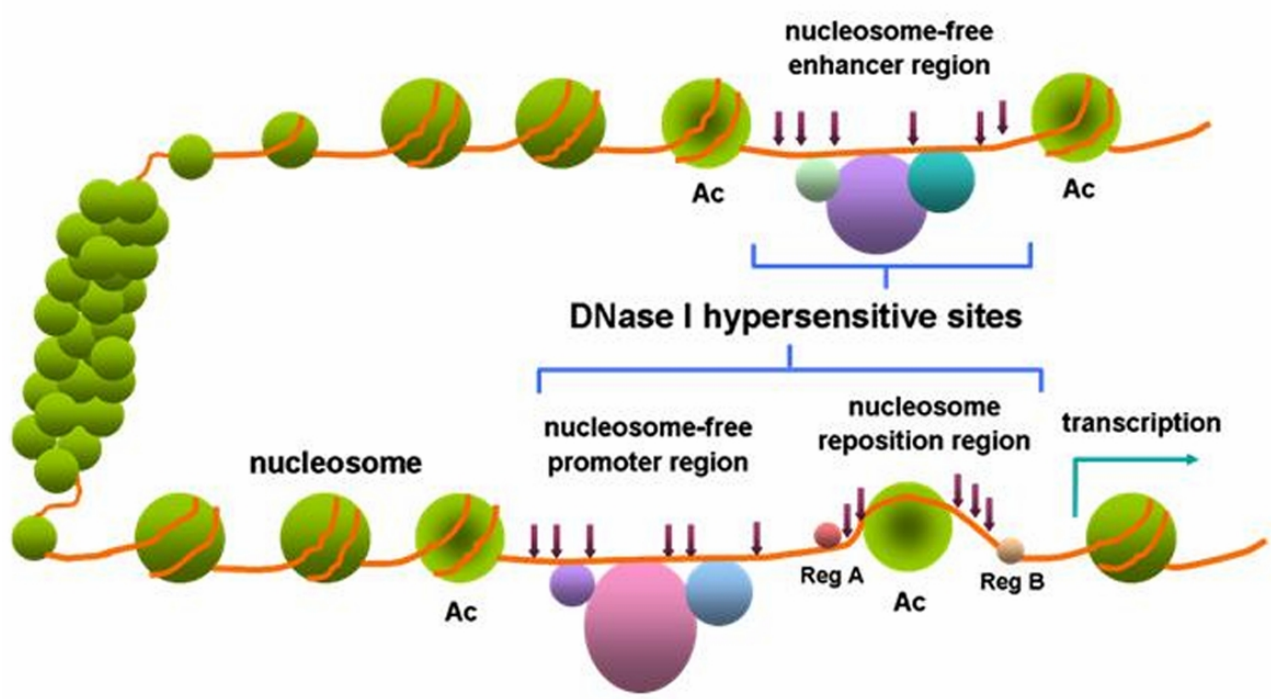
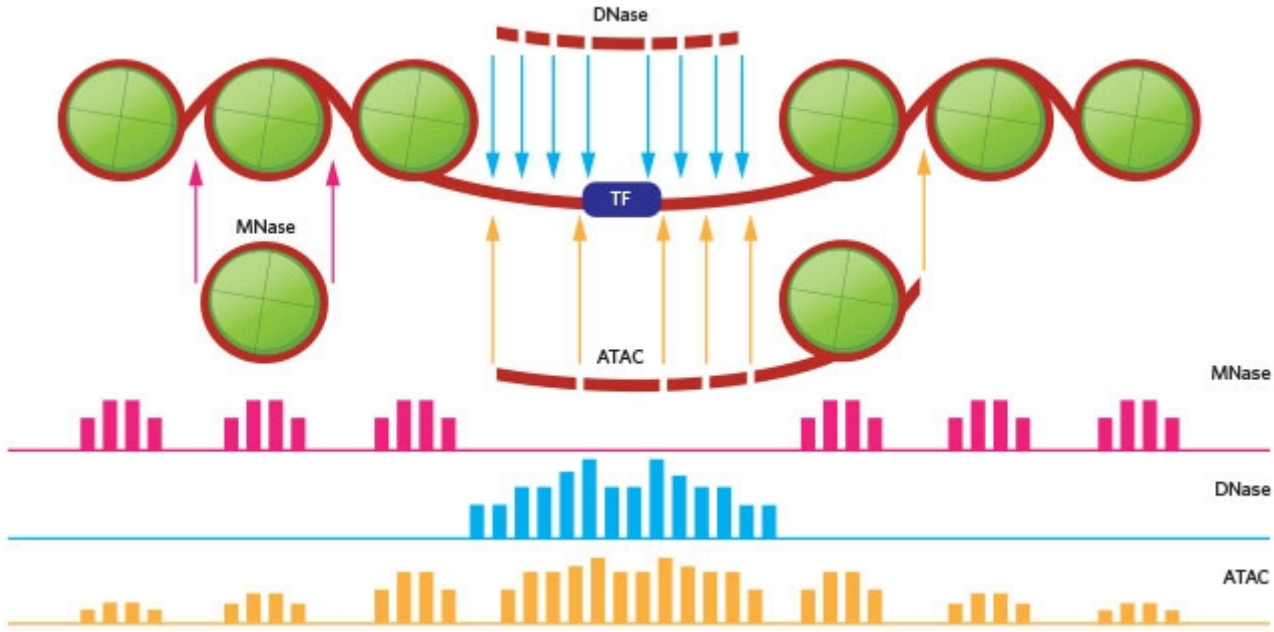
