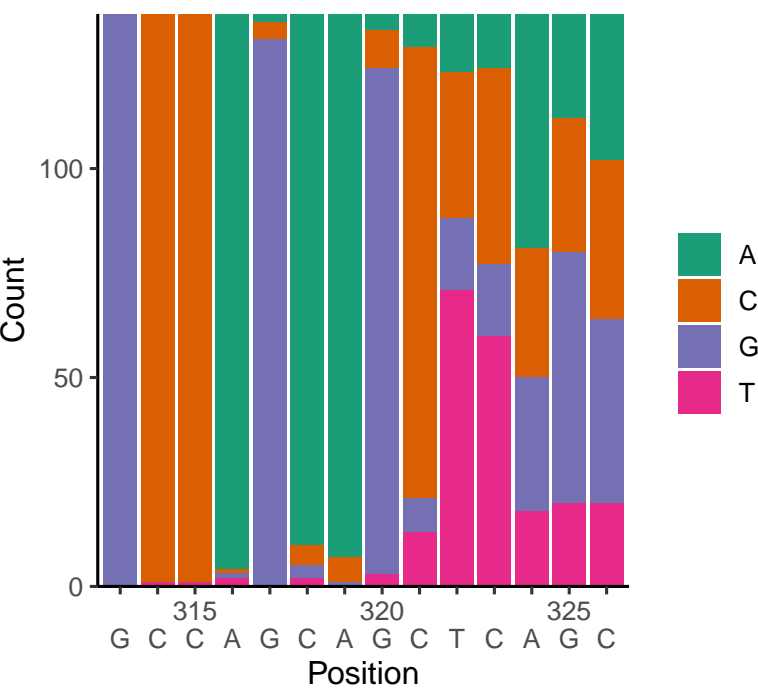
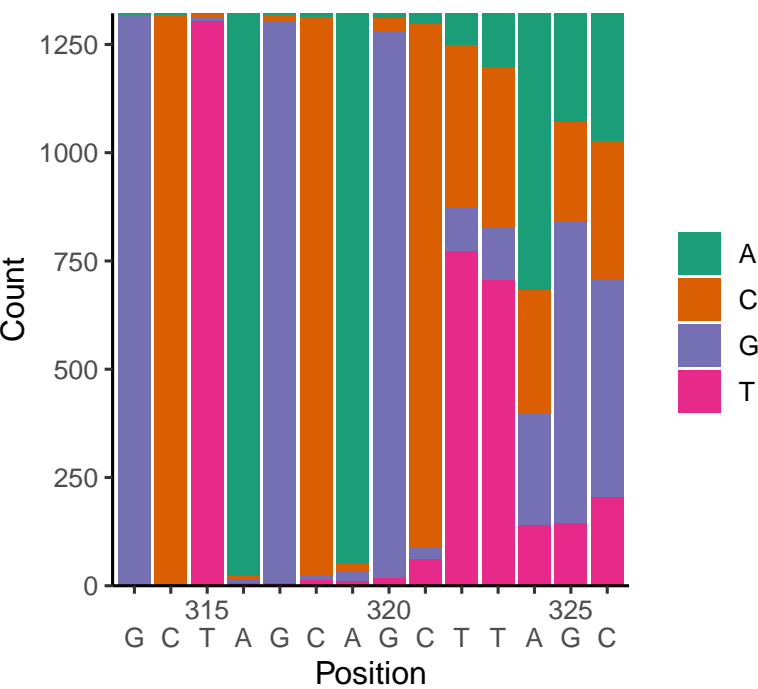


