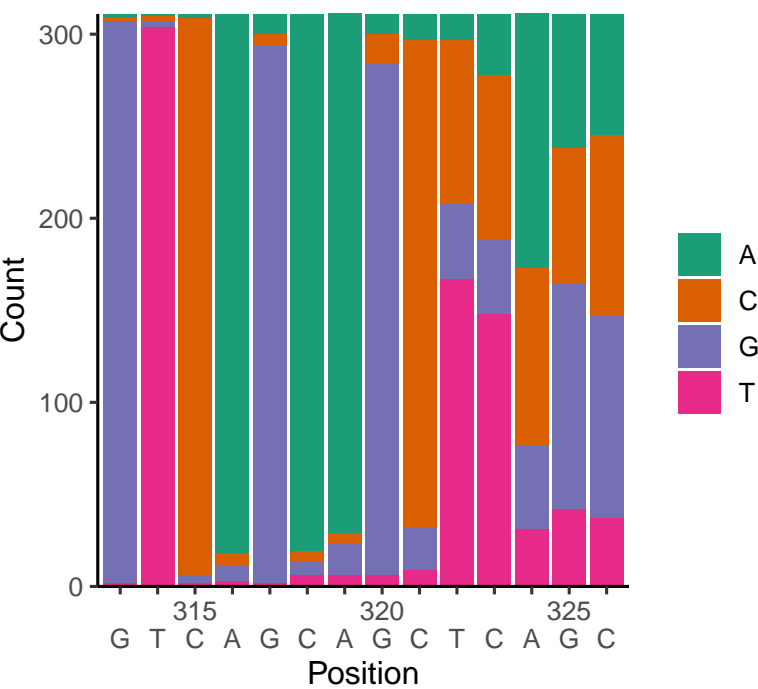
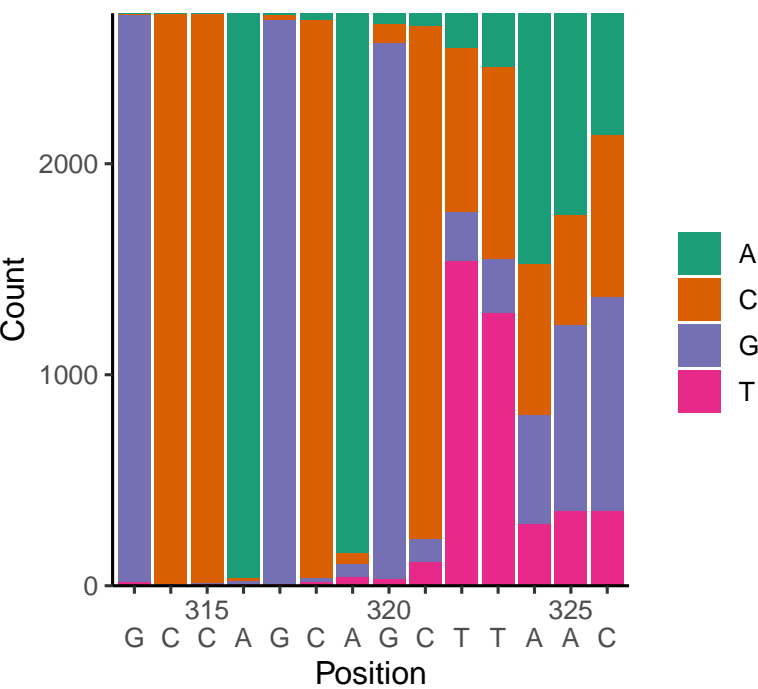