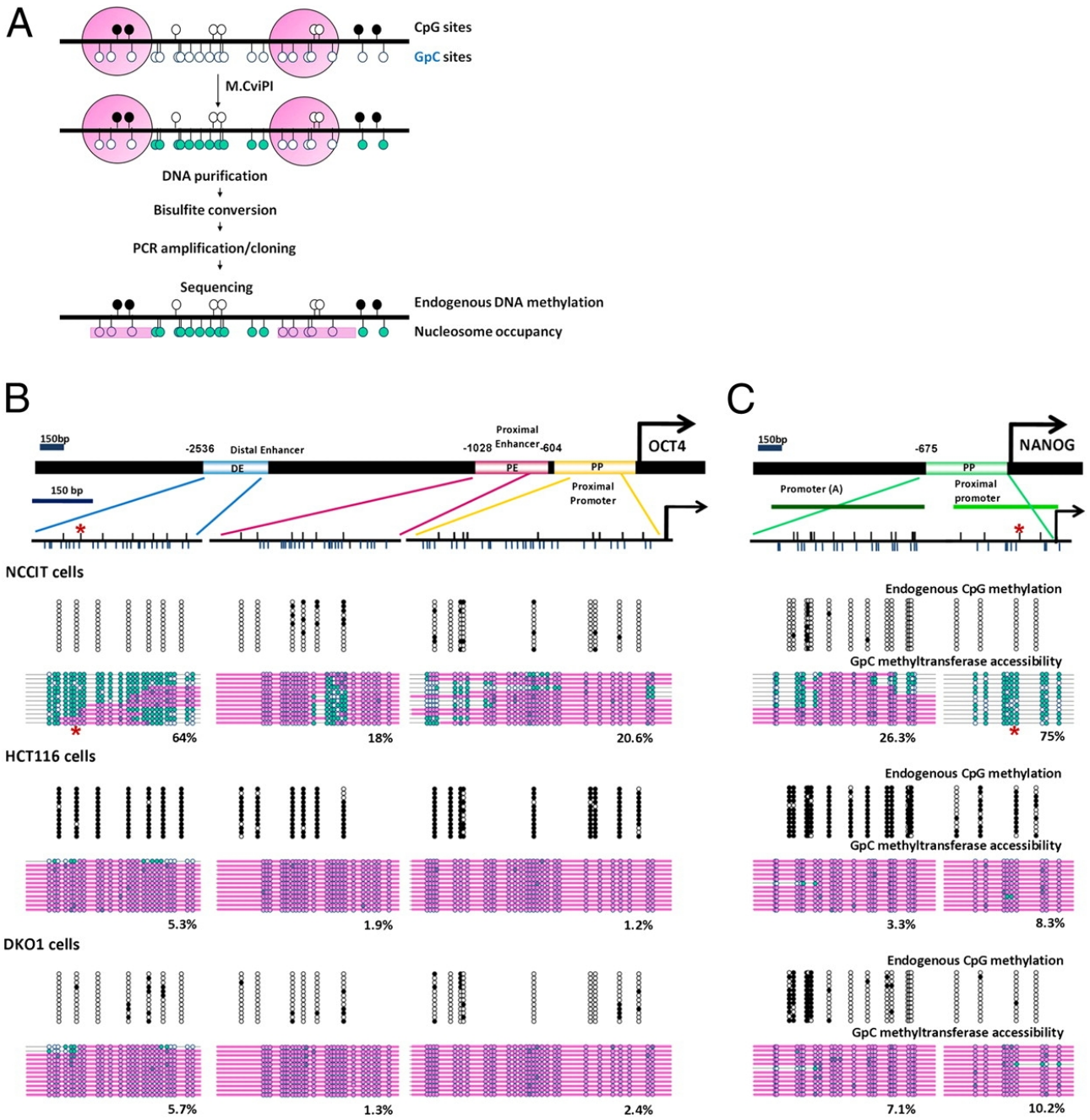
