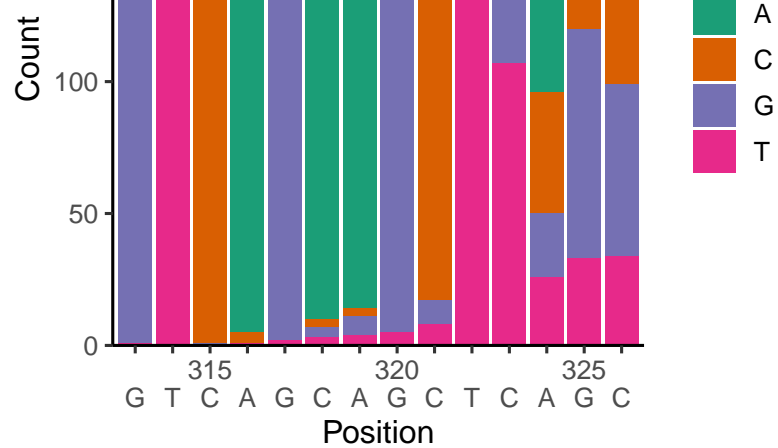
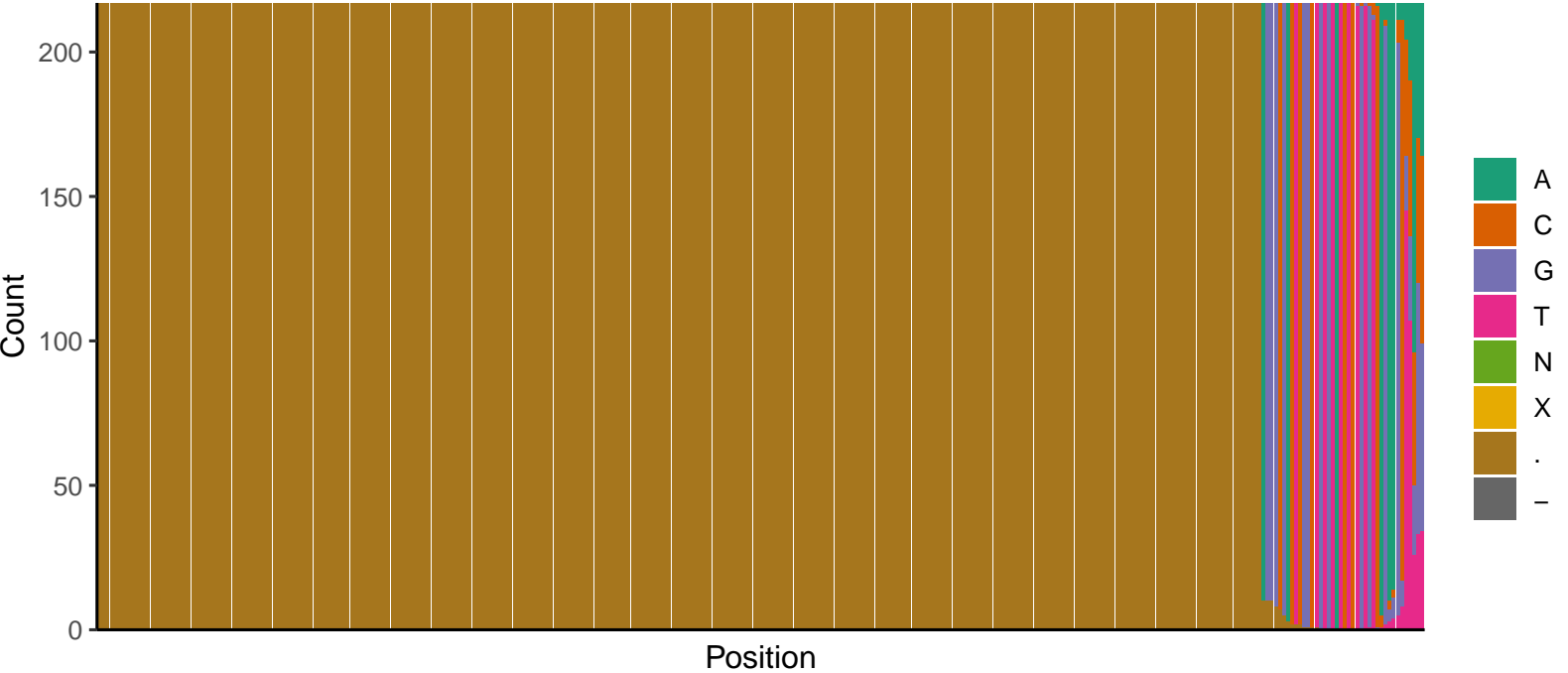


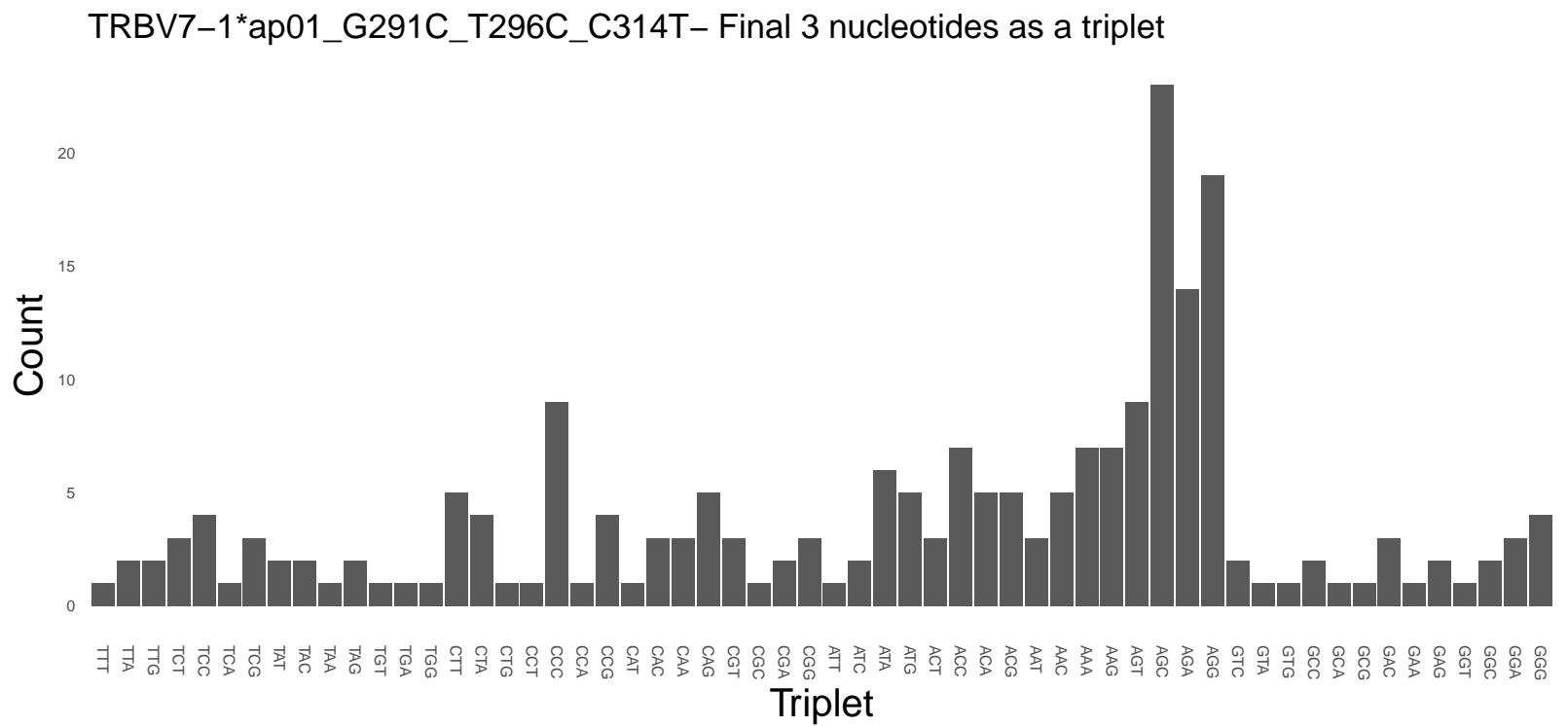
315 320 325
G T C A G C A G C T C A G C
Position