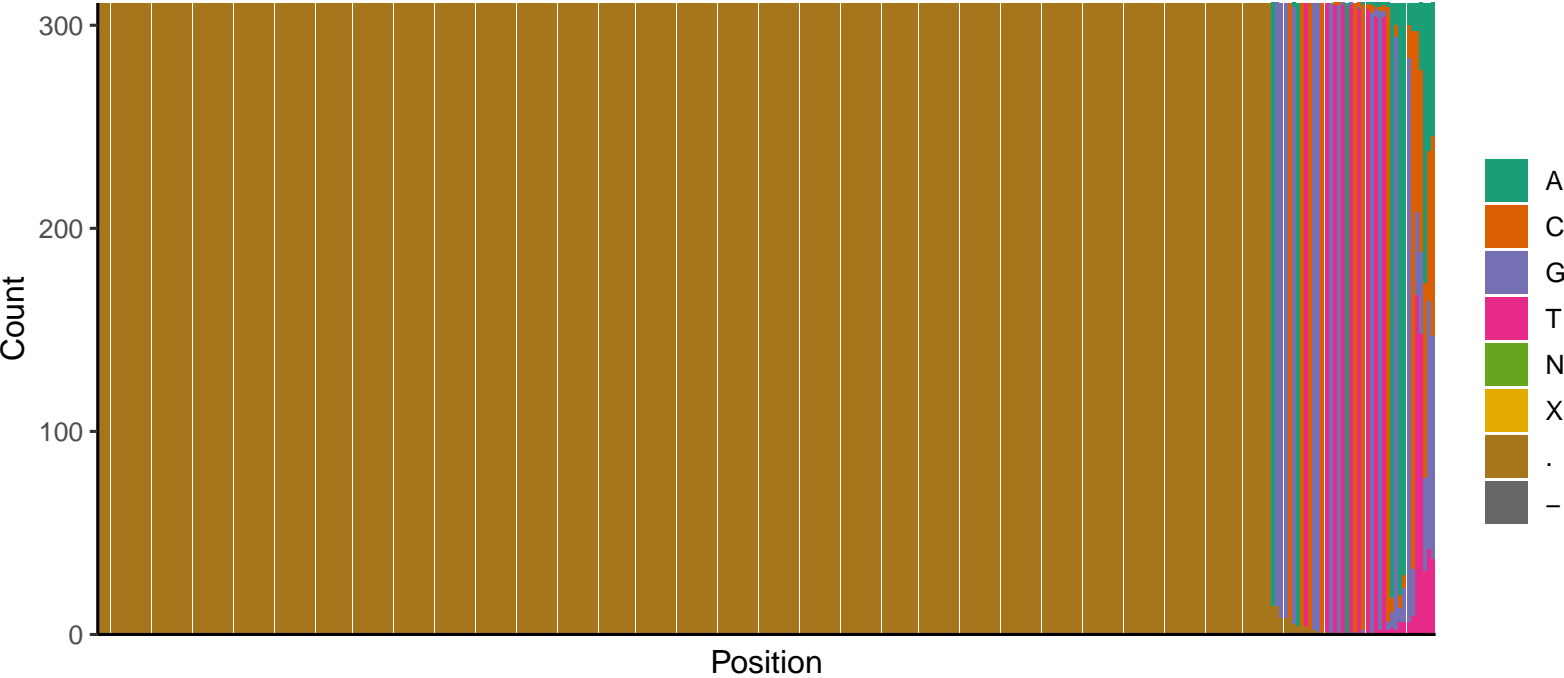
Gene TRBV7-1*ap01_T296C_C314T



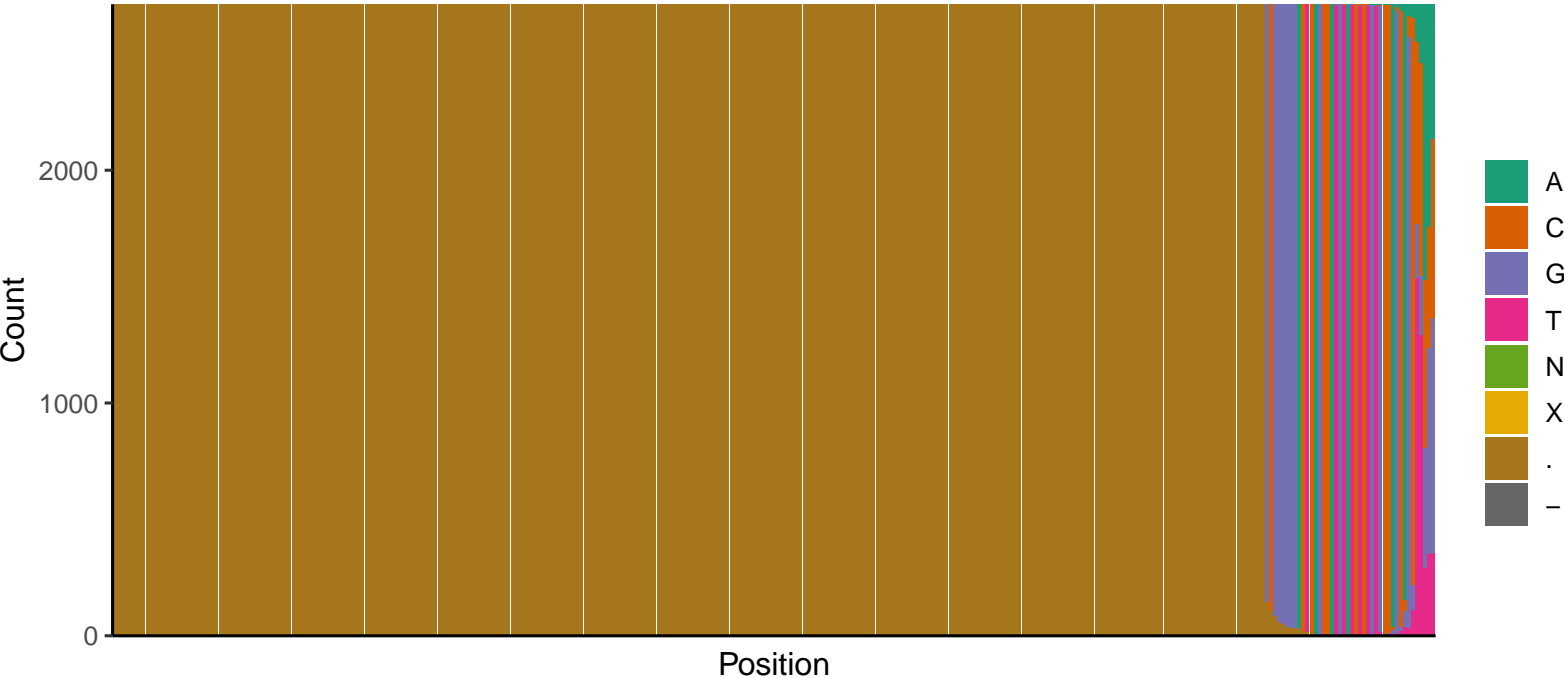
Gene TRBV7-3*ap01_G301A



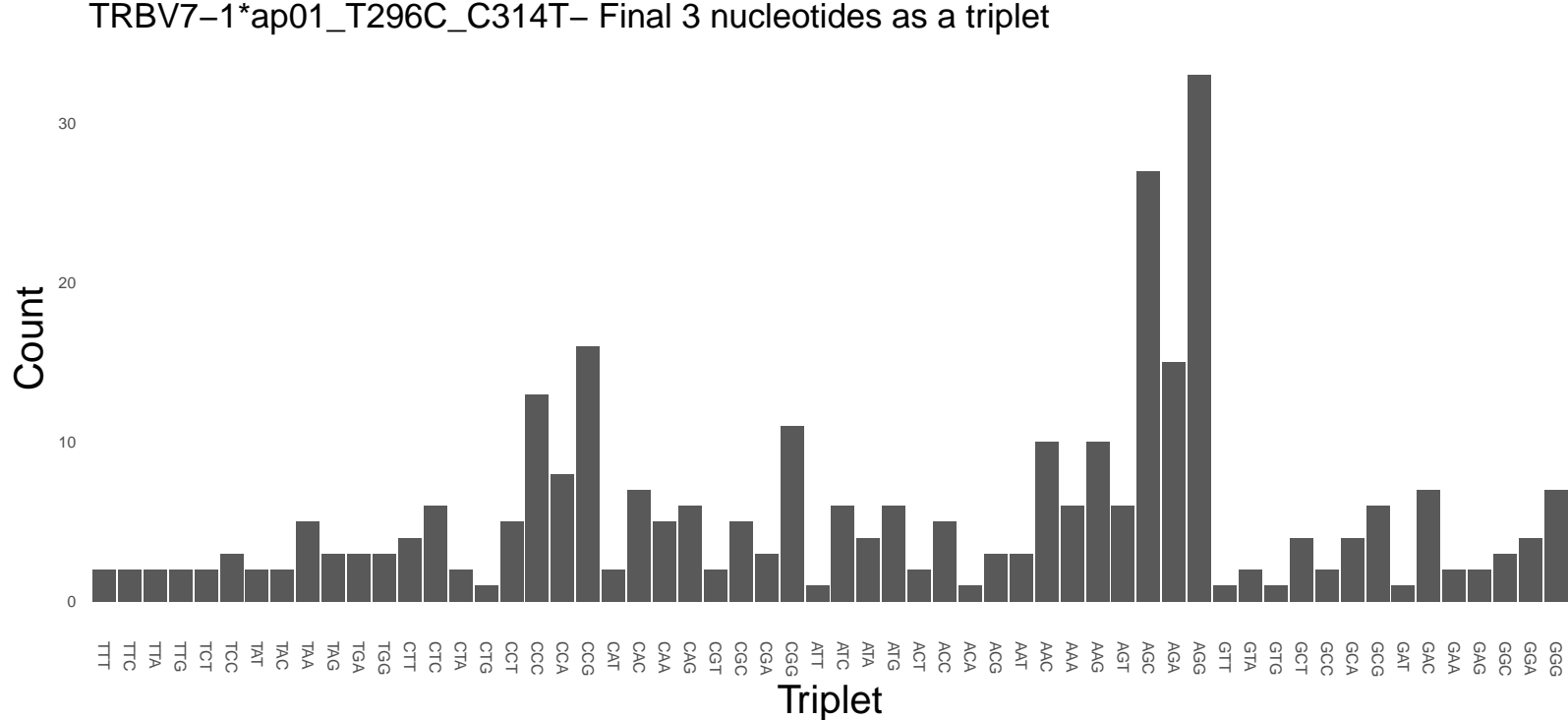
Gene TRBV7-1*ap01_T296C_C314T



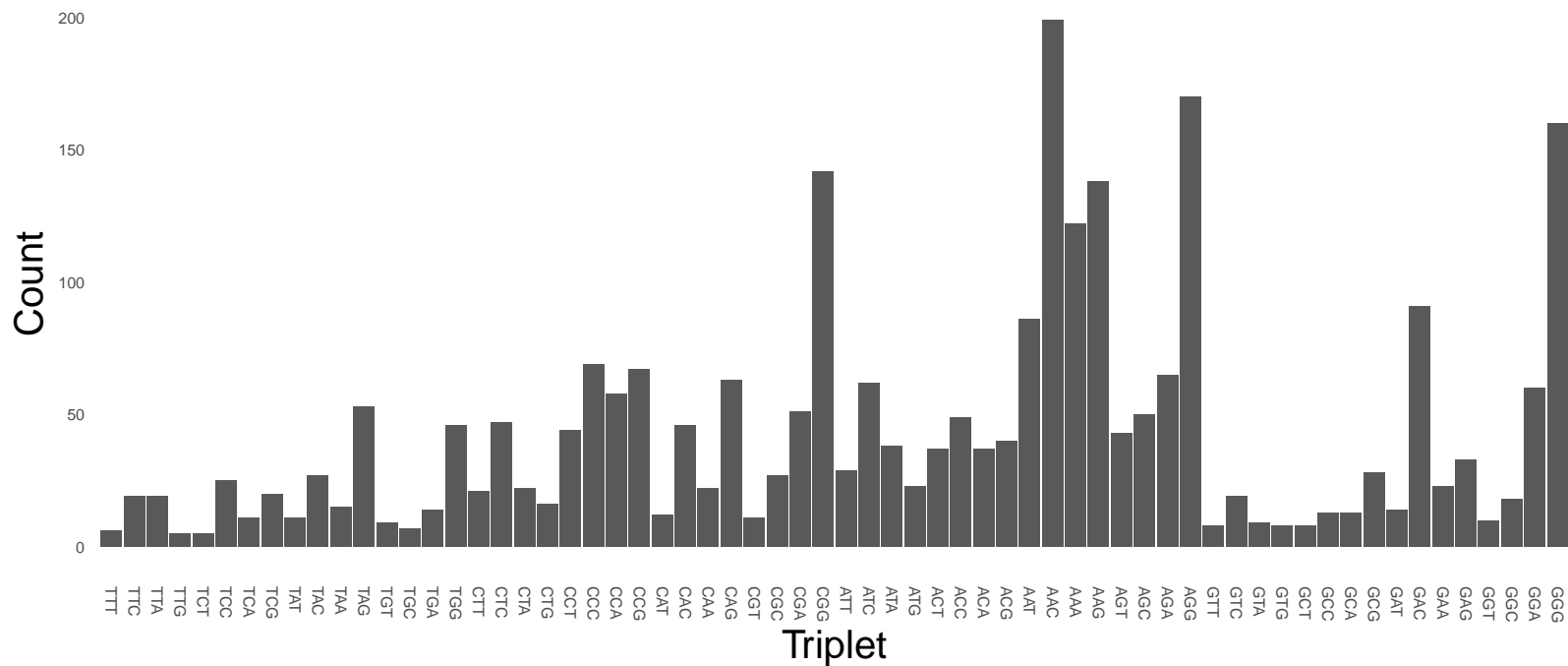
Gene TRBV7-3*ap01_G301A



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

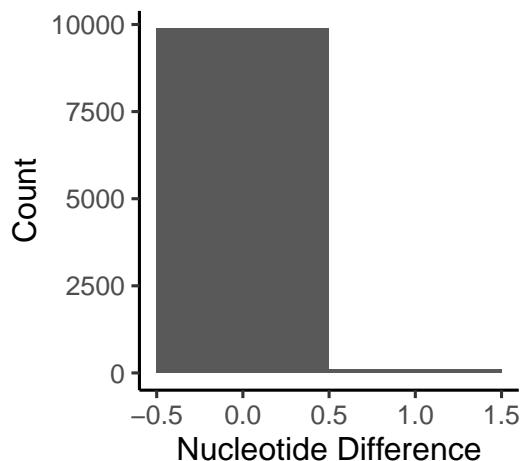


TRBV7-3*ap01_G301A- Final 3 nucleotides as a triplet



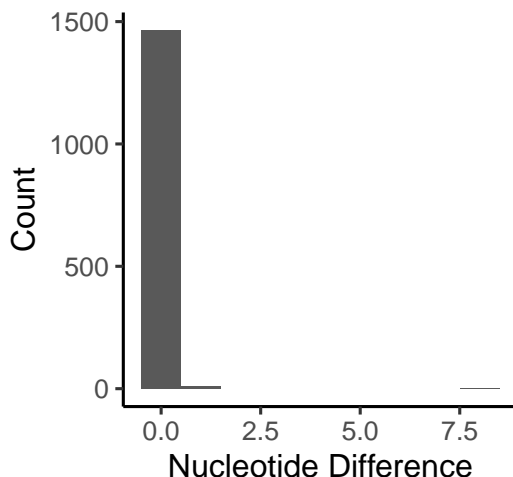
TRBV20-1*ap01

9984 sequences assigned
9895 (99.1%) exact matches, in which:
9712 unique CDR3
13 unique J



