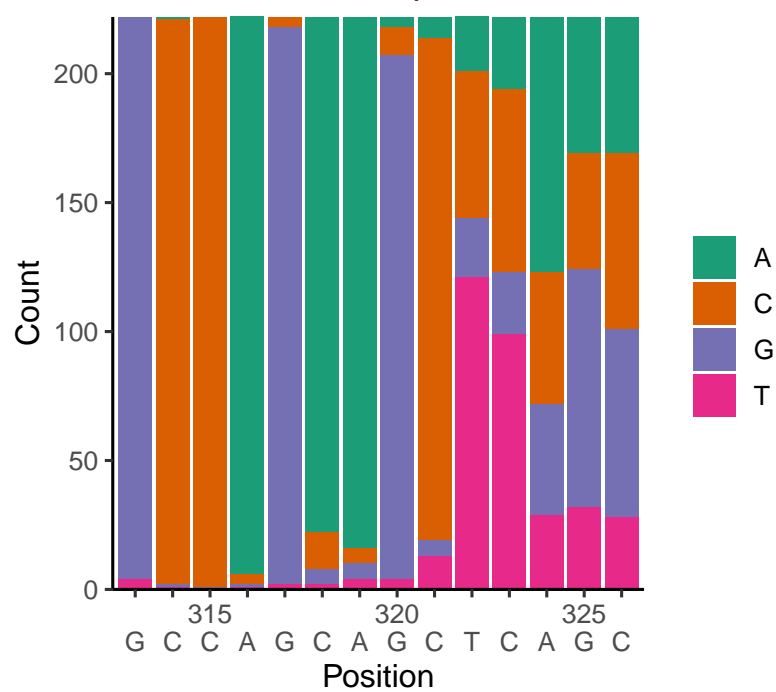
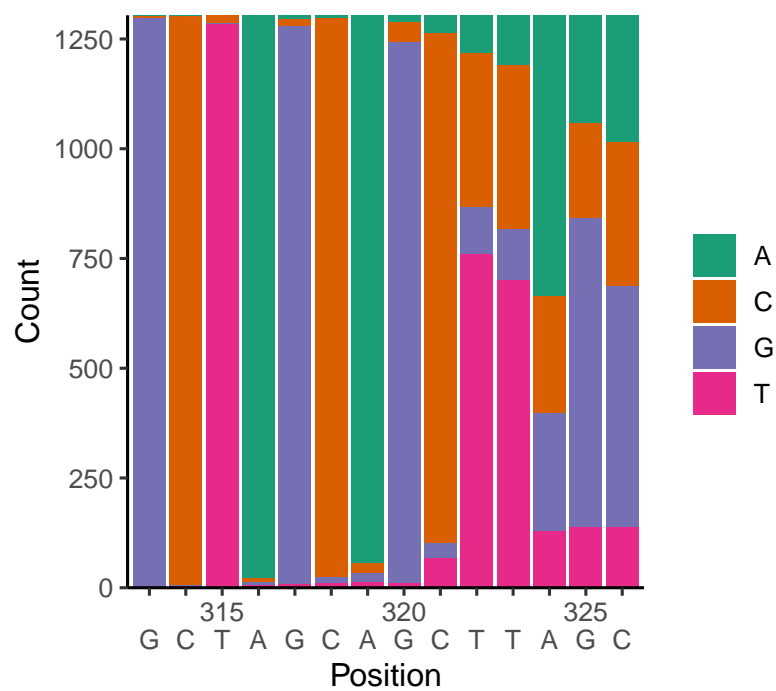