Gene TRBV7-1*ap01_G291C_T296C_C314T

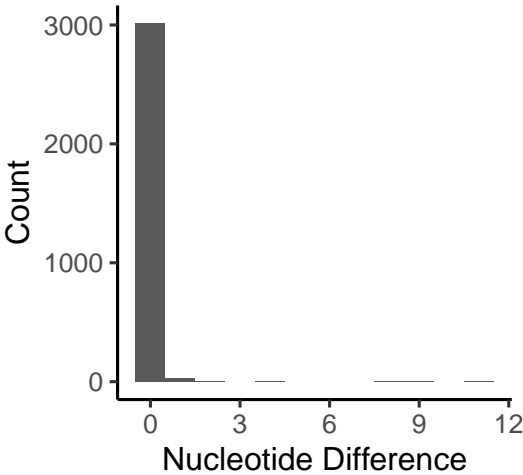


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



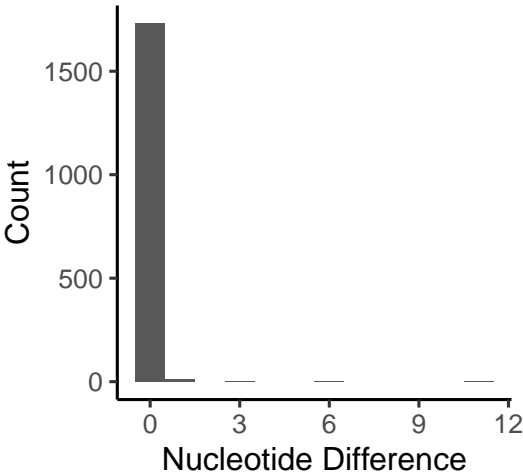
TRBV10-1*ap01

3051 sequences assigned
3013 (98.8%) exact matches, in which:
2989 unique CDR3
14 unique J



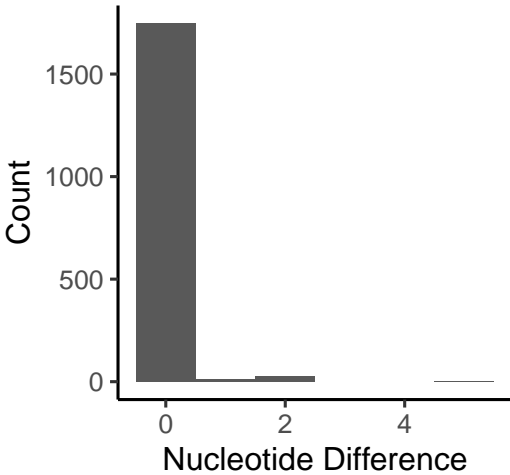
TRBV10-2*ap01

1747 sequences assigned
1731 (99.1%) exact matches, in which:
1719 unique CDR3
14 unique J



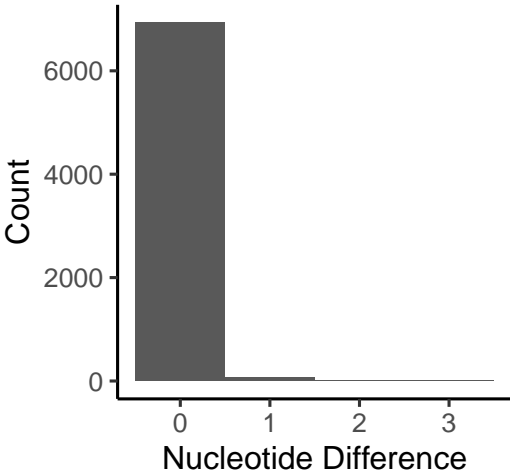
TRBV13*ap01

1787 sequences assigned
1747 (97.8%) exact matches, in which:
1723 unique CDR3
14 unique J



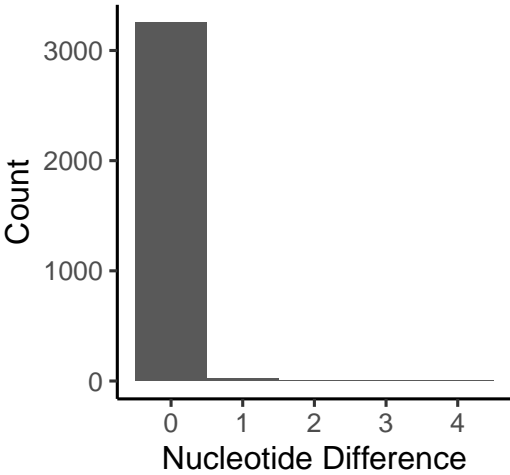
TRBV20-1*ap01

6991 sequences assigned
6930 (99.1%) exact matches, in which:
6889 unique CDR3
14 unique J



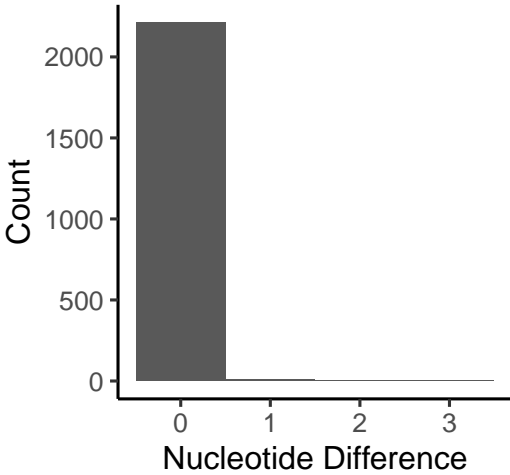
TRBV10-3*ap01

3278 sequences assigned
3252 (99.2%) exact matches, in which:
3225 unique CDR3
14 unique J



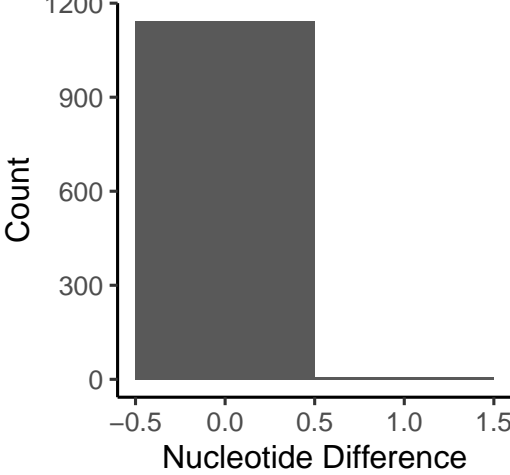
TRBV14*ap01

2225 sequences assigned
2211 (99.4%) exact matches, in which:
2204 unique CDR3
14 unique J



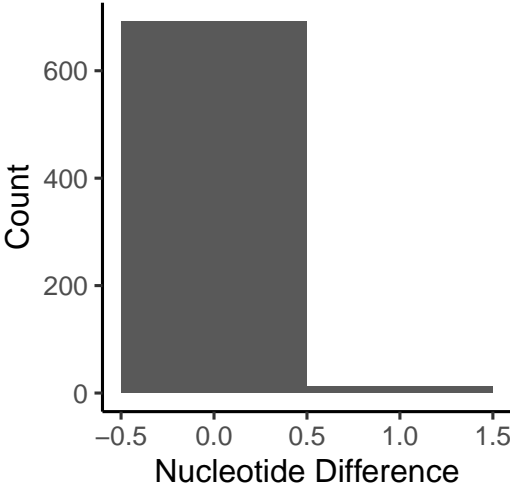
TRBV20-1*ap02

1151 sequences assigned
1143 (99.3%) exact matches, in which:
1138 unique CDR3
14 unique J



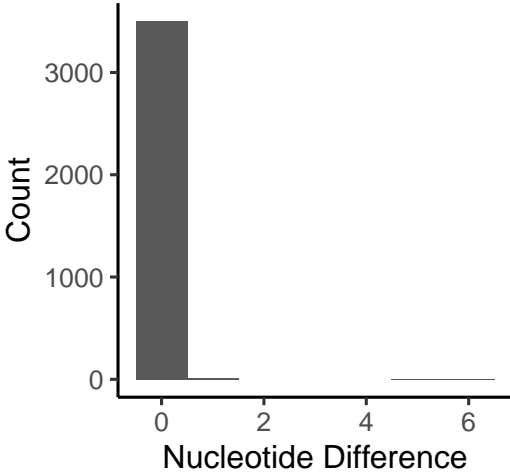
TRBV1*ap01

705 sequences assigned
692 (98.2%) exact matches, in which:
682 unique CDR3
14 unique J