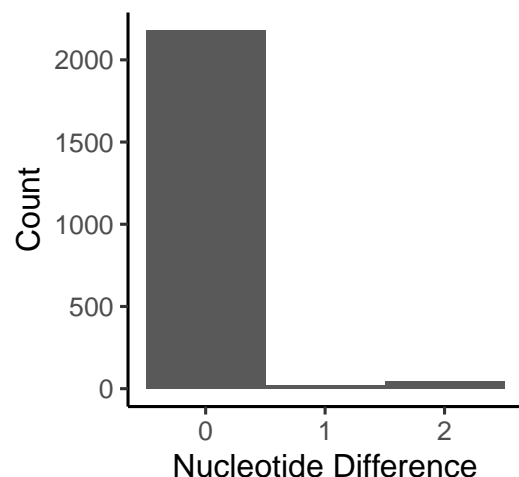
TRBV10-2*ap01

1474 sequences assigned
1464 (99.3%) exact matches, in which:
1437 unique CDR3
13 unique J



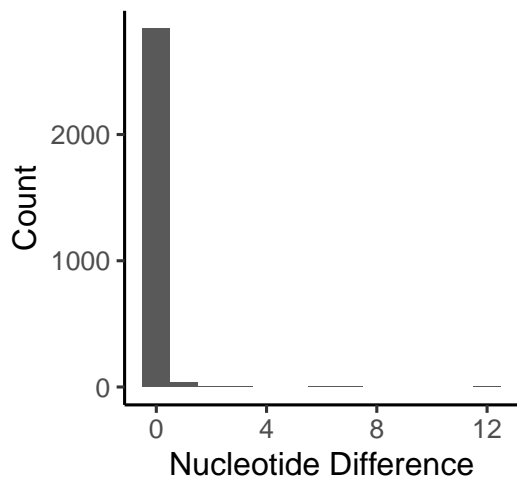
TRBV13*ap01

2246 sequences assigned
2179 (97%) exact matches, in which:
2121 unique CDR3
13 unique J



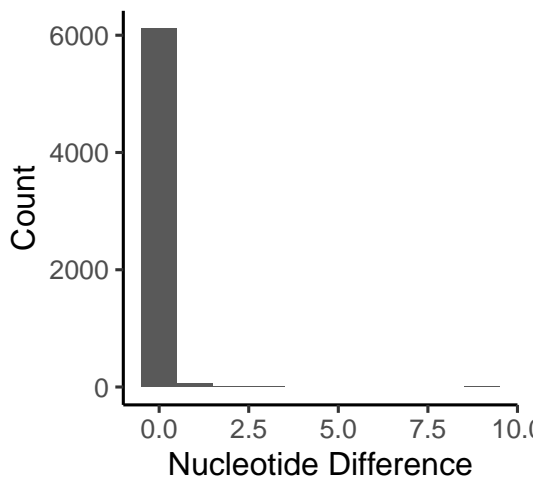
TRBV10-1*ap01

2878 sequences assigned
2838 (98.6%) exact matches, in which:
2758 unique CDR3
13 unique J



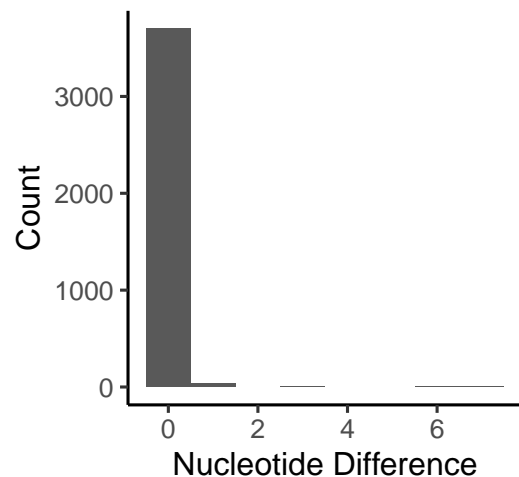
TRBV10-3*ap01

6177 sequences assigned
6111 (98.9%) exact matches, in which:
5944 unique CDR3
13 unique J



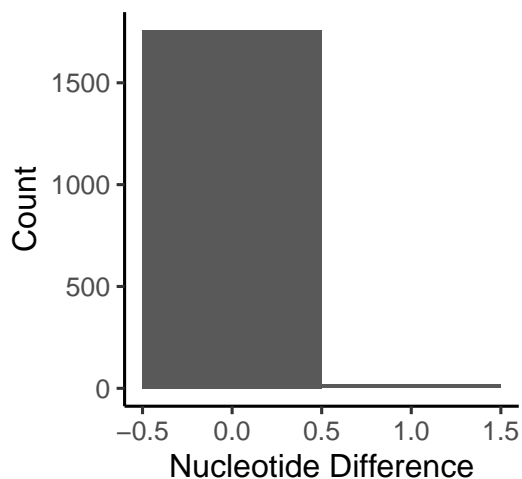
TRBV14*ap01

3738 sequences assigned
3699 (99%) exact matches, in which:
3633 unique CDR3
13 unique J



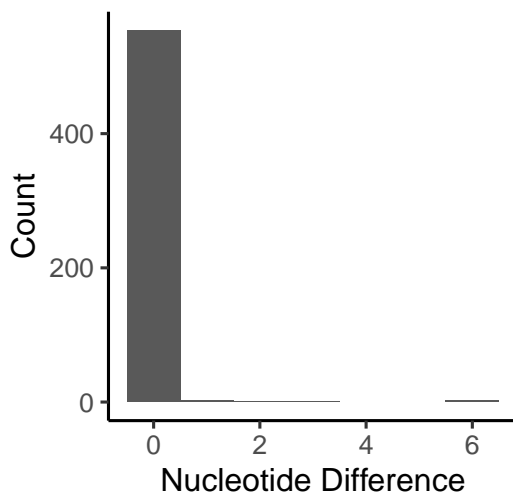
TRBV20-1*ap02

1777 sequences assigned
1759 (99%) exact matches, in which:
1730 unique CDR3
13 unique J



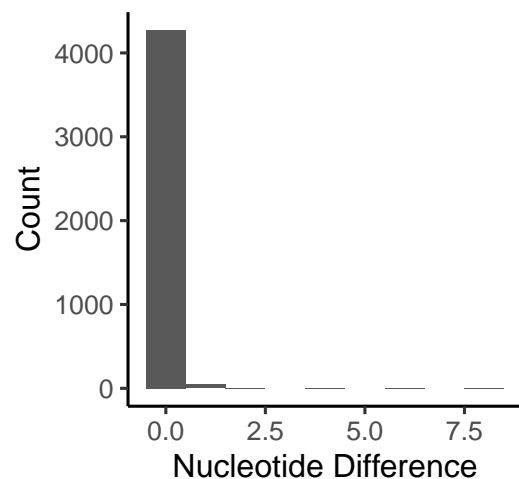
TRBV1*ap01

561 sequences assigned
554 (98.8%) exact matches, in which:
541 unique CDR3
13 unique J



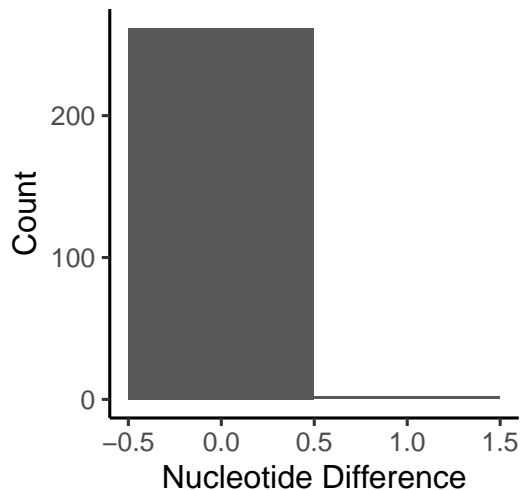
TRBV15*ap02

4323 sequences assigned
4273 (98.8%) exact matches, in which:
4184 unique CDR3
13 unique J



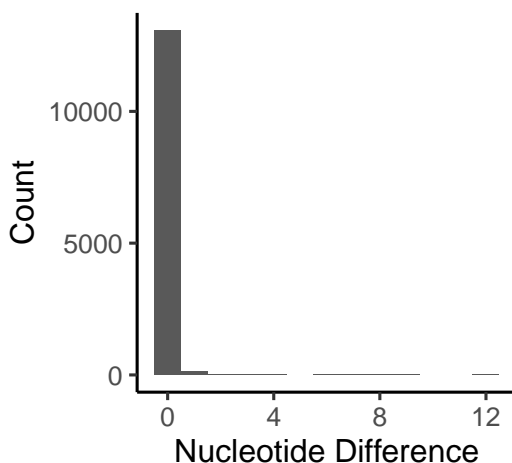
TRBV16*ap01

264 sequences assigned
262 (99.2%) exact matches, in which:
260 unique CDR3
13 unique J



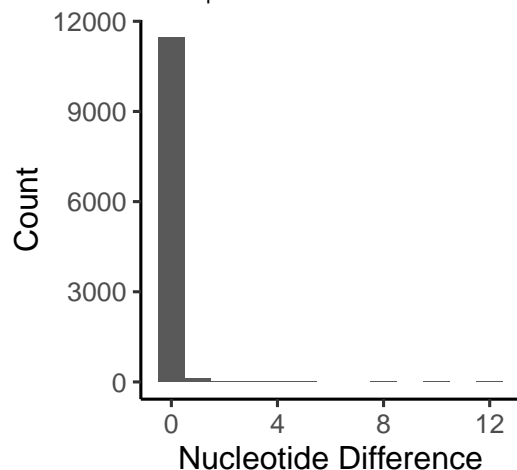
TRBV19*ap01

13239 sequences assigned
13082 (98.8%) exact matches, in which:
12893 unique CDR3
13 unique J



