBV2*ap01

5777 sequences assigned
5750 (99.5%) exact matches, in which:
5726 unique CDR3
13 unique J



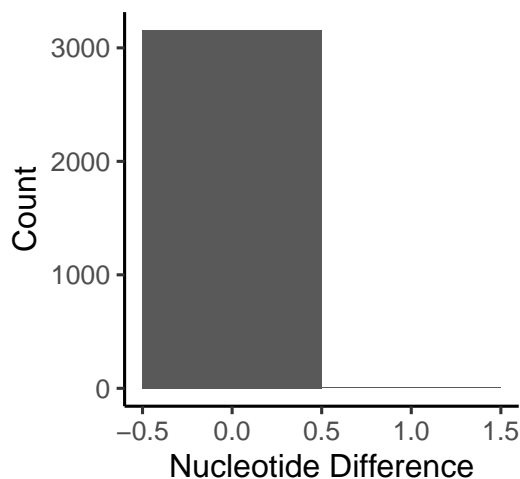
TRBV28*ap01

11392 sequences assigned
11336 (99.5%) exact matches, in which:
11314 unique CDR3
13 unique J



TRBV18*ap01

3163 sequences assigned
3157 (99.8%) exact matches, in which:
3149 unique CDR3
13 unique J



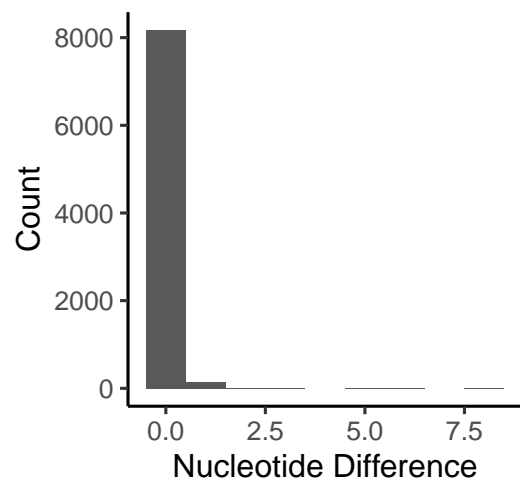
TRBV26*ap01

1 sequences assigned
No exact matches.



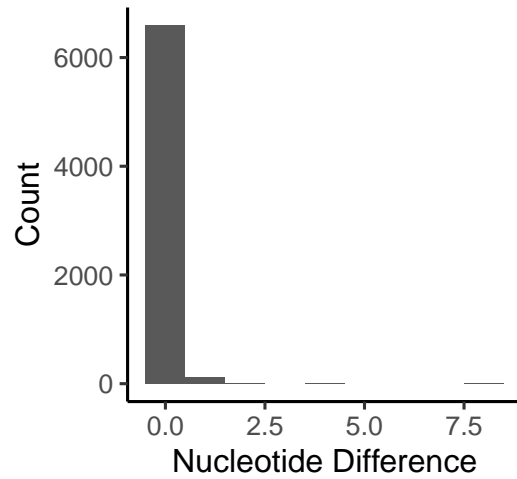
TRBV30*ap01

8326 sequences assigned
8173 (98.2%) exact matches, in which:
8052 unique CDR3
13 unique J



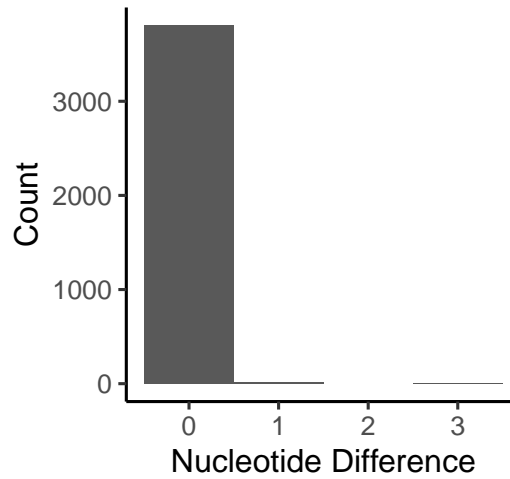
TRBV9*ap01

6716 sequences assigned
6591 (98.1%) exact matches, in which:
6557 unique CDR3
13 unique J



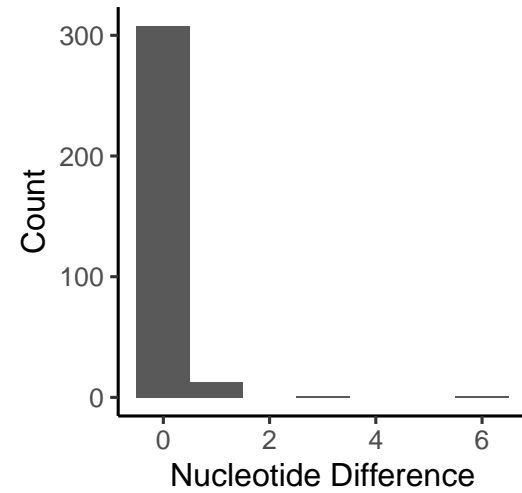
TRBV11-2*ap01

3819 sequences assigned
3806 (99.7%) exact matches, in which:
3792 unique CDR3
13 unique J



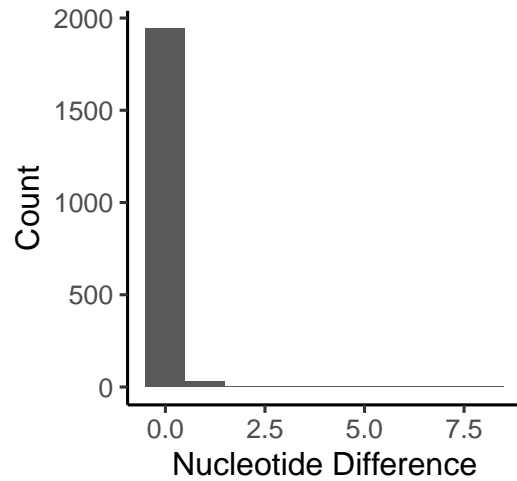
TRBV12-2*ap01

323 sequences assigned
308 (95.4%) exact matches, in which:
304 unique CDR3
13 unique J



