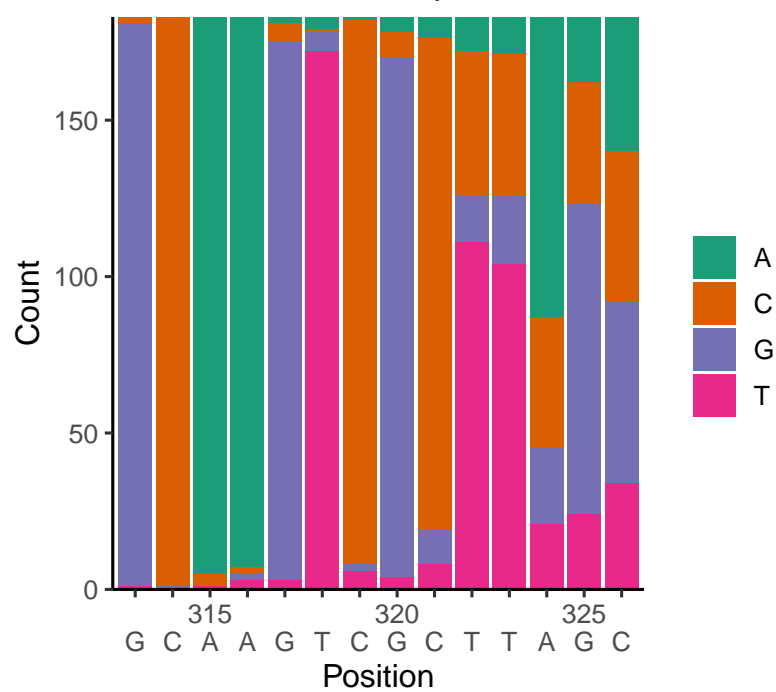
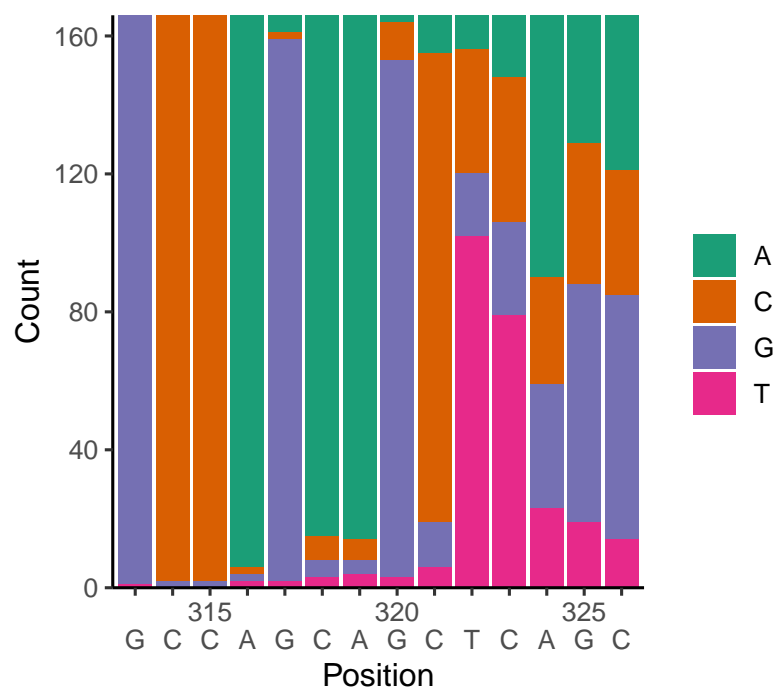