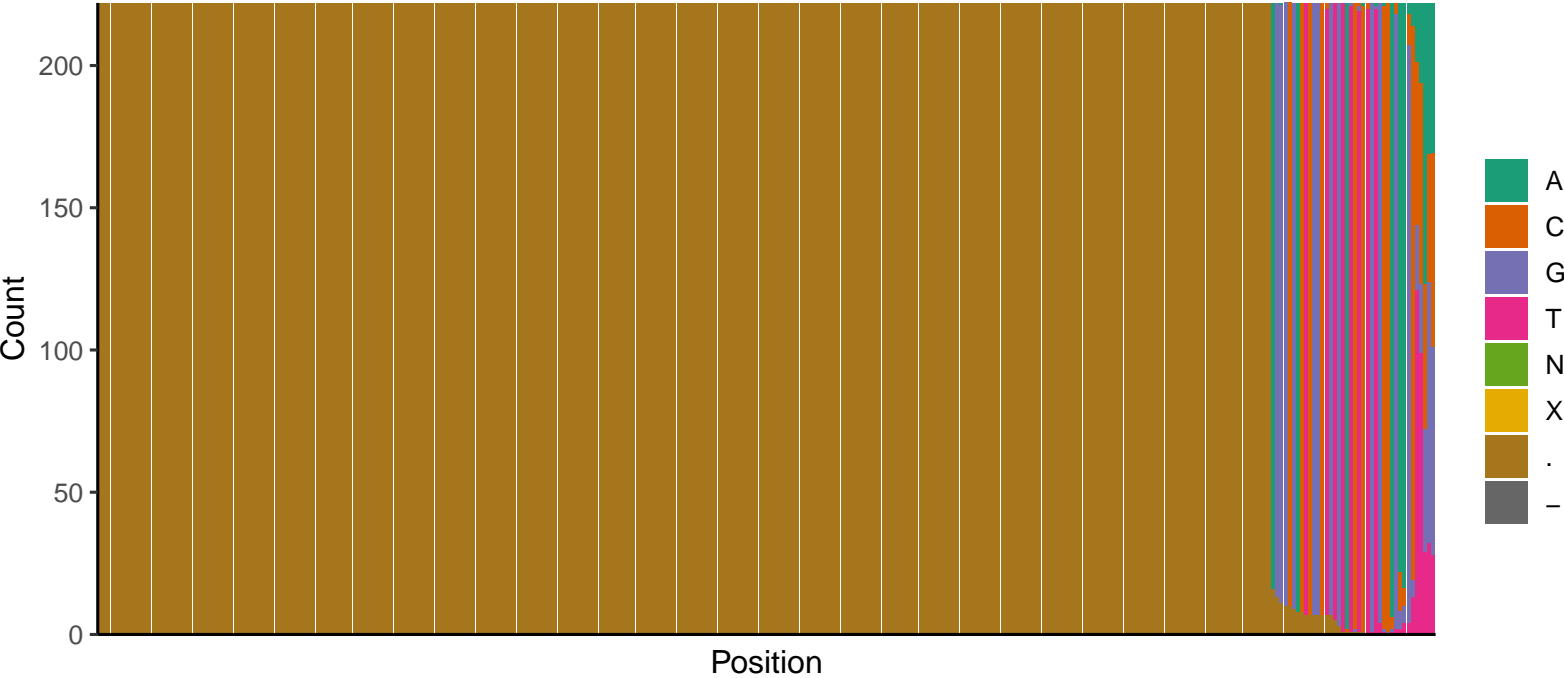
Gene TRBV7-1*ap01_G291C_T296C



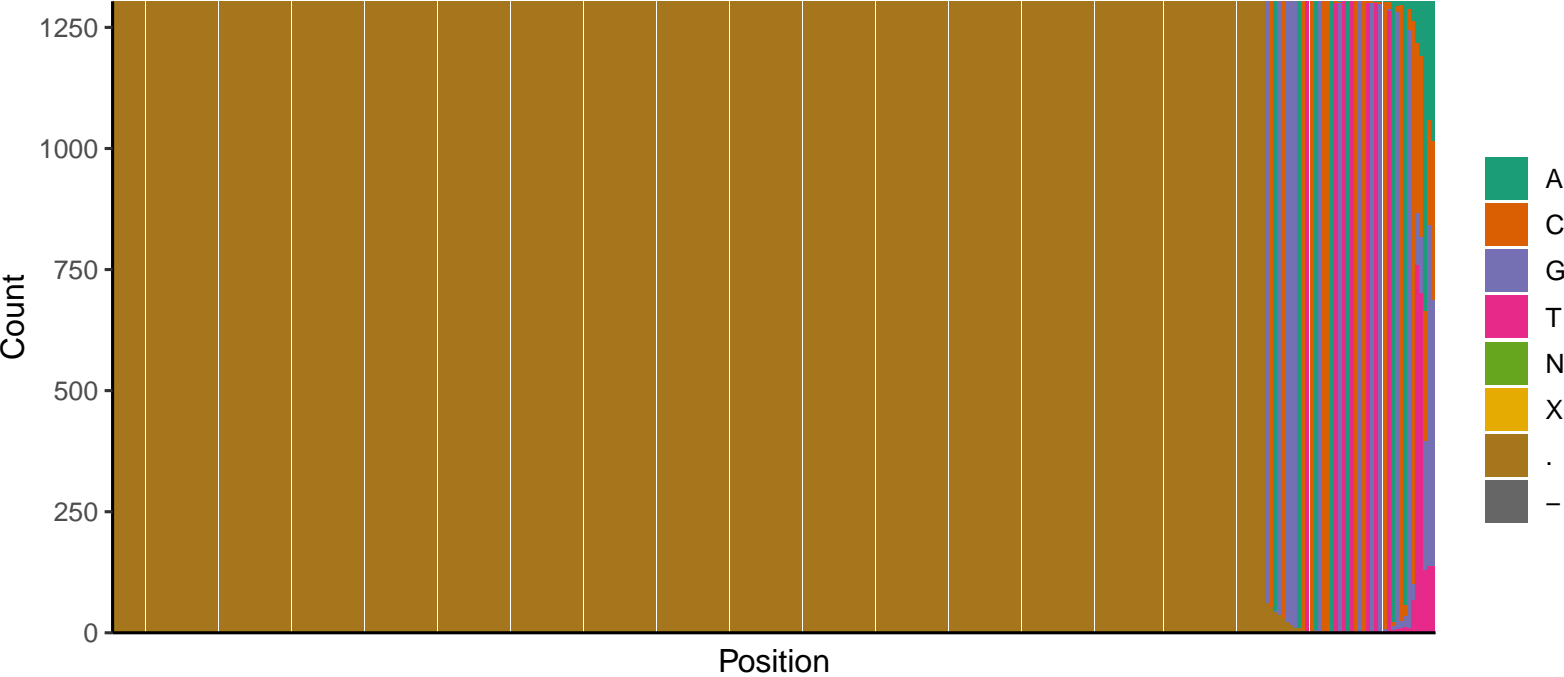
Gene TRBV7-7*ap01_C315T



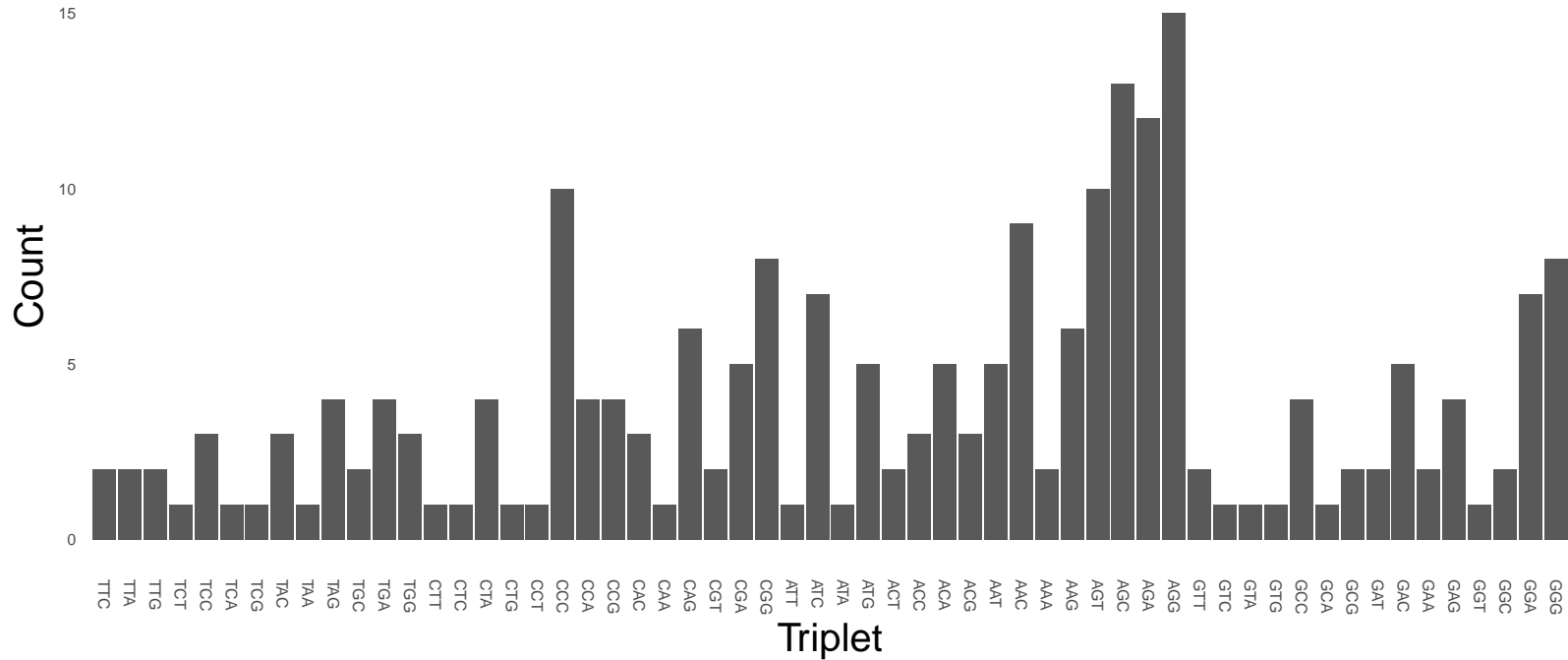
Gene TRBV7-1*ap01_G291C_T296C



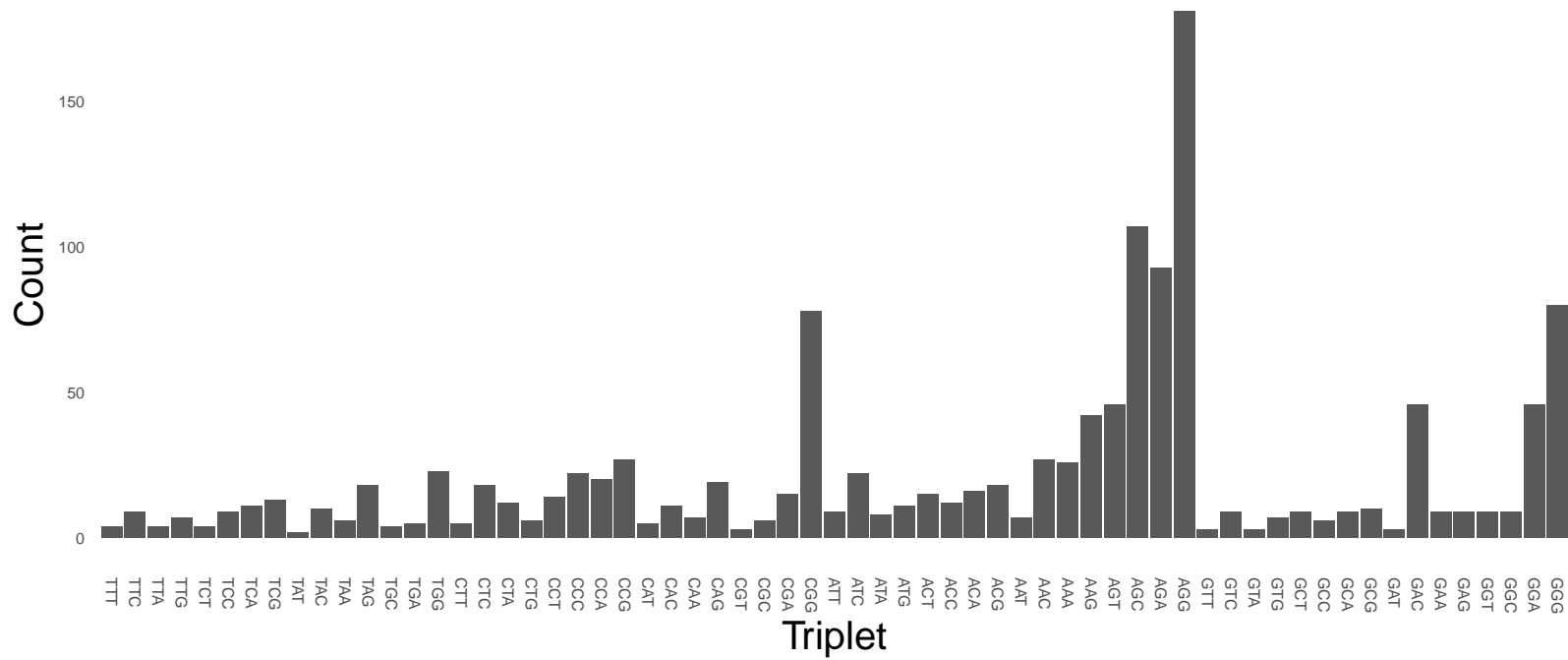
Gene TRBV7-7*ap01_C315T



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

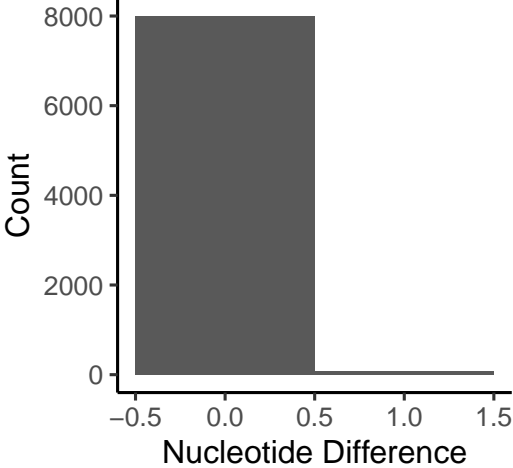


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



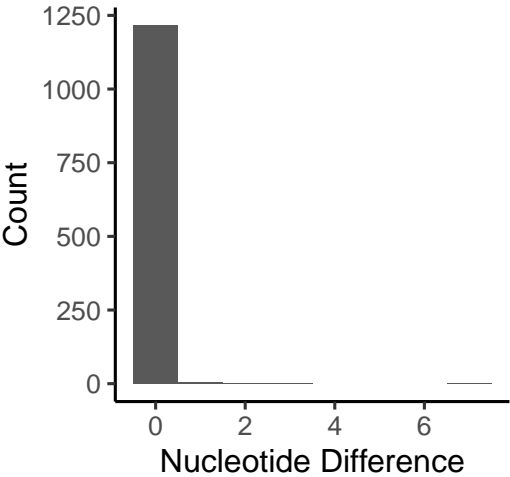
TRBV20-1*ap01

8075 sequences assigned
7991 (99%) exact matches, in which:
7844 unique CDR3
13 unique J