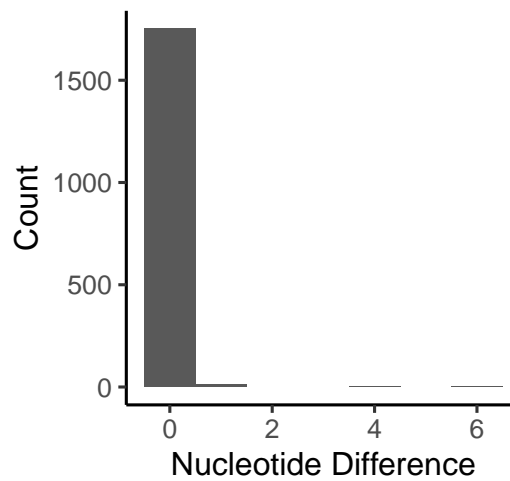
TRBV21-1*ap01

1982 sequences assigned
1942 (98%) exact matches, in which:
1934 unique CDR3
13 unique J



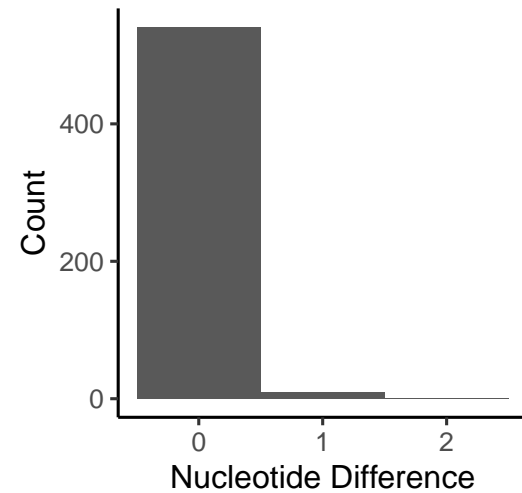
TRBV11-3*ap01

1765 sequences assigned
1752 (99.3%) exact matches, in which:
1748 unique CDR3
13 unique J



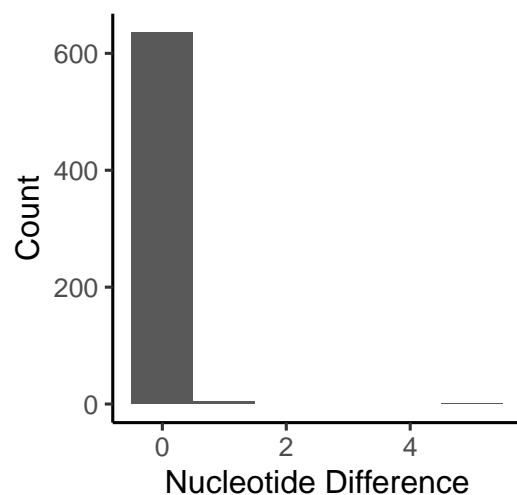
TRBV12-5*ap01

552 sequences assigned
541 (98%) exact matches, in which:
538 unique CDR3
13 unique J



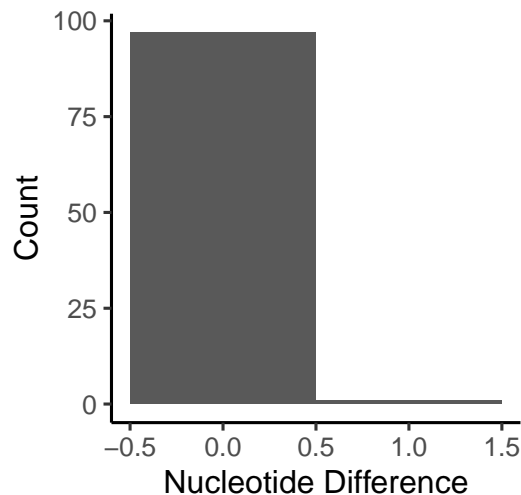
TRBV11-1*ap01

641 sequences assigned
636 (99.2%) exact matches, in which:
633 unique CDR3
13 unique J



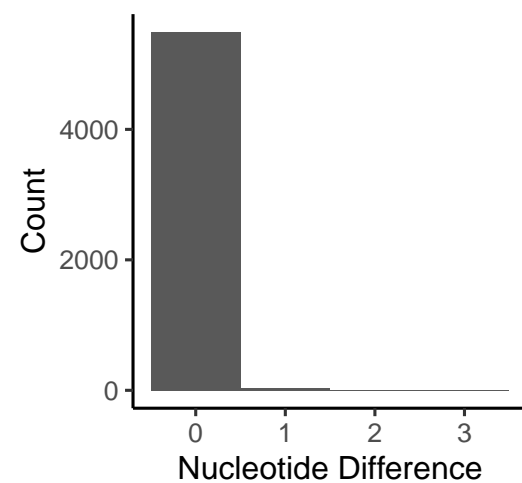
TRBV12-1*ap01

98 sequences assigned
97 (99%) exact matches, in which:
97 unique CDR3
13 unique J