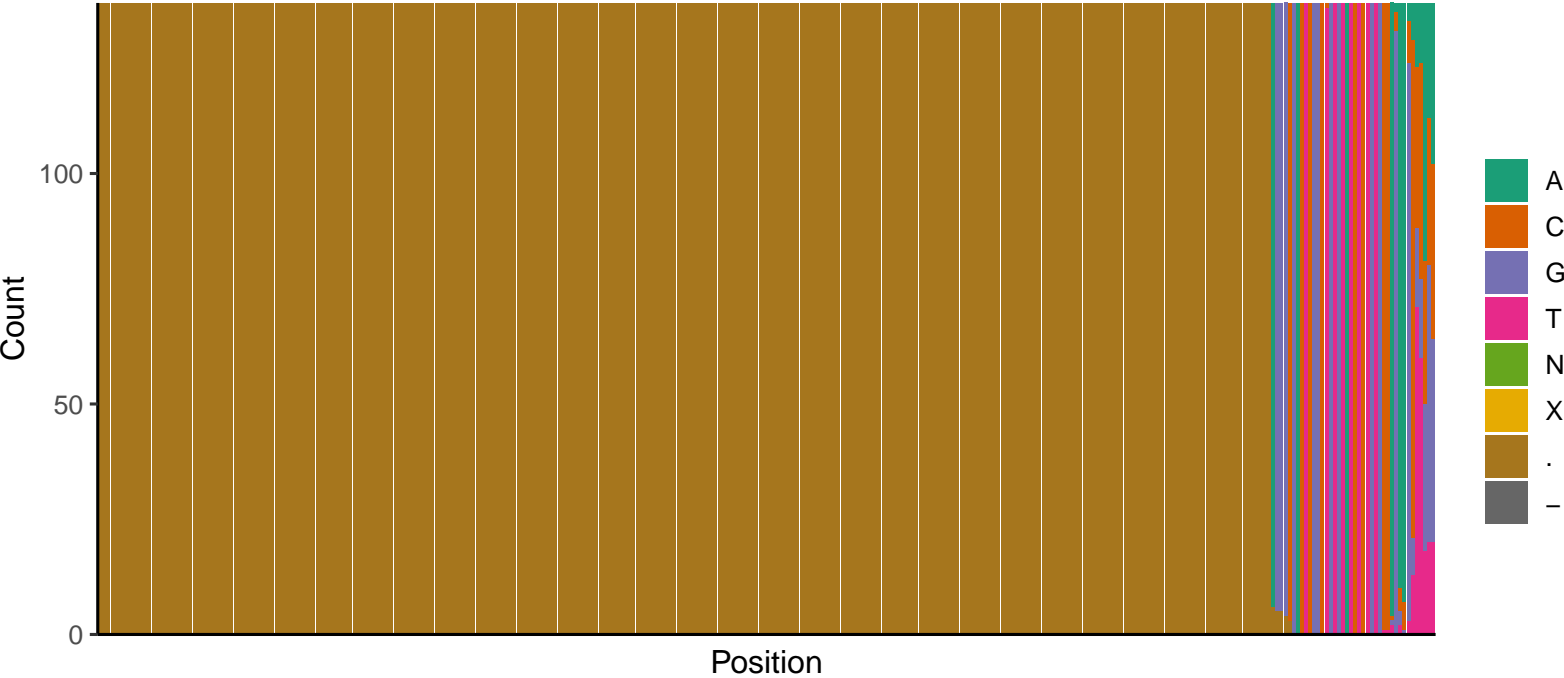
Gene TRBV7-1*ap01_G291C_T296C



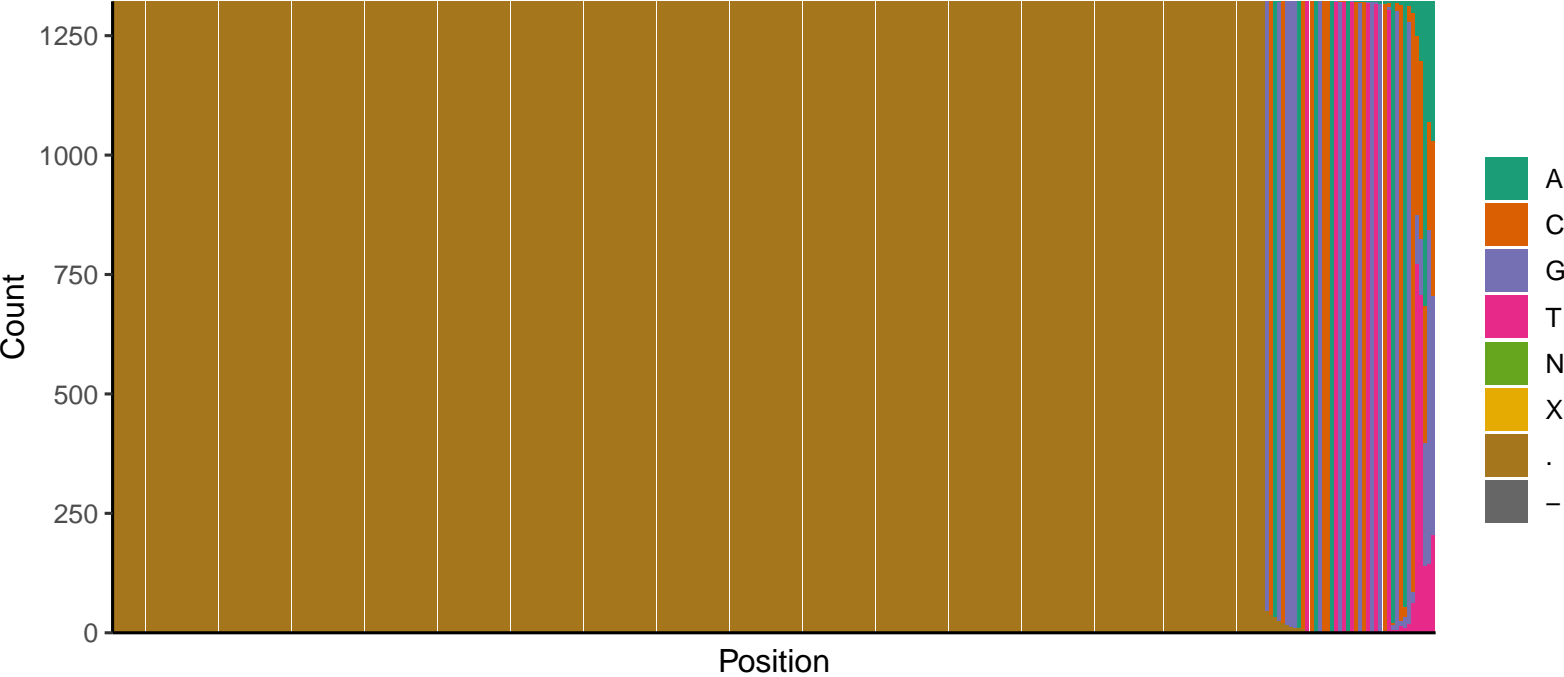
Gene TRBV7-7*ap01_C315T



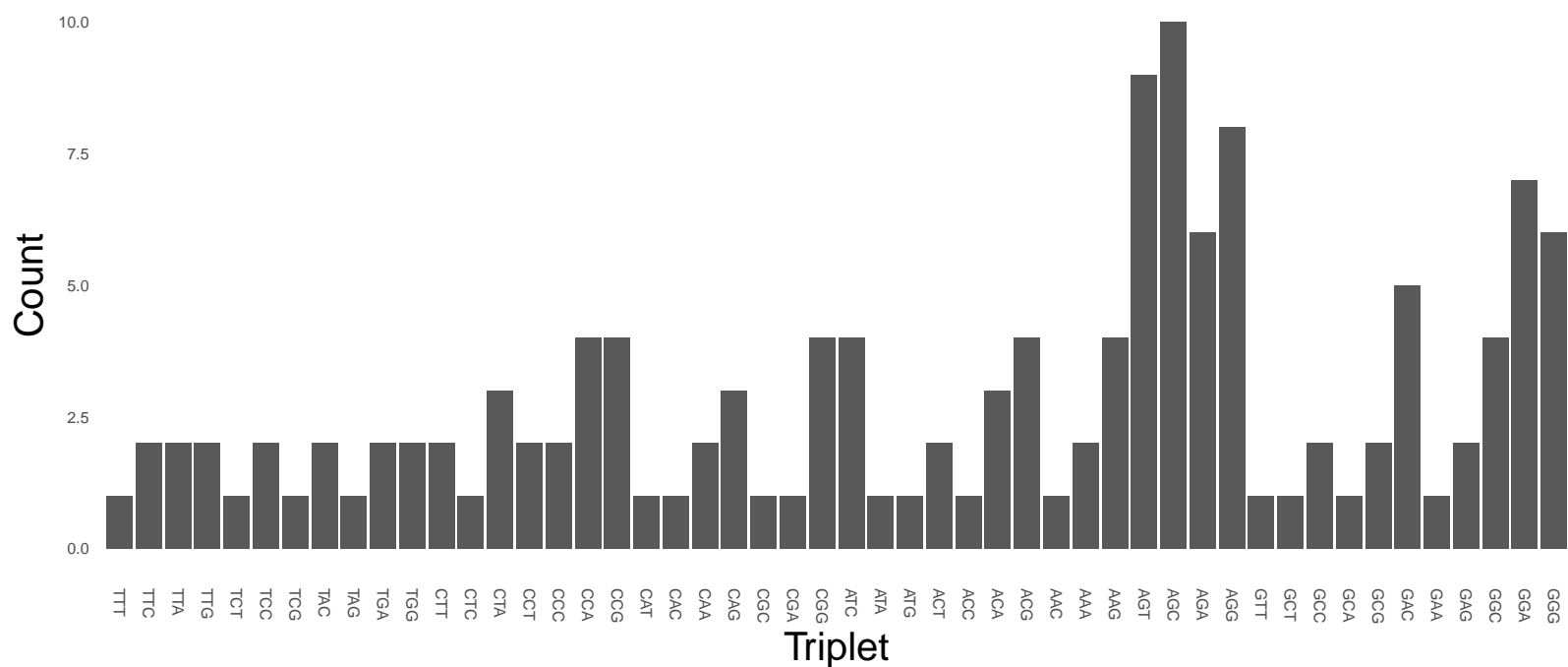
Gene TRBV7-1*ap01_G291C_T296C



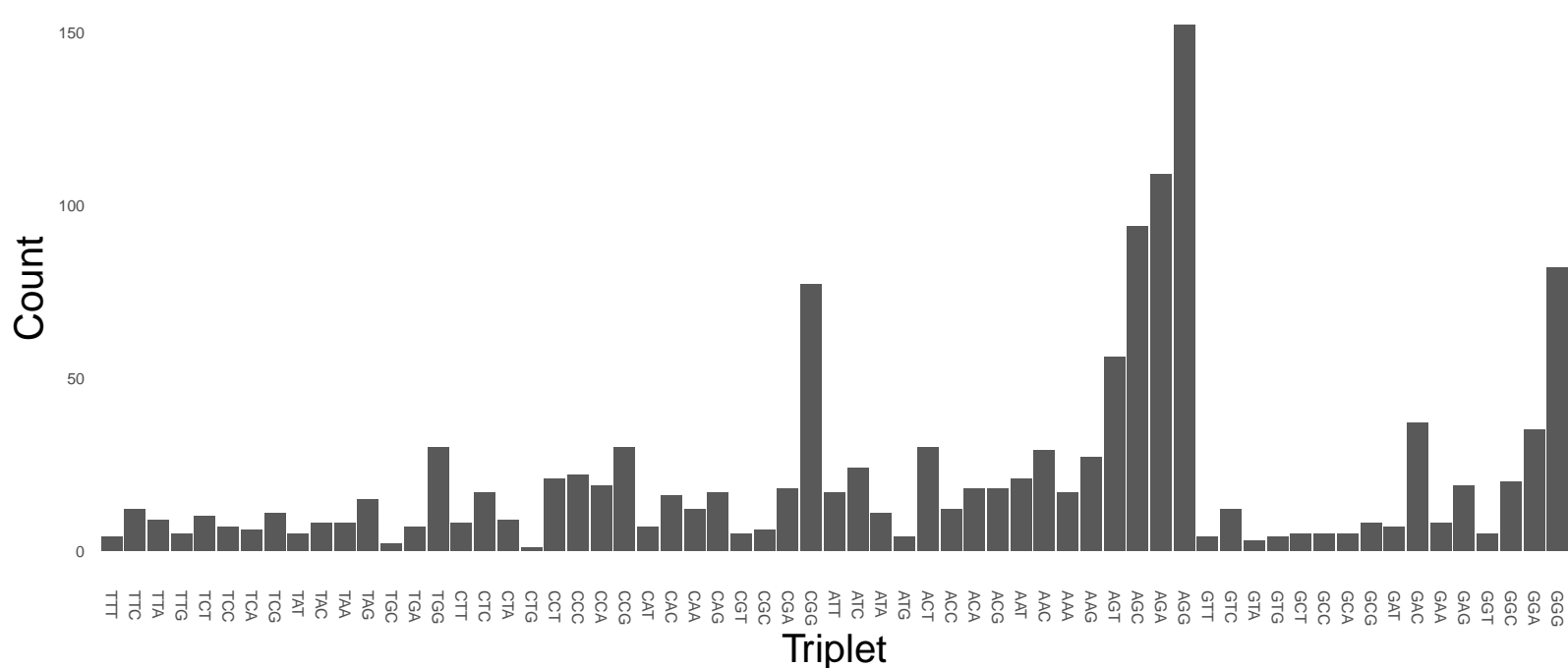
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

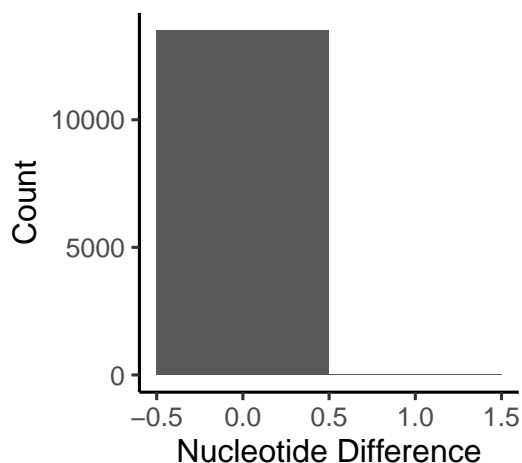


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



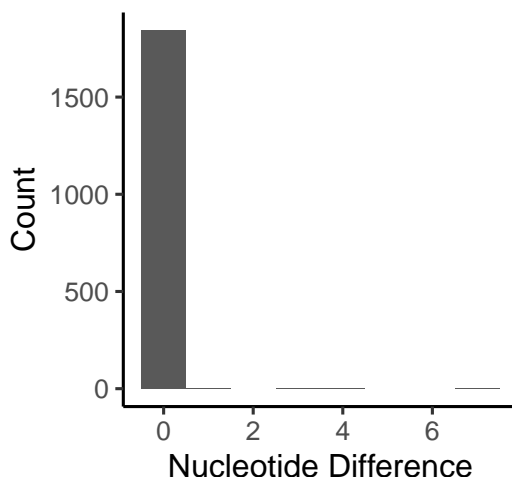
TRBV20-1*ap01

13545 sequences assigned
13511 (99.7%) exact matches, in which:
13496 unique CDR3
13 unique J