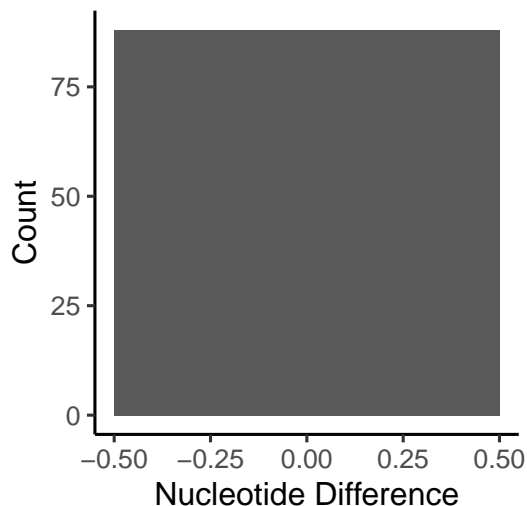
TRBV15*ap02

3519 sequences assigned
3503 (99.5%) exact matches, in which:
3475 unique CDR3
14 unique J



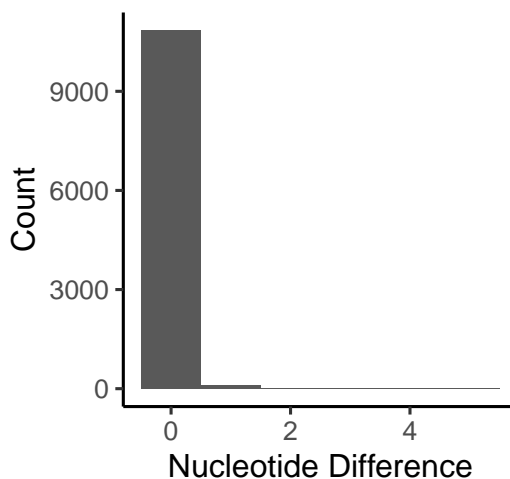
TRBV16*ap01

88 sequences assigned
88 (100%) exact matches, in which:
88 unique CDR3
13 unique J



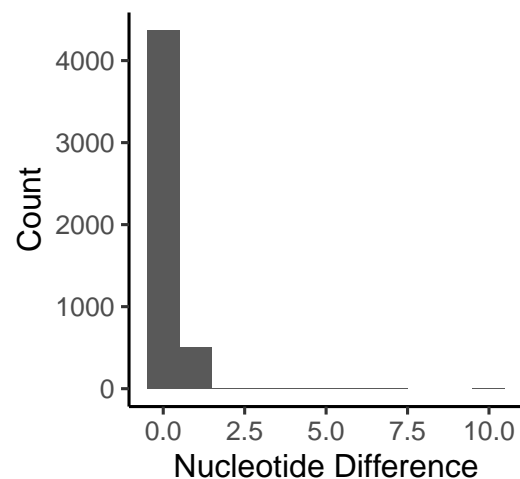
TRBV2*ap01

10961 sequences assigned
10843 (98.9%) exact matches, in which:
10728 unique CDR3
14 unique J



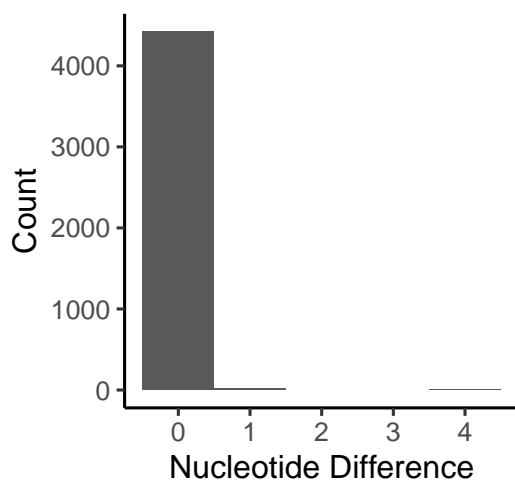
TRBV30*ap01

4897 sequences assigned
4368 (89.2%) exact matches, in which:
4246 unique CDR3
14 unique J



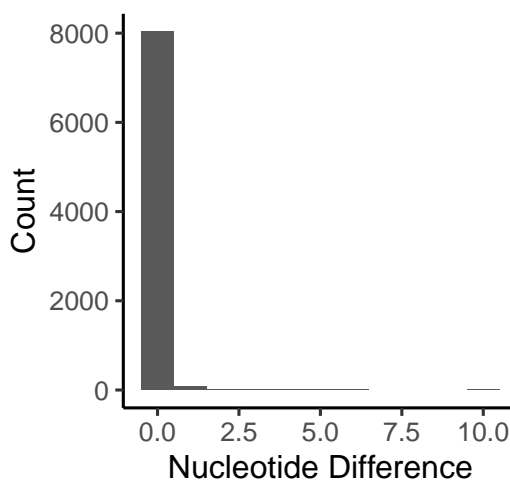
TRBV18*ap01

4441 sequences assigned
4421 (99.5%) exact matches, in which:
4413 unique CDR3
14 unique J



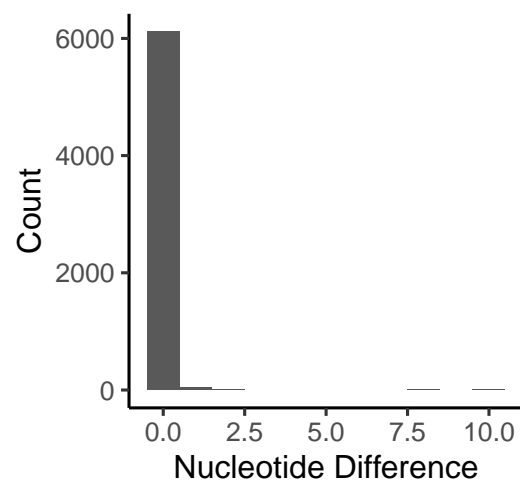
TRBV27*ap01

8115 sequences assigned
8032 (99%) exact matches, in which:
7957 unique CDR3
14 unique J



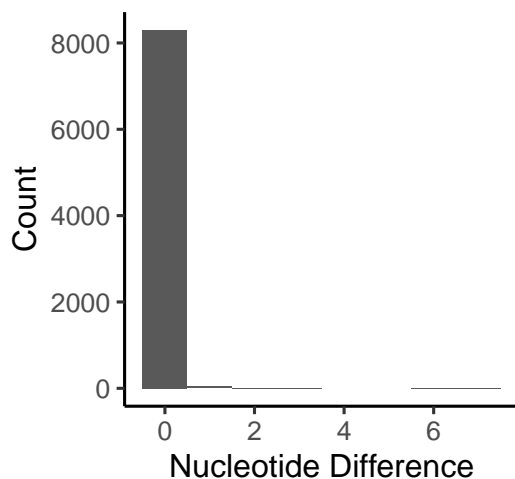
TRBV9*ap01

6165 sequences assigned
6114 (99.2%) exact matches, in which:
6087 unique CDR3
14 unique J



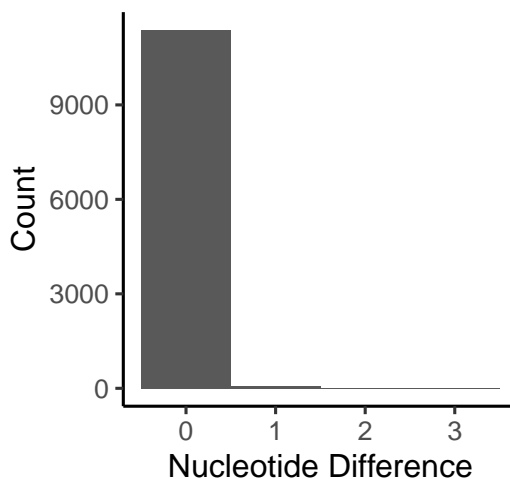
TRBV19*ap01

8349 sequences assigned
8299 (99.4%) exact matches, in which:
8274 unique CDR3
14 unique J



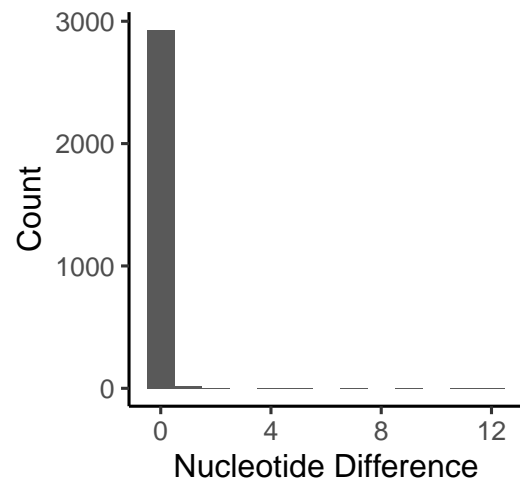
TRBV28*ap01

11451 sequences assigned
11377 (99.4%) exact matches, in which:
11323 unique CDR3
14 unique J