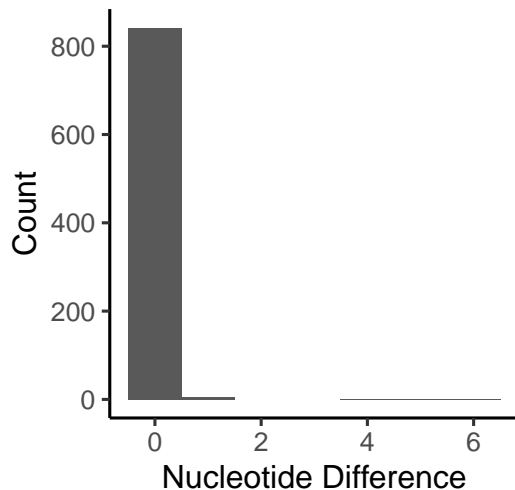
TRBV12-34*ap01

5530 sequences assigned
5492 (99.3%) exact matches, in which:
5471 unique CDR3
13 unique J



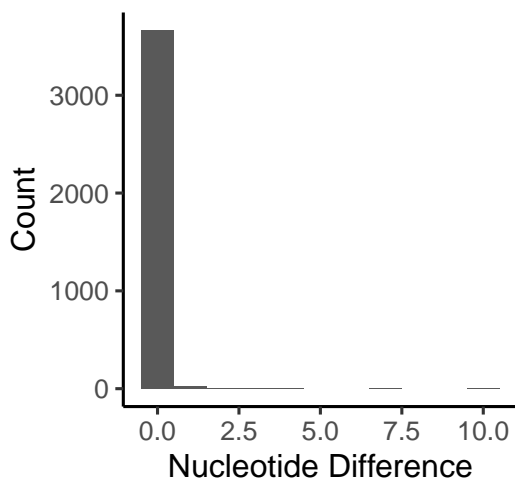
TRBV23–1*ap01

850 sequences assigned
842 (99.1%) exact matches, in which:
838 unique CDR3
13 unique J



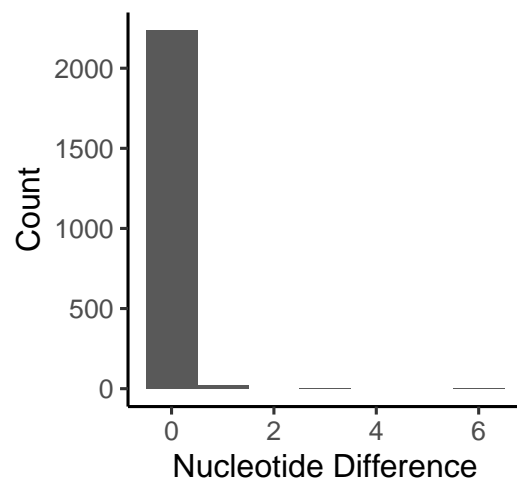
TRBV24–1*ap01

3699 sequences assigned
3663 (99%) exact matches, in which:
3631 unique CDR3
13 unique J



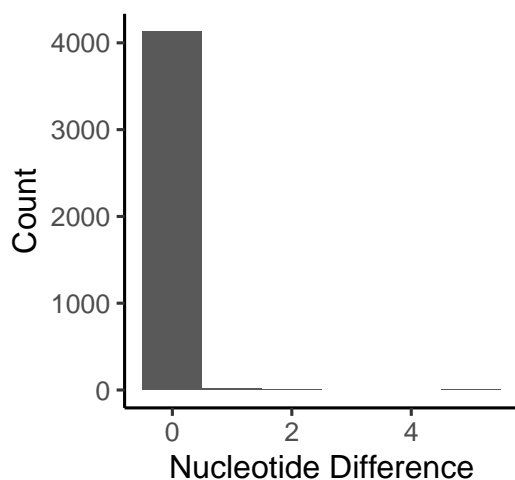
TRBV25–1*ap01

2264 sequences assigned
2236 (98.8%) exact matches, in which:
2211 unique CDR3
13 unique J



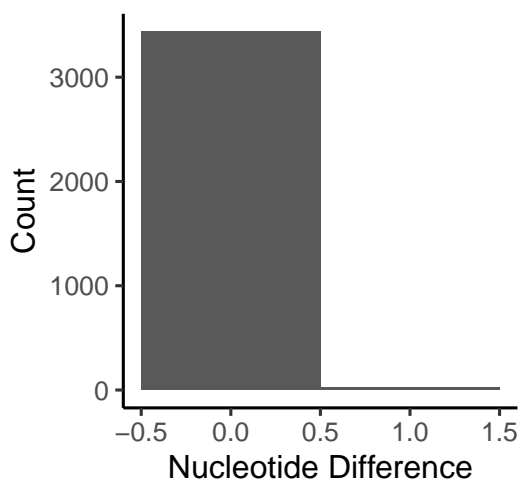
TRBV3–12*ap01

4148 sequences assigned
4128 (99.5%) exact matches, in which:
4125 unique CDR3
13 unique J



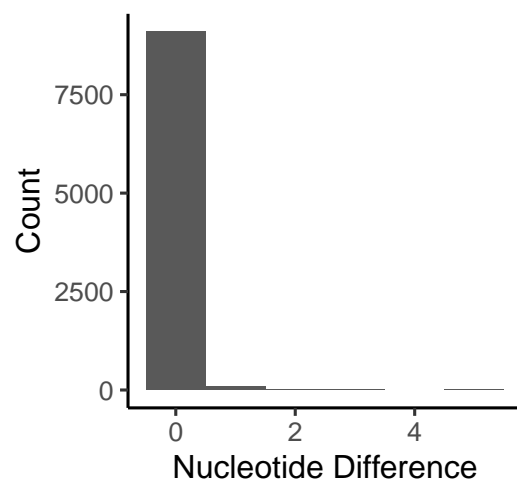
TRBV4–2*ap01

3463 sequences assigned
3436 (99.2%) exact matches, in which:
3413 unique CDR3
13 unique J