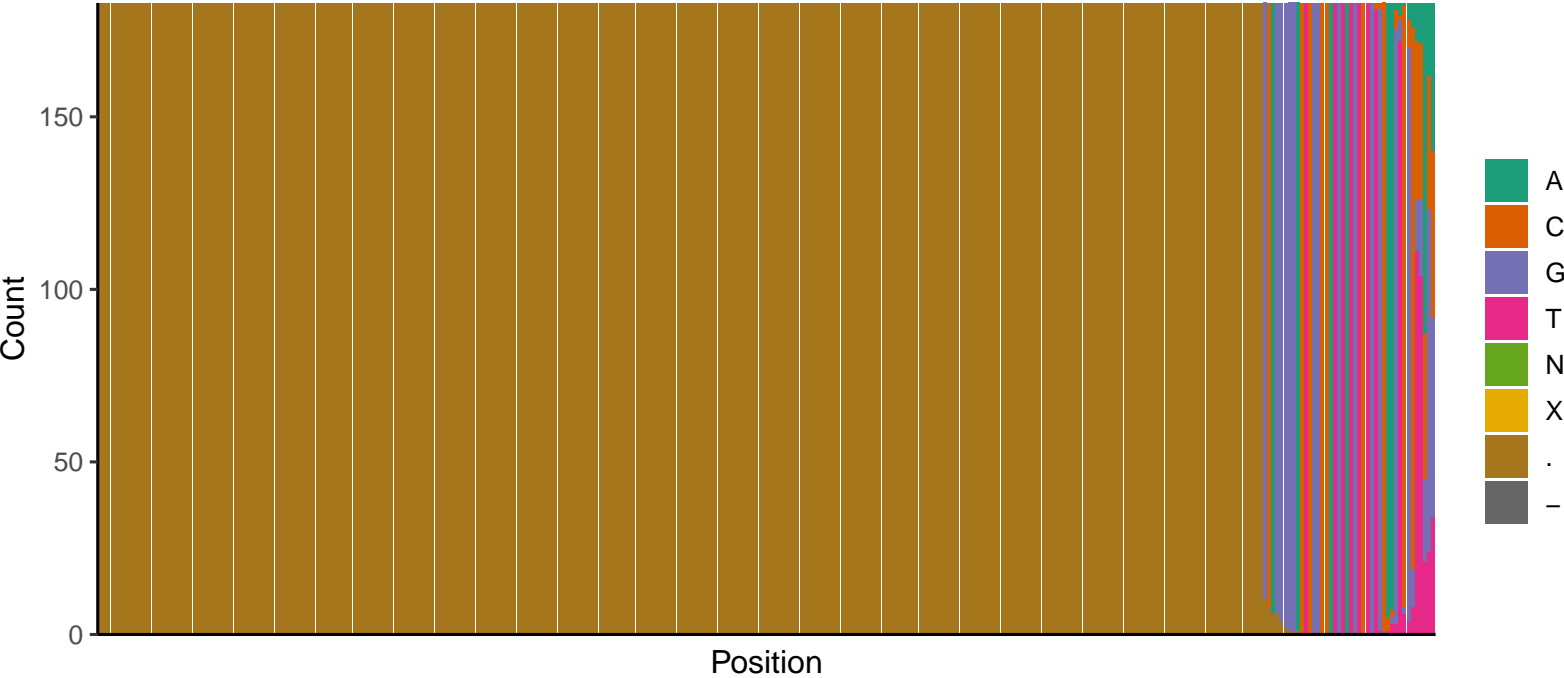
Gene TRBV12-2*ap01_G301A



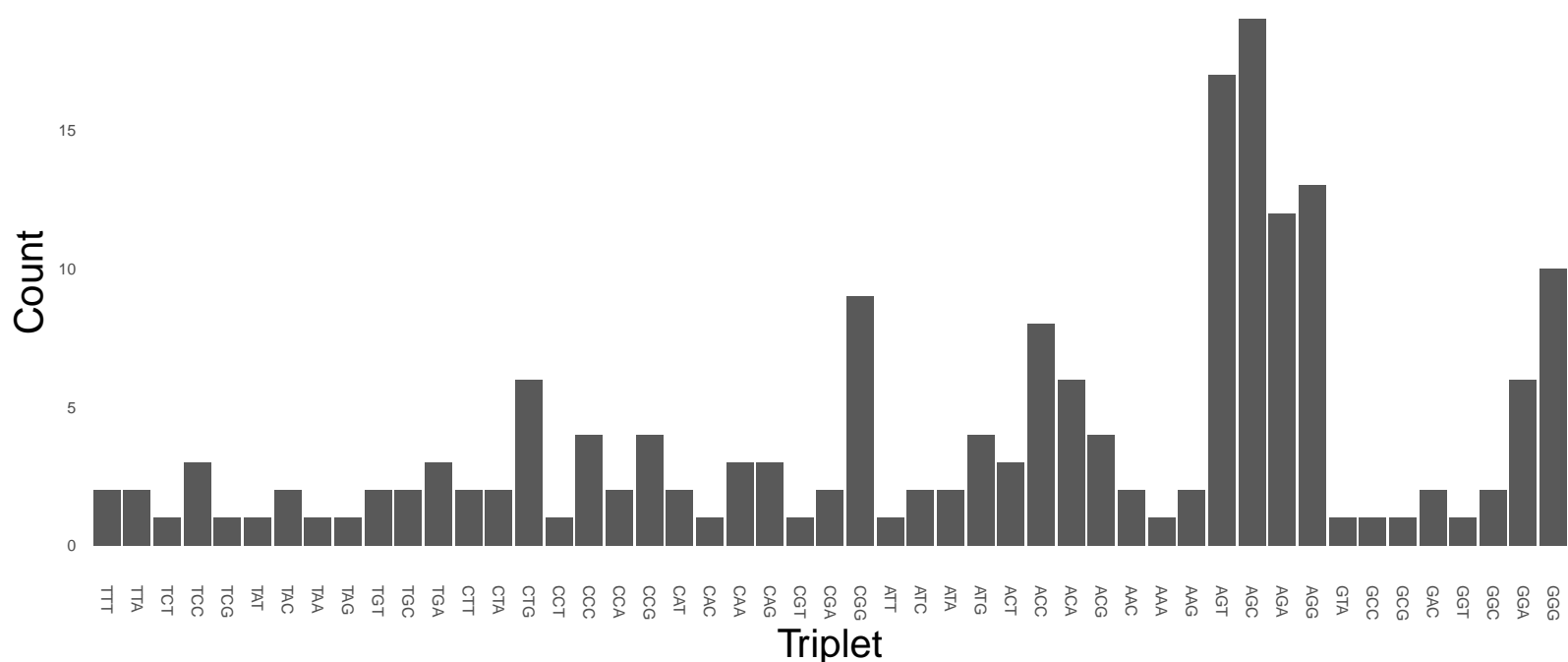
Gene TRBV7-1*ap01_G291C_T296C



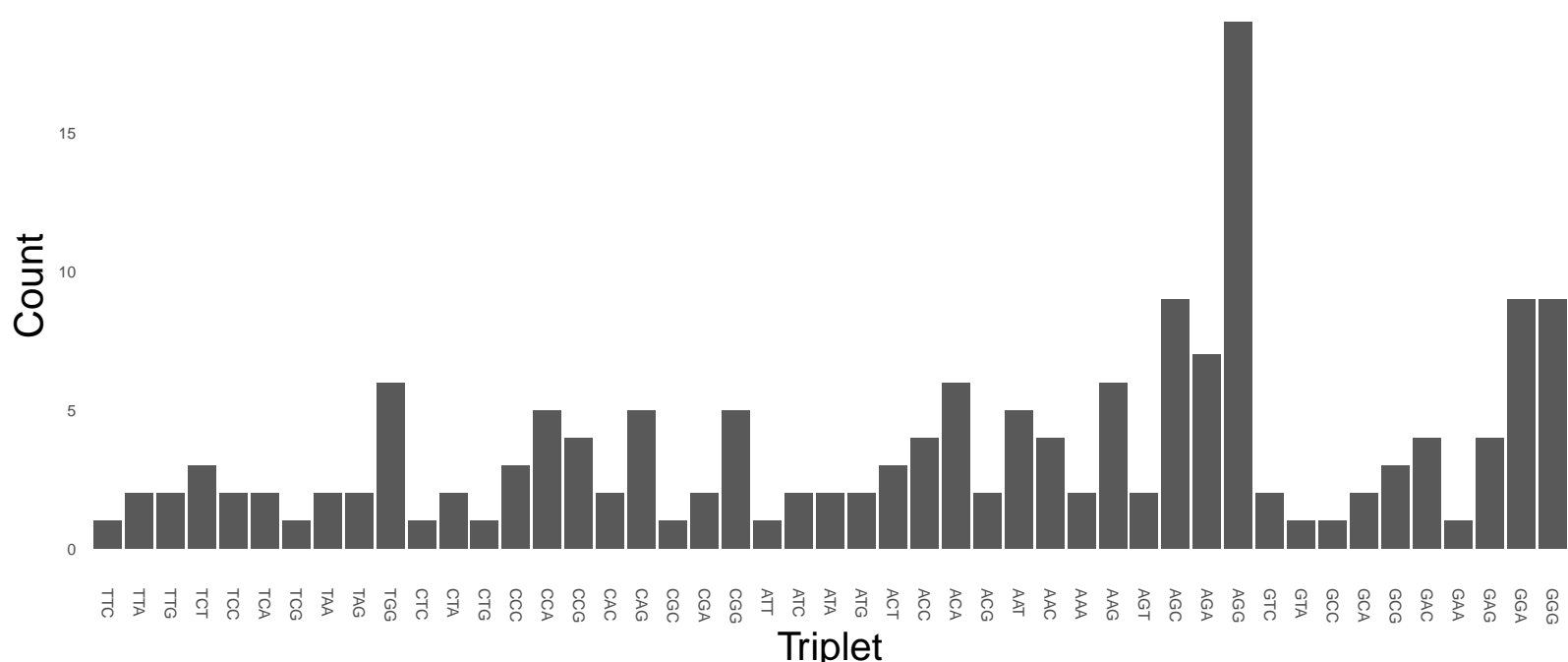
Gene TRBV12-2*ap01_G301A



TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet

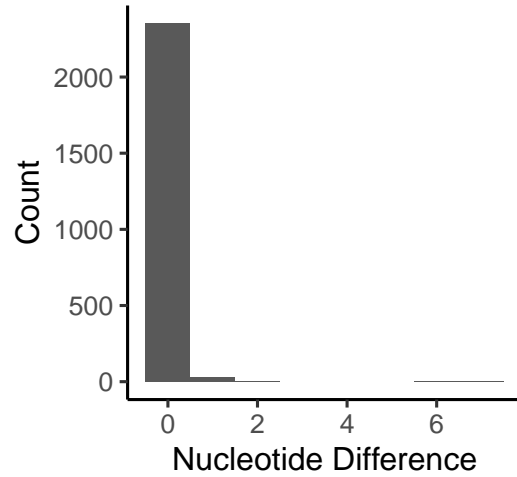


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



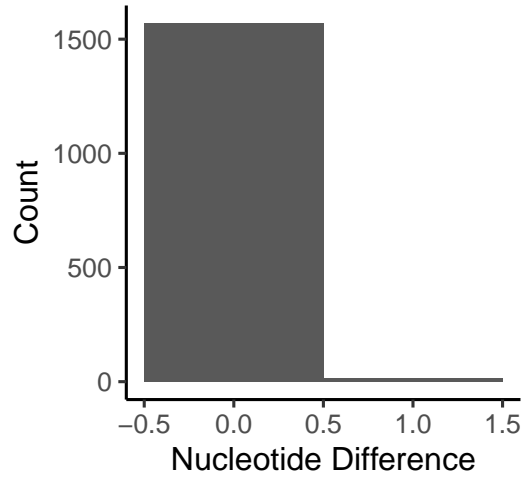
TRBV10-1*ap01

2391 sequences assigned
2352 (98.4%) exact matches, in which:
2318 unique CDR3
13 unique J



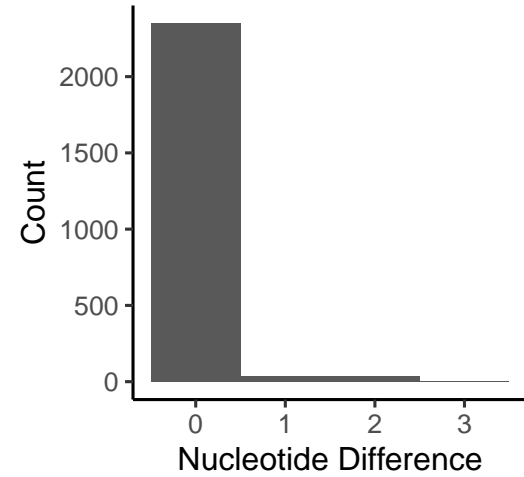
TRBV10-2*ap01

1584 sequences assigned
1569 (99.1%) exact matches, in which:
1548 unique CDR3
13 unique J



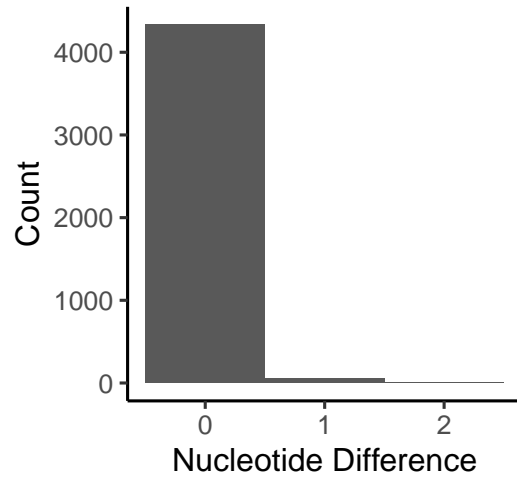
TRBV13*ap01

2419 sequences assigned
2349 (97.1%) exact matches, in which:
2304 unique CDR3
13 unique J



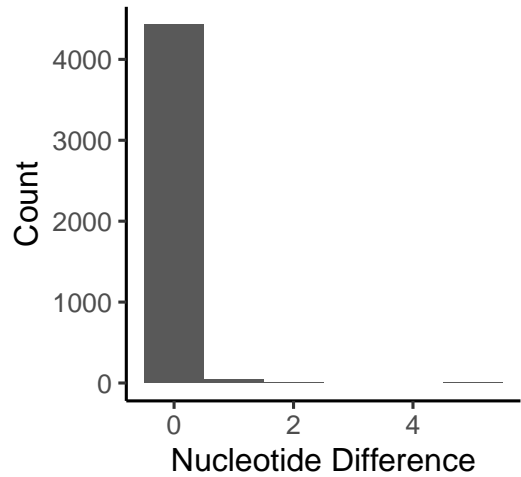
TRBV20-1*ap01

4389 sequences assigned
4333 (98.7%) exact matches, in which:
4283 unique CDR3
13 unique J