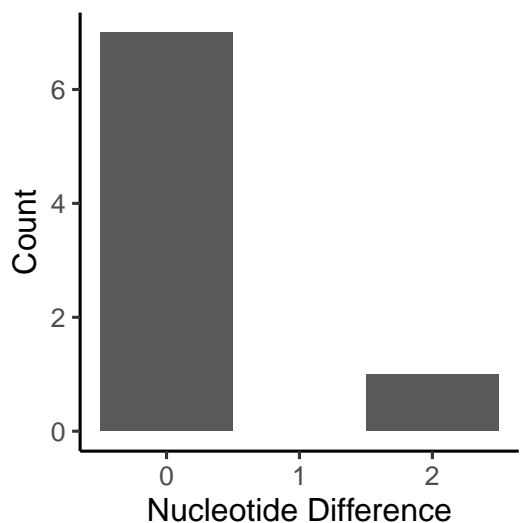
TRBV27*ap01

11607 sequences assigned
11472 (98.8%) exact matches, in which:
11147 unique CDR3
14 unique J



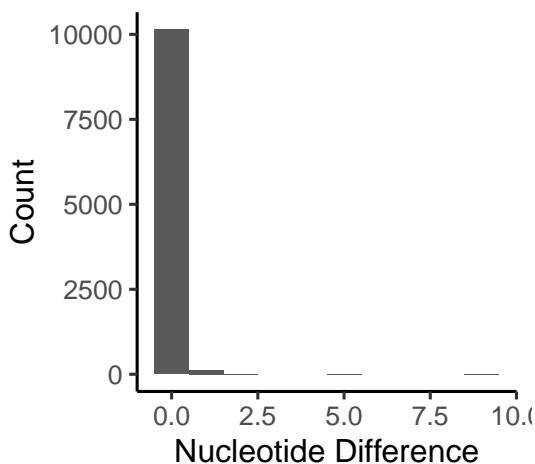
TRBV17*ap01

8 sequences assigned
7 (87.5%) exact matches, in which:
7 unique CDR3
5 unique J



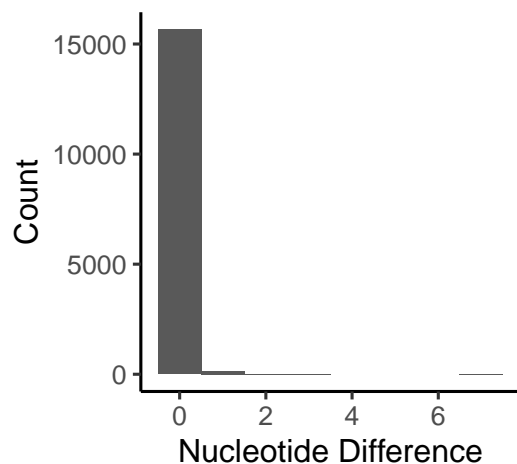
TRBV2*ap01

10283 sequences assigned
10144 (98.6%) exact matches, in which:
9910 unique CDR3
13 unique J



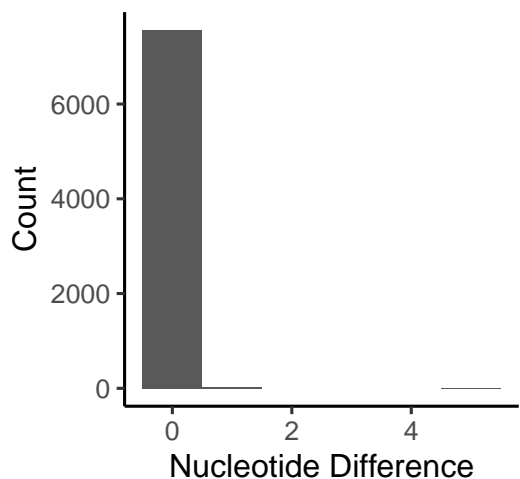
TRBV28*ap01

15826 sequences assigned
15661 (99%) exact matches, in which:
15344 unique CDR3
13 unique J



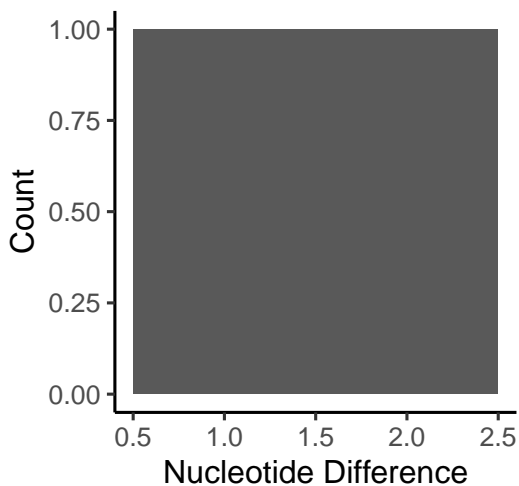
TRBV18*ap01

7591 sequences assigned
7562 (99.6%) exact matches, in which:
7461 unique CDR3
13 unique J



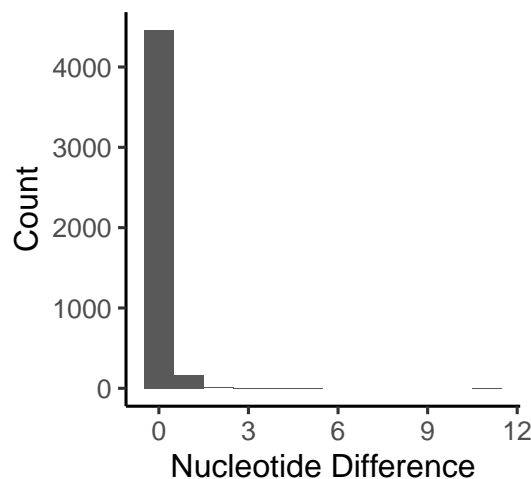
TRBV26*ap01

2 sequences assigned
No exact matches.



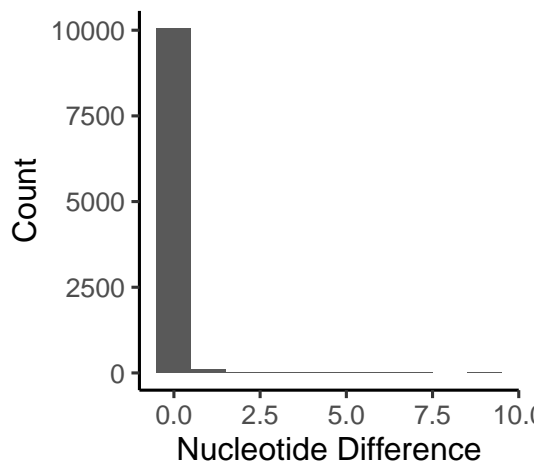
TRBV30*ap01

4638 sequences assigned
4460 (96.2%) exact matches, in which:
4394 unique CDR3
13 unique J



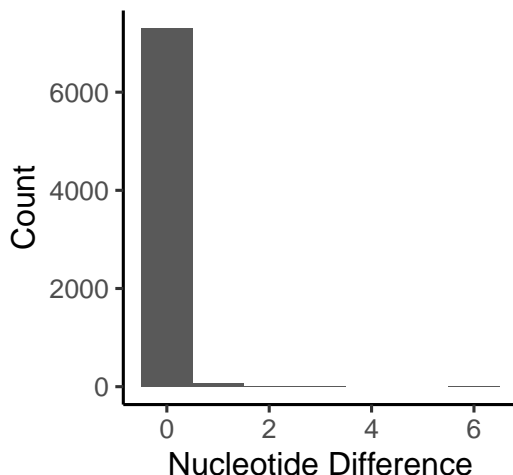
TRBV9*ap01

10179 sequences assigned
10060 (98.8%) exact matches, in which:
9837 unique CDR3
13 unique J



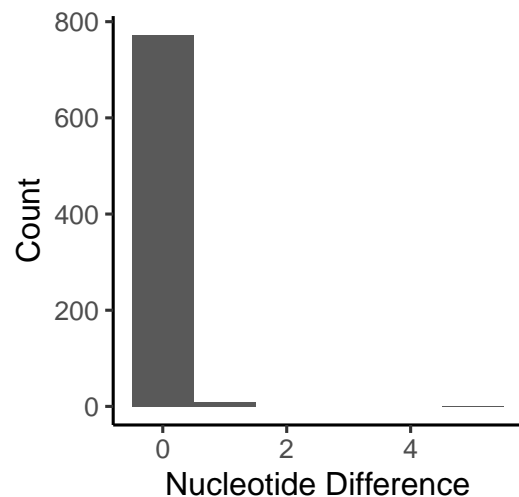
TRBV11-2*ap01

7375 sequences assigned
7299 (99%) exact matches, in which:
7116 unique CDR3
13 unique J



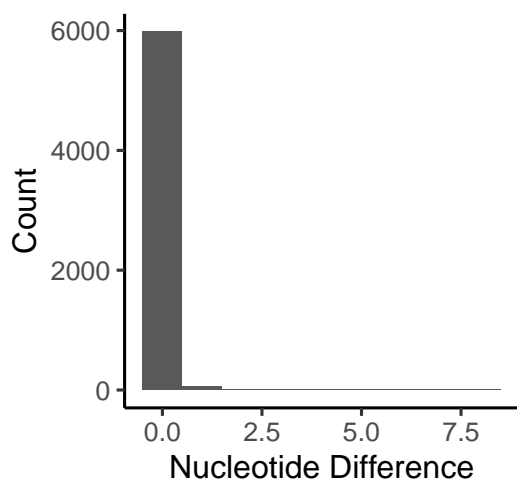
TRBV12-2*ap01

783 sequences assigned
773 (98.7%) exact matches, in which:
761 unique CDR3
13 unique J



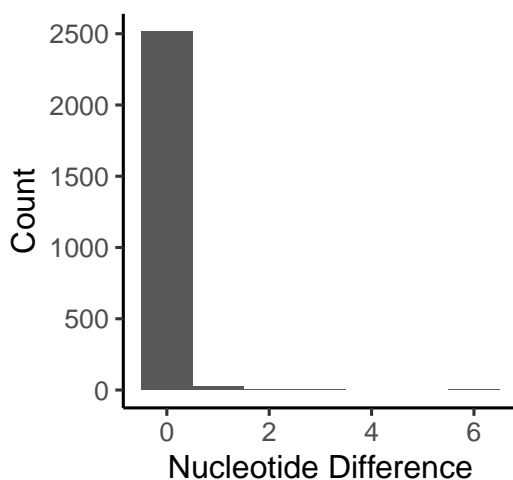
TRBV21-1*ap01

6077 sequences assigned
5981 (98.4%) exact matches, in which:
5870 unique CDR3
13 unique J