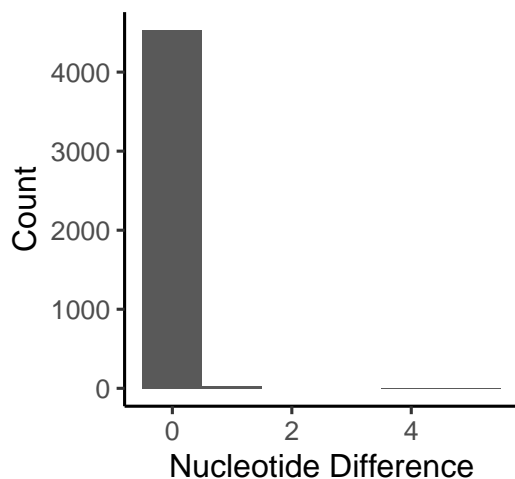
TRBV5–1*ap01

9184 sequences assigned
9099 (99.1%) exact matches, in which:
9047 unique CDR3
13 unique J



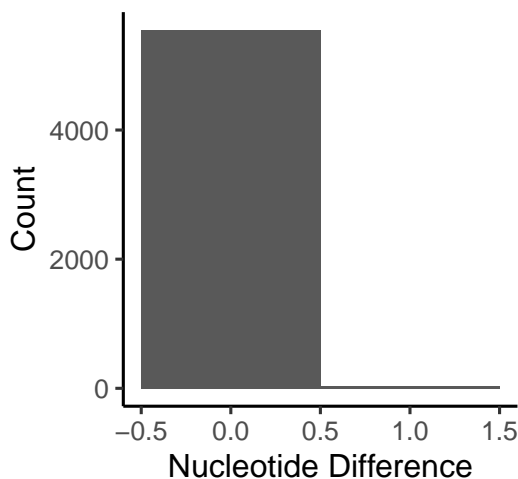
TRBV4–1*ap01

4567 sequences assigned
4532 (99.2%) exact matches, in which:
4489 unique CDR3
13 unique J



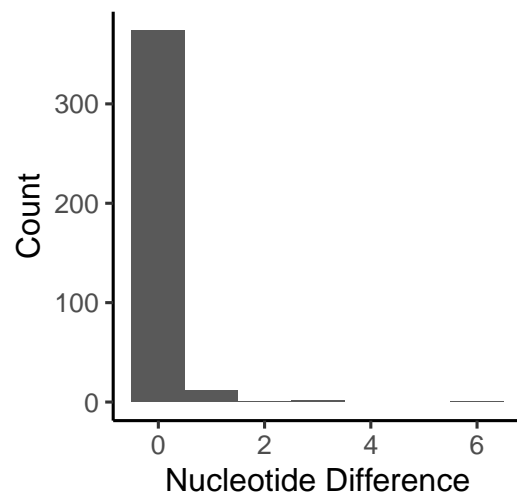
TRBV4–3*ap01

5580 sequences assigned
5548 (99.4%) exact matches, in which:
5500 unique CDR3
13 unique J



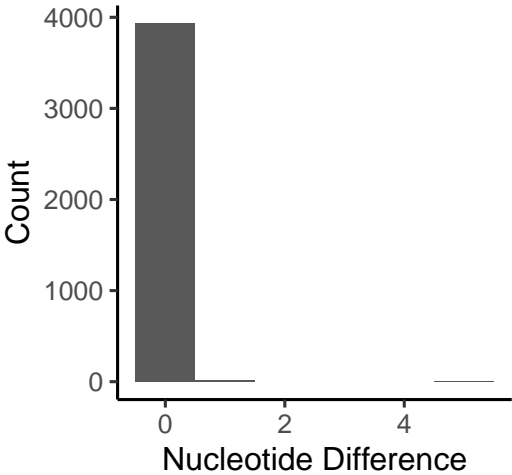
TRBV5–3*ap01

390 sequences assigned
374 (95.9%) exact matches, in which:
372 unique CDR3
13 unique J



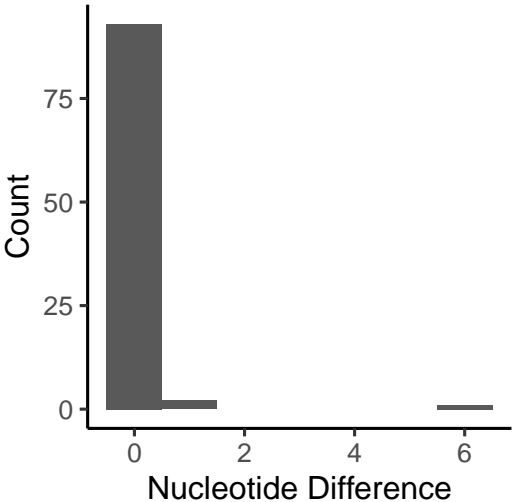
TRBV5-4*ap01

3952 sequences assigned
3933 (99.5%) exact matches, in which:
3909 unique CDR3
13 unique J



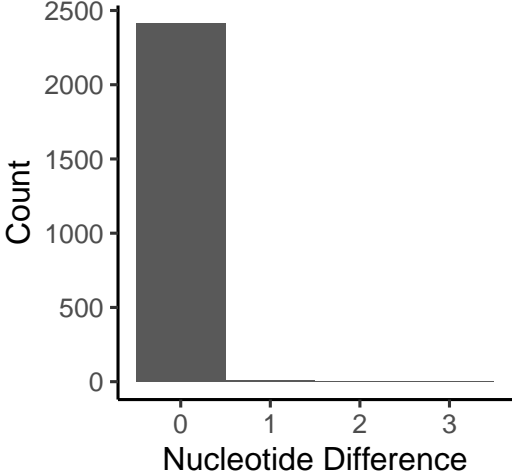
TRBV5-7*ap01

96 sequences assigned
93 (96.9%) exact matches, in which:
92 unique CDR3
13 unique J