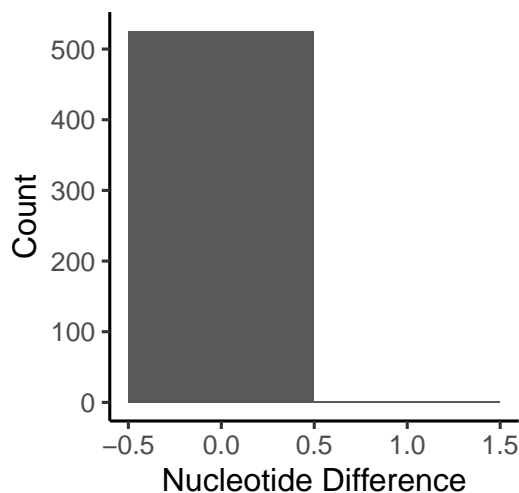
TRBV21-1*ap01

2967 sequences assigned
2928 (98.7%) exact matches, in which:
2917 unique CDR3
14 unique J



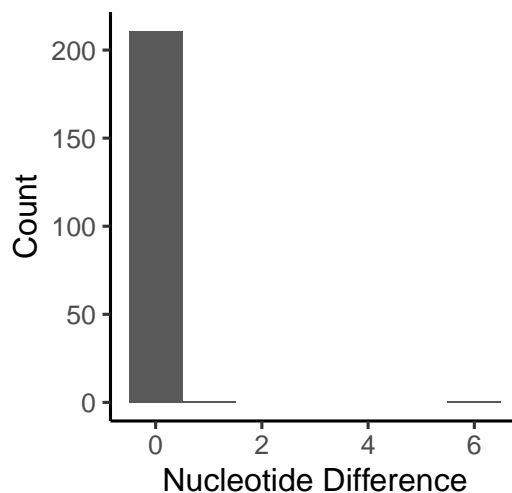
TRBV11-1*ap01

528 sequences assigned
526 (99.6%) exact matches, in which:
523 unique CDR3
14 unique J



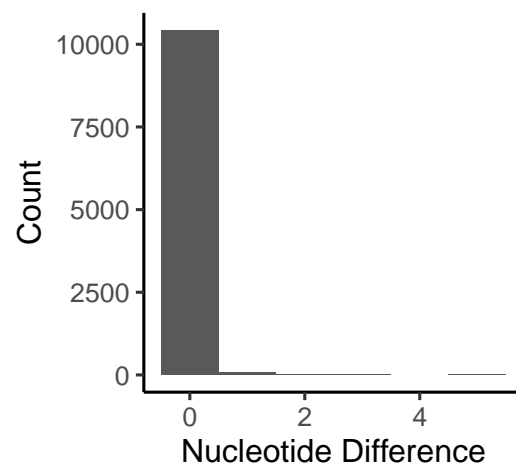
TRBV12-1*ap01

213 sequences assigned
211 (99.1%) exact matches, in which:
210 unique CDR3
14 unique J



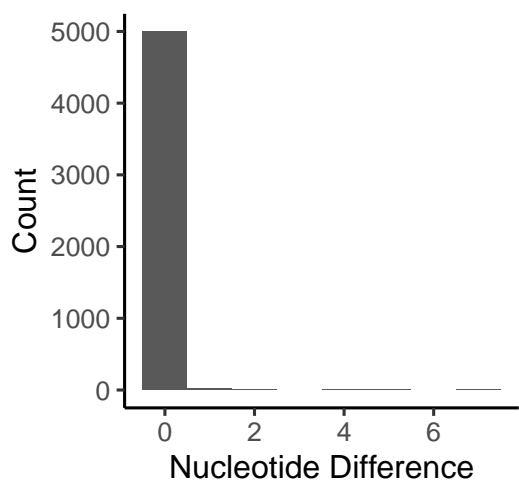
TRBV12-34*ap01

10517 sequences assigned
10428 (99.2%) exact matches, in which:
10362 unique CDR3
14 unique J



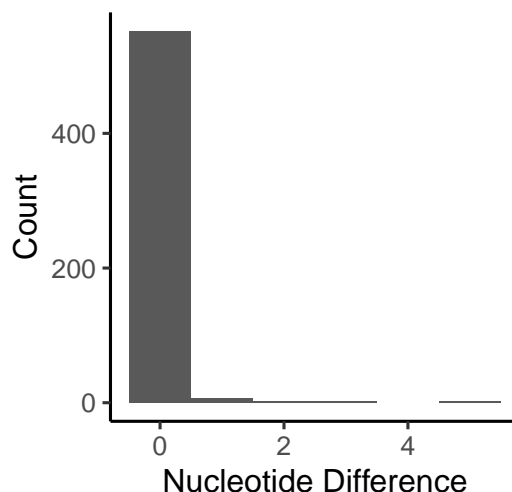
TRBV11-2*ap01

5029 sequences assigned
4996 (99.3%) exact matches, in which:
4978 unique CDR3
14 unique J



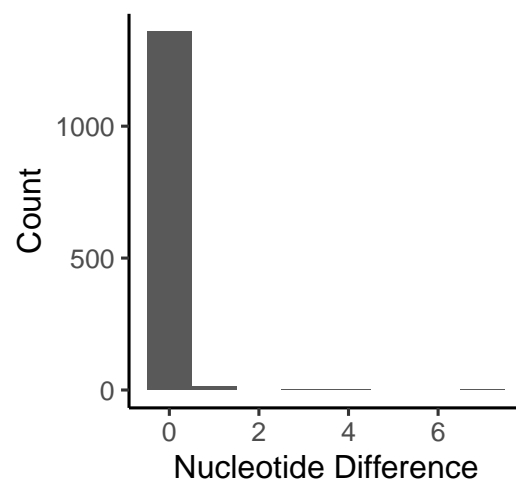
TRBV12-2*ap01

565 sequences assigned
552 (97.7%) exact matches, in which:
546 unique CDR3
14 unique J



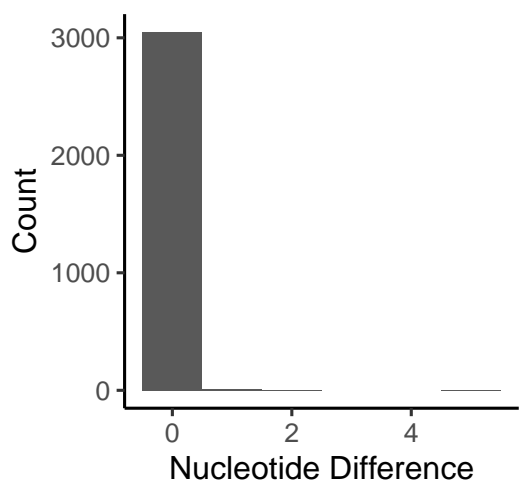
TRBV23-1*ap01

1373 sequences assigned
1358 (98.9%) exact matches, in which:
1350 unique CDR3
14 unique J



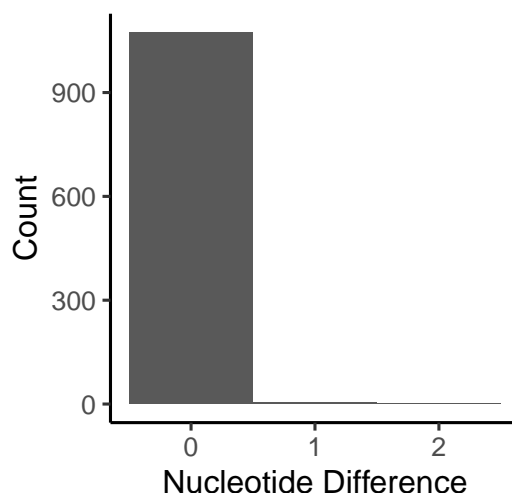
TRBV11-3*ap01

3064 sequences assigned
3049 (99.5%) exact matches, in which:
3043 unique CDR3
14 unique J



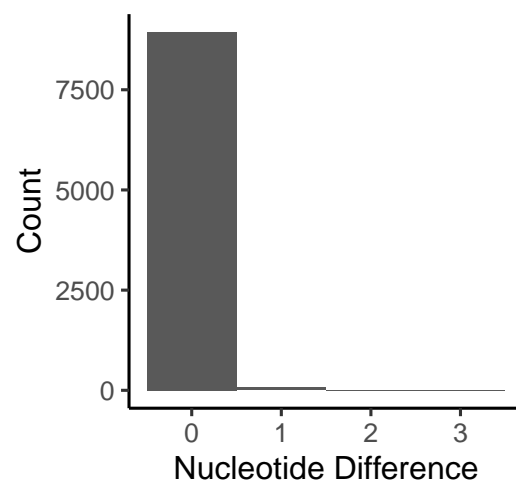
TRBV12-5*ap01

1079 sequences assigned
1074 (99.5%) exact matches, in which:
1066 unique CDR3
14 unique J