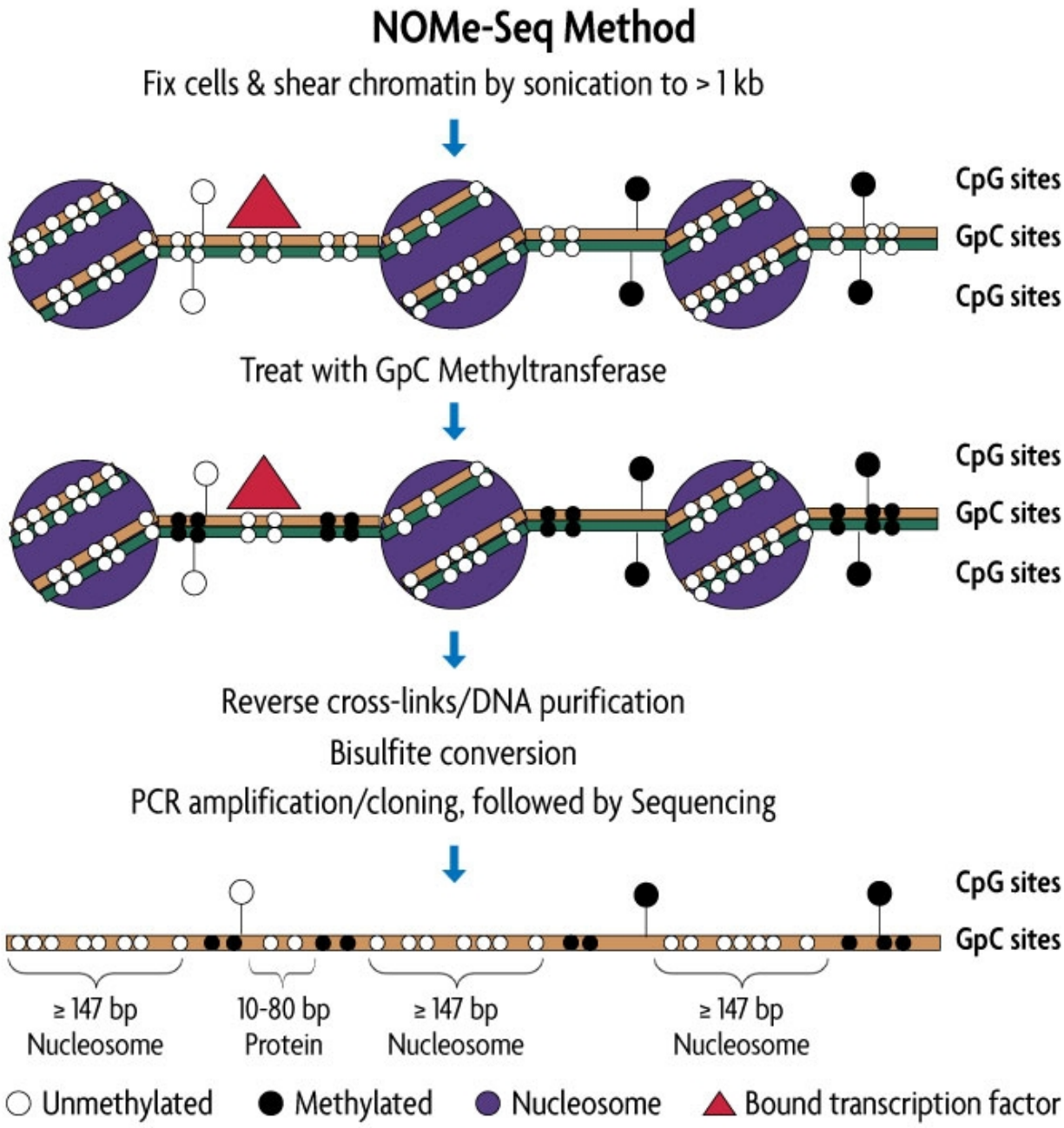
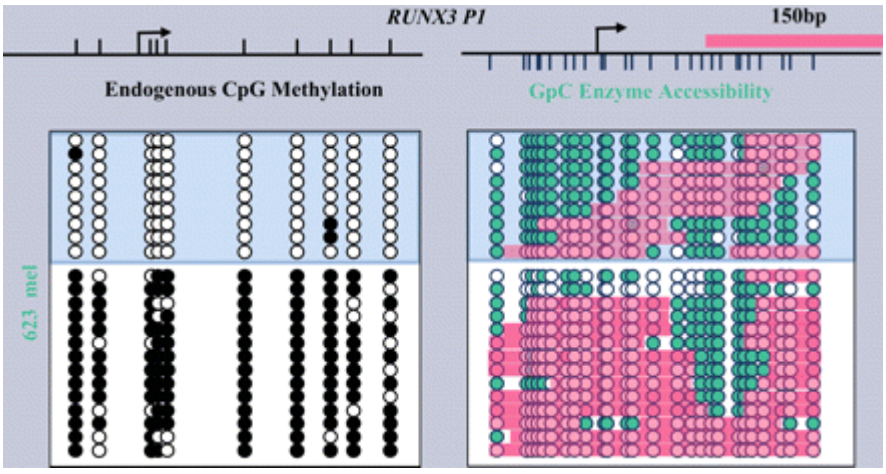