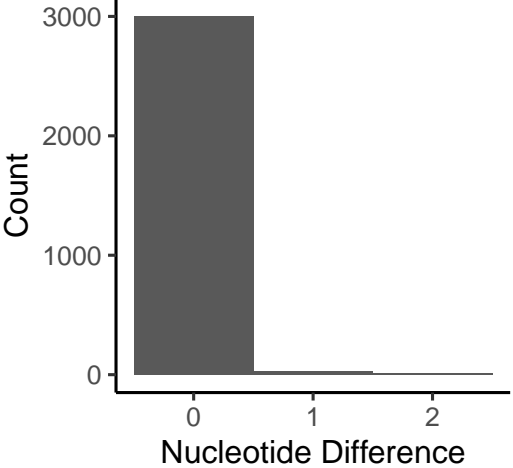
TRBV10-2*ap01

1225 sequences assigned
1216 (99.3%) exact matches, in which:
1191 unique CDR3
13 unique J



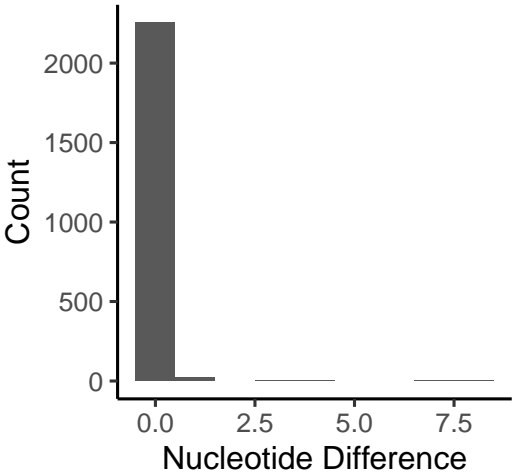
TRBV13*ap01

3046 sequences assigned
3000 (98.5%) exact matches, in which:
2913 unique CDR3
13 unique J



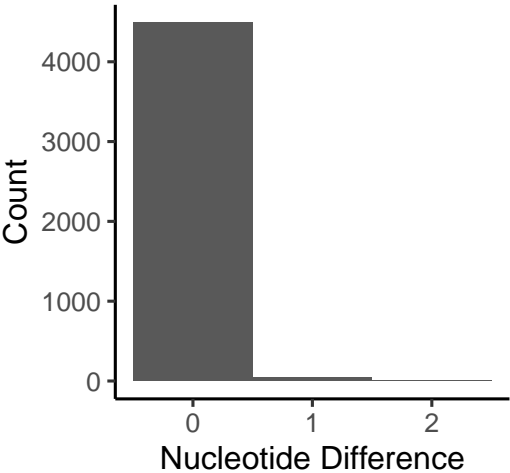
TRBV10-1*ap01

2278 sequences assigned
2254 (98.9%) exact matches, in which:
2201 unique CDR3
13 unique J



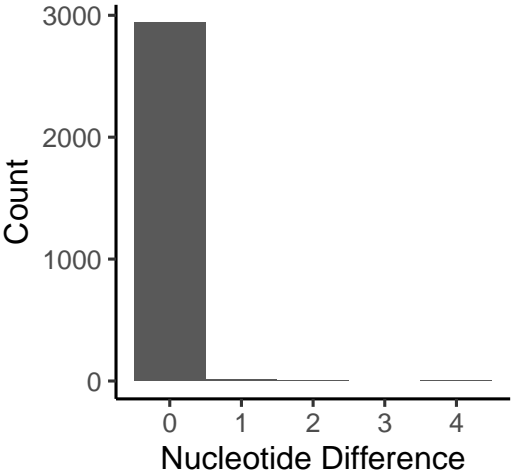
TRBV10-3*ap01

4539 sequences assigned
4489 (98.9%) exact matches, in which:
4411 unique CDR3
13 unique J



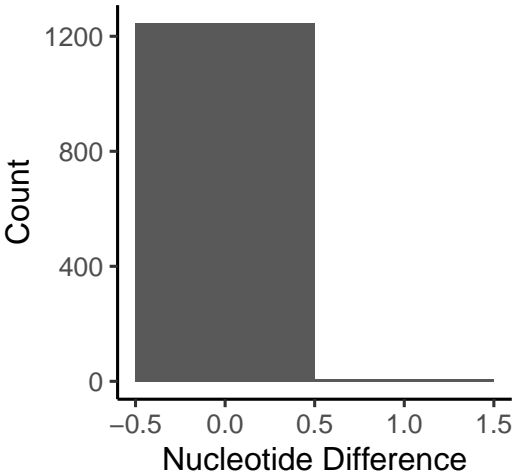
TRBV14*ap01

2957 sequences assigned
2939 (99.4%) exact matches, in which:
2882 unique CDR3
13 unique J



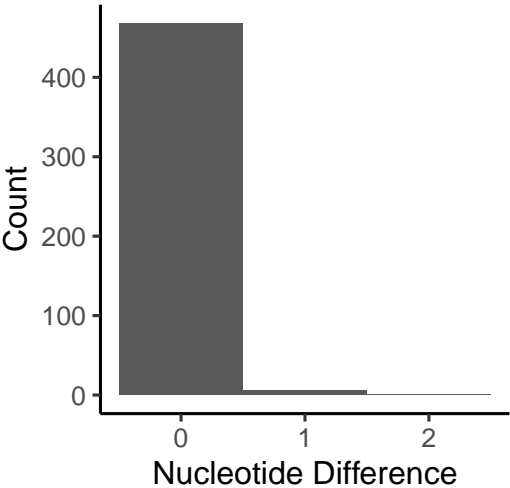
TRBV20-1*ap02

1255 sequences assigned
1246 (99.3%) exact matches, in which:
1221 unique CDR3
13 unique J



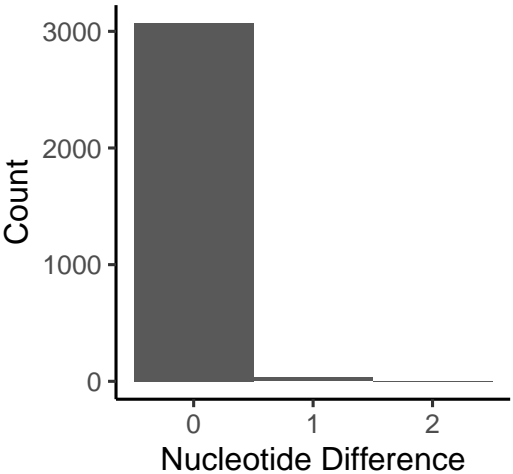
TRBV1*ap01

475 sequences assigned
468 (98.5%) exact matches, in which:
461 unique CDR3
13 unique J



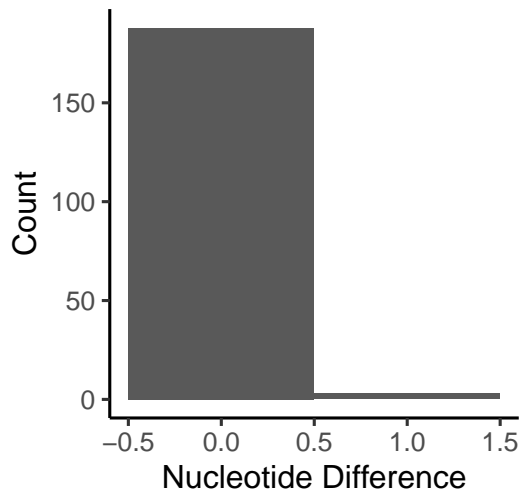
TRBV15*ap02

3106 sequences assigned
3071 (98.9%) exact matches, in which:
2997 unique CDR3
13 unique J



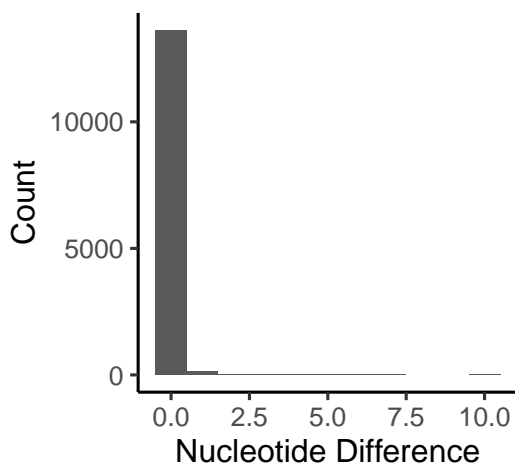
TRBV16*ap01

191 sequences assigned
188 (98.4%) exact matches, in which:
187 unique CDR3
13 unique J



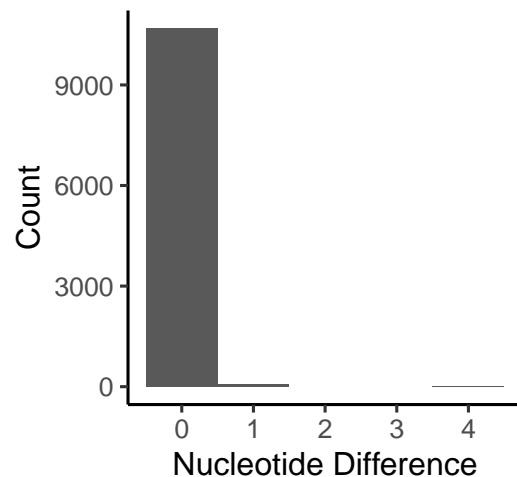
TRBV19*ap01

13764 sequences assigned
13623 (99%) exact matches, in which:
13463 unique CDR3
13 unique J