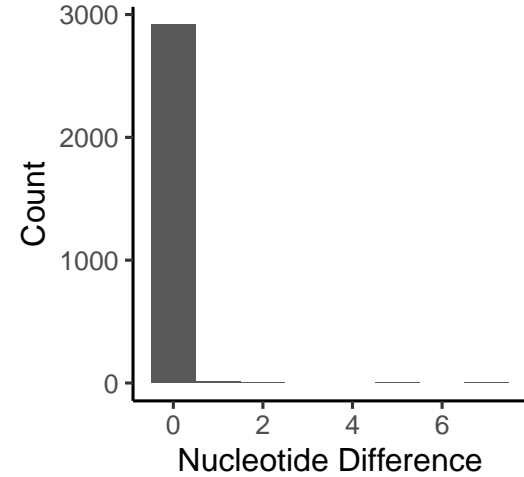
TRBV10-3*ap01

4469 sequences assigned
4428 (99.1%) exact matches, in which:
4359 unique CDR3
13 unique J



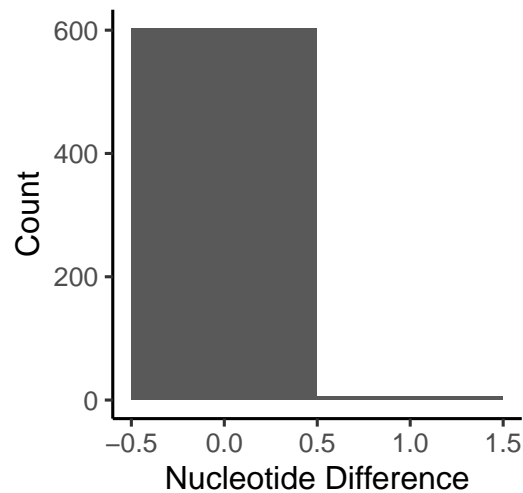
TRBV14*ap01

2937 sequences assigned
2917 (99.3%) exact matches, in which:
2878 unique CDR3
13 unique J



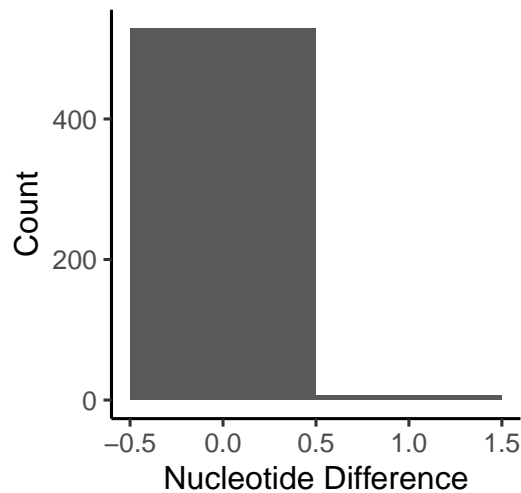
TRBV20-1*ap02

609 sequences assigned
603 (99%) exact matches, in which:
595 unique CDR3
13 unique J



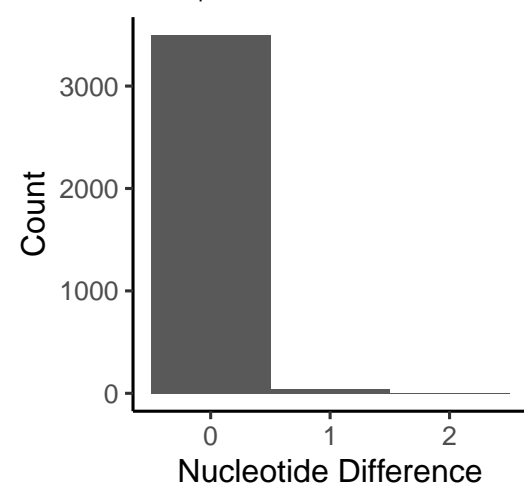
TRBV1*ap01

536 sequences assigned
529 (98.7%) exact matches, in which:
517 unique CDR3
13 unique J



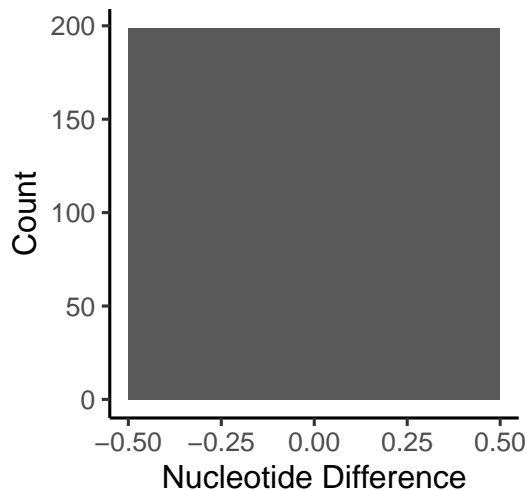
TRBV15*ap02

3542 sequences assigned
3498 (98.8%) exact matches, in which:
3454 unique CDR3
13 unique J



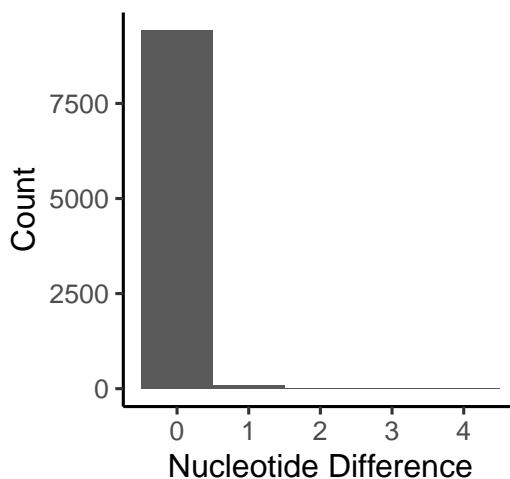
TRBV16*ap01

199 sequences assigned
199 (100%) exact matches, in which:
199 unique CDR3
13 unique J



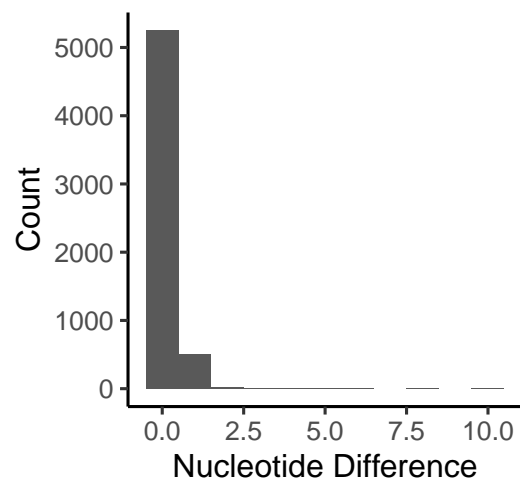
TRBV2*ap01

9521 sequences assigned
9420 (98.9%) exact matches, in which:
9276 unique CDR3
13 unique J



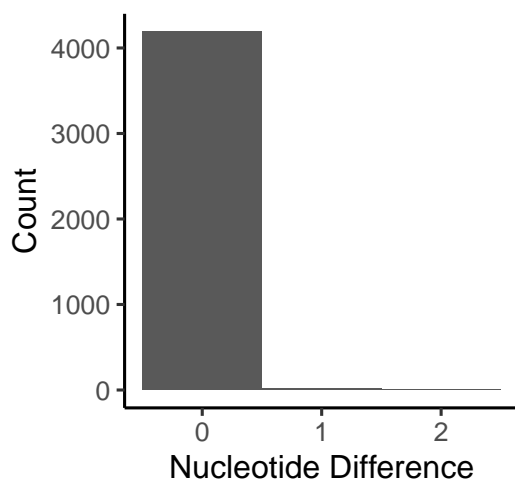
TRBV30*ap01

5785 sequences assigned
5250 (90.8%) exact matches, in which:
5126 unique CDR3
13 unique J



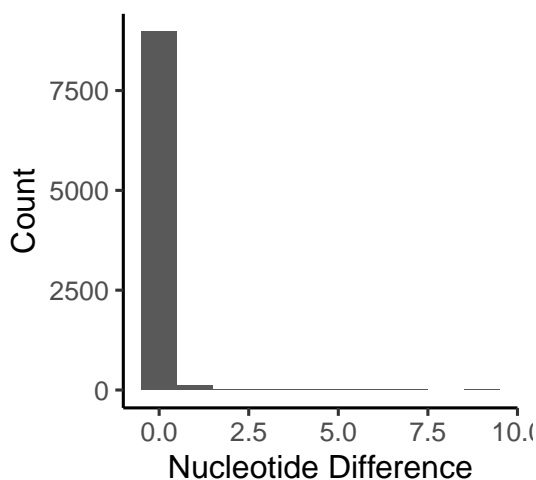
TRBV18*ap01

4209 sequences assigned
4190 (99.5%) exact matches, in which:
4165 unique CDR3
13 unique J