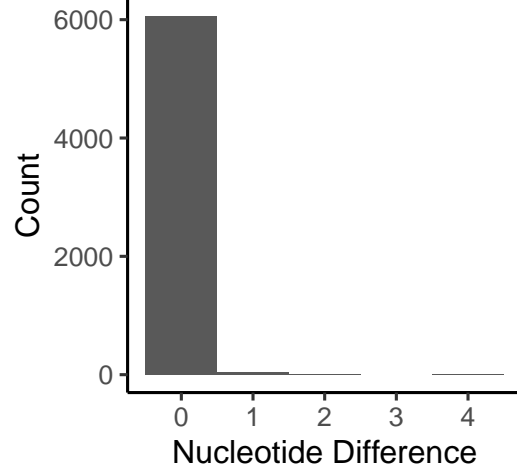
TRBV3-12*ap01

9020 sequences assigned
8940 (99.1%) exact matches, in which:
8869 unique CDR3
14 unique J



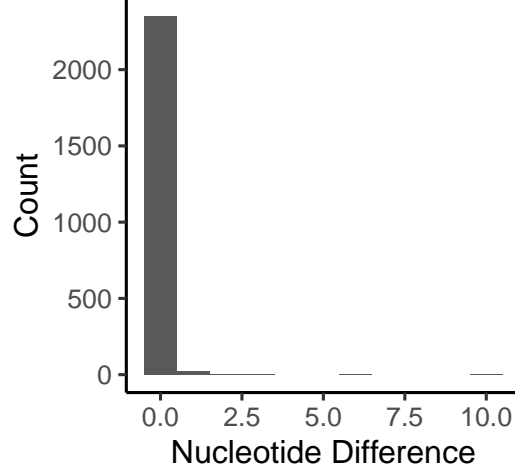
TRBV4-1*ap01

6099 sequences assigned
6055 (99.3%) exact matches, in which:
5993 unique CDR3
14 unique J



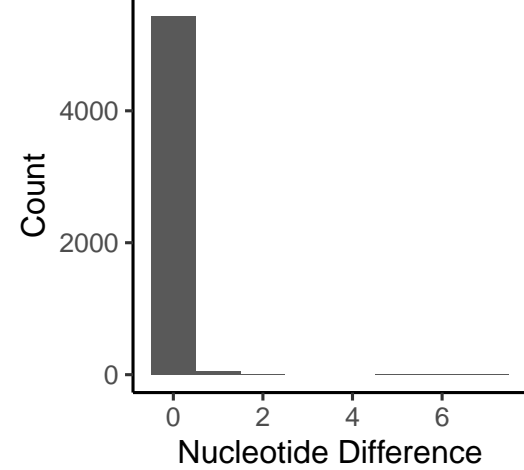
TRBV25-1*ap01

2383 sequences assigned
2349 (98.6%) exact matches, in which:
2304 unique CDR3
14 unique J



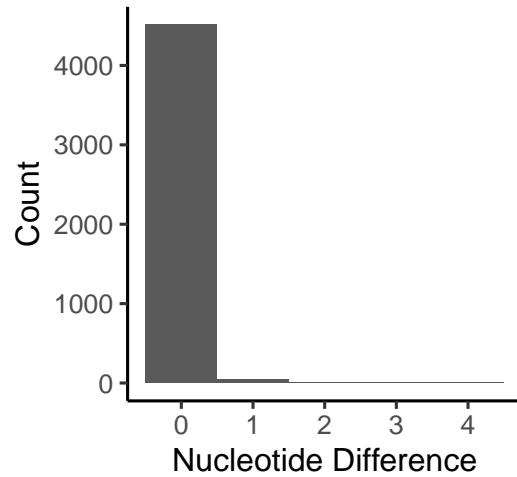
TRBV5-4*ap01

5490 sequences assigned
5431 (98.9%) exact matches, in which:
5381 unique CDR3
14 unique J



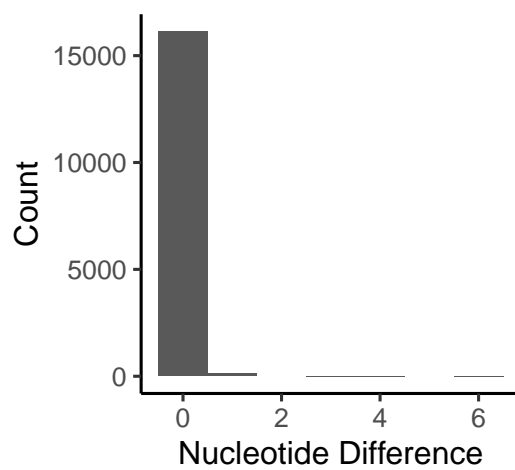
TRBV24-1*ap01

4563 sequences assigned
4513 (98.9%) exact matches, in which:
4463 unique CDR3
14 unique J



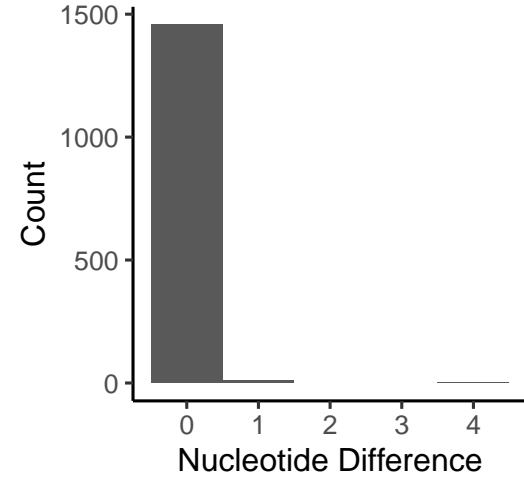
TRBV5-1*ap01

16266 sequences assigned
16130 (99.2%) exact matches, in which:
15932 unique CDR3
14 unique J



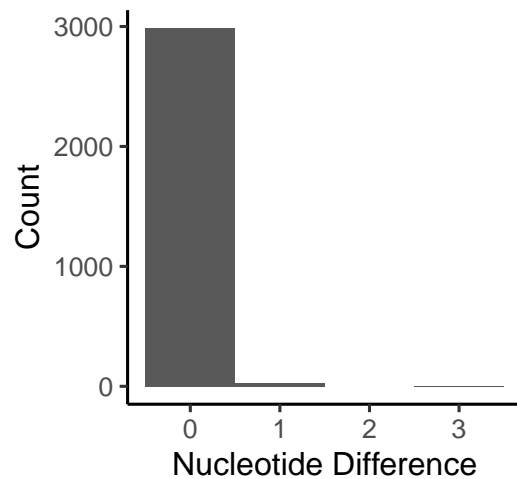
TRBV5-5*ap01

1468 sequences assigned
1457 (99.3%) exact matches, in which:
1454 unique CDR3
14 unique J



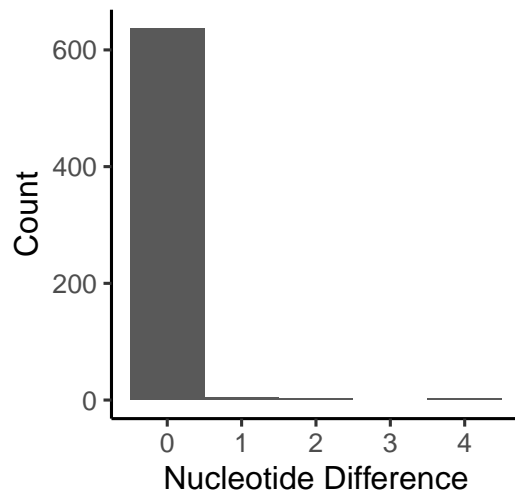
TRBV4-2*ap01

3017 sequences assigned
2987 (99%) exact matches, in which:
2963 unique CDR3
14 unique J



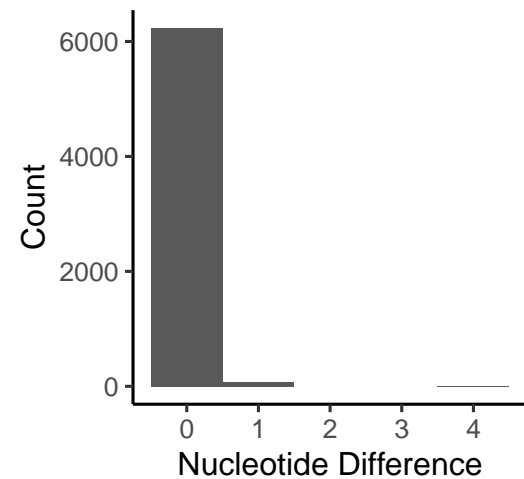
TRBV5-3*ap01

646 sequences assigned
637 (98.6%) exact matches, in which:
635 unique CDR3
14 unique J