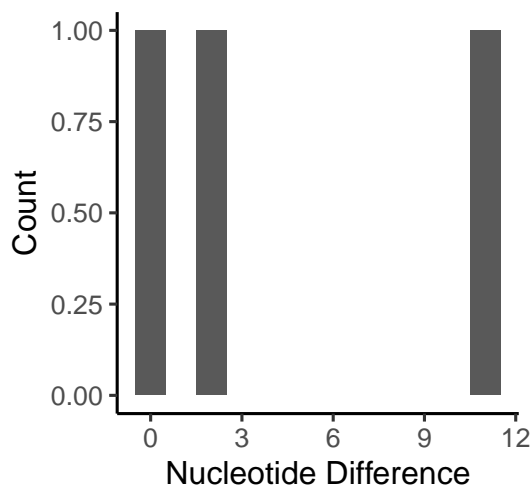
TRBV28*ap01

10767 sequences assigned
10686 (99.2%) exact matches, in which:
10470 unique CDR3
13 unique J



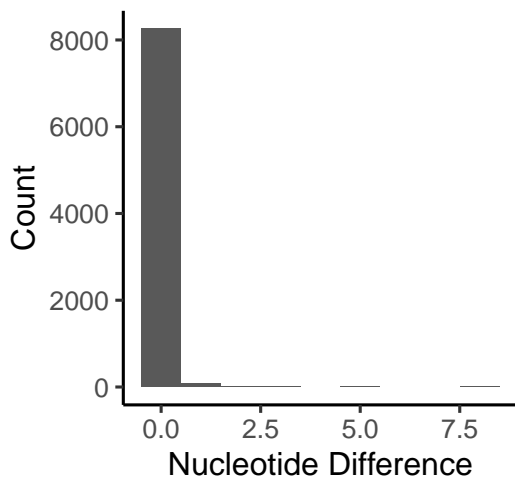
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



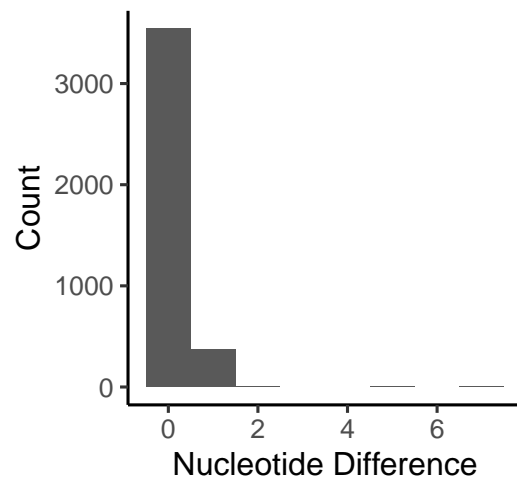
TRBV2*ap01

8347 sequences assigned
8259 (98.9%) exact matches, in which:
8097 unique CDR3
13 unique J



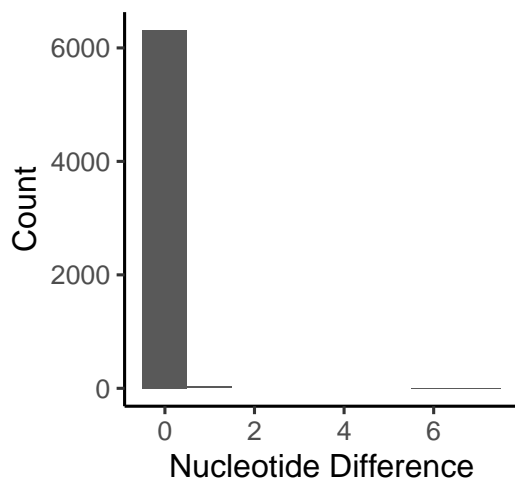
TRBV30*ap01

3915 sequences assigned
3542 (90.5%) exact matches, in which:
3455 unique CDR3
13 unique J



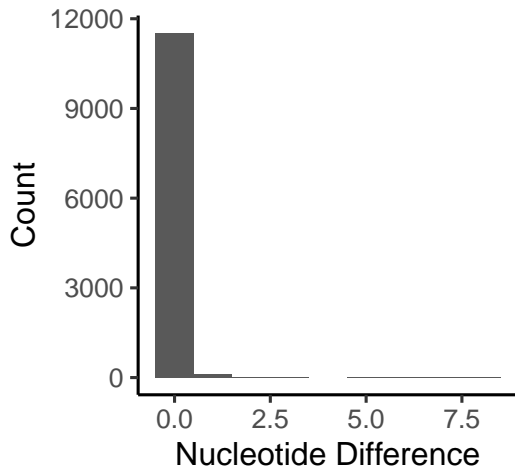
TRBV18*ap01

6347 sequences assigned
6315 (99.5%) exact matches, in which:
6228 unique CDR3
13 unique J



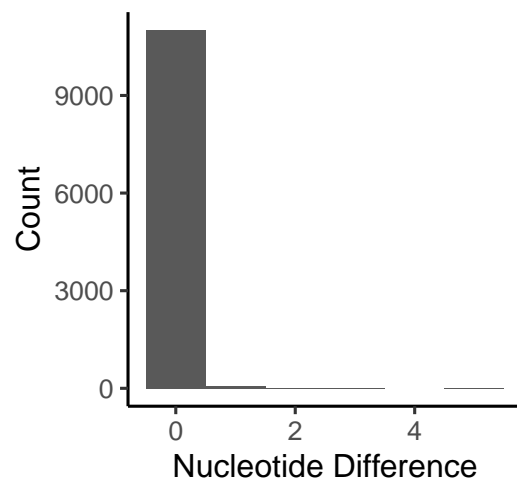
TRBV27*ap01

11651 sequences assigned
11530 (99%) exact matches, in which:
11262 unique CDR3
13 unique J



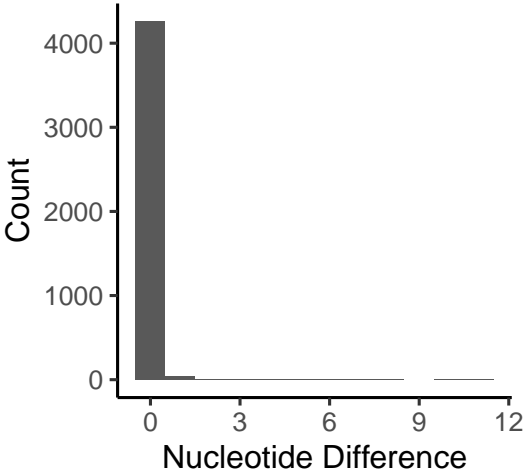
TRBV9*ap01

11079 sequences assigned
11010 (99.4%) exact matches, in which:
10844 unique CDR3
13 unique J



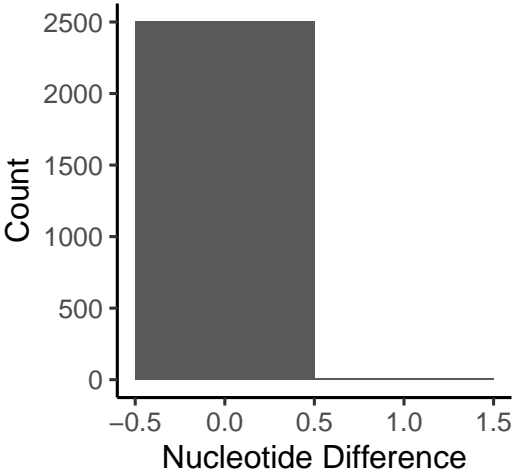
TRBV21-1*ap01

4322 sequences assigned
4259 (98.5%) exact matches, in which:
4202 unique CDR3
13 unique J



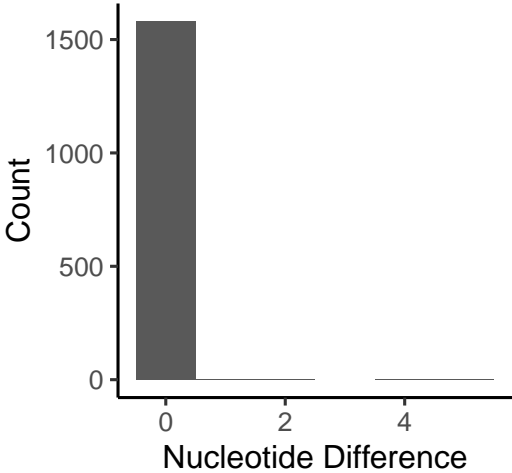
TRBV11-3*ap01

2518 sequences assigned
2504 (99.4%) exact matches, in which:
2479 unique CDR3
13 unique J