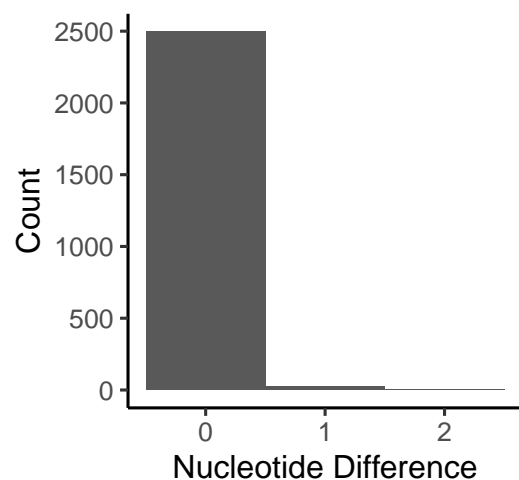
TRBV11-3*ap01

2541 sequences assigned
2514 (98.9%) exact matches, in which:
2466 unique CDR3
13 unique J



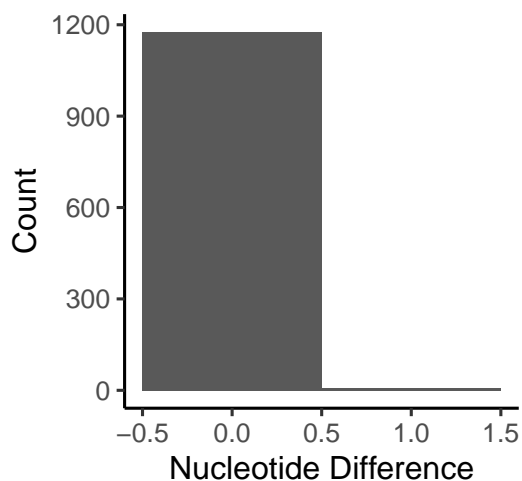
TRBV12-5*ap01

2529 sequences assigned
2496 (98.7%) exact matches, in which:
2437 unique CDR3
14 unique J



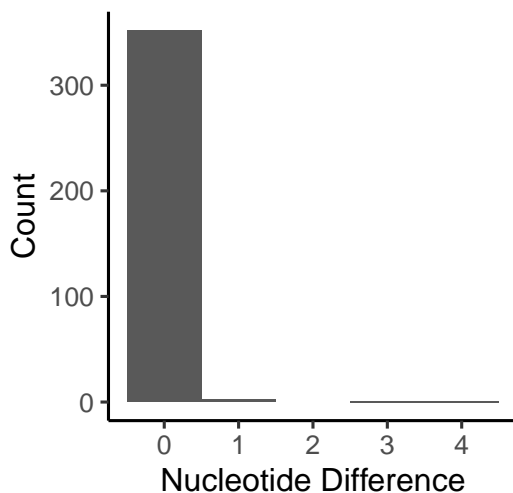
TRBV11-1*ap01

1184 sequences assigned
1176 (99.3%) exact matches, in which:
1151 unique CDR3
13 unique J



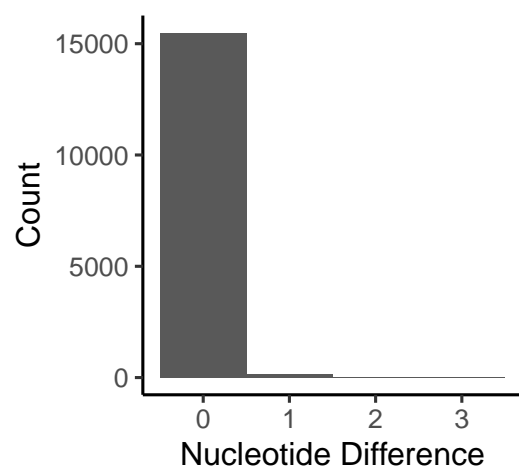
TRBV12-1*ap01

356 sequences assigned
352 (98.9%) exact matches, in which:
342 unique CDR3
13 unique J



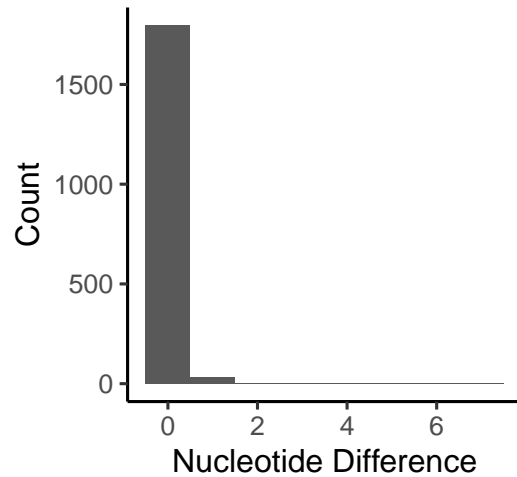
TRBV12-34*ap01

15647 sequences assigned
15490 (99%) exact matches, in which:
15129 unique CDR3
13 unique J



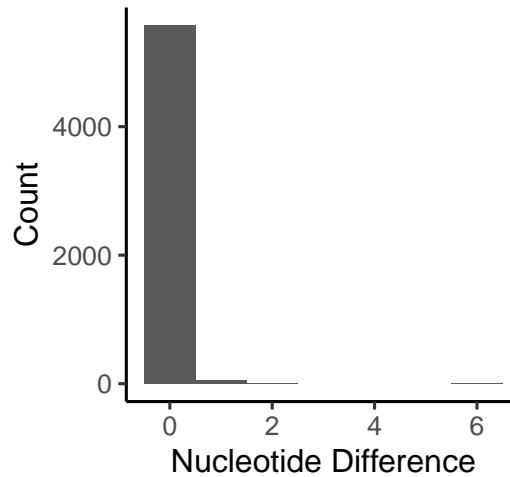
TRBV23-1*ap01

1839 sequences assigned
1796 (97.7%) exact matches, in which:
1752 unique CDR3
13 unique J



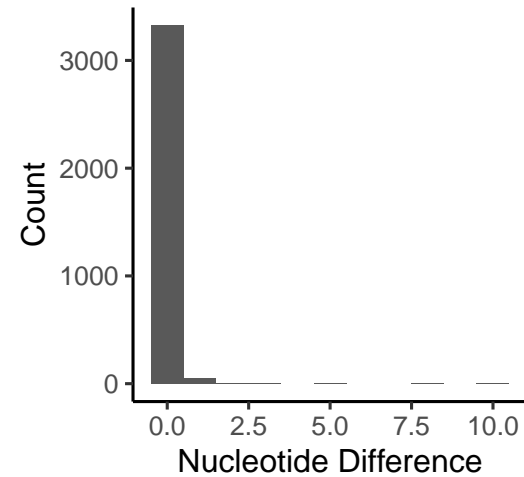
TRBV4-1*ap01

5632 sequences assigned
5576 (99%) exact matches, in which:
5455 unique CDR3
13 unique J



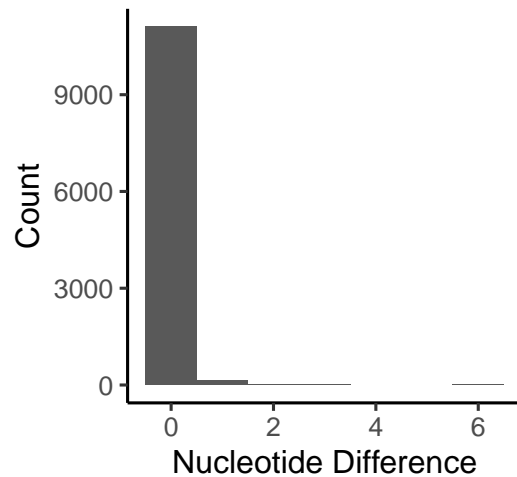
TRBV25-1*ap01

3379 sequences assigned
3325 (98.4%) exact matches, in which:
3268 unique CDR3
13 unique J



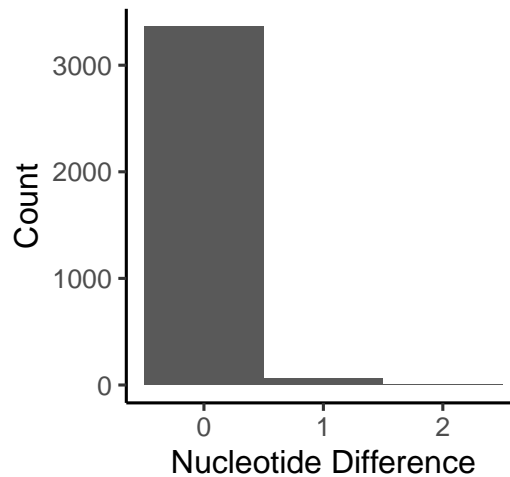
TRBV3-12*ap01

11249 sequences assigned
11107 (98.7%) exact matches, in which:
10841 unique CDR3
13 unique J



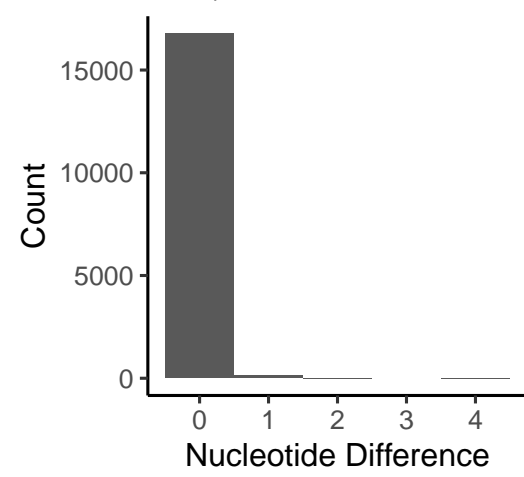
TRBV4-2*ap01

3422 sequences assigned
3361 (98.2%) exact matches, in which:
3280 unique CDR3
13 unique J