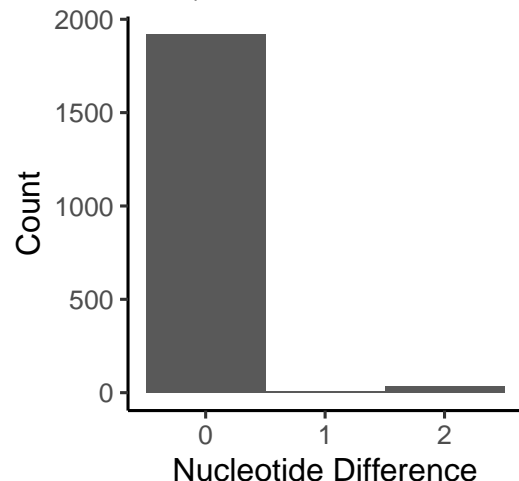
TRBV10-2*ap01

1849 sequences assigned
1843 (99.7%) exact matches, in which:
1836 unique CDR3
13 unique J



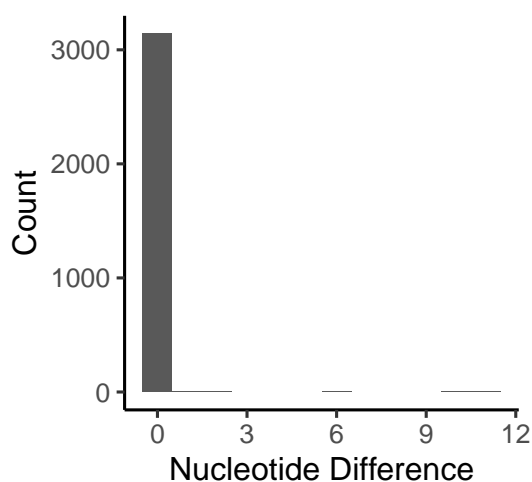
TRBV13*ap01

1962 sequences assigned
1919 (97.8%) exact matches, in which:
1916 unique CDR3
12 unique J



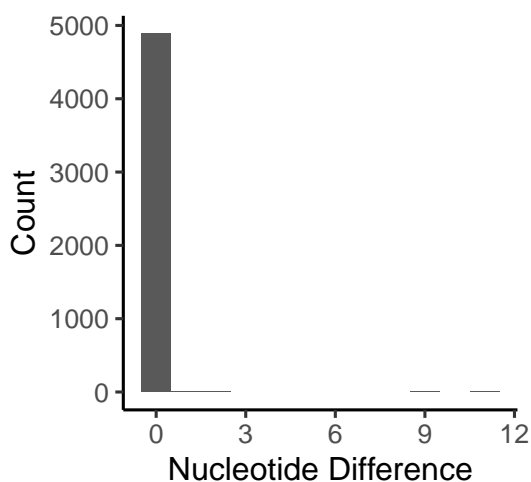
TRBV10-1*ap01

3154 sequences assigned
3141 (99.6%) exact matches, in which:
3140 unique CDR3
12 unique J



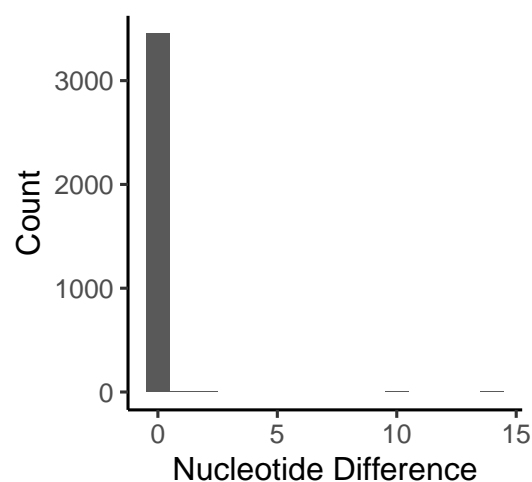
TRBV10-3*ap01

4898 sequences assigned
4887 (99.8%) exact matches, in which:
4883 unique CDR3
12 unique J



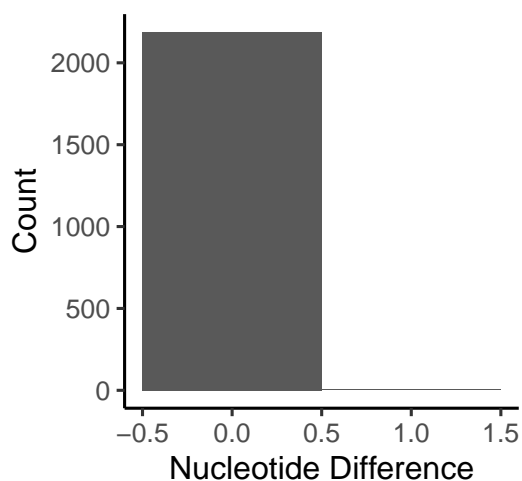
TRBV14*ap01

3458 sequences assigned
3452 (99.8%) exact matches, in which:
3450 unique CDR3
13 unique J



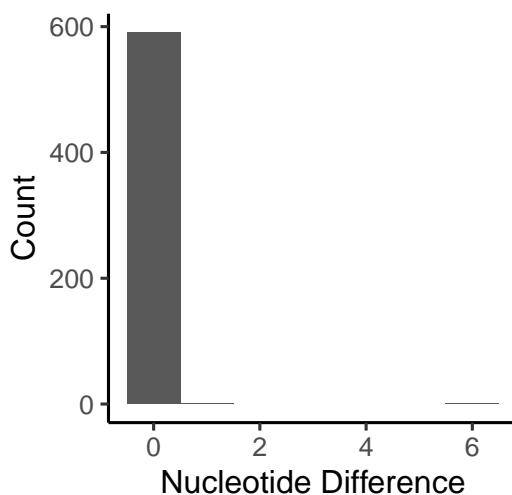
TRBV20-1*ap02

2193 sequences assigned
2188 (99.8%) exact matches, in which:
2186 unique CDR3
13 unique J



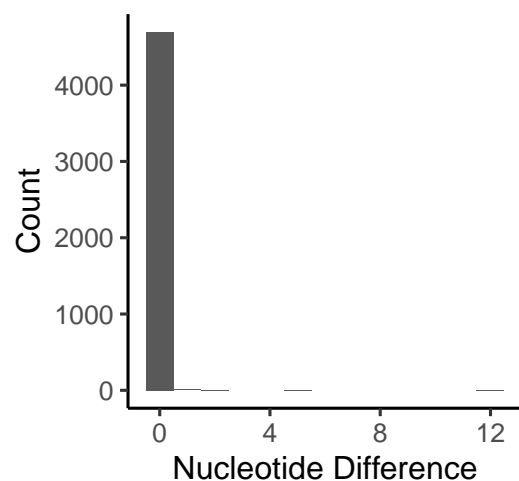
TRBV1*ap01

593 sequences assigned
591 (99.7%) exact matches, in which:
591 unique CDR3
13 unique J



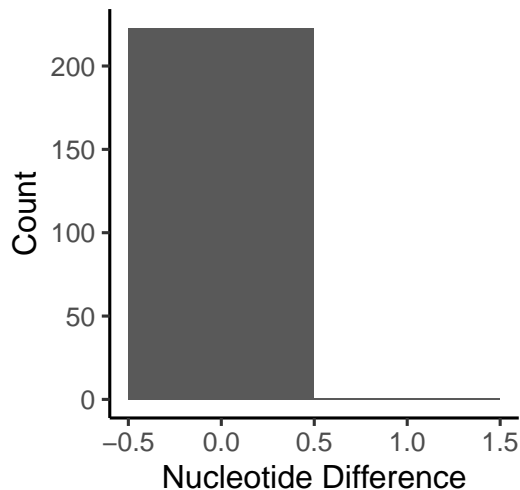
TRBV15*ap02

4709 sequences assigned
4696 (99.7%) exact matches, in which:
4685 unique CDR3
13 unique J



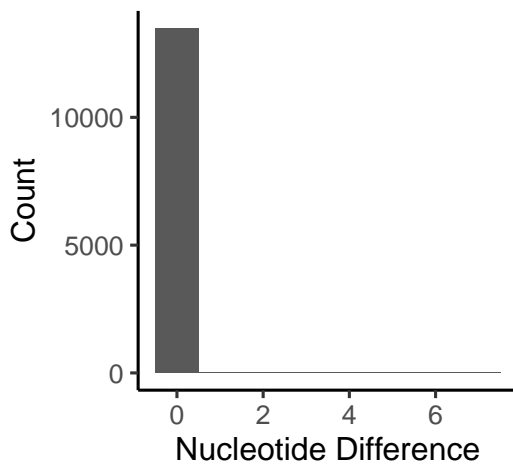
TRBV16*ap01

224 sequences assigned
223 (99.6%) exact matches, in which:
223 unique CDR3
11 unique J



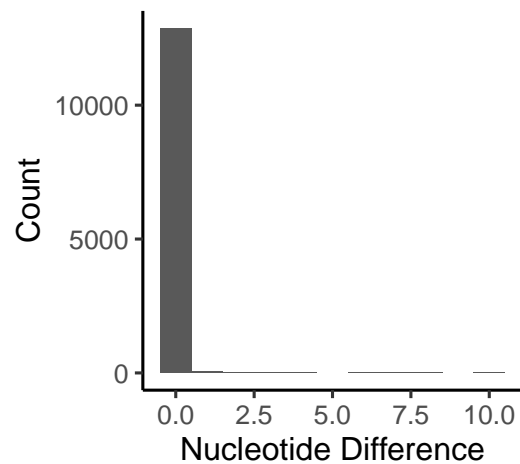
TRBV19*ap01

13534 sequences assigned
13491 (99.7%) exact matches, in which:
13489 unique CDR3
12 unique J