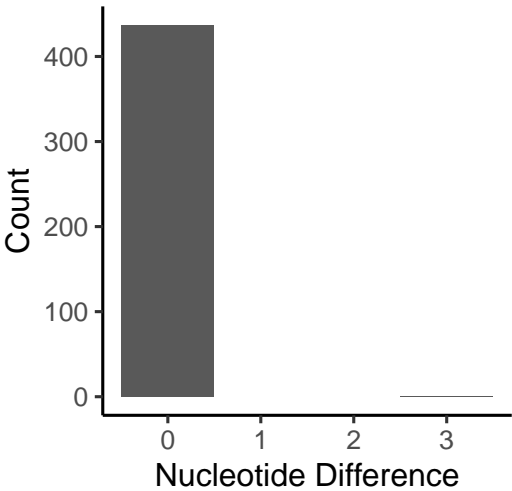
TRBV6-4*ap01

2429 sequences assigned
2413 (99.3%) exact matches, in which:
2408 unique CDR3
13 unique J



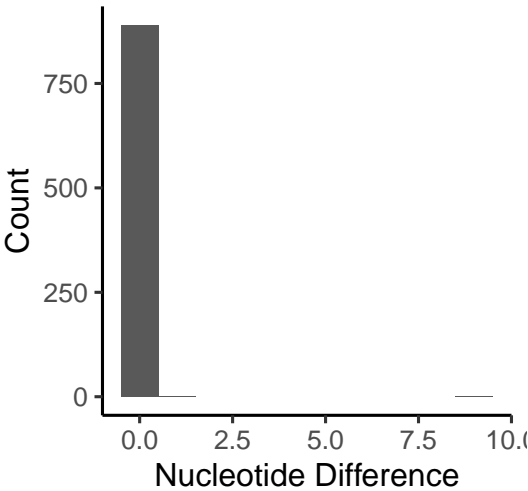
TRBV5-5*ap01

438 sequences assigned
437 (99.8%) exact matches, in which:
435 unique CDR3
13 unique J



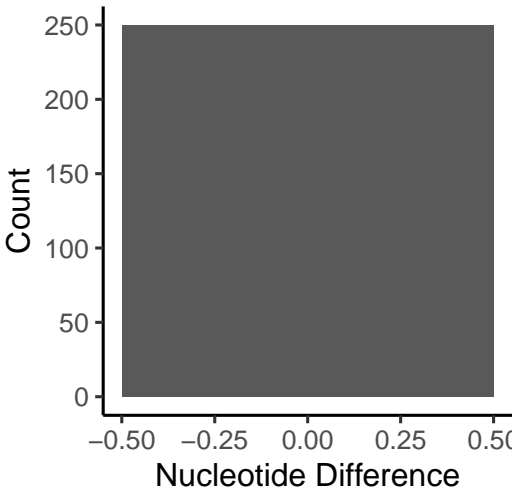
TRBV5-8*ap01

892 sequences assigned
890 (99.8%) exact matches, in which:
888 unique CDR3
13 unique J



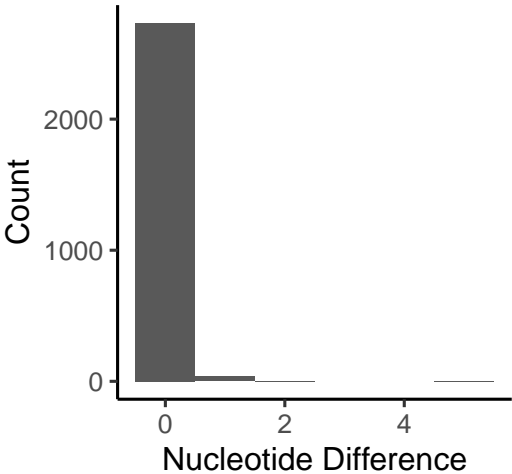
TRBV6-7*ap01

250 sequences assigned
250 (100%) exact matches, in which:
247 unique CDR3
14 unique J



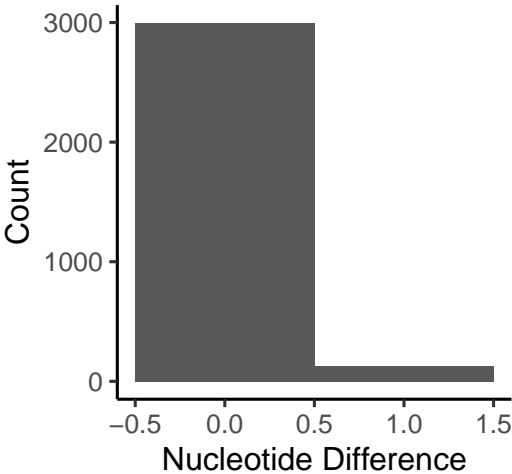
TRBV5-6*ap01

2773 sequences assigned
2733 (98.6%) exact matches, in which:
2715 unique CDR3
13 unique J



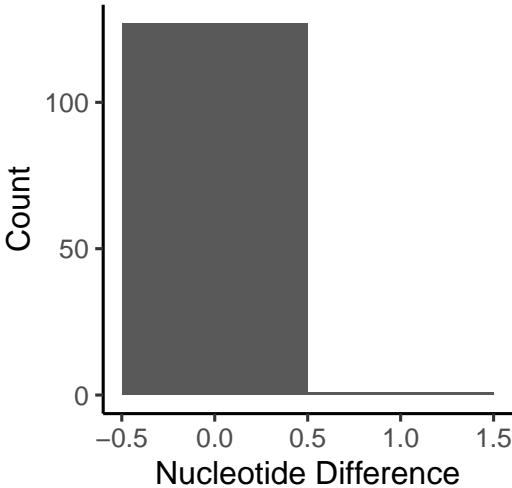
TRBV6-1*ap01

3126 sequences assigned
2996 (95.8%) exact matches, in which:
2978 unique CDR3
13 unique J