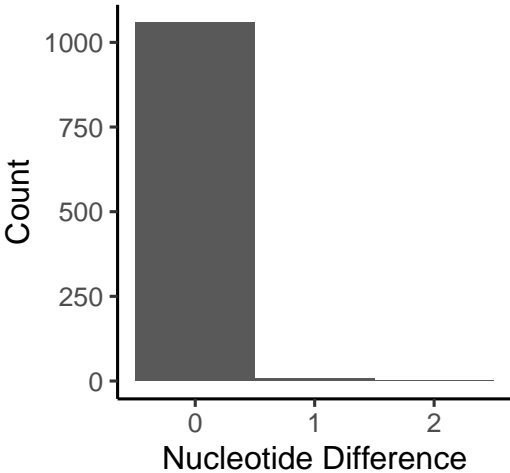
TRBV12-5*ap01

1589 sequences assigned
1580 (99.4%) exact matches, in which:
1551 unique CDR3
13 unique J



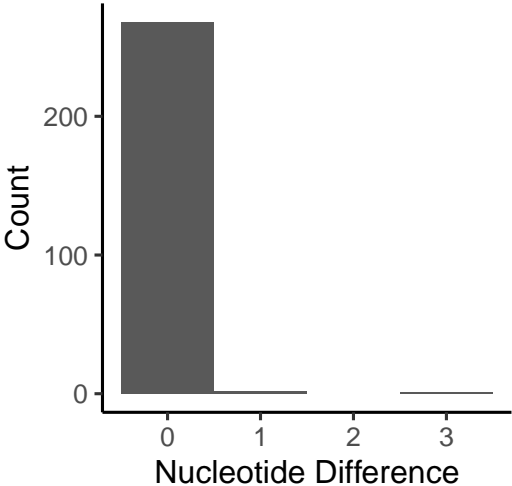
TRBV11-1*ap01

1067 sequences assigned
1058 (99.2%) exact matches, in which:
1044 unique CDR3
13 unique J



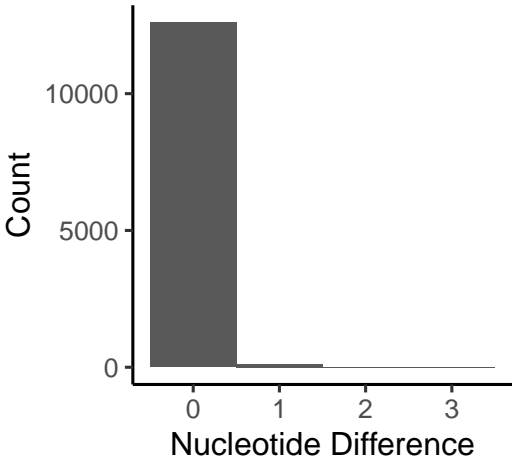
TRBV12-1*ap01

271 sequences assigned
268 (98.9%) exact matches, in which:
264 unique CDR3
13 unique J



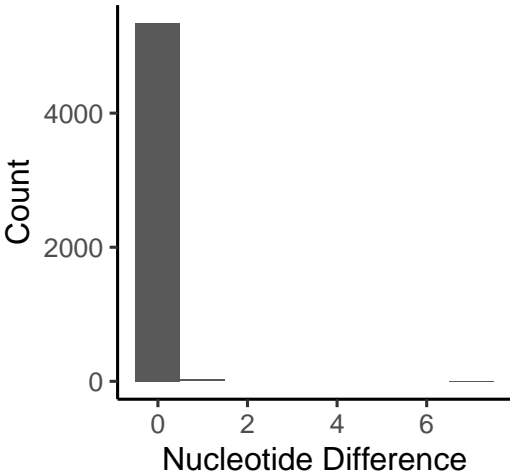
TRBV12-34*ap01

12725 sequences assigned
12602 (99%) exact matches, in which:
12375 unique CDR3
13 unique J



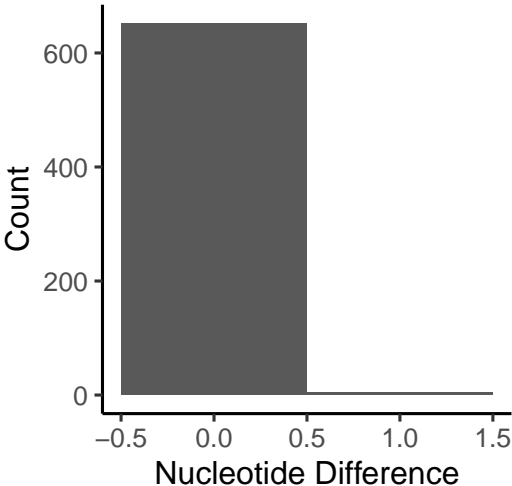
TRBV11-2*ap01

5375 sequences assigned
5344 (99.4%) exact matches, in which:
5280 unique CDR3
13 unique J



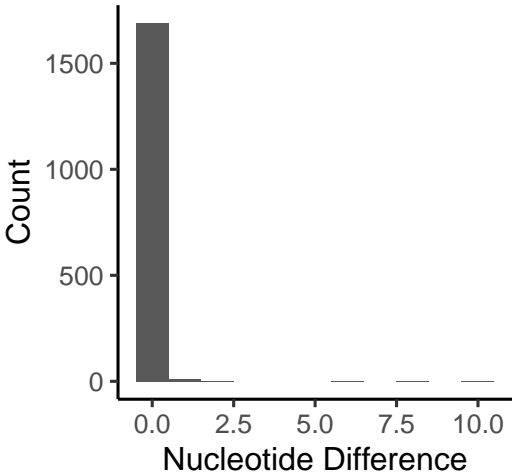
TRBV12-2*ap01

657 sequences assigned
652 (99.2%) exact matches, in which:
635 unique CDR3
13 unique J



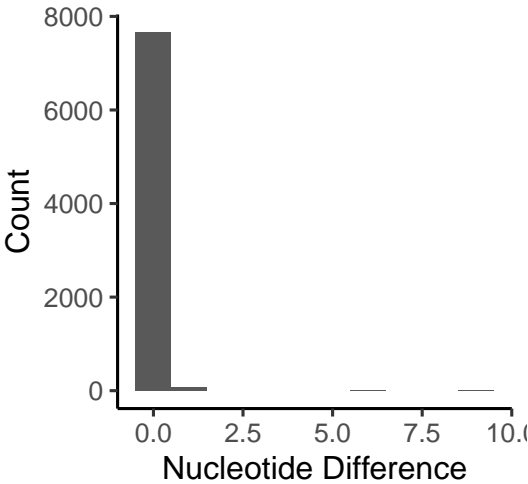
TRBV23-1*ap01

1706 sequences assigned
1690 (99.1%) exact matches, in which:
1663 unique CDR3
13 unique J



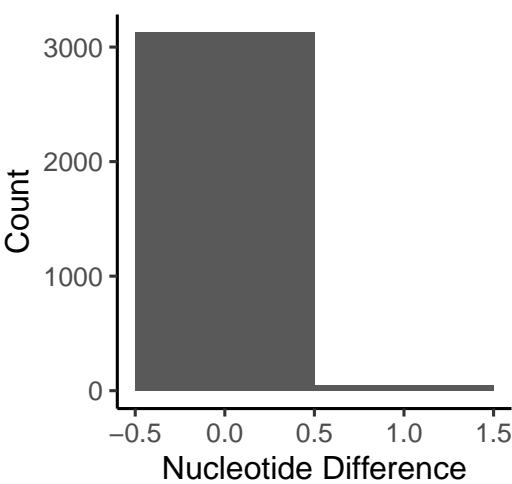
TRBV3-12*ap01

7728 sequences assigned
7658 (99.1%) exact matches, in which:
7564 unique CDR3
13 unique J



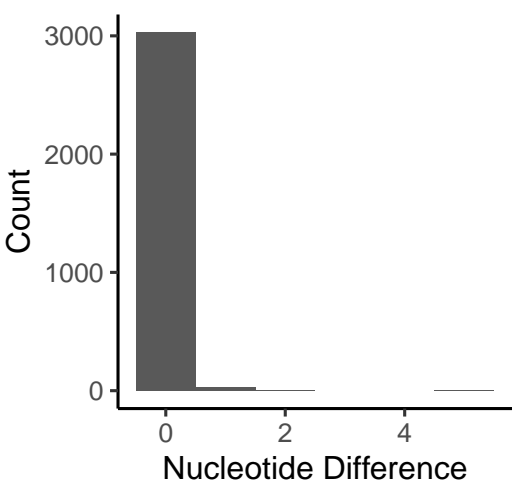
TRBV4-2*ap01

3174 sequences assigned
3128 (98.6%) exact matches, in which:
3057 unique CDR3
13 unique J



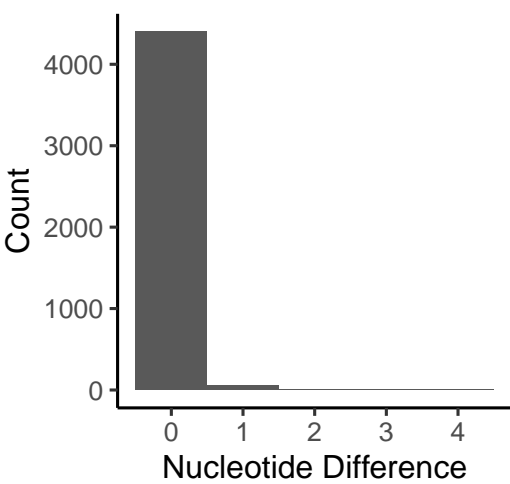
TRBV25-1*ap01

3064 sequences assigned
3029 (98.9%) exact matches, in which:
2953 unique CDR3
13 unique J