http://www.the-scientist.com/?articles.view/articleNo/44772/title/Reveling-in-the-Revealed/


A
CpG sites
GpC sites
M.CviPI
DNA purification
Bisulfite conversion
PCR amplification/cloning
Sequencing
Endogenous DNA methylation
Nucleosome occupancy
B
150bp
-2536
Distal Enhancer
DE
Proximal Enhancer
-1028
-604
PE
PP
OCT4
150 bp
Proximal Promoter
C
150bp
-675
NANOG
PP
Promoter (A)
Proximal promoter
NCCIT cells
HCT116 cells
DKO1 cells
Endogenous CpG methylation
GpC methyltransferase accessibility
64%
18%
20.6%
26.3%
75%
5.3%
1.9%
1.2%
3.3%
8.3%
5.7%
1.3%
2.4%
7.1%
10.2%

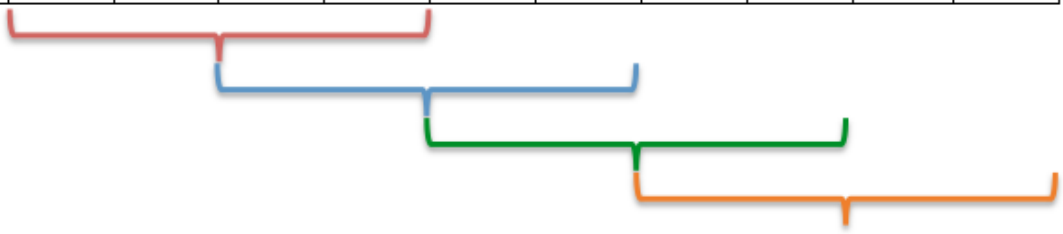




https://github.com/astatham/NOMe-seq-analysis/blob/master/NOMe.pdf
https://github.com/ying-w/bioinformatics-figures/tree/master/methylcircleplot

http://coleoguy.blogspot.com.au/2014/04/sliding-window-analysis.html

Genome	A	C	G	C	C	T	A	T	G	T
Measure	.5	.3	.6	.6	.1	.9	.5	.7	.9	.6



Result	.5	.55	.55	.675