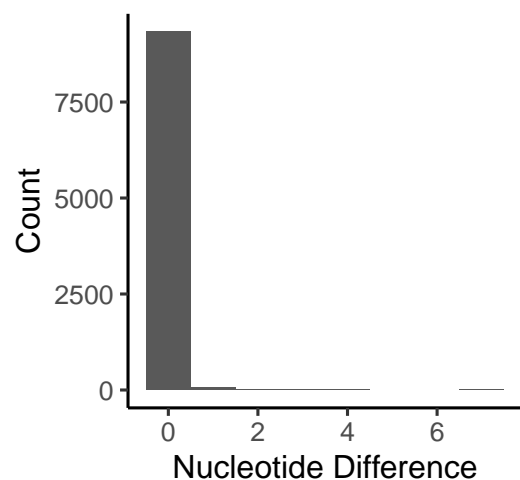
TRBV27*ap01

9103 sequences assigned
8973 (98.6%) exact matches, in which:
8843 unique CDR3
13 unique J



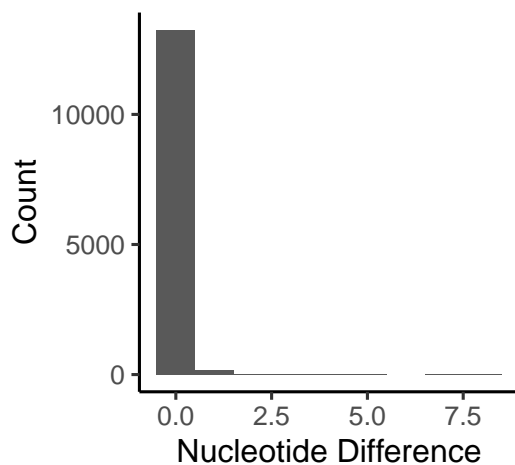
TRBV9*ap01

9399 sequences assigned
9331 (99.3%) exact matches, in which:
9259 unique CDR3
13 unique J



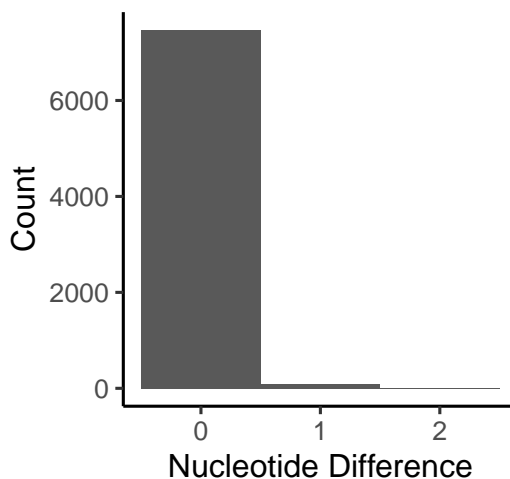
TRBV19*ap01

13424 sequences assigned
13252 (98.7%) exact matches, in which:
13164 unique CDR3
13 unique J



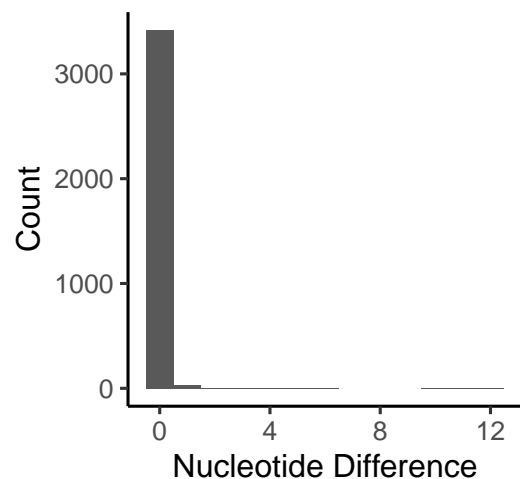
TRBV28*ap01

7561 sequences assigned
7468 (98.8%) exact matches, in which:
7396 unique CDR3
13 unique J



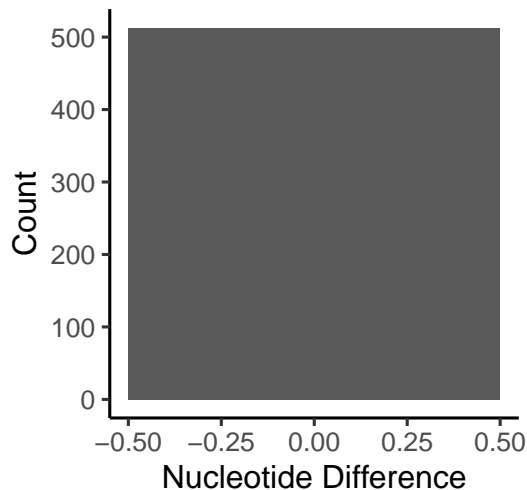
TRBV21-1*ap01

3472 sequences assigned
3418 (98.4%) exact matches, in which:
3403 unique CDR3
13 unique J



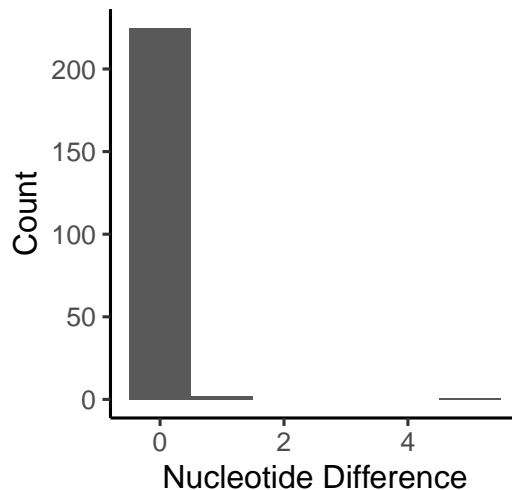
TRBV11-1*ap01

513 sequences assigned
513 (100%) exact matches, in which:
507 unique CDR3
13 unique J



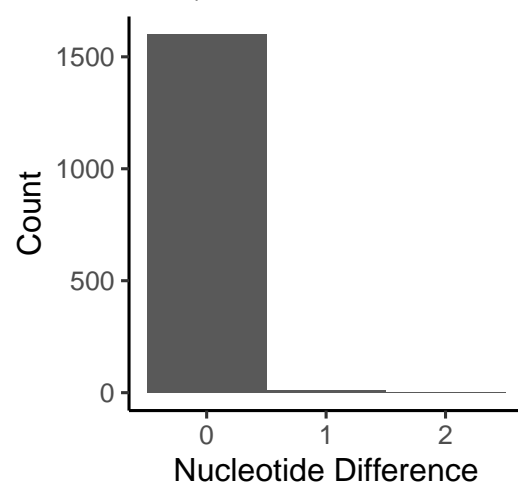
TRBV12-1*ap01

228 sequences assigned
225 (98.7%) exact matches, in which:
223 unique CDR3
13 unique J



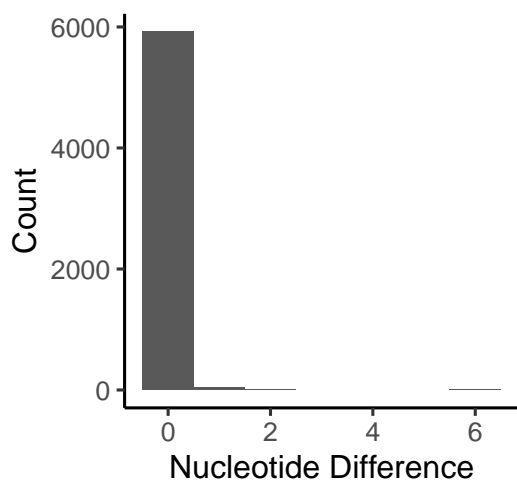
TRBV12-5*ap01

1613 sequences assigned
1600 (99.2%) exact matches, in which:
1566 unique CDR3
13 unique J



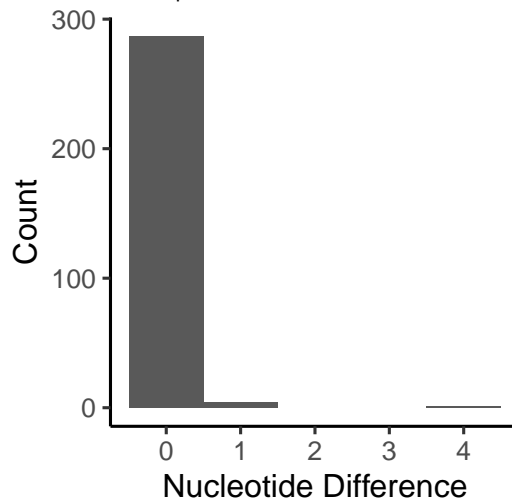
TRBV11-2*ap01

5963 sequences assigned
5921 (99.3%) exact matches, in which:
5878 unique CDR3
13 unique J



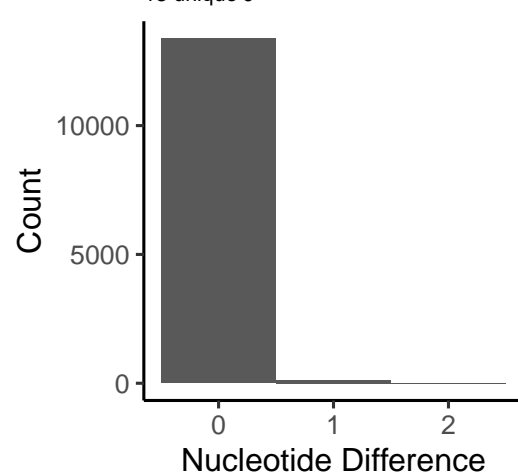
TRBV12-2*ap01

292 sequences assigned
287 (98.3%) exact matches, in which:
281 unique CDR3
13 unique J