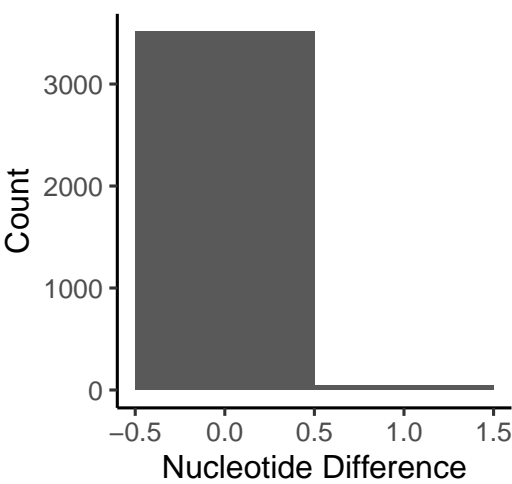
TRBV24-1*ap01

4456 sequences assigned
4400 (98.7%) exact matches, in which:
4300 unique CDR3
13 unique J



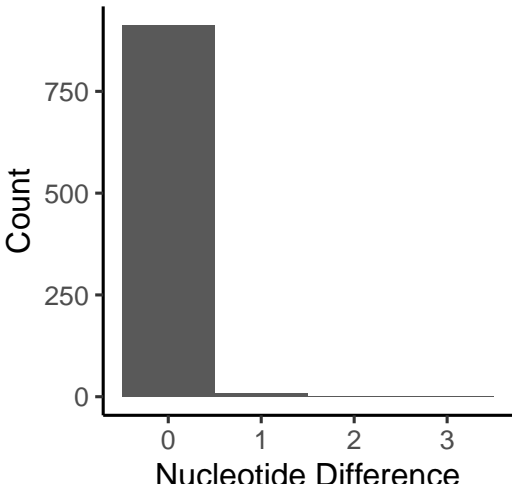
TRBV4-3*ap01

3561 sequences assigned
3513 (98.7%) exact matches, in which:
3407 unique CDR3
13 unique J



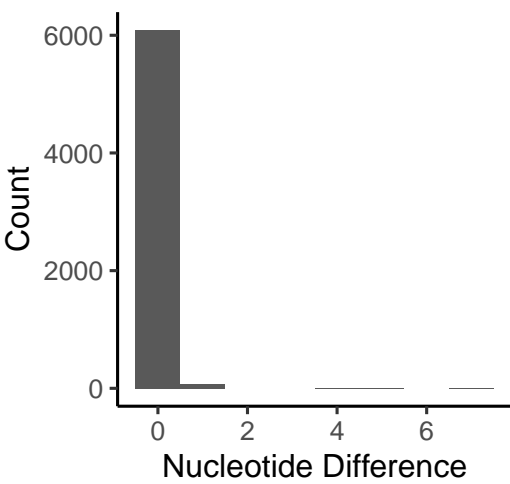
TRBV5-3*ap01

925 sequences assigned
913 (98.7%) exact matches, in which:
897 unique CDR3
13 unique J



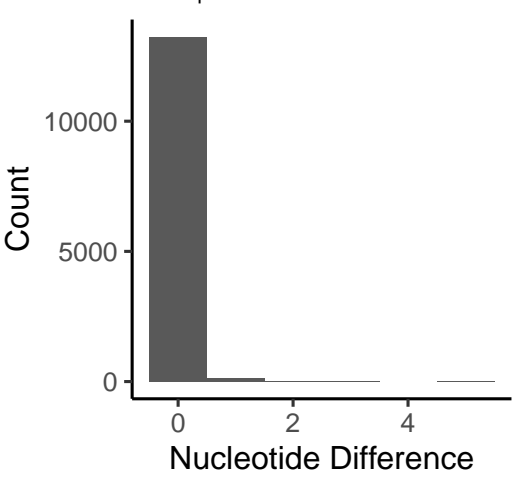
TRBV4-1*ap01

6162 sequences assigned
6089 (98.8%) exact matches, in which:
5947 unique CDR3
13 unique J



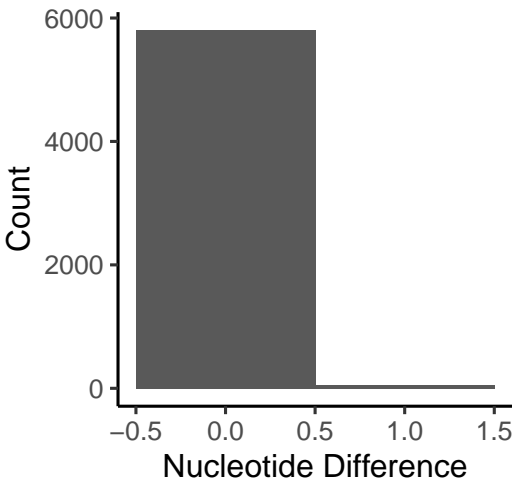
TRBV5-1*ap01

13366 sequences assigned
13242 (99.1%) exact matches, in which:
12921 unique CDR3
13 unique J



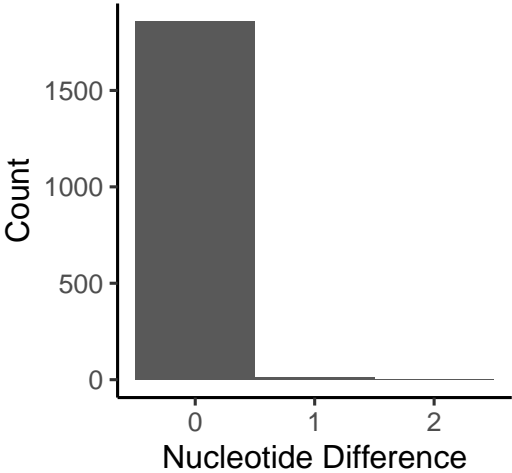
TRBV5-4*ap01

5860 sequences assigned
5805 (99.1%) exact matches, in which:
5692 unique CDR3
13 unique J



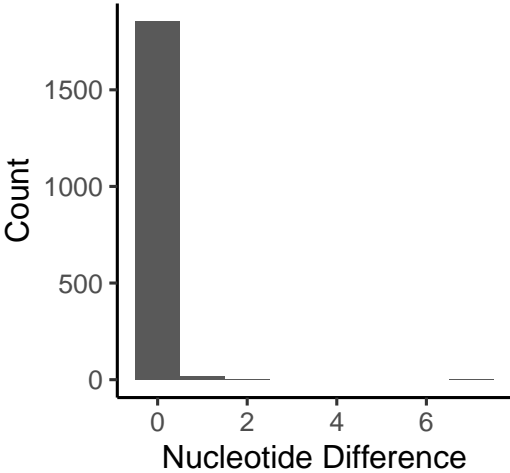
TRBV5-5*ap01

1874 sequences assigned
1858 (99.1%) exact matches, in which:
1848 unique CDR3
13 unique J



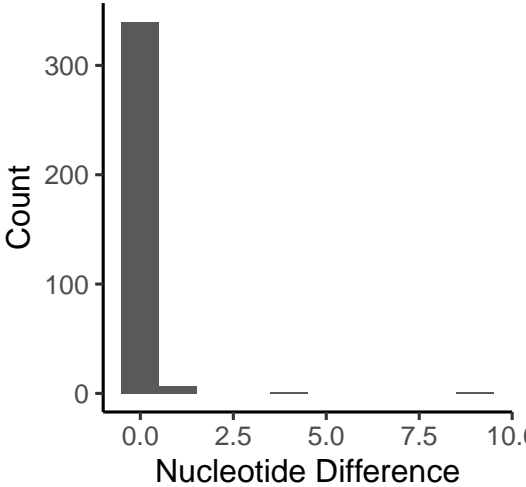
TRBV5-8*ap01

1876 sequences assigned
1854 (98.8%) exact matches, in which:
1824 unique CDR3
13 unique J



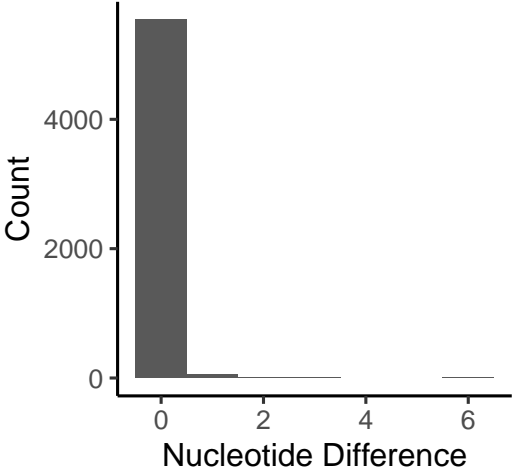
TRBV6-7*ap01

349 sequences assigned
340 (97.4%) exact matches, in which:
332 unique CDR3
13 unique J



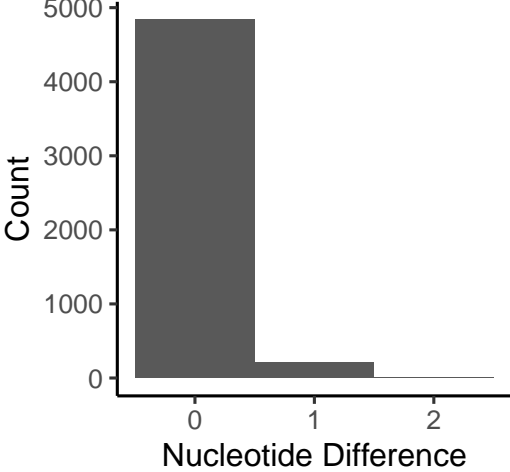
TRBV5-6*ap01

5592 sequences assigned
5540 (99.1%) exact matches, in which:
5392 unique CDR3
13 unique J