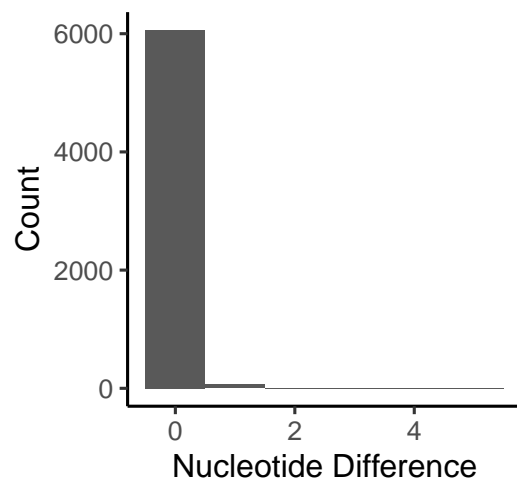
TRBV5-1*ap01

16932 sequences assigned
16779 (99.1%) exact matches, in which:
16366 unique CDR3
13 unique J



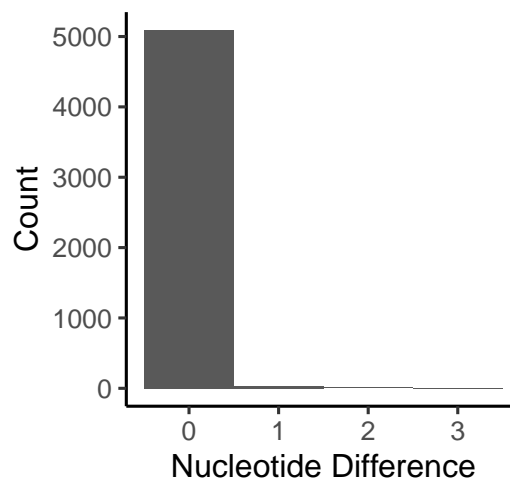
TRBV24-1*ap01

6138 sequences assigned
6062 (98.8%) exact matches, in which:
5954 unique CDR3
13 unique J



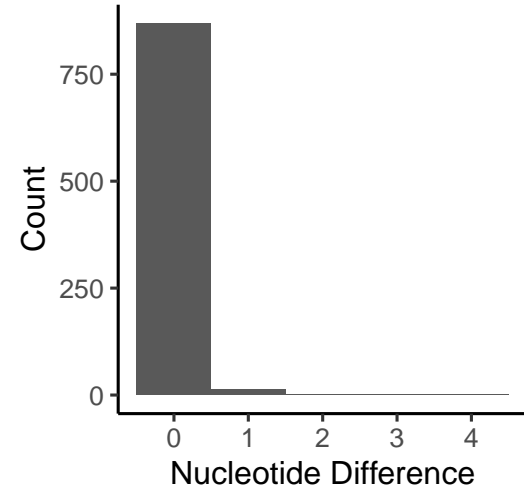
TRBV4-3*ap01

5140 sequences assigned
5092 (99.1%) exact matches, in which:
4979 unique CDR3
13 unique J



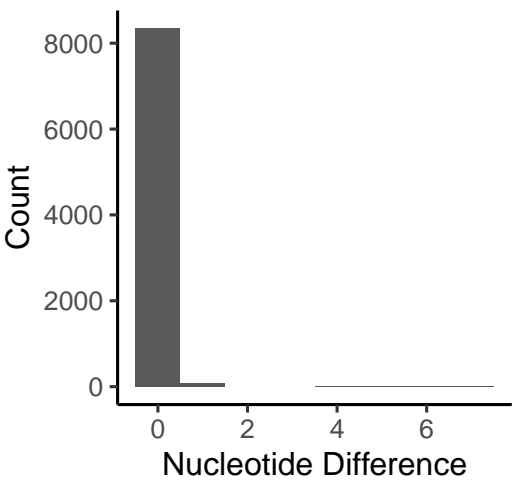
TRBV5-3*ap01

887 sequences assigned
869 (98%) exact matches, in which:
859 unique CDR3
13 unique J



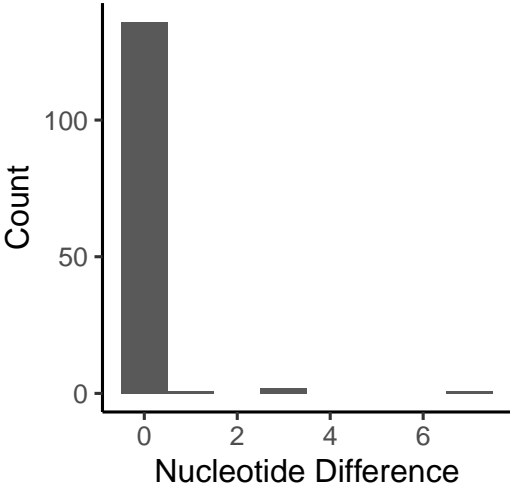
TRBV5-4*ap01

8438 sequences assigned
8344 (98.9%) exact matches, in which:
8148 unique CDR3
13 unique J



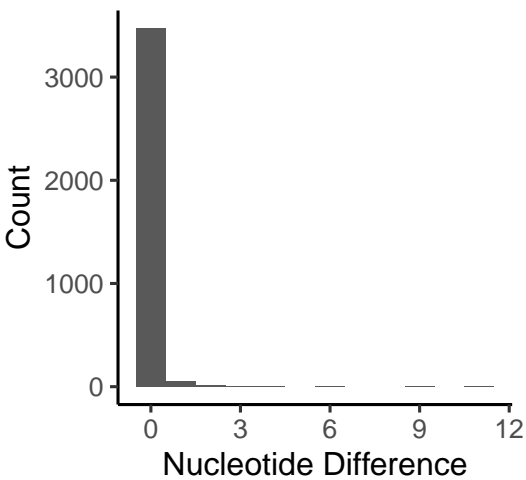
TRBV5-7*ap01

140 sequences assigned
136 (97.1%) exact matches, in which:
129 unique CDR3
13 unique J



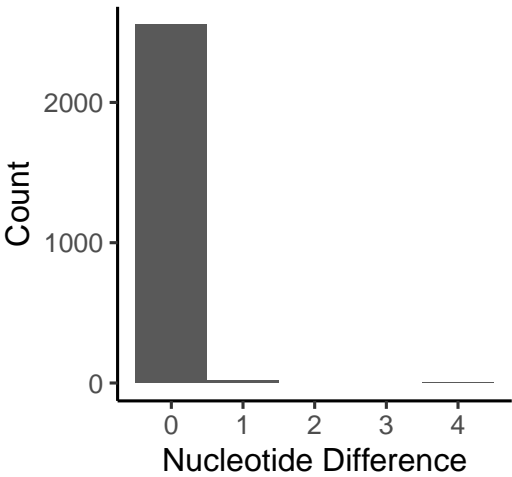
TRBV6-4*ap01

3545 sequences assigned
3472 (97.9%) exact matches, in which:
3385 unique CDR3
13 unique J



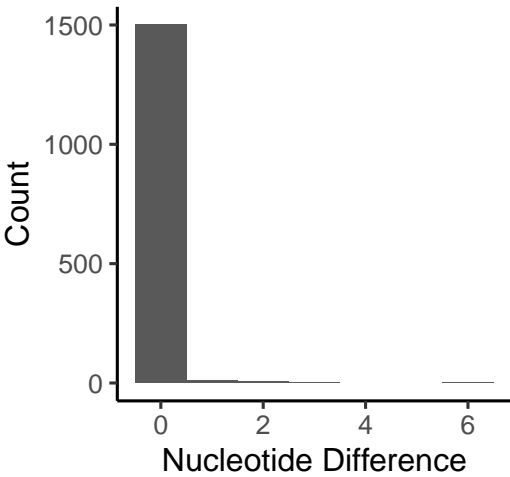
TRBV5-5*ap01

2576 sequences assigned
2554 (99.1%) exact matches, in which:
2519 unique CDR3
14 unique J



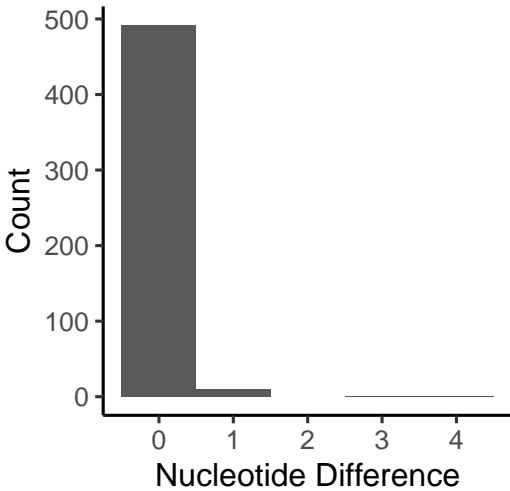
TRBV5-8*ap01

1523 sequences assigned
1501 (98.6%) exact matches, in which:
1477 unique CDR3
13 unique J



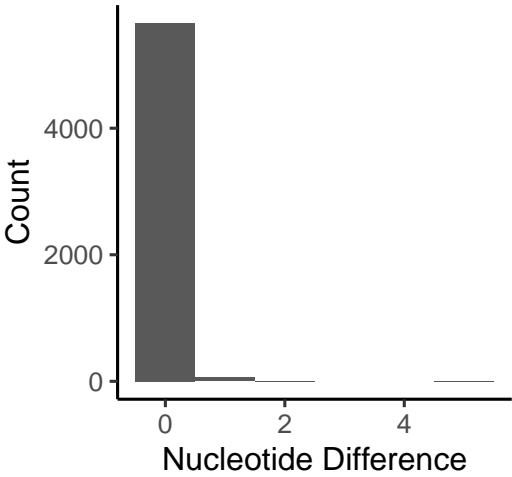
TRBV6-7*ap01

504 sequences assigned
492 (97.6%) exact matches, in which:
479 unique CDR3
13 unique J