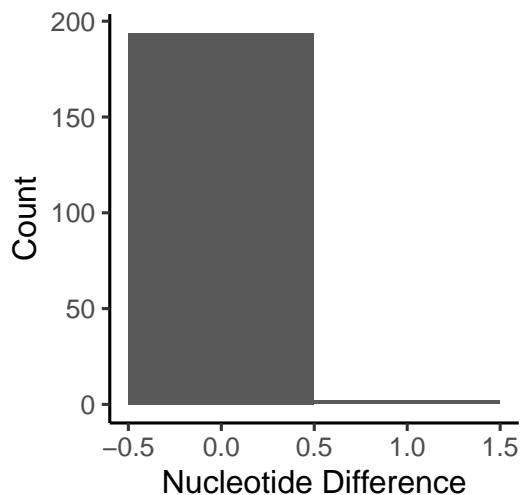
TRBV5-6*ap01

6307 sequences assigned
6234 (98.8%) exact matches, in which:
6123 unique CDR3
14 unique J



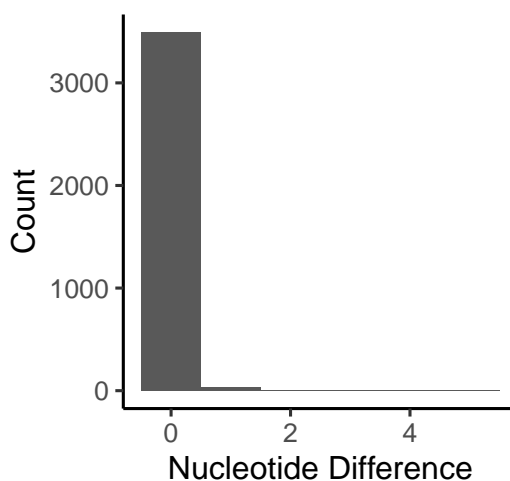
TRBV5-7*ap01

196 sequences assigned
194 (99%) exact matches, in which:
192 unique CDR3
14 unique J



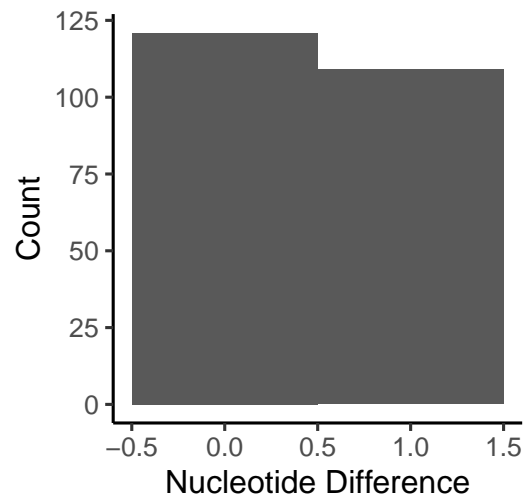
TRBV6-4*ap01

3534 sequences assigned
3492 (98.8%) exact matches, in which:
3476 unique CDR3
14 unique J



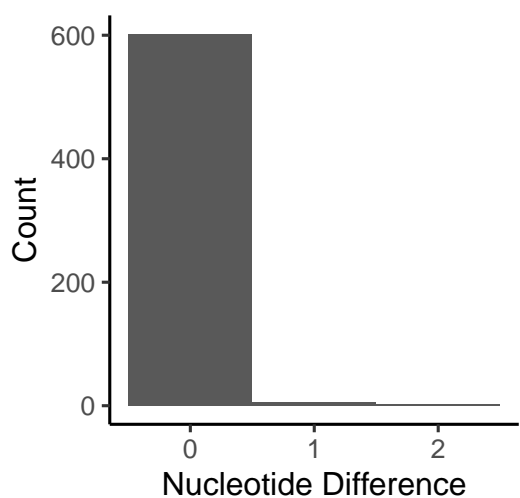
TRBV6-9*ap01

230 sequences assigned
121 (52.6%) exact matches, in which:
120 unique CDR3
13 unique J



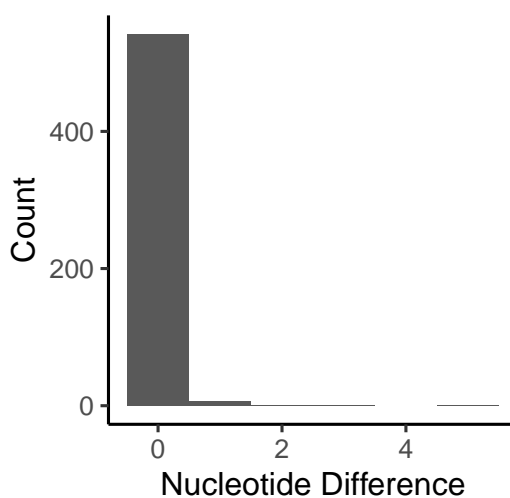
TRBV5-8*ap01

610 sequences assigned
602 (98.7%) exact matches, in which:
600 unique CDR3
13 unique J



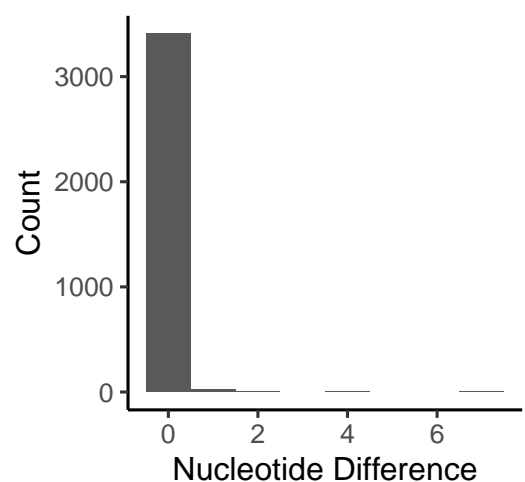
TRBV6-7*ap01

552 sequences assigned
542 (98.2%) exact matches, in which:
538 unique CDR3
14 unique J



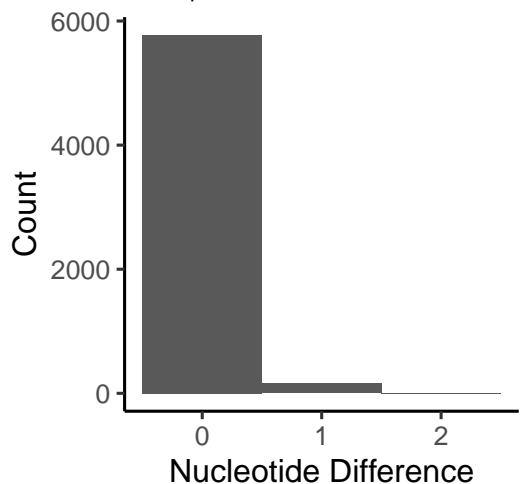
TRBV6-23*ap01

3433 sequences assigned
3408 (99.3%) exact matches, in which:
3361 unique CDR3
14 unique J



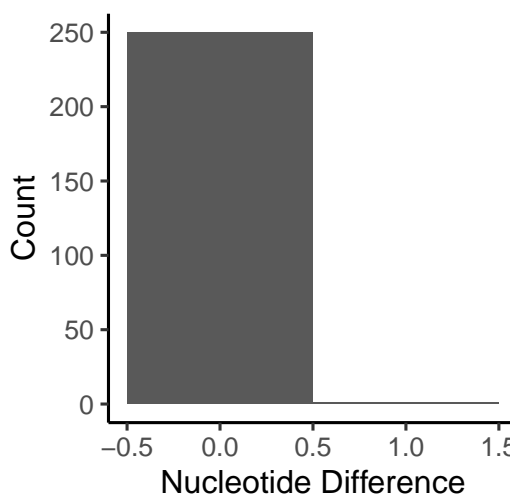
TRBV6-1*ap01

5933 sequences assigned
5774 (97.3%) exact matches, in which:
5684 unique CDR3
14 unique J