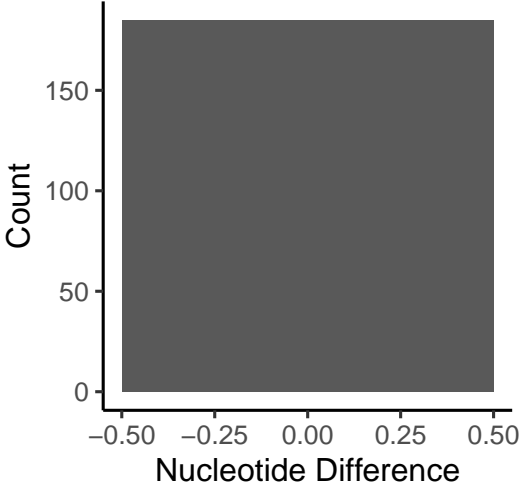
TRBV6-1*ap01

5048 sequences assigned
4837 (95.8%) exact matches, in which:
4722 unique CDR3
13 unique J



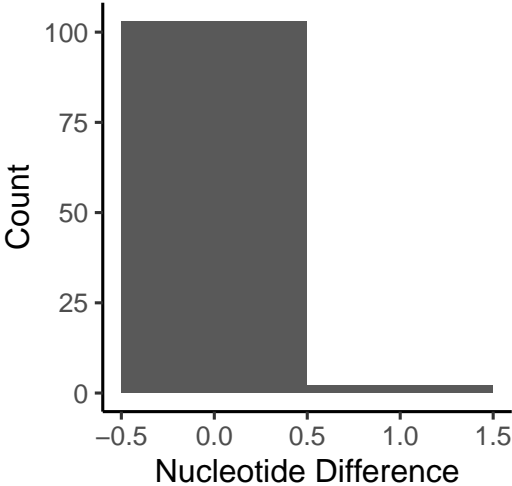
TRBV6-8*ap01

185 sequences assigned
185 (100%) exact matches, in which:
181 unique CDR3
13 unique J



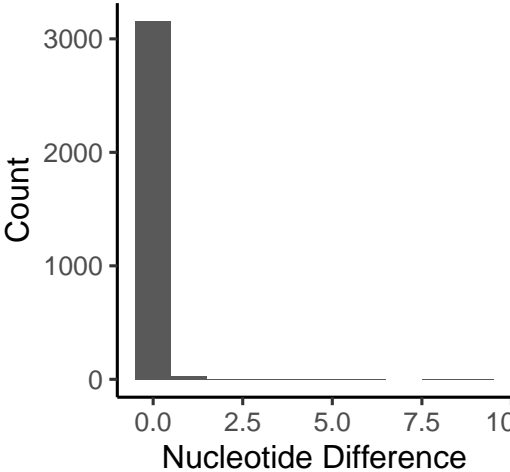
TRBV5-7*ap01

105 sequences assigned
103 (98.1%) exact matches, in which:
99 unique CDR3
13 unique J



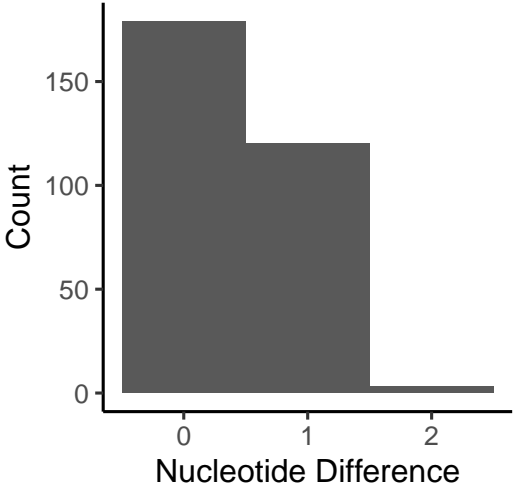
TRBV6-4*ap01

3195 sequences assigned
3157 (98.8%) exact matches, in which:
3115 unique CDR3
13 unique J



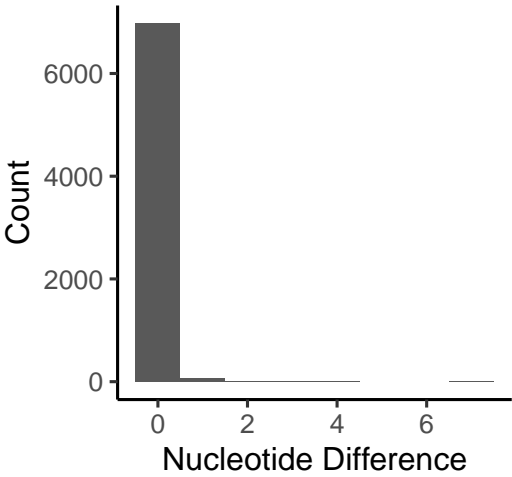
TRBV6-9*ap01

302 sequences assigned
179 (59.3%) exact matches, in which:
174 unique CDR3
13 unique J



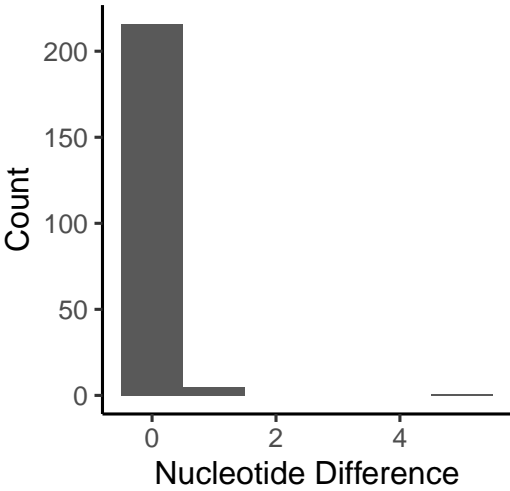
TRBV6-23*ap01

7040 sequences assigned
6975 (99.1%) exact matches, in which:
6760 unique CDR3
13 unique J



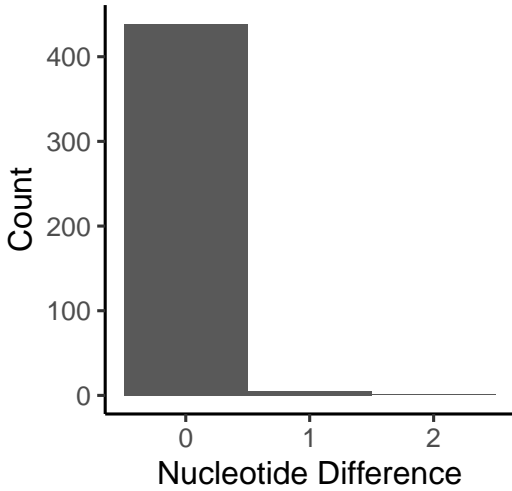
TRBV7-1*ap01_G291C_

222 sequences assigned
216 (97.3%) exact matches, in which:
216 unique CDR3
13 unique J



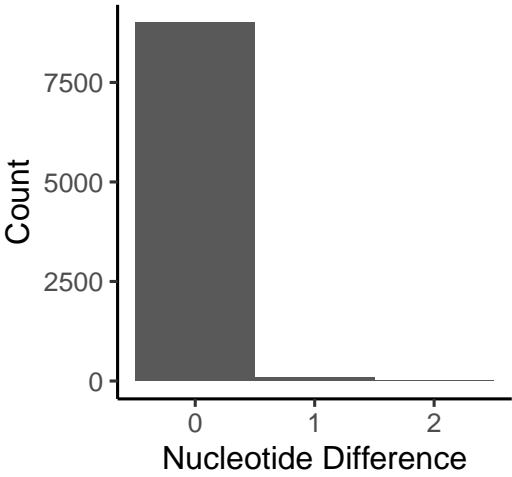
TRBV7-4*ap01

445 sequences assigned
439 (98.7%) exact matches, in which:
429 unique CDR3
13 unique J



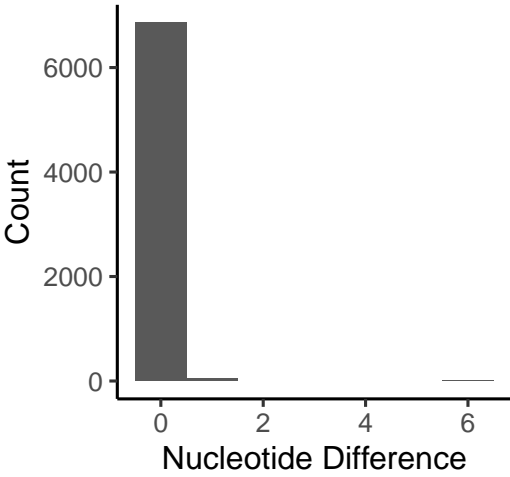
TRBV6-56*ap01

9095 sequences assigned
9000 (99%) exact matches, in which:
8731 unique CDR3
13 unique J