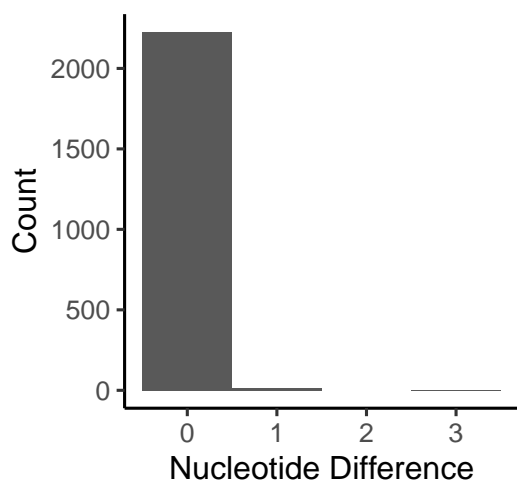
TRBV12-34*ap01

13507 sequences assigned
13381 (99.1%) exact matches, in which:
13192 unique CDR3
13 unique J



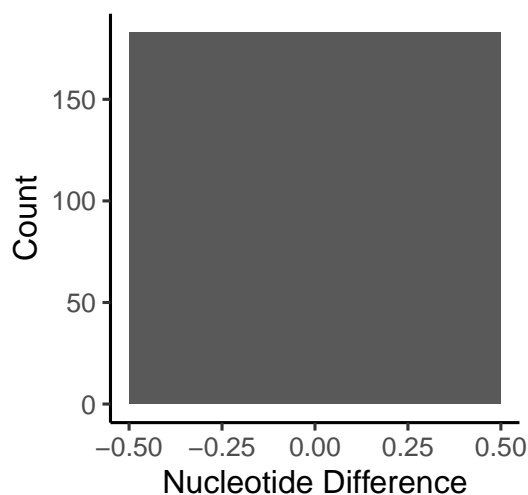
TRBV11-3*ap01

2241 sequences assigned
2226 (99.3%) exact matches, in which:
2216 unique CDR3
13 unique J



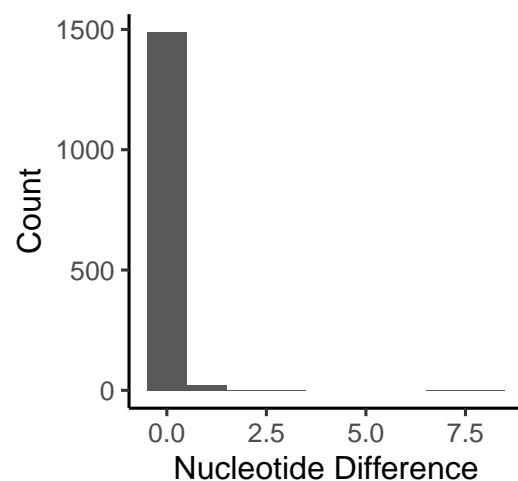
TRBV12-2*ap01_G301A

183 sequences assigned
183 (100%) exact matches, in which:
179 unique CDR3
13 unique J



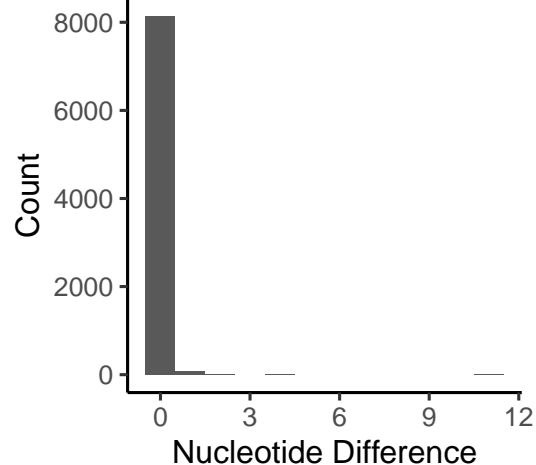
TRBV23-1*ap01

1517 sequences assigned
1489 (98.2%) exact matches, in which:
1474 unique CDR3
13 unique J



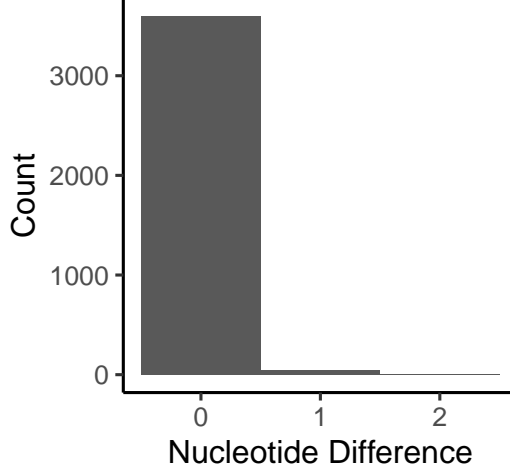
TRBV3-12*ap01

8207 sequences assigned
8134 (99.1%) exact matches, in which:
8067 unique CDR3
14 unique J



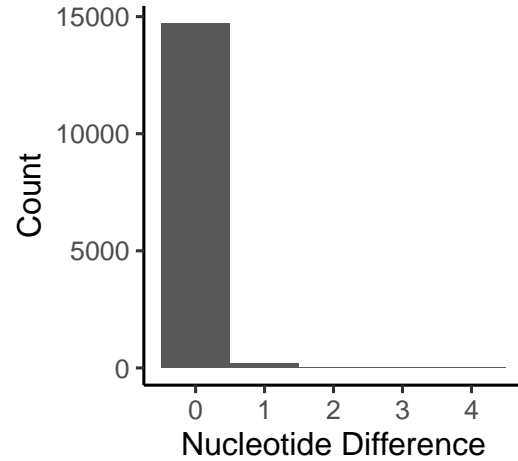
TRBV4-2*ap01

3638 sequences assigned
3595 (98.8%) exact matches, in which:
3531 unique CDR3
13 unique J



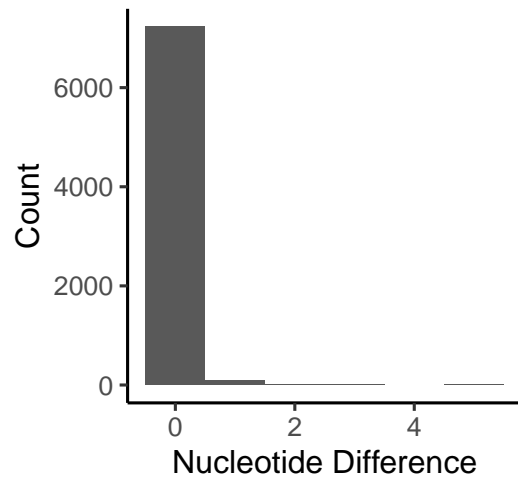
TRBV5-1*ap01

14917 sequences assigned
14721 (98.7%) exact matches, in which:
14454 unique CDR3
13 unique J



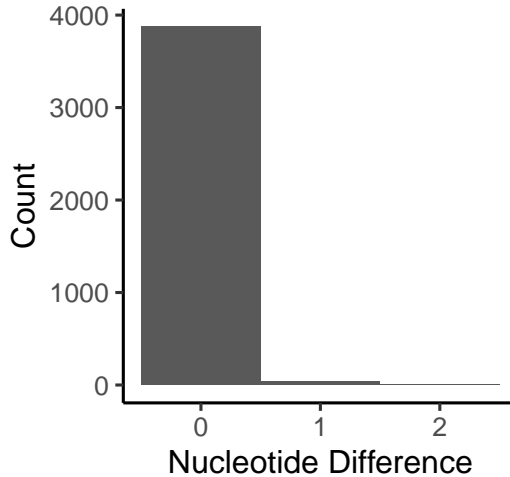
TRBV4-1*ap01

7332 sequences assigned
7229 (98.6%) exact matches, in which:
7092 unique CDR3
13 unique J



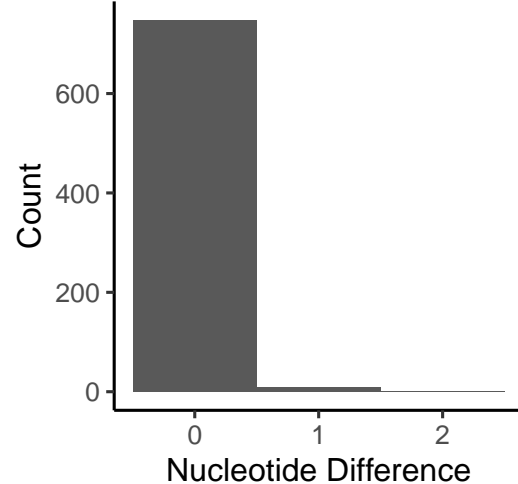
TRBV4-3*ap01

3919 sequences assigned
3874 (98.9%) exact matches, in which:
3798 unique CDR3
13 unique J



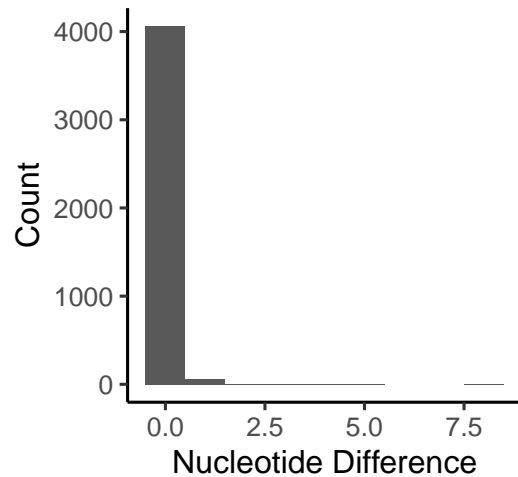
TRBV5-3*ap01

759 sequences assigned
748 (98.6%) exact matches, in which:
735 unique CDR3
13 unique J