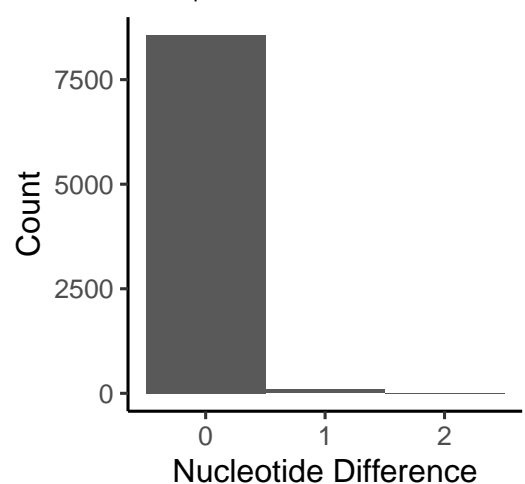
TRBV6-8*ap01

251 sequences assigned
250 (99.6%) exact matches, in which:
242 unique CDR3
14 unique J



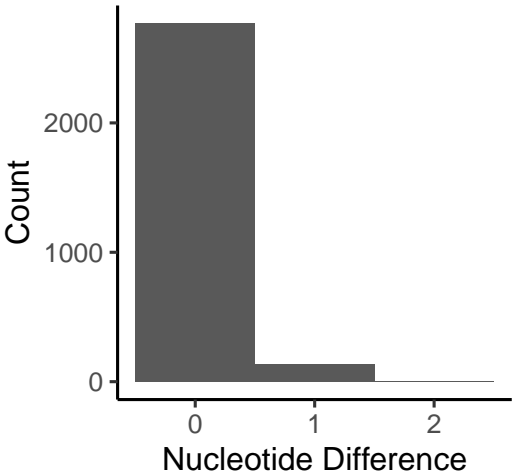
TRBV6-56*ap01

8662 sequences assigned
8566 (98.9%) exact matches, in which:
8440 unique CDR3
14 unique J



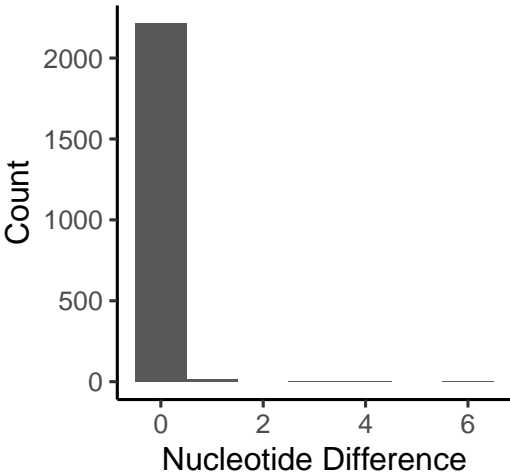
TRBV6-56*ap02

2904 sequences assigned
2769 (95.4%) exact matches, in which:
2739 unique CDR3
14 unique J



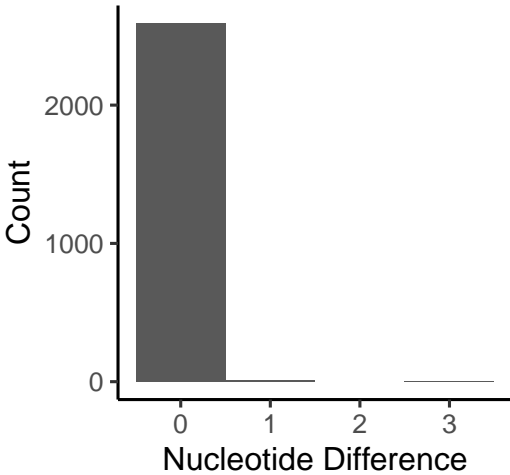
TRBV7-3*ap01

2235 sequences assigned
2214 (99.1%) exact matches, in which:
2208 unique CDR3
14 unique J



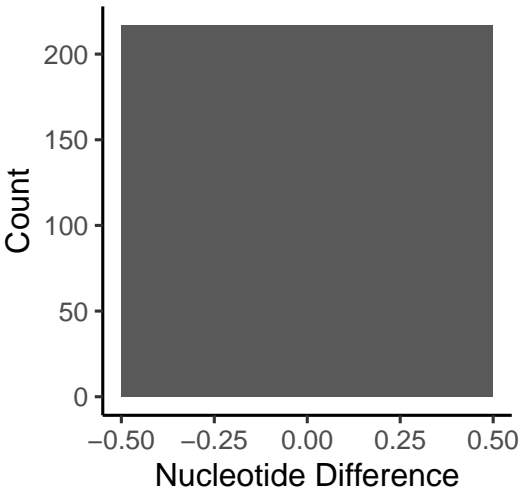
TRBV7-6*ap01

2603 sequences assigned
2591 (99.5%) exact matches, in which:
2570 unique CDR3
14 unique J



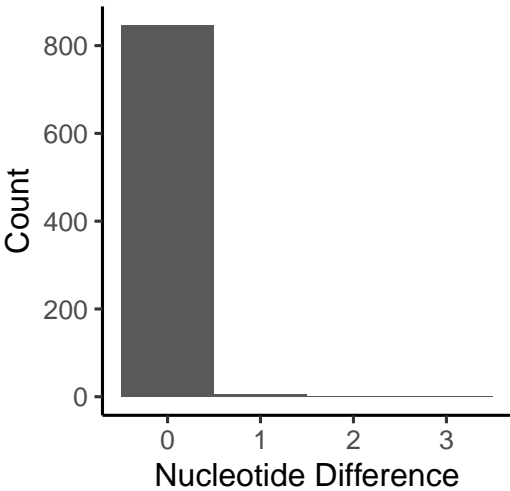
TRBV7-1*ap01_G291C_

217 sequences assigned
217 (100%) exact matches, in which:
215 unique CDR3
14 unique J



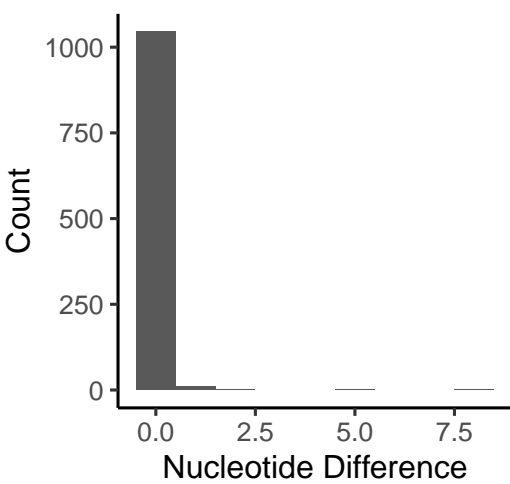
TRBV7-3*ap03

854 sequences assigned
847 (99.2%) exact matches, in which:
845 unique CDR3
13 unique J



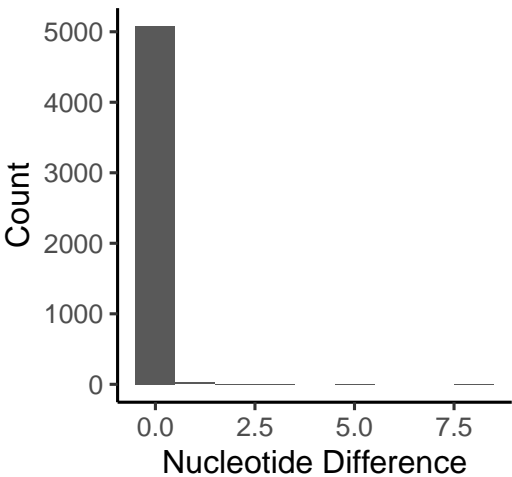
TRBV7-7*ap01

1057 sequences assigned
1045 (98.9%) exact matches, in which:
1039 unique CDR3
14 unique J



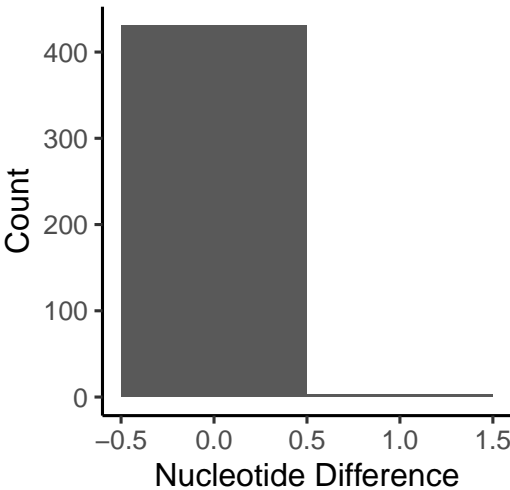
TRBV7-2*ap01

5112 sequences assigned
5081 (99.4%) exact matches, in which:
5052 unique CDR3
14 unique J