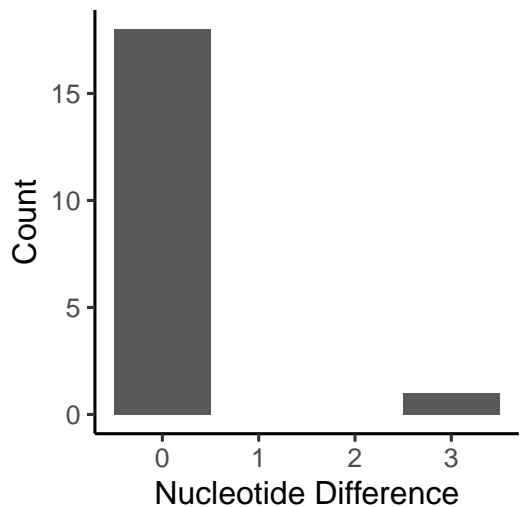
TRBV27*ap01

12936 sequences assigned
12876 (99.5%) exact matches, in which:
12838 unique CDR3
13 unique J



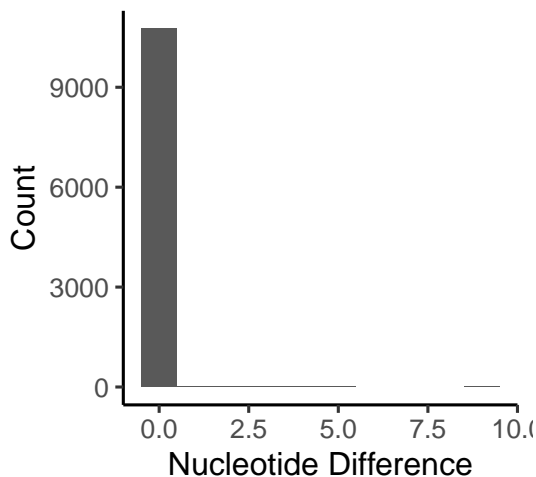
TRBV17*ap01

19 sequences assigned
18 (94.7%) exact matches, in which:
18 unique CDR3
8 unique J



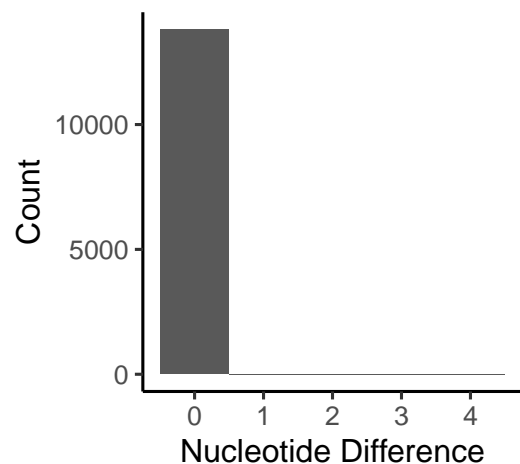
TRBV2*ap01

10787 sequences assigned
10758 (99.7%) exact matches, in which:
10743 unique CDR3
13 unique J



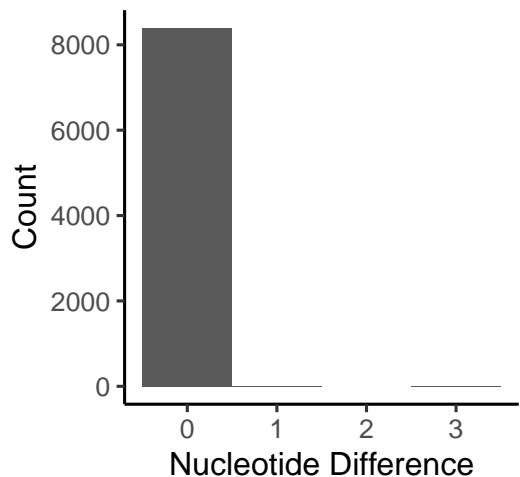
TRBV28*ap01

13833 sequences assigned
13808 (99.8%) exact matches, in which:
13800 unique CDR3
13 unique J



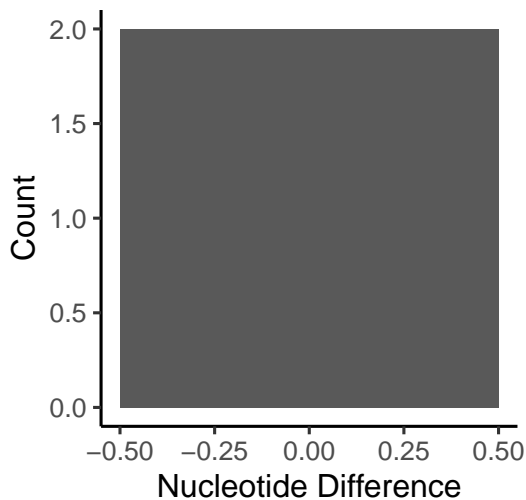
TRBV18*ap01

8400 sequences assigned
8393 (99.9%) exact matches, in which:
8389 unique CDR3
12 unique J



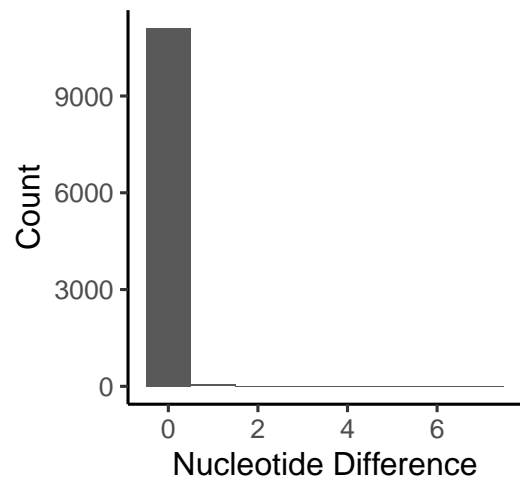
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J



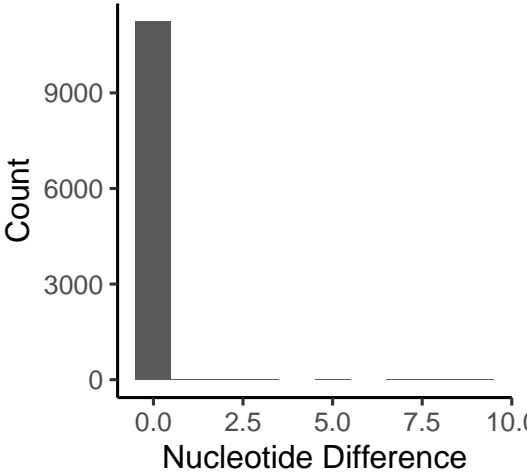
TRBV30*ap01

11172 sequences assigned
11106 (99.4%) exact matches, in which:
11068 unique CDR3
13 unique J



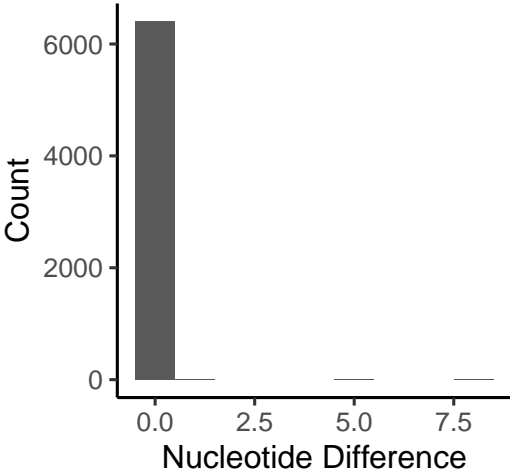
TRBV9*ap01

11262 sequences assigned
11243 (99.8%) exact matches, in which:
11227 unique CDR3
12 unique J



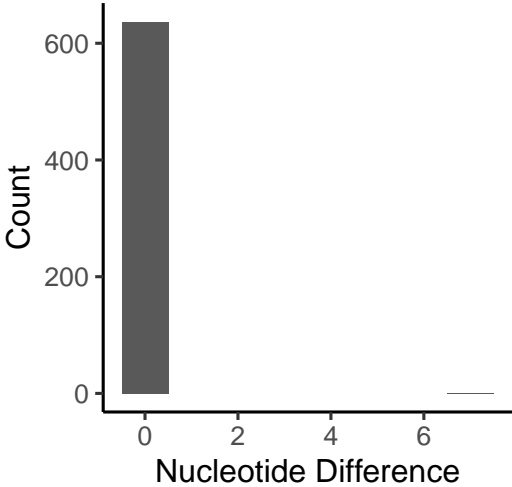
TRBV11-2*ap01

6414 sequences assigned
6403 (99.8%) exact matches, in which:
6402 unique CDR3
13 unique J



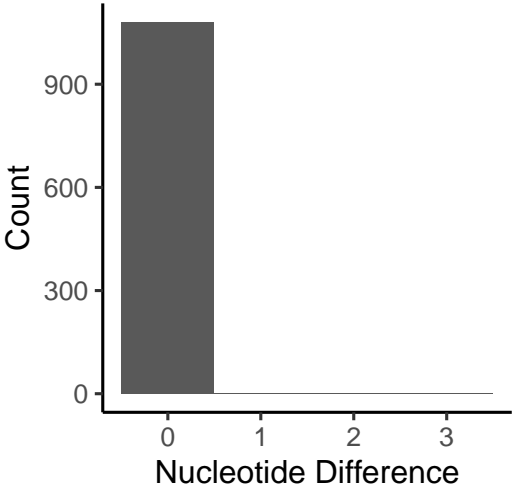
TRBV12-2*ap01

638 sequences assigned
637 (99.8%) exact matches, in which:
637 unique CDR3
12 unique J



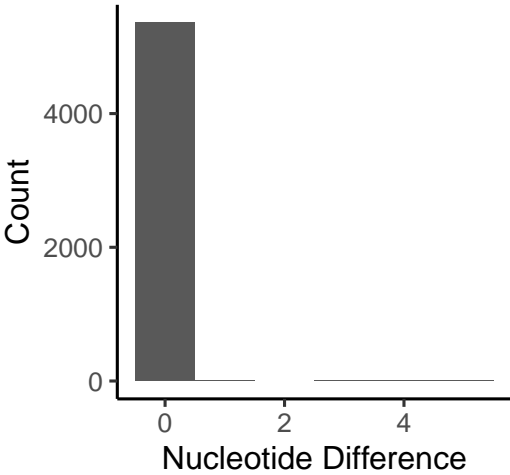
TRBV11-1*ap01

1085 sequences assigned
1081 (99.6%) exact matches, in which:
1081 unique CDR3
12 unique J