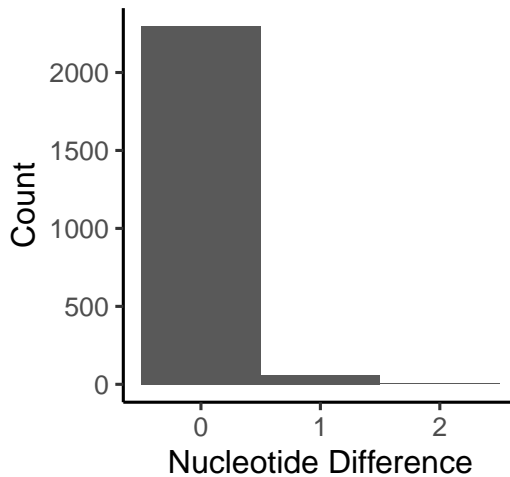
TRBV24-1*ap01

4131 sequences assigned
4063 (98.4%) exact matches, in which:
4010 unique CDR3
13 unique J



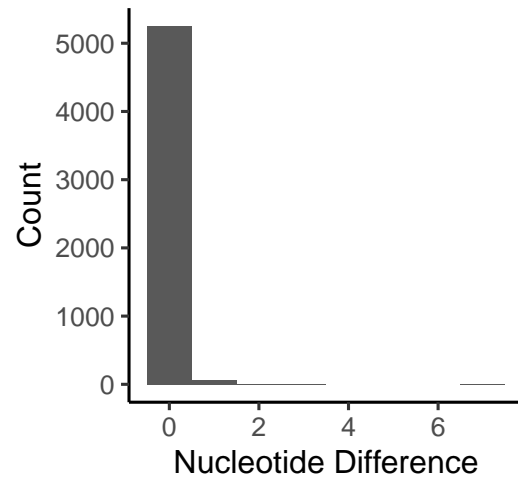
TRBV25-1*ap01

2363 sequences assigned
2298 (97.2%) exact matches, in which:
2245 unique CDR3
13 unique J



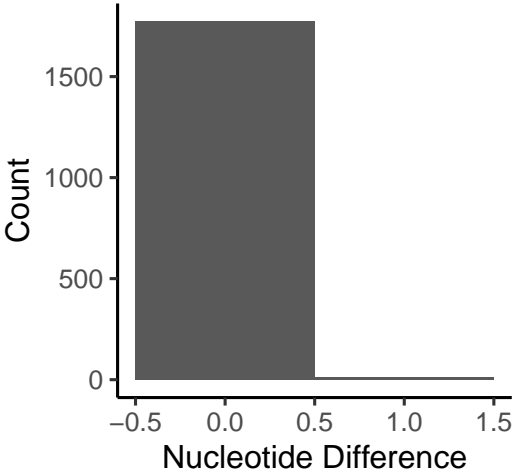
TRBV5-4*ap01

5314 sequences assigned
5252 (98.8%) exact matches, in which:
5164 unique CDR3
14 unique J



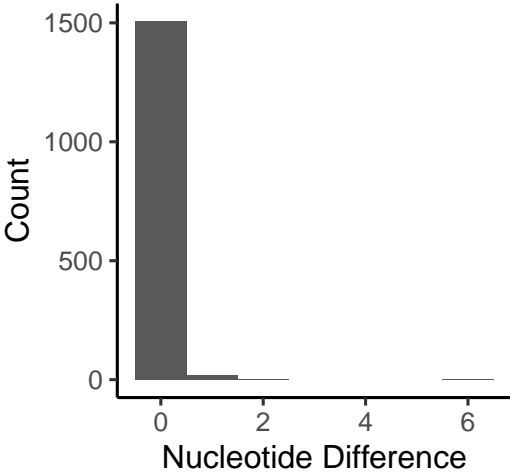
TRBV5-5*ap01

1785 sequences assigned
1773 (99.3%) exact matches, in which:
1767 unique CDR3
13 unique J



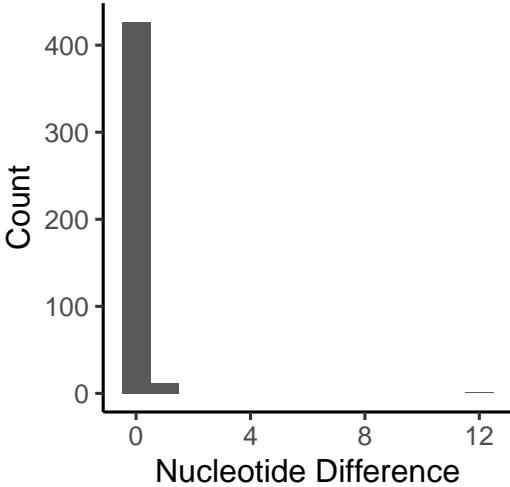
TRBV5-8*ap01

1529 sequences assigned
1506 (98.5%) exact matches, in which:
1492 unique CDR3
13 unique J



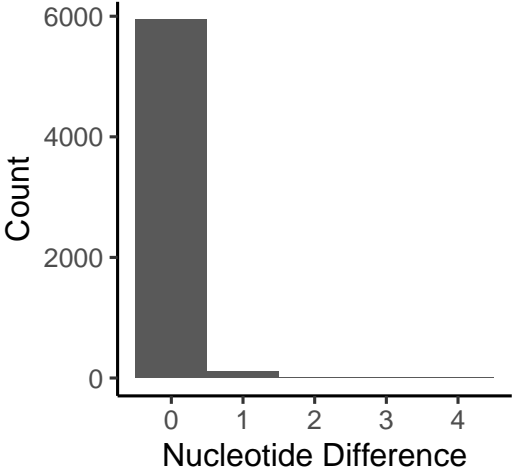
TRBV6-7*ap01

440 sequences assigned
427 (97%) exact matches, in which:
416 unique CDR3
13 unique J



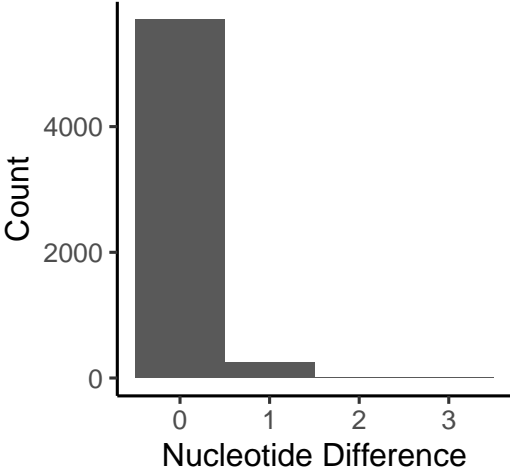
TRBV5-6*ap01

6062 sequences assigned
5942 (98%) exact matches, in which:
5796 unique CDR3
13 unique J



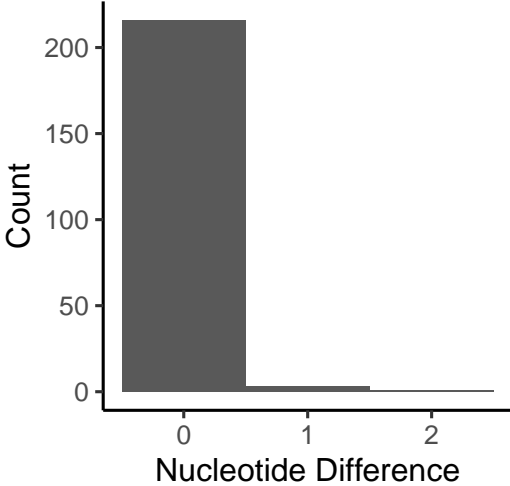
TRBV6-1*ap01

5960 sequences assigned
5701 (95.7%) exact matches, in which:
5586 unique CDR3
13 unique J



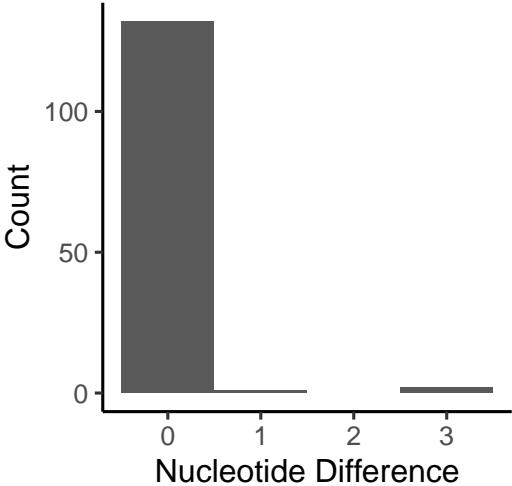
TRBV6-8*ap01

220 sequences assigned
216 (98.2%) exact matches, in which:
211 unique CDR3
12 unique J