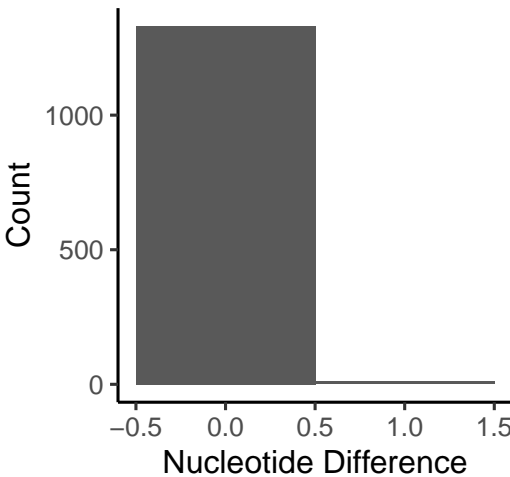
TRBV7-4*ap01

434 sequences assigned
431 (99.3%) exact matches, in which:
425 unique CDR3
14 unique J



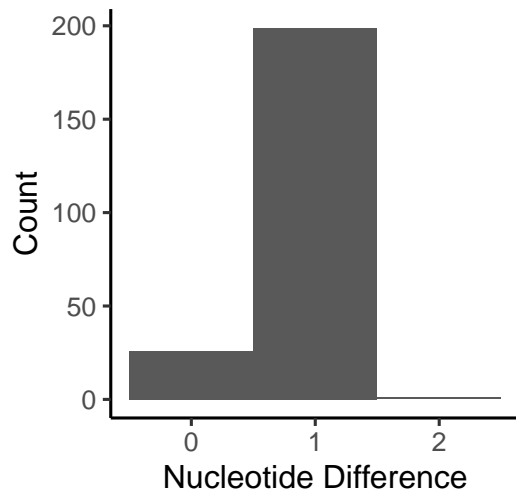
TRBV7-8*ap02

1342 sequences assigned
1331 (99.2%) exact matches, in which:
1326 unique CDR3
13 unique J



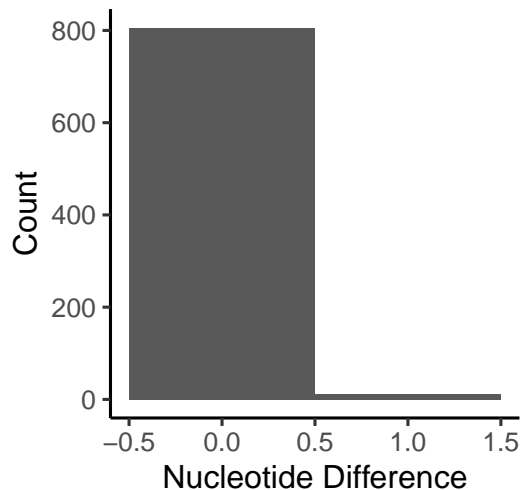
TRBV7–8*ap03

226 sequences assigned
26 (11.5%) exact matches, in which:
26 unique CDR3
9 unique J



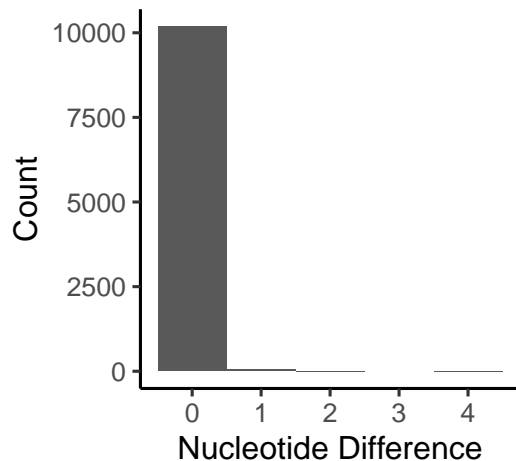
TRBV29–1*ap02

817 sequences assigned
806 (98.7%) exact matches, in which:
788 unique CDR3
14 unique J



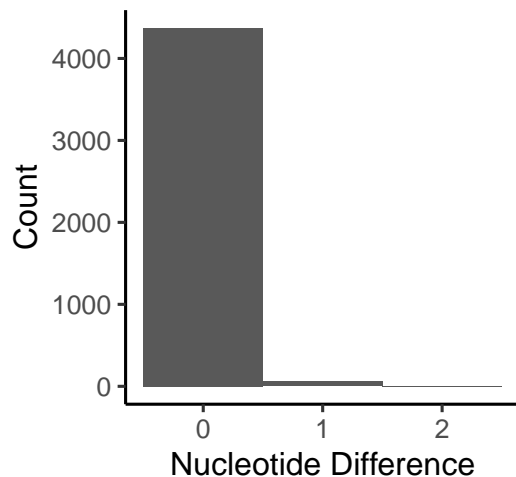
TRBV7–9*ap01

10241 sequences assigned
10186 (99.5%) exact matches, in which:
10138 unique CDR3
14 unique J

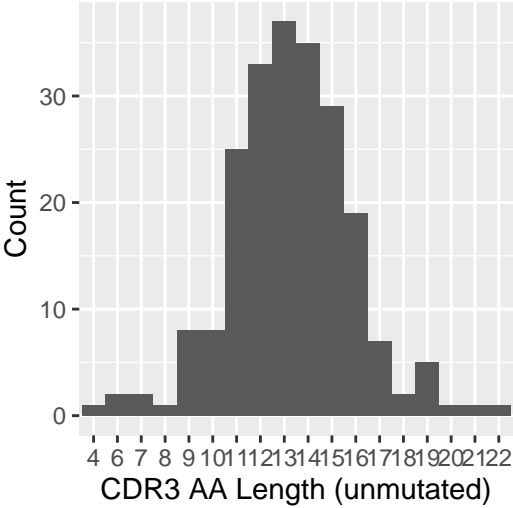


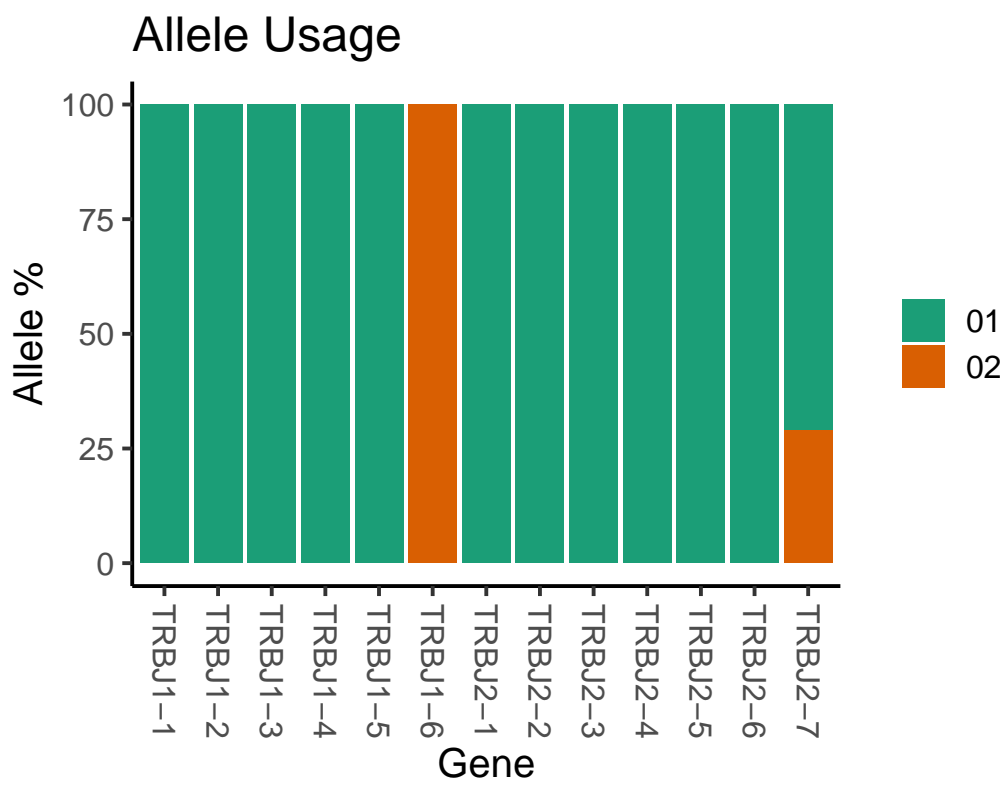
TRBV29–1*ap01

4429 sequences assigned
4371 (98.7%) exact matches, in which:
4296 unique CDR3
14 unique J



TRBV7-1*ap01_G291C_T296C_C314T





Sequence Count by TRBJ2–7 allele usage

