

Count sequences with CGR boxes using x- and y- coordinates

Source code: count_CGR_v5.cpp

Example input file: CGR_coord.txt

Example output file: CGR_out.txt

Instructions:

1) Compile source code to app called CGR using the line command:

```
g++ count_CGR_v5.cpp -o count_CGR
```

2) Run the program by invoking the following line command:

```
./count_CGR 4 CGR_coord.txt CGR_out.txt
```

Note you can change the resolution of the box size by changing the number in the command line. The number '4' means you divide the CGR plot into 16 boxes (e.g. AA, AT, AC... TT). The number 8 means you have divided the CGR plot into 64 boxes (e.g., AAA, AAC... TTT).