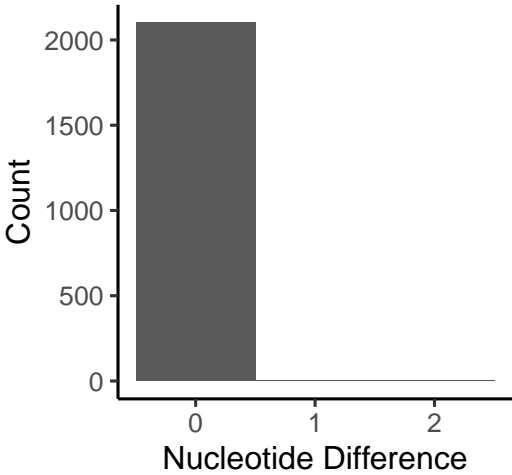
TRBV11-3*ap01

5376 sequences assigned
5359 (99.7%) exact matches, in which:
5357 unique CDR3
13 unique J



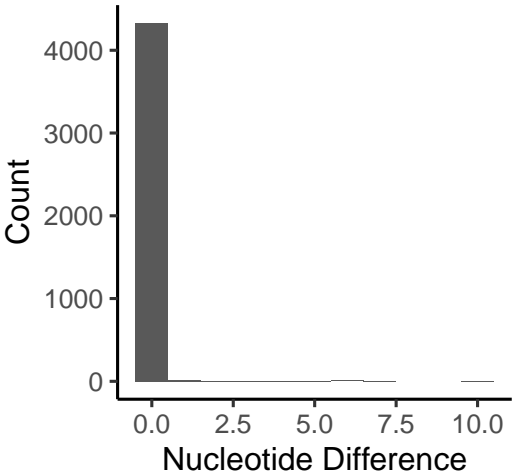
TRBV12-5*ap01

2106 sequences assigned
2101 (99.8%) exact matches, in which:
2101 unique CDR3
12 unique J



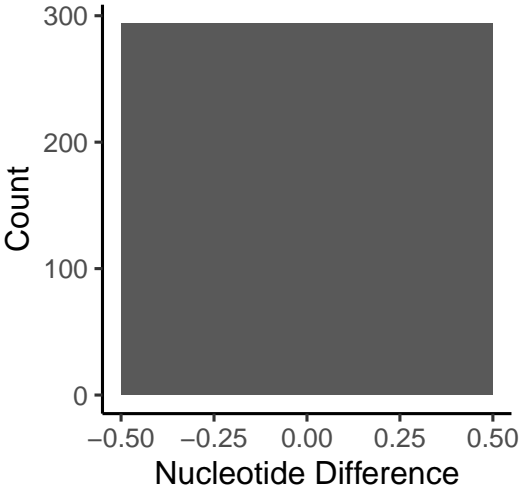
TRBV21-1*ap01

4373 sequences assigned
4329 (99%) exact matches, in which:
4329 unique CDR3
12 unique J



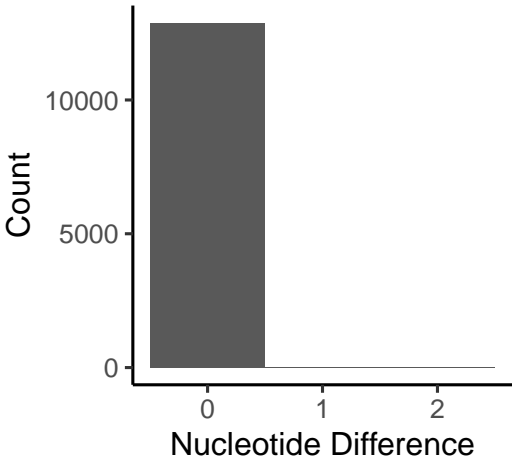
TRBV12-1*ap01

294 sequences assigned
294 (100%) exact matches, in which:
294 unique CDR3
12 unique J



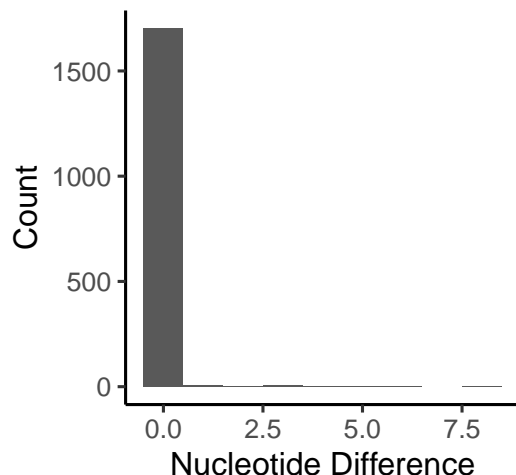
TRBV12-34*ap01

12905 sequences assigned
12884 (99.8%) exact matches, in which:
12880 unique CDR3
13 unique J



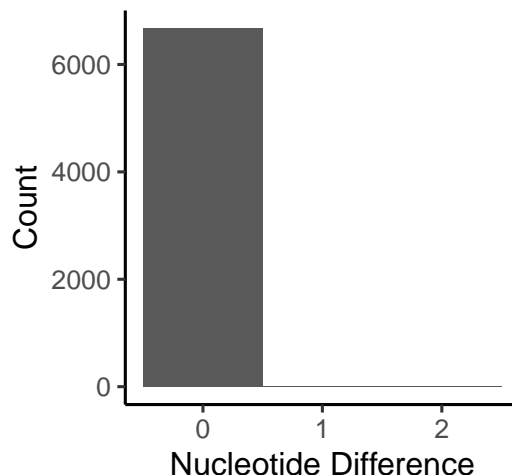
TRBV23-1*ap01

1719 sequences assigned
1702 (99%) exact matches, in which:
1702 unique CDR3
12 unique J



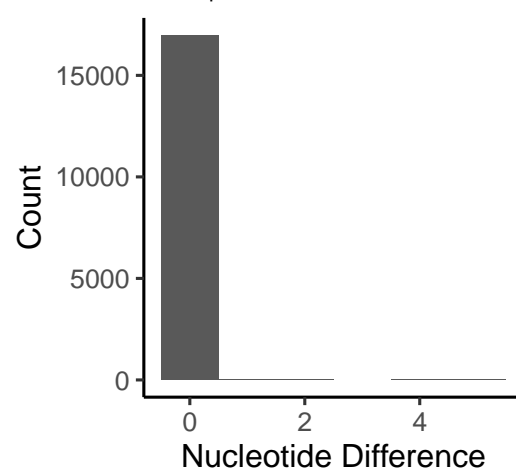
TRBV4-1*ap01

6682 sequences assigned
6672 (99.9%) exact matches, in which:
6670 unique CDR3
13 unique J



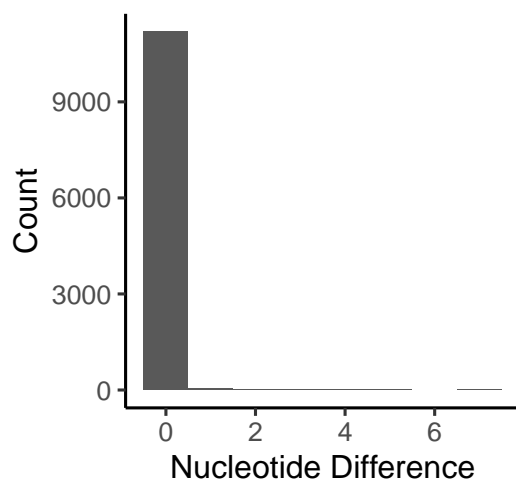
TRBV5-1*ap01

17009 sequences assigned
16981 (99.8%) exact matches, in which:
16941 unique CDR3
13 unique J



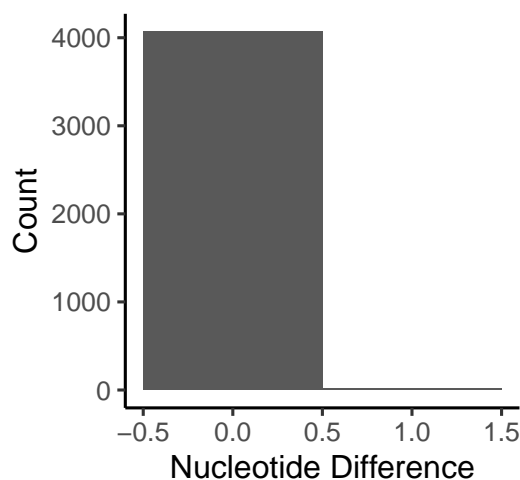
TRBV3-12*ap01

11253 sequences assigned
11191 (99.4%) exact matches, in which:
11167 unique CDR3
13 unique J



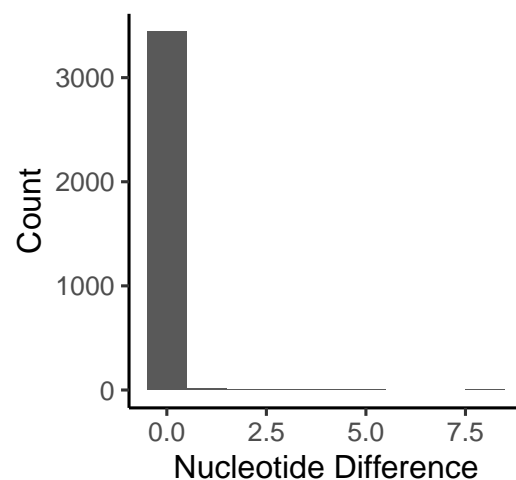
TRBV4-2*ap01

4085 sequences assigned
4068 (99.6%) exact matches, in which:
4064 unique CDR3
12 unique J