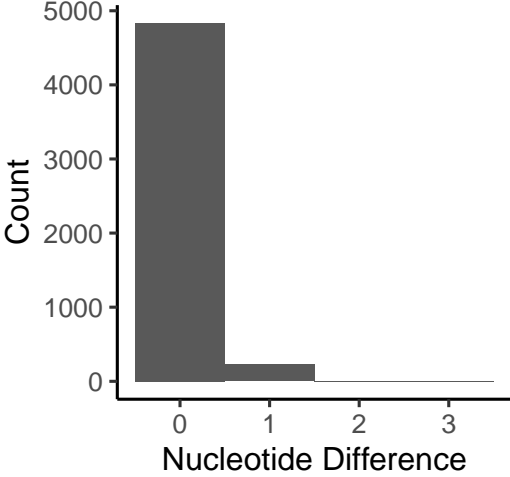
TRBV5-6*ap01

5727 sequences assigned
5662 (98.9%) exact matches, in which:
5501 unique CDR3
13 unique J



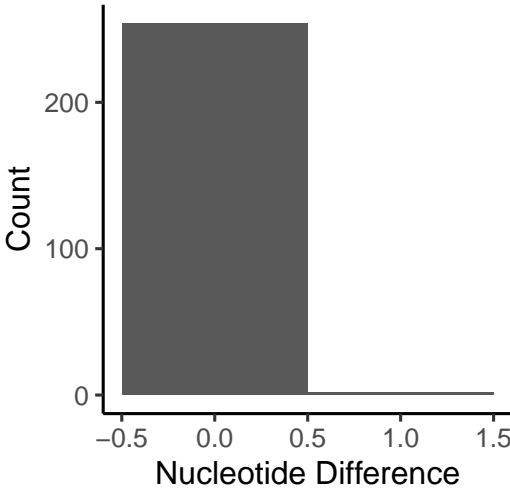
TRBV6-1*ap01

5065 sequences assigned
4834 (95.4%) exact matches, in which:
4710 unique CDR3
13 unique J



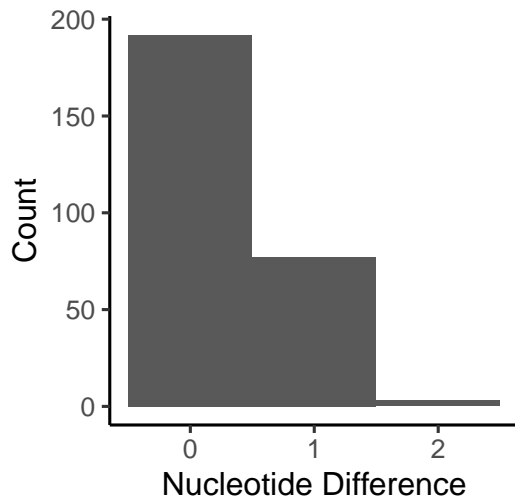
TRBV6-8*ap01

256 sequences assigned
254 (99.2%) exact matches, in which:
241 unique CDR3
13 unique J



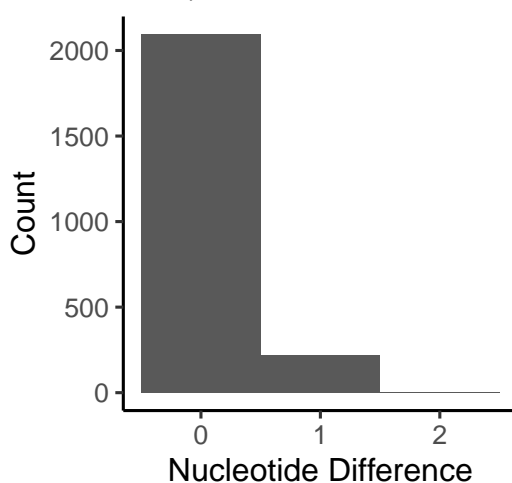
TRBV6-9*ap01

272 sequences assigned
192 (70.6%) exact matches, in which:
186 unique CDR3
13 unique J



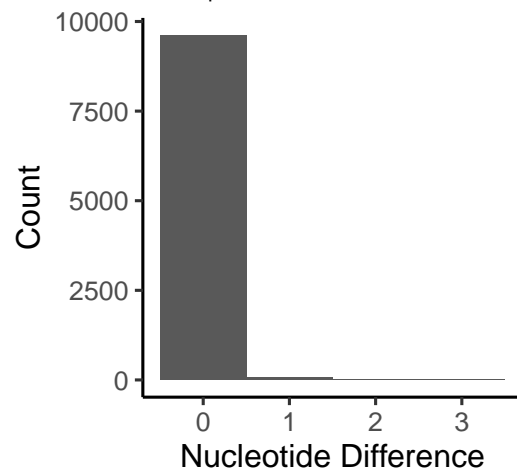
TRBV6-56*ap02

2315 sequences assigned
2094 (90.5%) exact matches, in which:
2055 unique CDR3
13 unique J



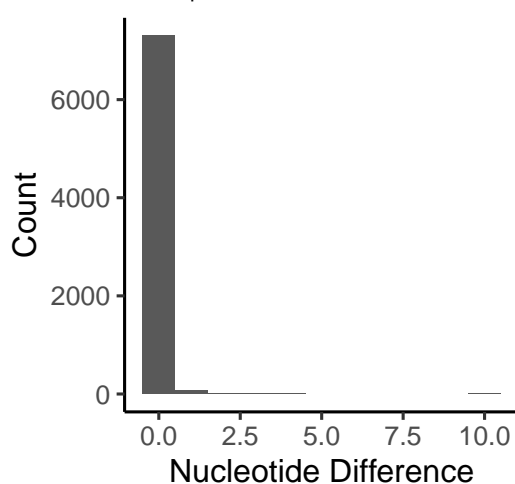
TRBV7-2*ap01

9707 sequences assigned
9619 (99.1%) exact matches, in which:
9408 unique CDR3
13 unique J



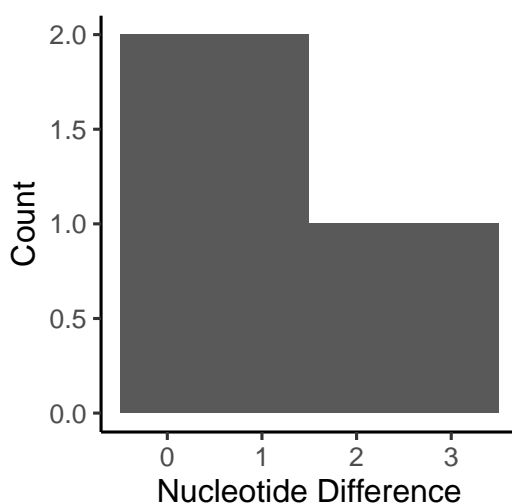
TRBV6-23*ap01

7386 sequences assigned
7302 (98.9%) exact matches, in which:
7104 unique CDR3
13 unique J



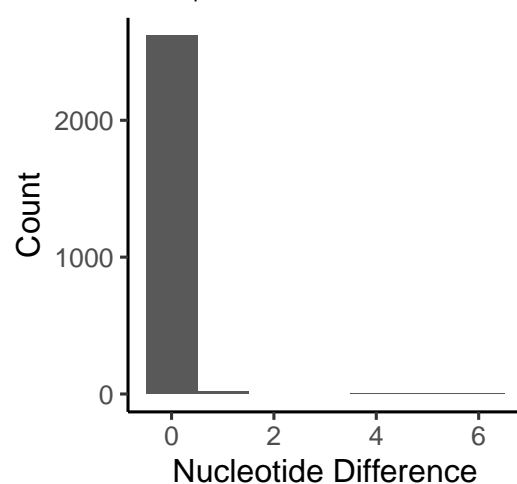
TRBV7-1*ap01

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



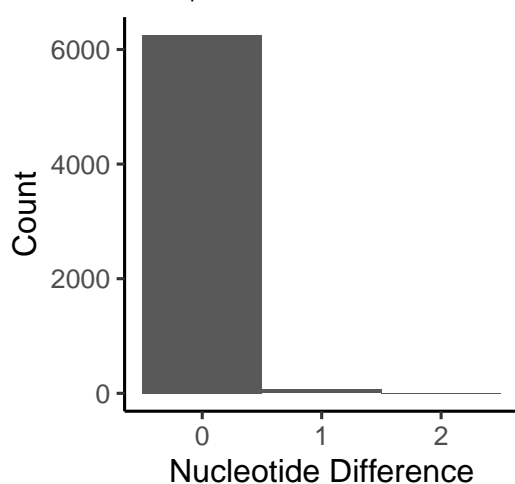
TRBV7-3*ap01

2644 sequences assigned
2618 (99%) exact matches, in which:
2572 unique CDR3
13 unique J



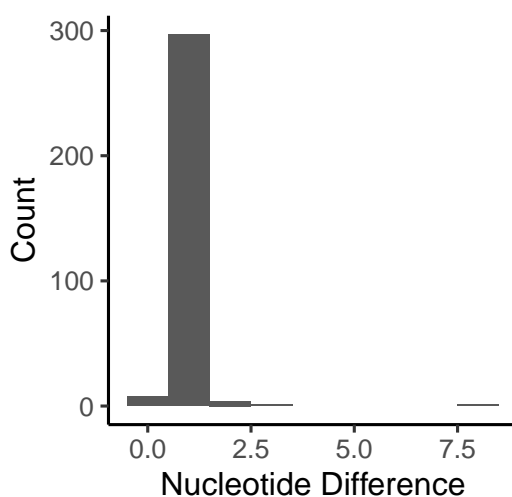
TRBV6-56*ap01

6319 sequences assigned
6252 (98.9%) exact matches, in which:
6089 unique CDR3
13 unique J