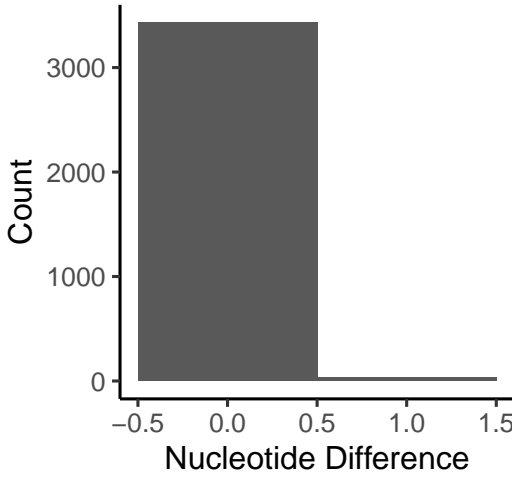
TRBV7-2*ap01

6904 sequences assigned
6858 (99.3%) exact matches, in which:
6734 unique CDR3
13 unique J



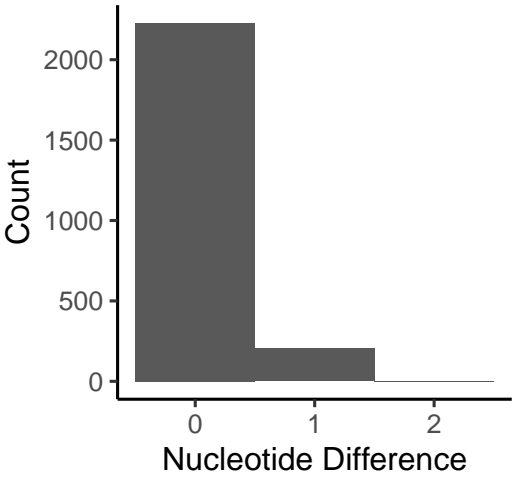
TRBV7-6*ap01

3463 sequences assigned
3429 (99%) exact matches, in which:
3364 unique CDR3
13 unique J



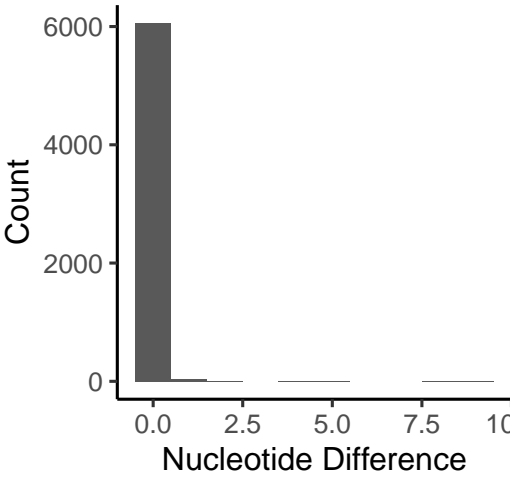
TRBV6-56*ap02

2432 sequences assigned
2228 (91.6%) exact matches, in which:
2151 unique CDR3
13 unique J



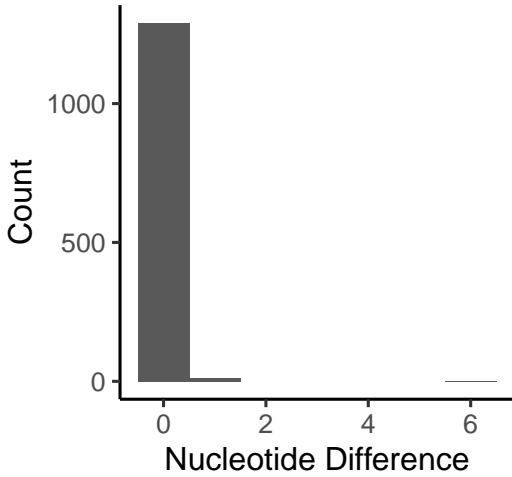
TRBV7-3*ap01

6110 sequences assigned
6059 (99.2%) exact matches, in which:
5985 unique CDR3
13 unique J



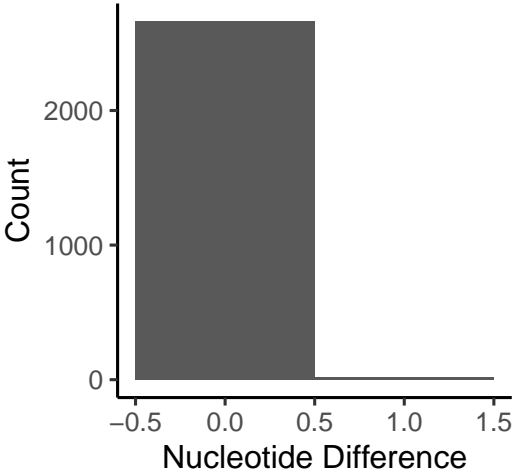
TRBV7-7*ap01_C315T

1304 sequences assigned
1290 (98.9%) exact matches, in which:
1264 unique CDR3
13 unique J



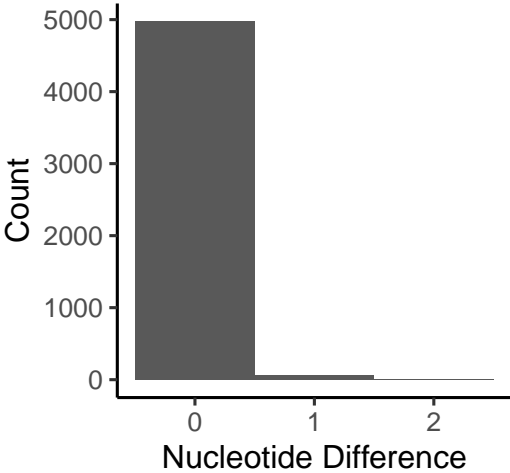
TRBV7-8*ap01

2680 sequences assigned
2662 (99.3%) exact matches, in which:
2614 unique CDR3
13 unique J



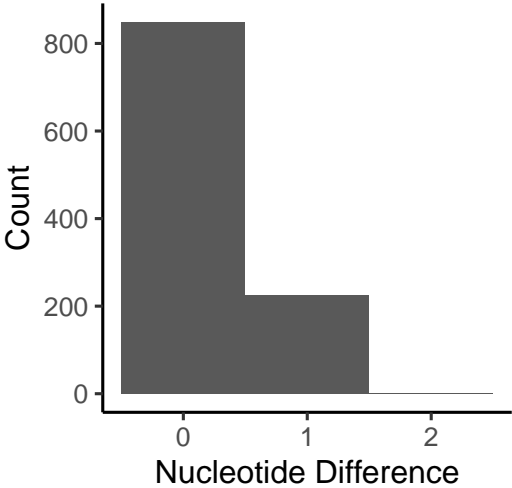
TRBV29-1*ap01

5037 sequences assigned
4975 (98.8%) exact matches, in which:
4838 unique CDR3
13 unique J



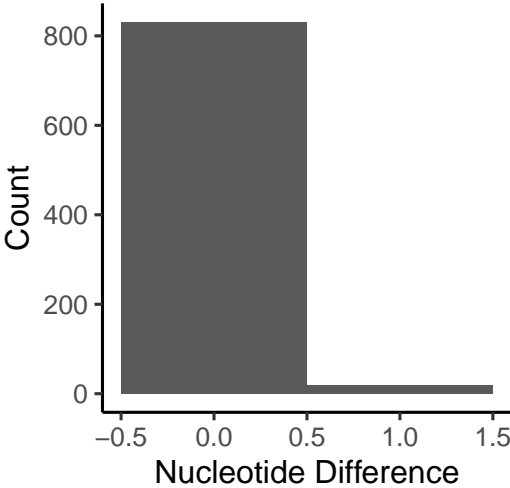
TRBV7-8*ap03

1076 sequences assigned
849 (78.9%) exact matches, in which:
832 unique CDR3
13 unique J



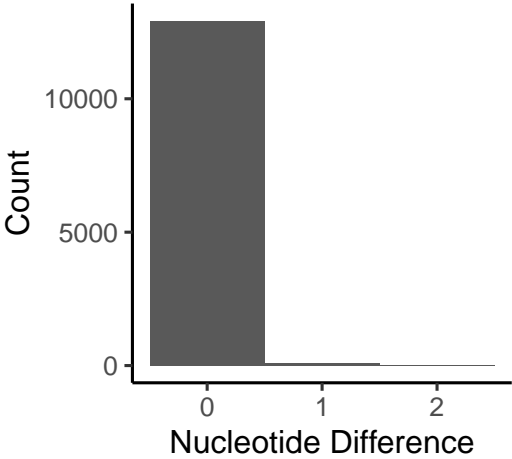
TRBV29-1*ap02

849 sequences assigned
831 (97.9%) exact matches, in which:
812 unique CDR3
13 unique J

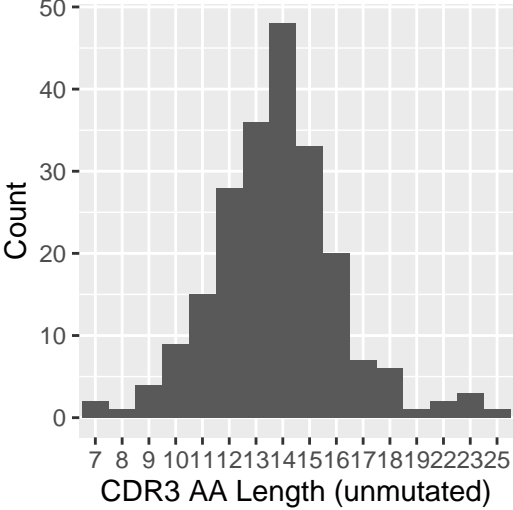


TRBV7-9*ap01

13016 sequences assigned
12923 (99.3%) exact matches, in which:
12715 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