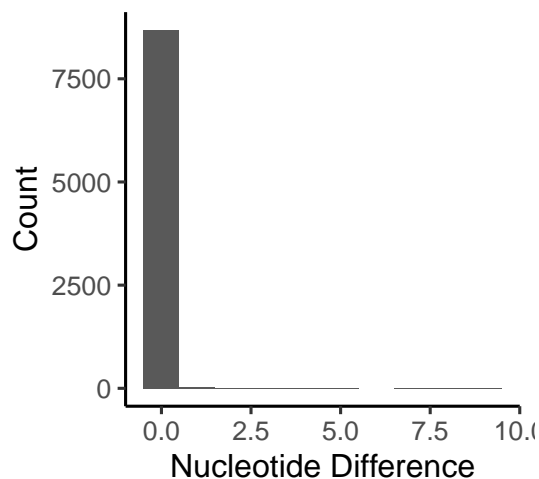
TRBV25-1*ap01

3462 sequences assigned
3441 (99.4%) exact matches, in which:
3431 unique CDR3
13 unique J



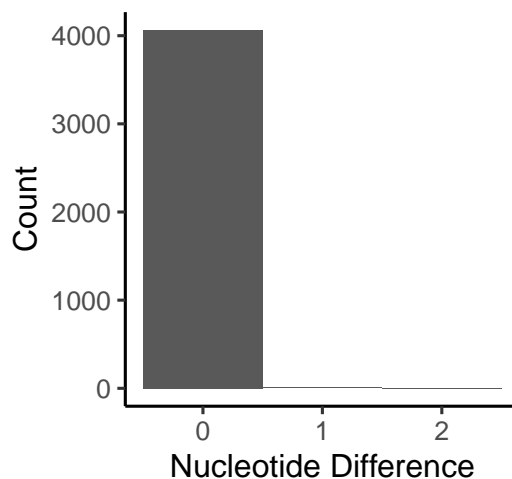
TRBV24-1*ap01

8725 sequences assigned
8681 (99.5%) exact matches, in which:
8664 unique CDR3
13 unique J



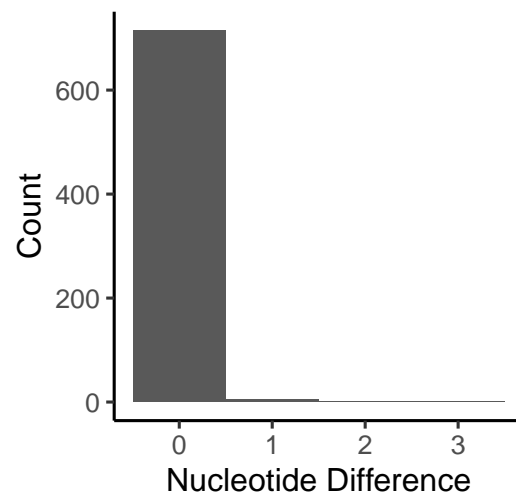
TRBV4-3*ap01

4073 sequences assigned
4064 (99.8%) exact matches, in which:
4063 unique CDR3
12 unique J



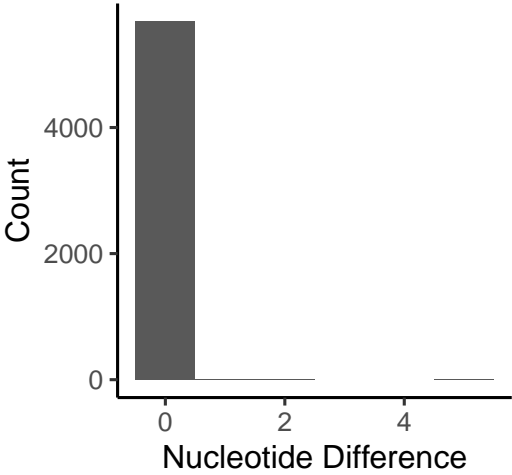
TRBV5-3*ap01

722 sequences assigned
715 (99%) exact matches, in which:
715 unique CDR3
12 unique J



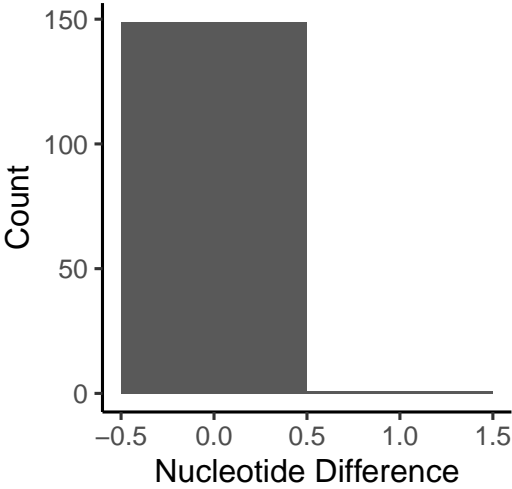
TRBV5-4*ap01

5696 sequences assigned
5683 (99.8%) exact matches, in which:
5680 unique CDR3
13 unique J



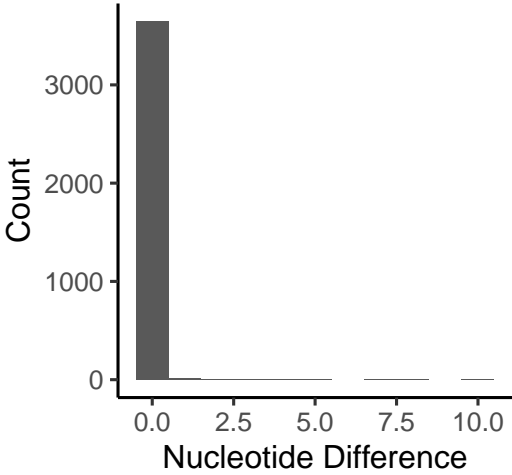
TRBV5-7*ap01

150 sequences assigned
149 (99.3%) exact matches, in which:
149 unique CDR3
12 unique J



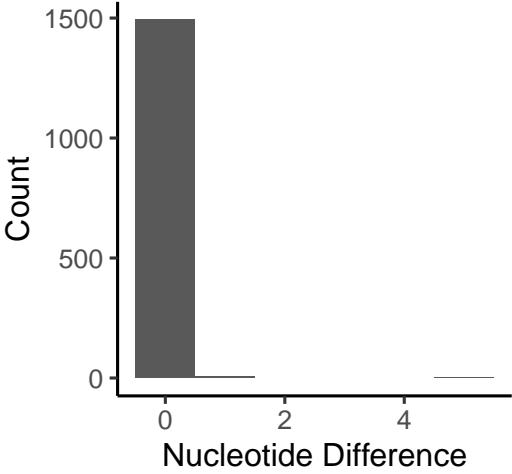
TRBV6-4*ap01

3671 sequences assigned
3646 (99.3%) exact matches, in which:
3642 unique CDR3
13 unique J



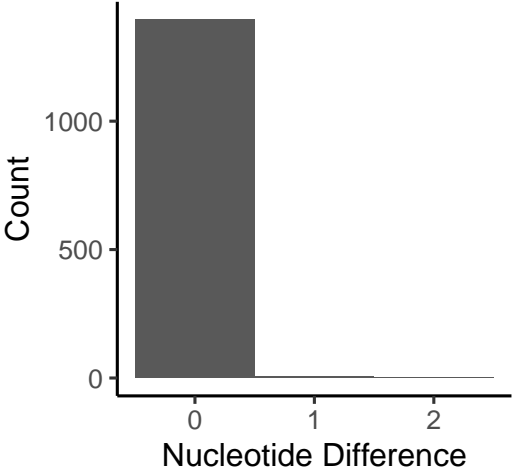
TRBV5-5*ap01

1499 sequences assigned
1493 (99.6%) exact matches, in which:
1491 unique CDR3
12 unique J



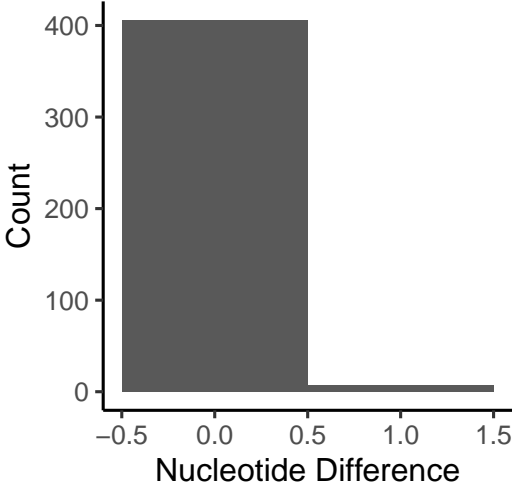
TRBV5-8*ap01

1401 sequences assigned
1395 (99.6%) exact matches, in which:
1395 unique CDR3
12 unique J



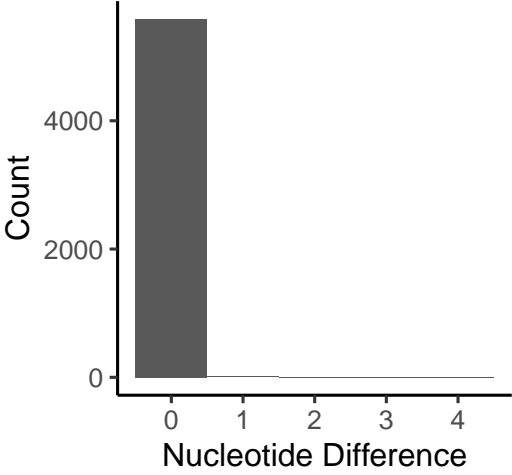
TRBV6-7*ap01

413 sequences assigned
406 (98.3%) exact matches, in which:
406 unique CDR3
12 unique J