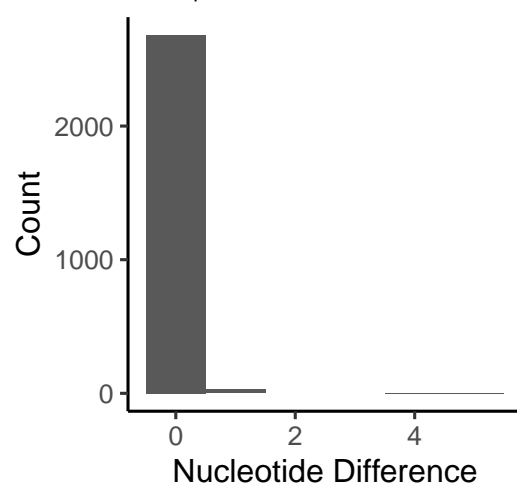
TRBV7-1*ap01_T296C_()

311 sequences assigned
8 (2.6%) exact matches, in which:
8 unique CDR3
4 unique J



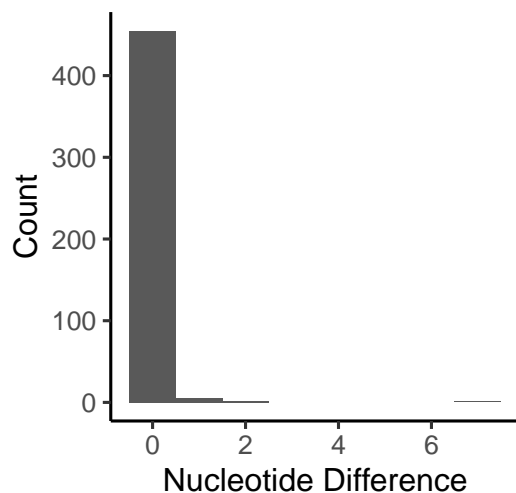
TRBV7-3*ap01_G301A

2713 sequences assigned
2681 (98.8%) exact matches, in which:
2628 unique CDR3
14 unique J



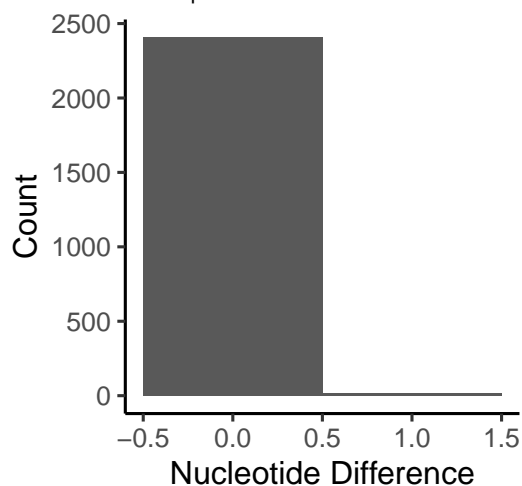
TRBV7-4*ap01

463 sequences assigned
455 (98.3%) exact matches, in which:
444 unique CDR3
13 unique J



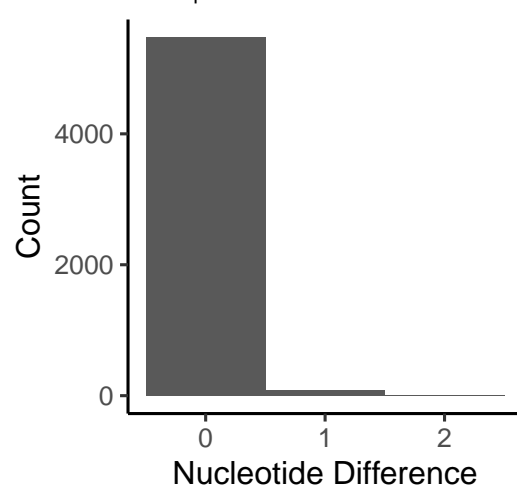
TRBV7-8*ap01

2427 sequences assigned
2407 (99.2%) exact matches, in which:
2348 unique CDR3
13 unique J



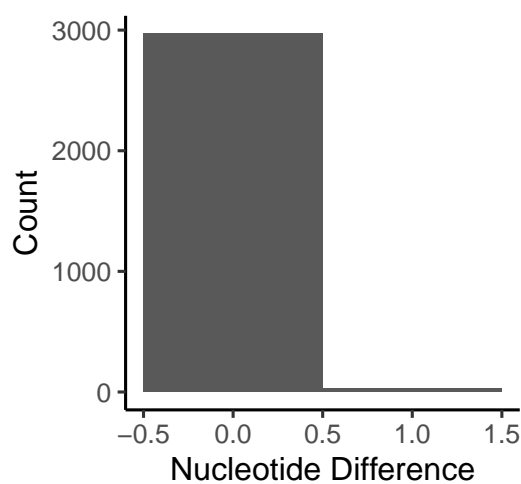
TRBV29-1*ap01

5552 sequences assigned
5473 (98.6%) exact matches, in which:
5370 unique CDR3
13 unique J



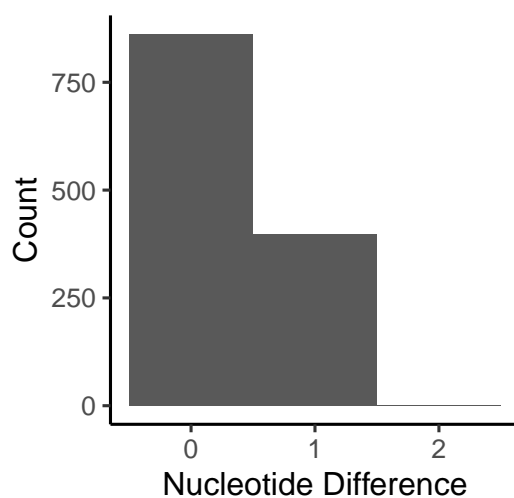
TRBV7-6*ap01

2995 sequences assigned
2970 (99.2%) exact matches, in which:
2908 unique CDR3
13 unique J



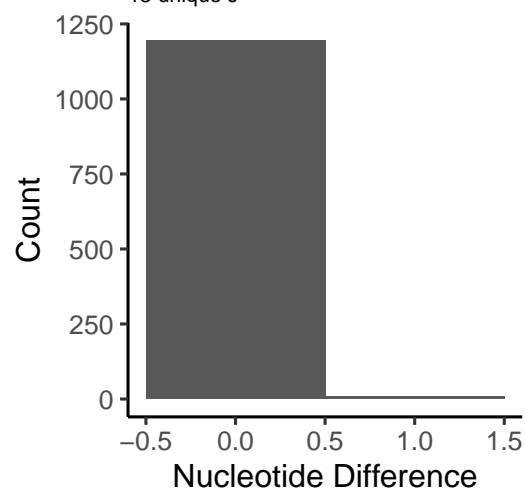
TRBV7-8*ap03

1261 sequences assigned
862 (68.4%) exact matches, in which:
840 unique CDR3
13 unique J



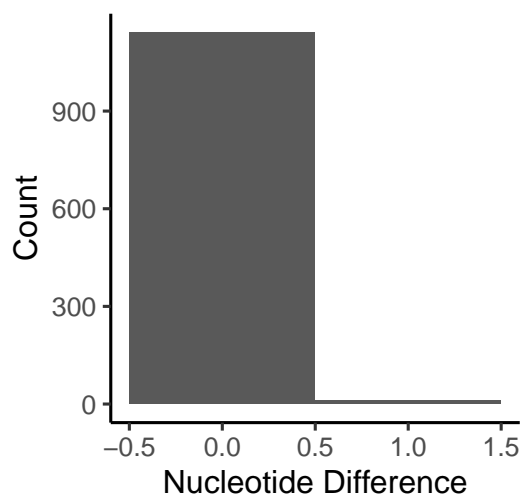
TRBV29-1*ap02

1202 sequences assigned
1194 (99.3%) exact matches, in which:
1169 unique CDR3
13 unique J



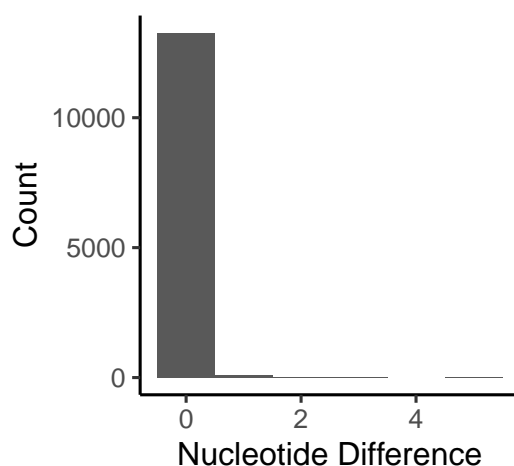
TRBV7-7*ap01

1152 sequences assigned
1142 (99.1%) exact matches, in which:
1114 unique CDR3
13 unique J

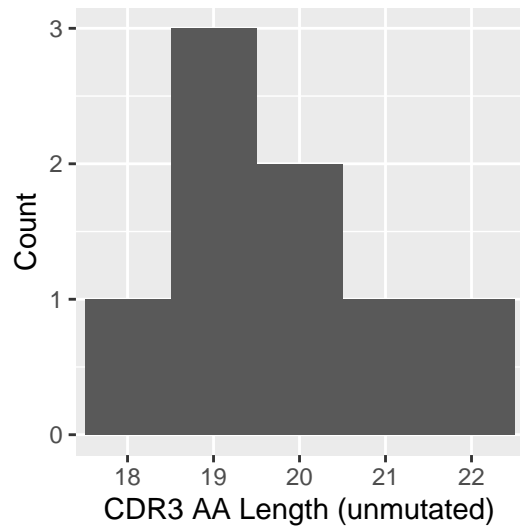


TRBV7-9*ap01

13375 sequences assigned
13267 (99.2%) exact matches, in which:
13038 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-3*ap01_G301A