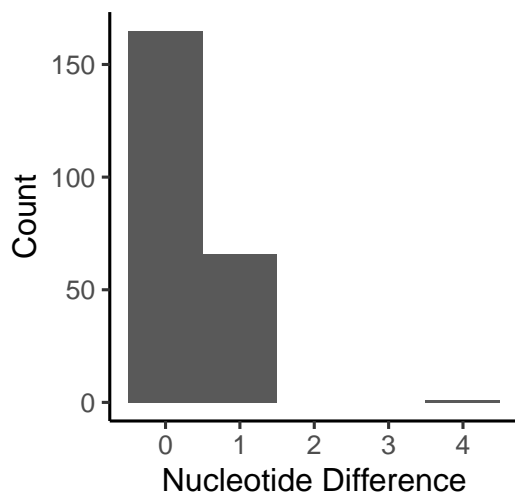
TRBV6-8*ap01

128 sequences assigned
127 (99.2%) exact matches, in which:
127 unique CDR3
13 unique J



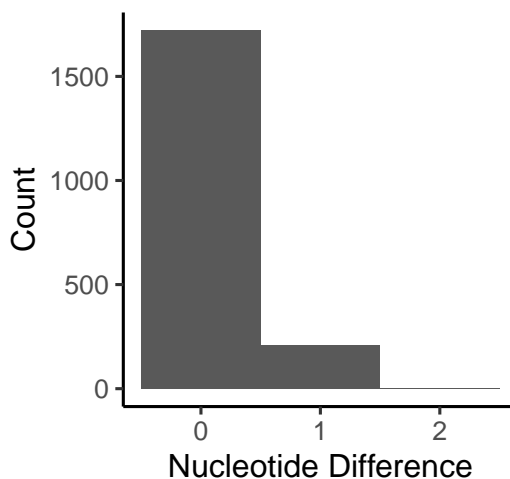
TRBV6–9*ap01

232 sequences assigned
165 (71.1%) exact matches, in which:
163 unique CDR3
13 unique J



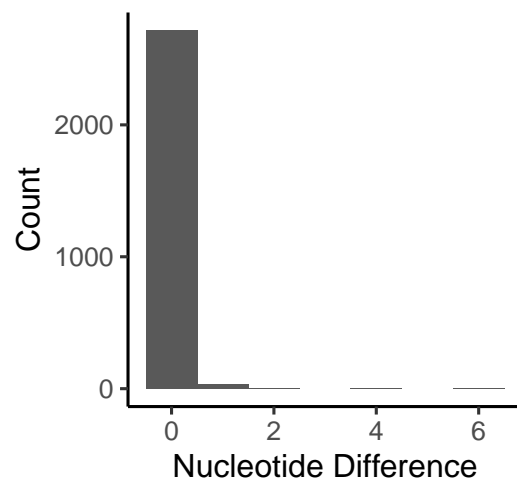
TRBV6–56*ap02

1934 sequences assigned
1721 (89%) exact matches, in which:
1708 unique CDR3
14 unique J



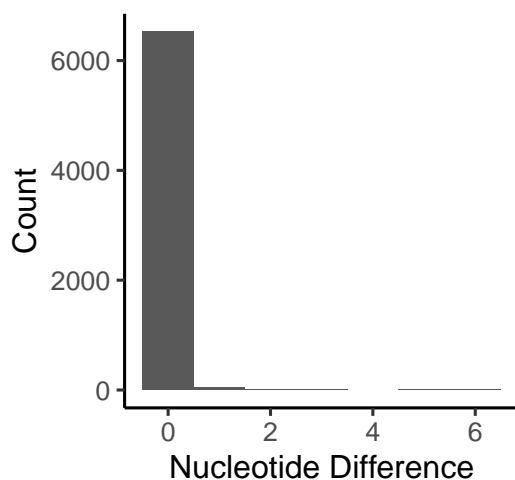
TRBV7–3*ap01

2754 sequences assigned
2716 (98.6%) exact matches, in which:
2704 unique CDR3
13 unique J



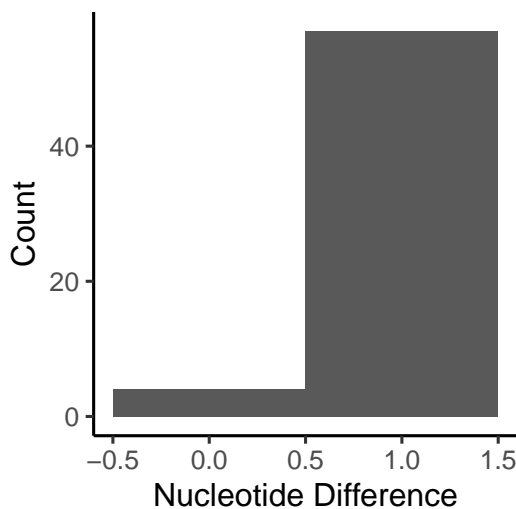
TRBV6–23*ap01

6569 sequences assigned
6525 (99.3%) exact matches, in which:
6486 unique CDR3
13 unique J