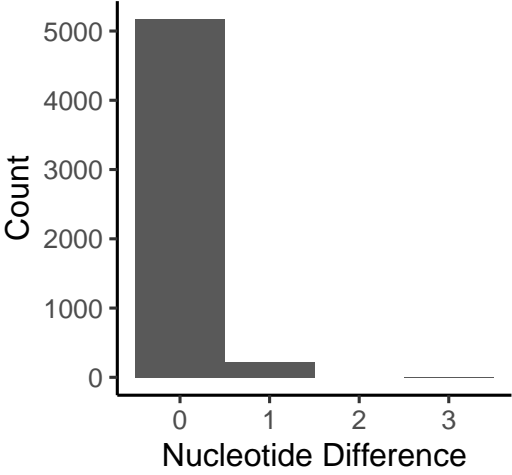
TRBV5-6*ap01

5601 sequences assigned
5586 (99.7%) exact matches, in which:
5569 unique CDR3
13 unique J



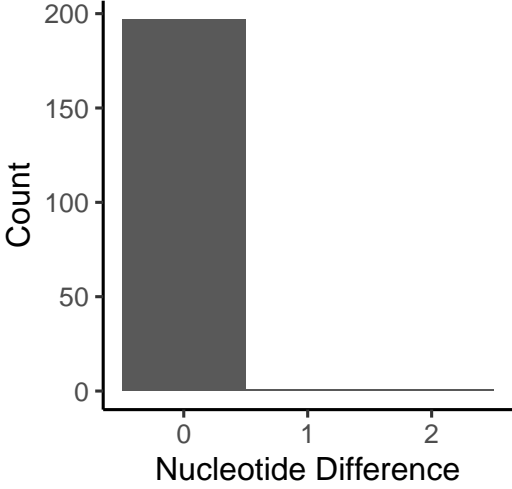
TRBV6-1*ap01

5395 sequences assigned
5173 (95.9%) exact matches, in which:
5167 unique CDR3
13 unique J



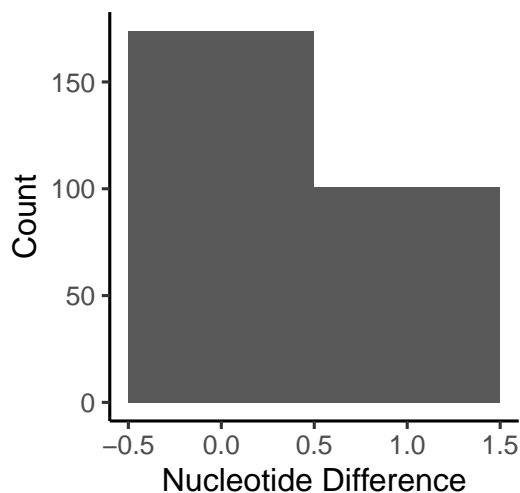
TRBV6-8*ap01

199 sequences assigned
197 (99%) exact matches, in which:
197 unique CDR3
12 unique J



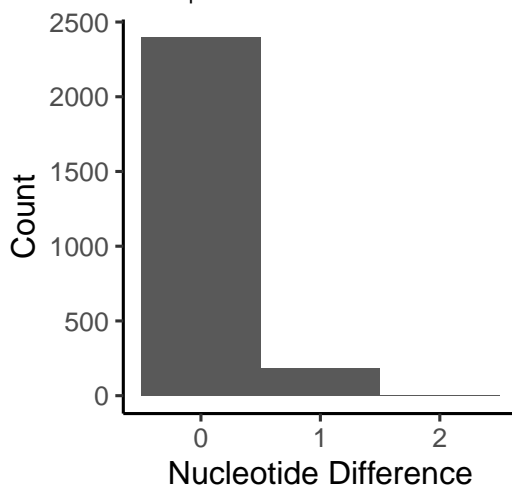
TRBV6–9*ap01

275 sequences assigned
174 (63.3%) exact matches, in which:
174 unique CDR3
12 unique J



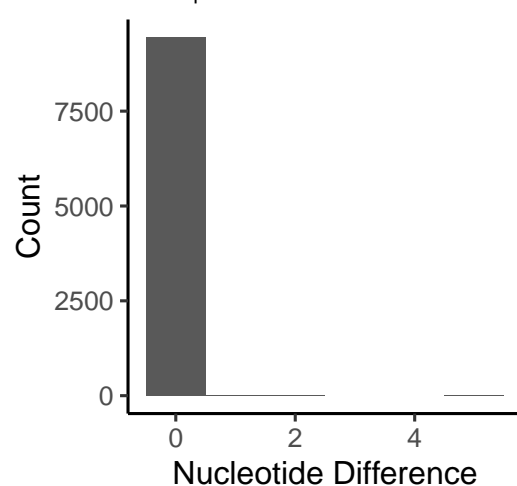
TRBV6–56*ap02

2585 sequences assigned
2397 (92.7%) exact matches, in which:
2391 unique CDR3
13 unique J



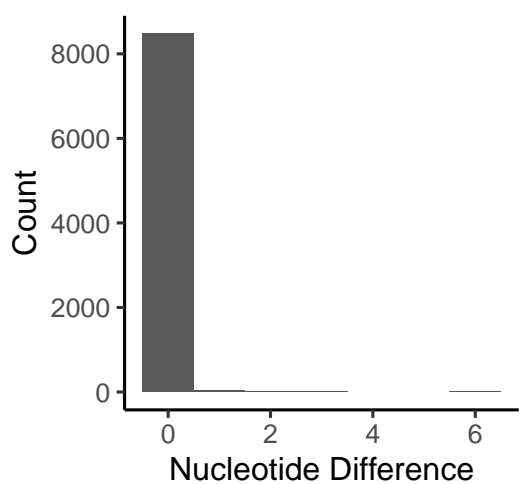
TRBV7–2*ap01

9461 sequences assigned
9444 (99.8%) exact matches, in which:
9441 unique CDR3
12 unique J



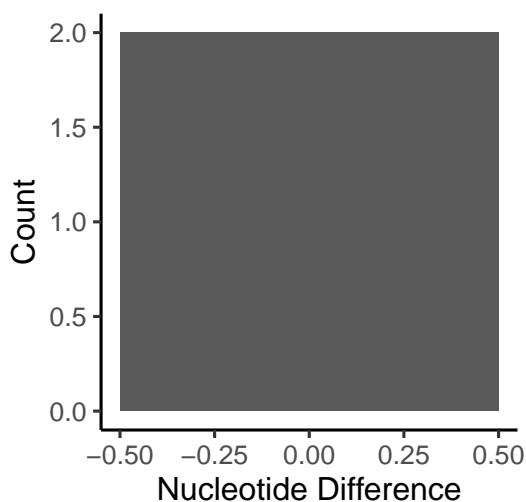
TRBV6–23*ap01

8505 sequences assigned
8476 (99.7%) exact matches, in which:
8454 unique CDR3
13 unique J



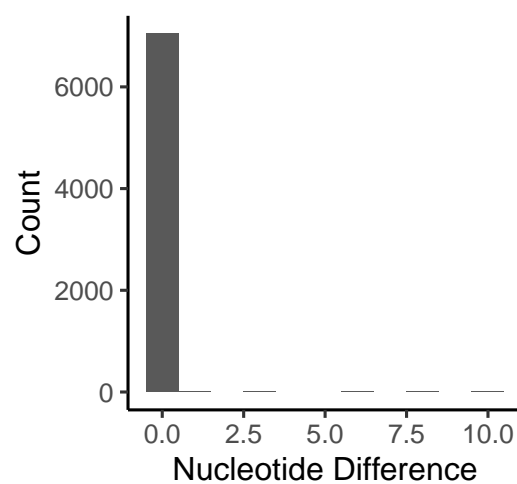
TRBV7–1*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



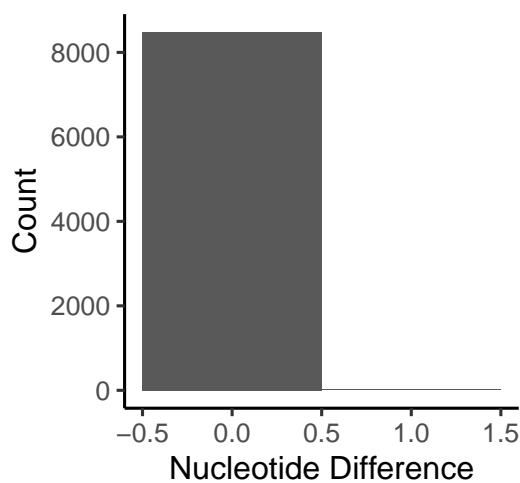
TRBV7–3*ap01

7064 sequences assigned
7045 (99.7%) exact matches, in which:
7038 unique CDR3
13 unique J



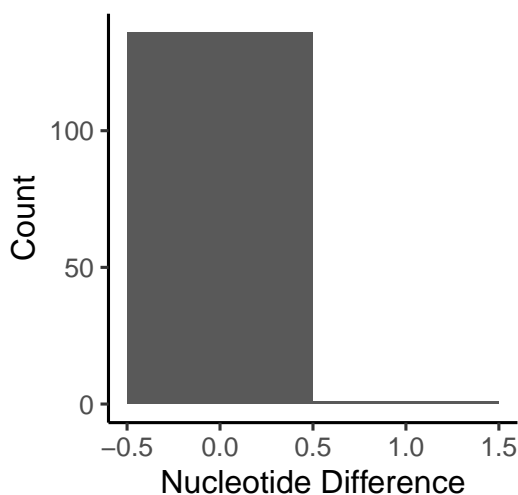
TRBV6–56*ap01

8503 sequences assigned
8482 (99.8%) exact matches, in which:
8466 unique CDR3
13 unique J