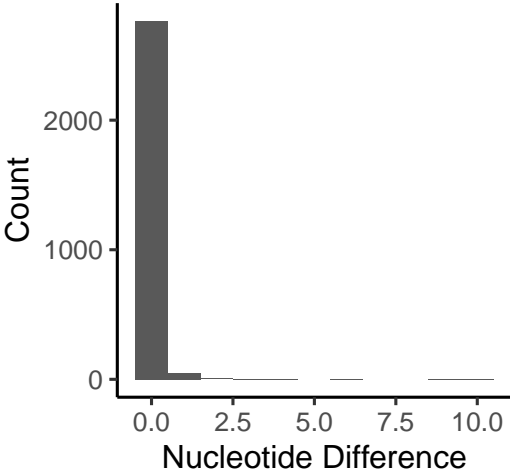
TRBV5-7*ap01

135 sequences assigned
132 (97.8%) exact matches, in which:
126 unique CDR3
13 unique J



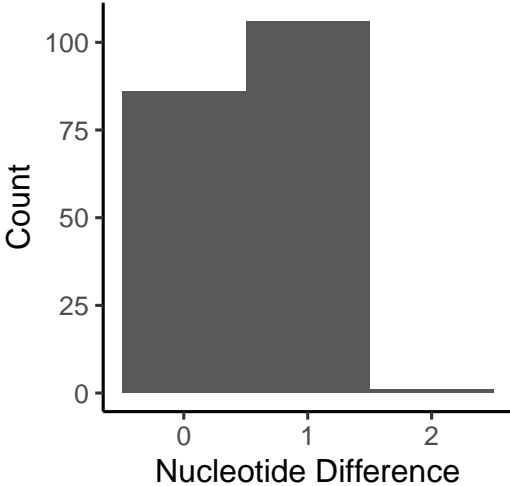
TRBV6-4*ap01

2824 sequences assigned
2765 (97.9%) exact matches, in which:
2727 unique CDR3
13 unique J



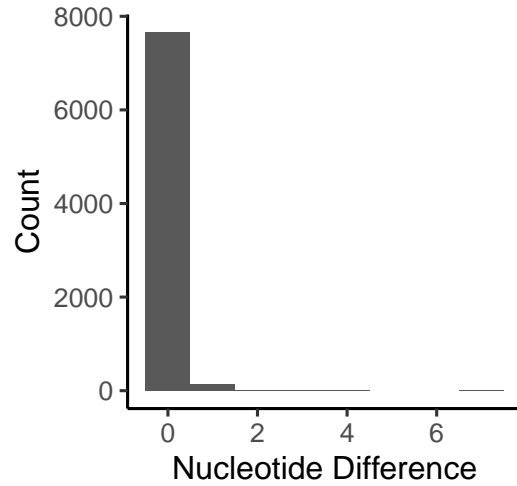
TRBV6-9*ap01

193 sequences assigned
86 (44.6%) exact matches, in which:
84 unique CDR3
13 unique J



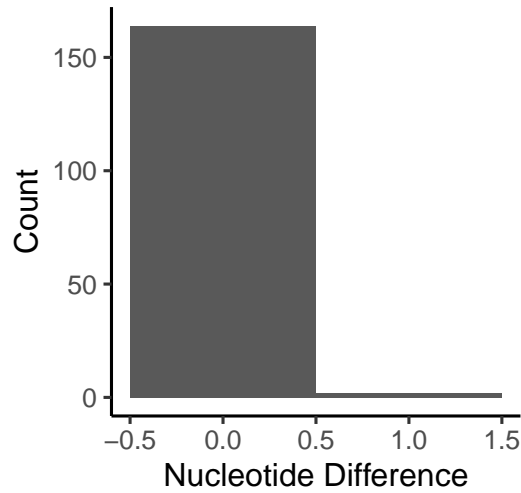
TRBV6-23*ap01

7799 sequences assigned
7656 (98.2%) exact matches, in which:
7457 unique CDR3
13 unique J



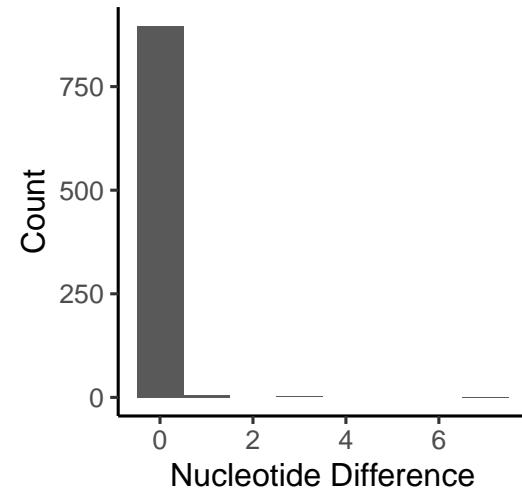
TRBV7-1*ap01_G291C_

166 sequences assigned
164 (98.8%) exact matches, in which:
163 unique CDR3
13 unique J



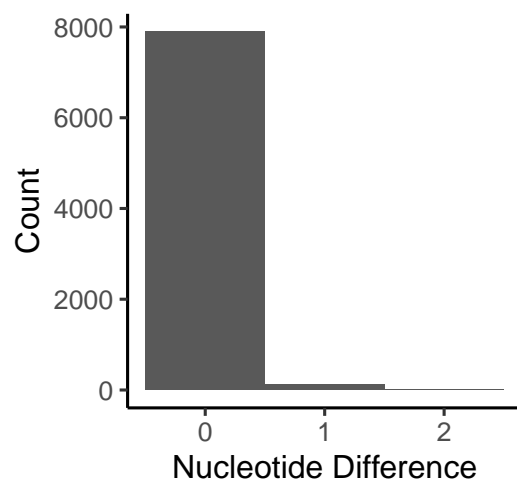
TRBV7-3*ap02

906 sequences assigned
897 (99%) exact matches, in which:
889 unique CDR3
13 unique J



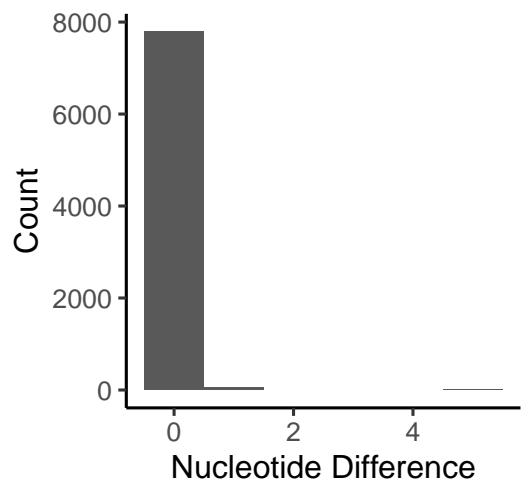
TRBV6-56*ap01

8014 sequences assigned
7895 (98.5%) exact matches, in which:
7729 unique CDR3
13 unique J



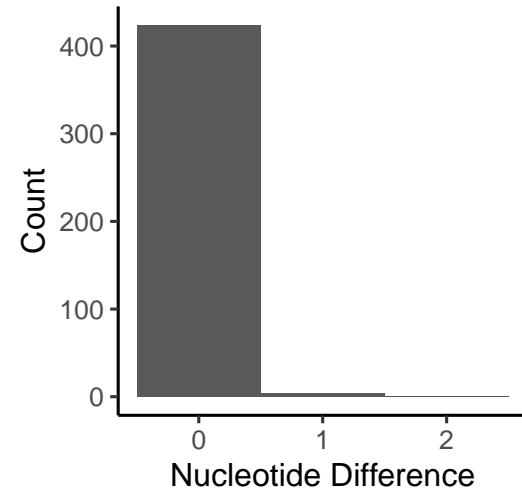
TRBV7-2*ap01

7844 sequences assigned
7790 (99.3%) exact matches, in which:
7709 unique CDR3
13 unique J



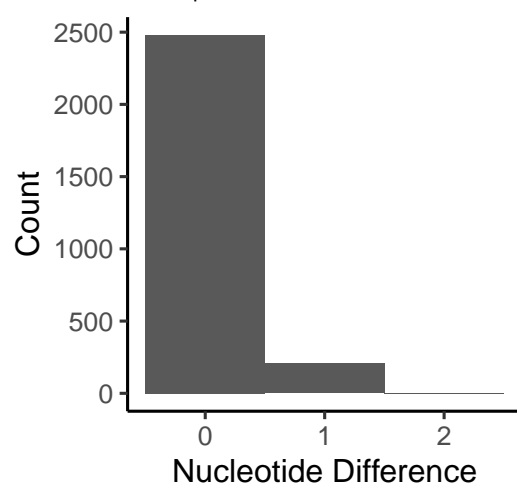
TRBV7-4*ap01

429 sequences assigned
424 (98.8%) exact matches, in which:
419 unique CDR3
13 unique J



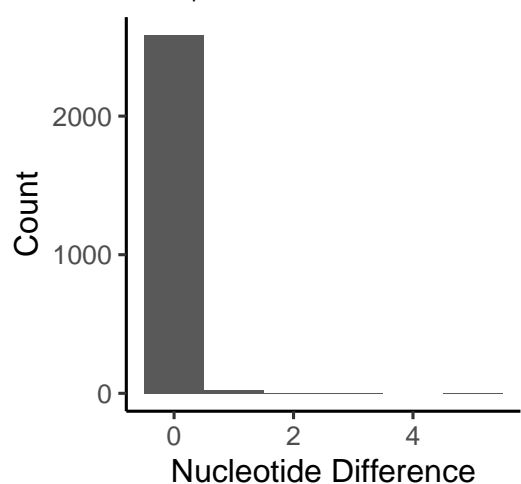
TRBV6-56*ap02

2687 sequences assigned
2480 (92.3%) exact matches, in which:
2429 unique CDR3
13 unique J