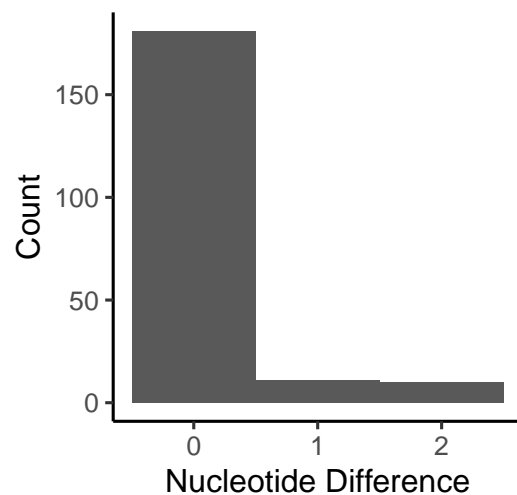
TRBV7–1*ap01_T296C

61 sequences assigned
4 (6.6%) exact matches, in which:
4 unique CDR3
4 unique J



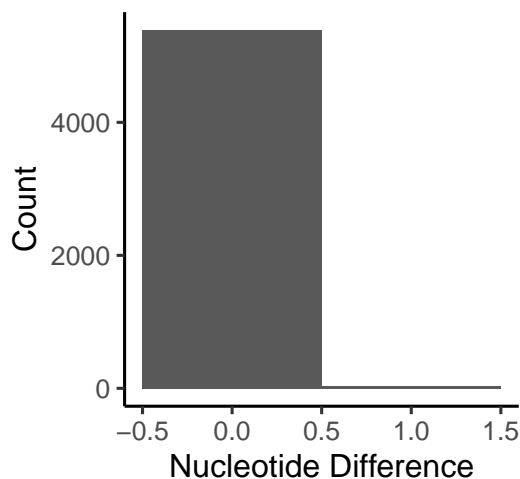
TRBV7–4*ap01

202 sequences assigned
181 (89.6%) exact matches, in which:
175 unique CDR3
13 unique J



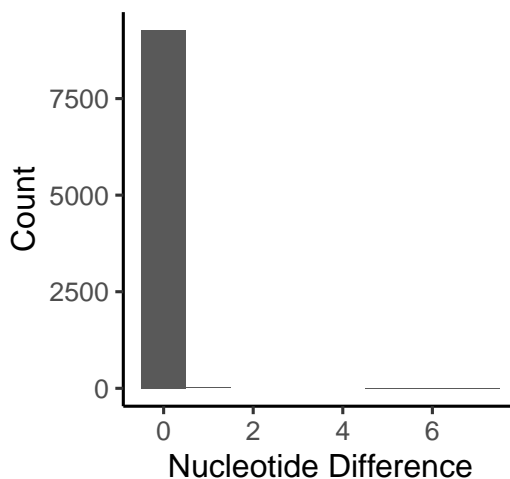
TRBV6–56*ap01

5420 sequences assigned
5388 (99.4%) exact matches, in which:
5334 unique CDR3
14 unique J



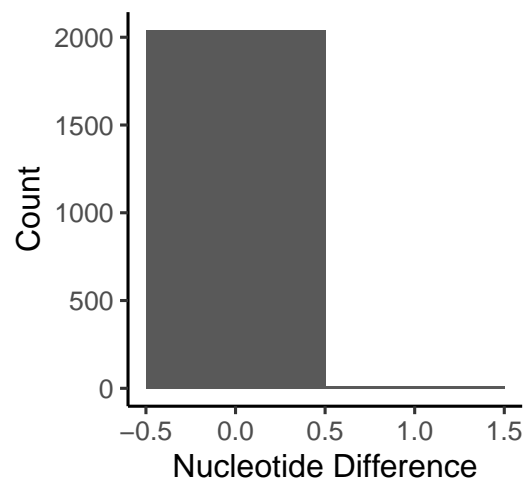
TRBV7–2*ap01

9298 sequences assigned
9274 (99.7%) exact matches, in which:
9238 unique CDR3
13 unique J



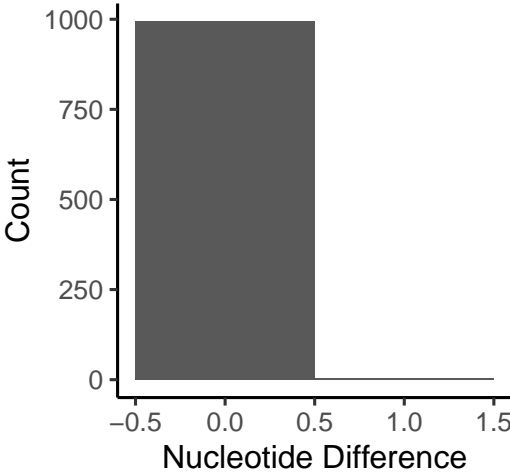
TRBV7–6*ap01

2054 sequences assigned
2041 (99.4%) exact matches, in which:
2017 unique CDR3
13 unique J



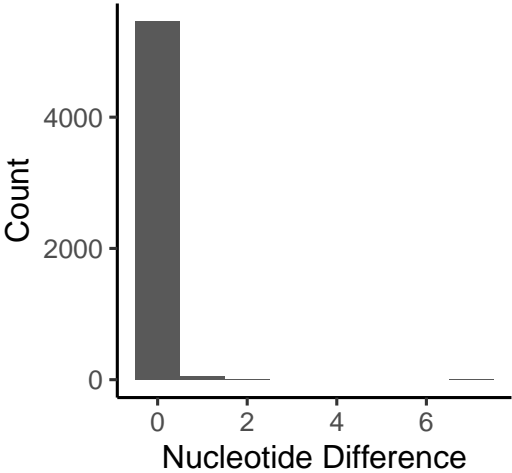
TRBV7-7*ap01_C315T

999 sequences assigned
994 (99.5%) exact matches, in which:
984 unique CDR3
13 unique J