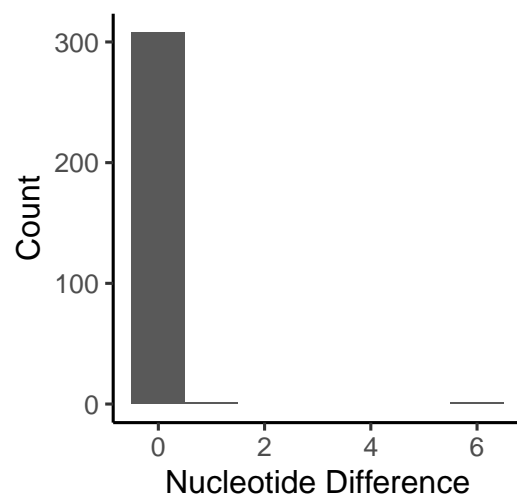
TRBV7–1*ap01_G291C_

137 sequences assigned
136 (99.3%) exact matches, in which:
136 unique CDR3
12 unique J



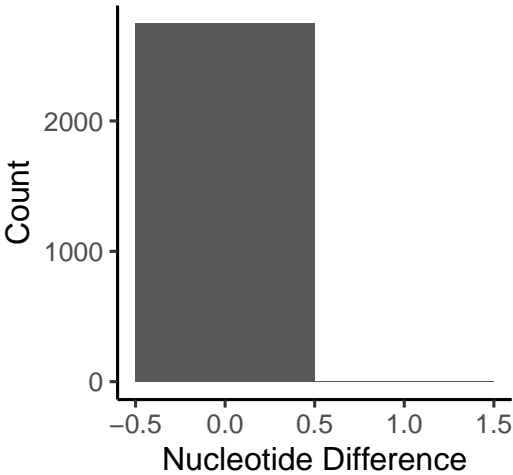
TRBV7–4*ap01

310 sequences assigned
308 (99.4%) exact matches, in which:
308 unique CDR3
12 unique J



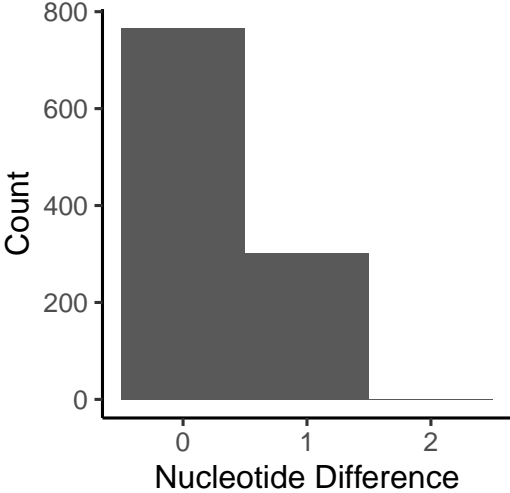
TRBV7-6*ap01

2749 sequences assigned
2748 (100%) exact matches, in which:
2748 unique CDR3
12 unique J



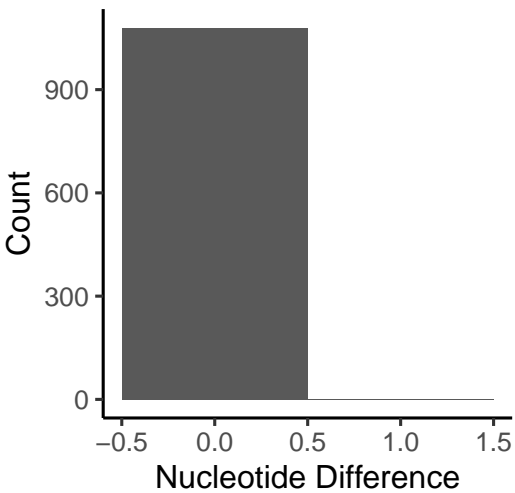
TRBV7-8*ap03

1070 sequences assigned
767 (71.7%) exact matches, in which:
767 unique CDR3
12 unique J



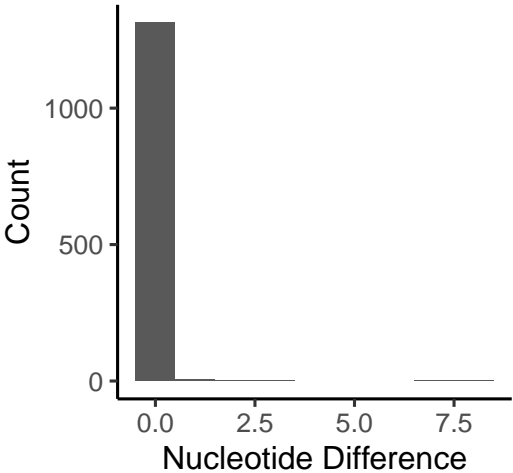
TRBV29-1*ap02

1082 sequences assigned
1080 (99.8%) exact matches, in which:
1076 unique CDR3
12 unique J



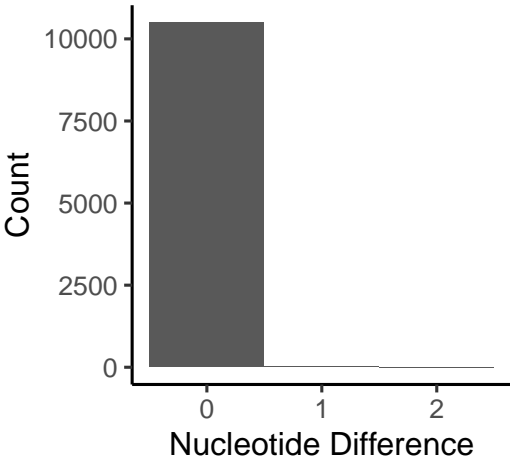
TRBV7-7*ap01_C315T

1322 sequences assigned
1313 (99.3%) exact matches, in which:
1312 unique CDR3
13 unique J



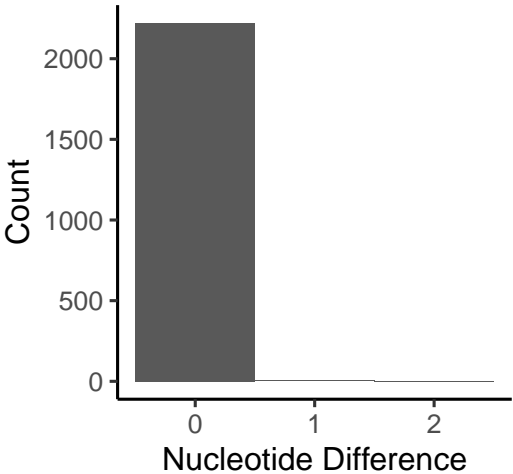
TRBV7-9*ap01

10517 sequences assigned
10500 (99.8%) exact matches, in which:
10495 unique CDR3
13 unique J



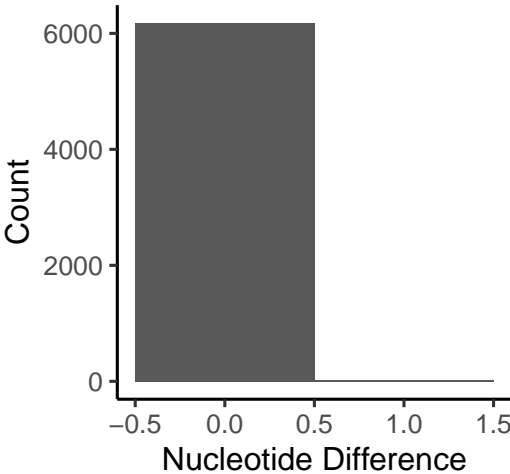
TRBV7-8*ap01

2226 sequences assigned
2221 (99.8%) exact matches, in which:
2220 unique CDR3
12 unique J

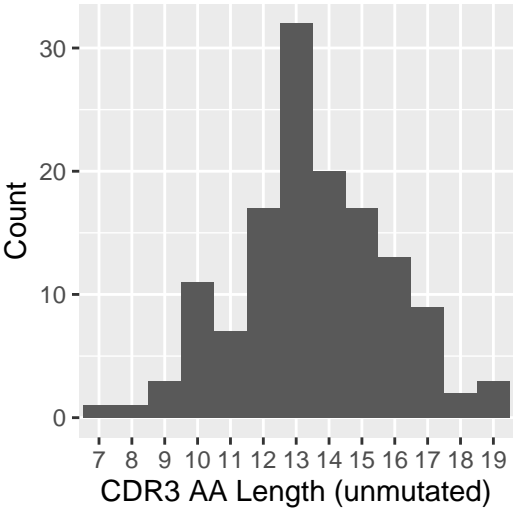


TRBV29-1*ap01

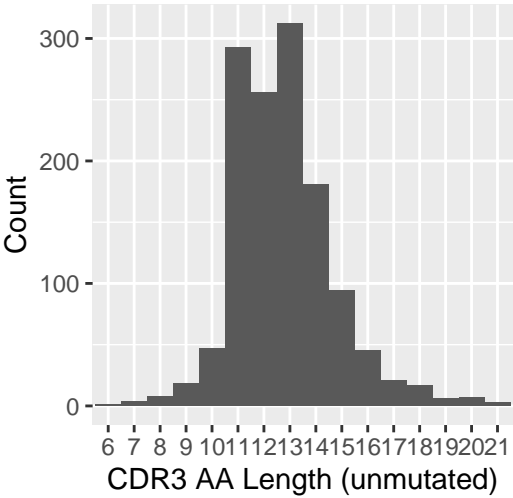
6202 sequences assigned
6178 (99.6%) exact matches, in which:
6151 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]