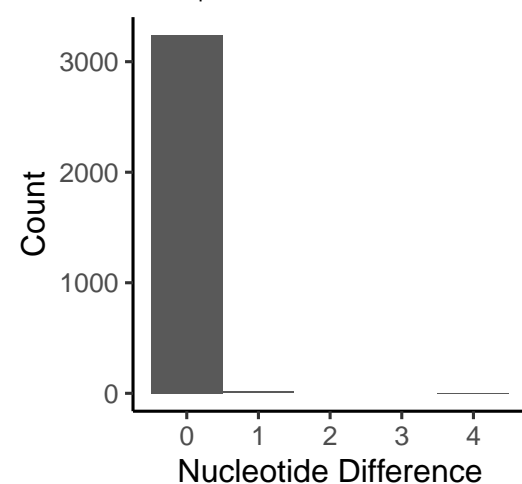
TRBV7-3*ap01

2613 sequences assigned
2585 (98.9%) exact matches, in which:
2560 unique CDR3
13 unique J



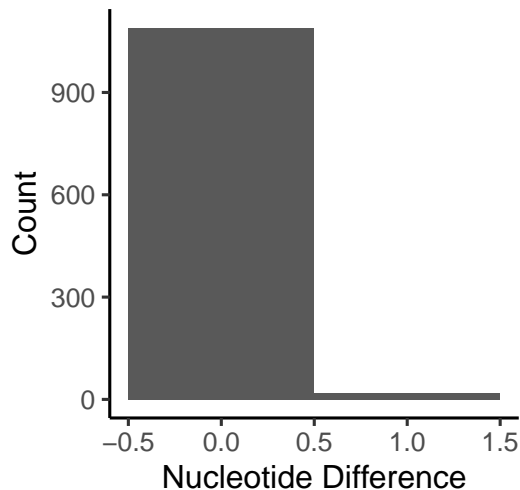
TRBV7-6*ap01

3259 sequences assigned
3241 (99.4%) exact matches, in which:
3206 unique CDR3
13 unique J



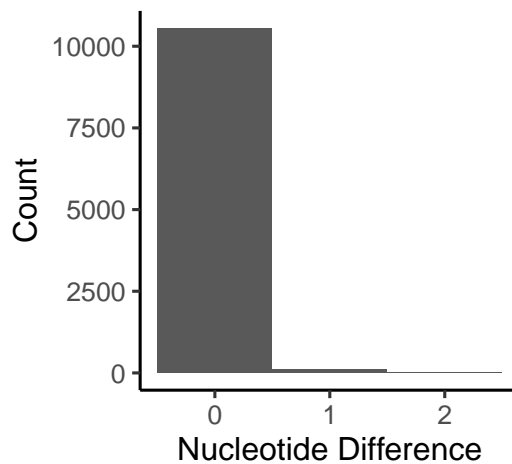
TRBV7-7*ap01

1109 sequences assigned
1090 (98.3%) exact matches, in which:
1076 unique CDR3
13 unique J



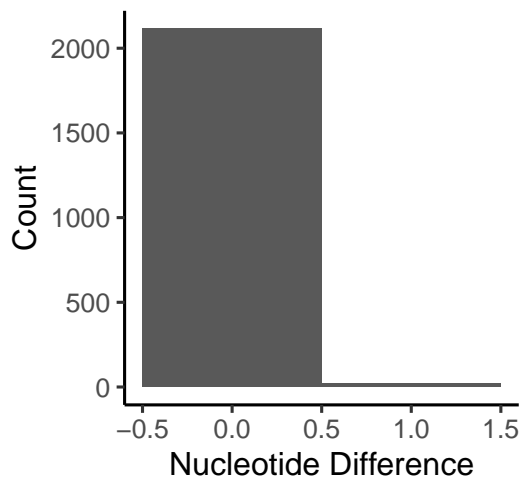
TRBV7-9*ap01

10676 sequences assigned
10554 (98.9%) exact matches, in which:
10384 unique CDR3
13 unique J



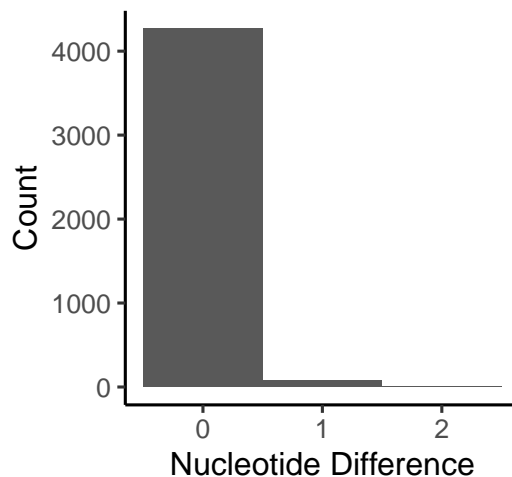
TRBV7-8*ap01

2137 sequences assigned
2115 (99%) exact matches, in which:
2089 unique CDR3
13 unique J



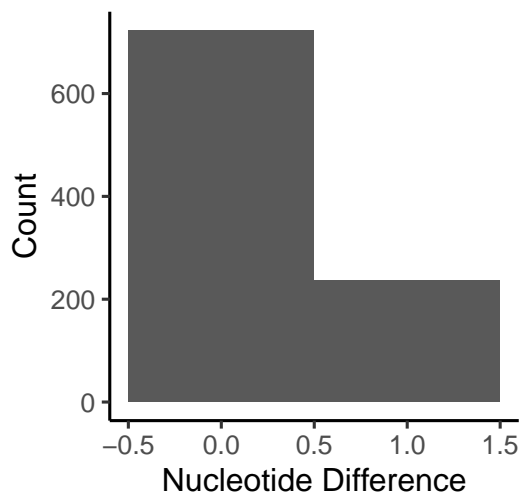
TRBV29-1*ap01

4351 sequences assigned
4267 (98.1%) exact matches, in which:
4167 unique CDR3
13 unique J



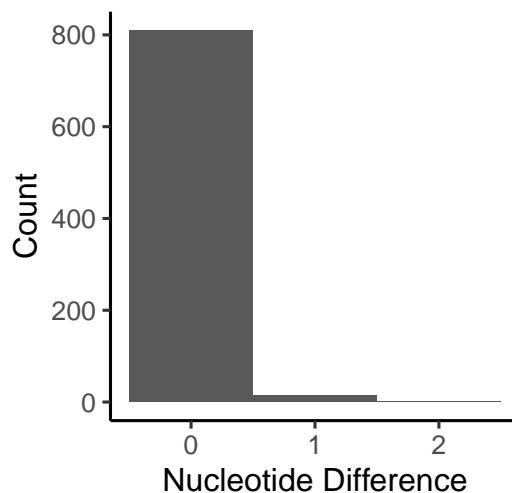
TRBV7-8*ap03

960 sequences assigned
723 (75.3%) exact matches, in which:
714 unique CDR3
13 unique J

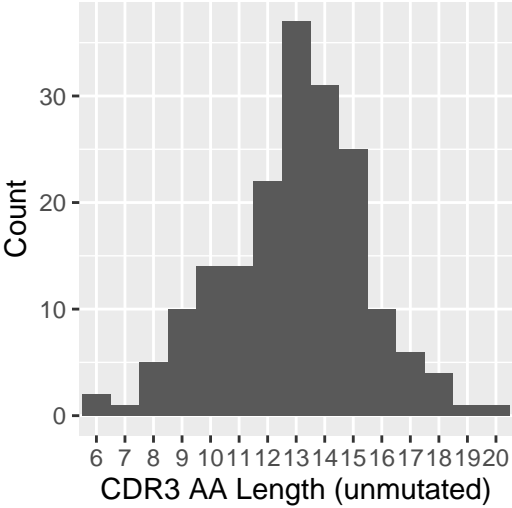


TRBV29-1*ap02

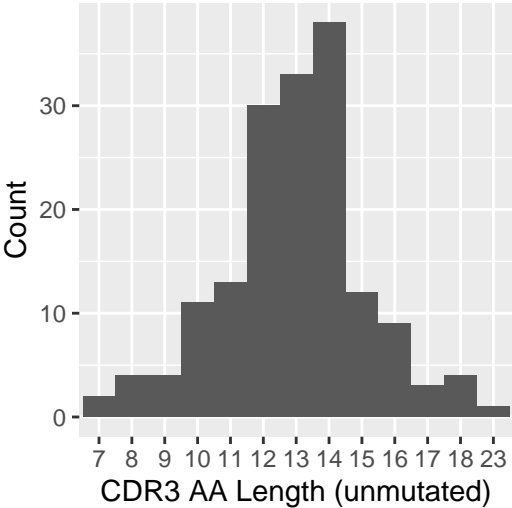
826 sequences assigned
810 (98.1%) exact matches, in which:
783 unique CDR3
13 unique J



TRBV12-2*ap01_G301A



TRBV7-1*ap01_G291C_T296C





[illegible]