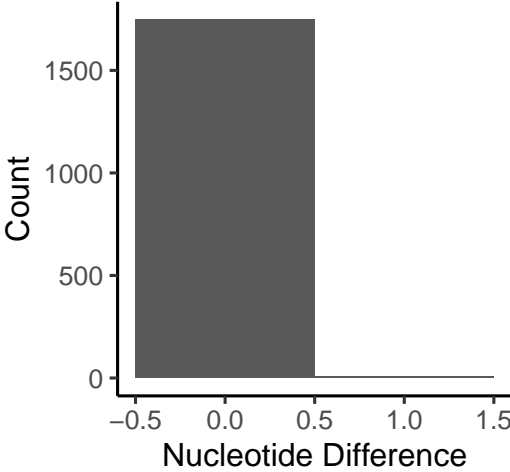
TRBV7-9*ap01

5520 sequences assigned
5459 (98.9%) exact matches, in which:
5435 unique CDR3
13 unique J



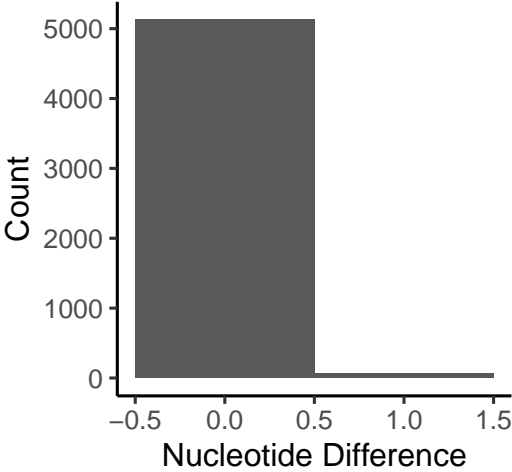
TRBV7-8*ap01

1753 sequences assigned
1747 (99.7%) exact matches, in which:
1738 unique CDR3
13 unique J



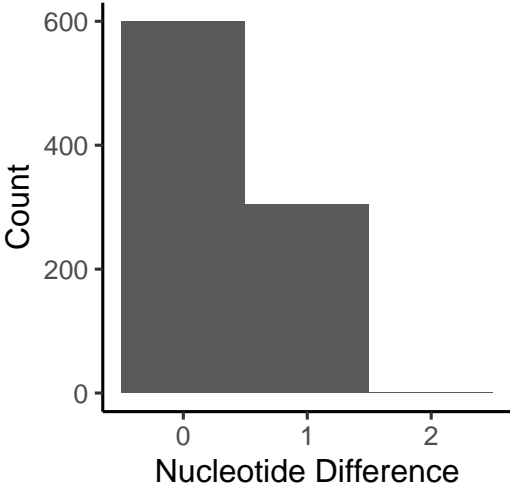
TRBV29-1*ap01

5199 sequences assigned
5128 (98.6%) exact matches, in which:
5032 unique CDR3
13 unique J



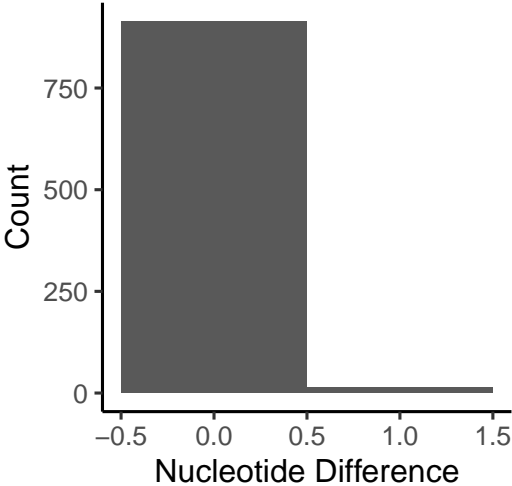
TRBV7-8*ap03

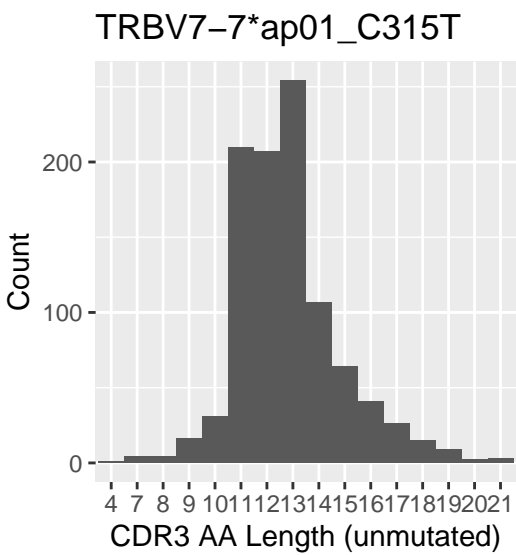
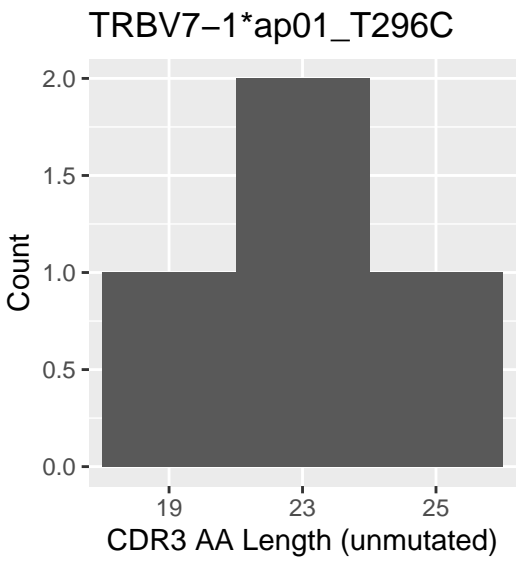
906 sequences assigned
600 (66.2%) exact matches, in which:
597 unique CDR3
13 unique J



TRBV29-1*ap02

927 sequences assigned
914 (98.6%) exact matches, in which:
900 unique CDR3
13 unique J







[illegible]