Exercises 12

Genome-scale technologies 2/
Algorithmic and statistical aspects
of DNA sequencing

Ewa Szczurek
Szczurek@mimuw.edu.pl

Exercise 1
Nucleosome positioning in and out of DNase I hypersensitive sites.

Compare the nucleosome positions as identified by DANPOS (file
http://mimuw.edu.pl/~szczurek/TSG2/12_lab/DANPOS-output.txt)

with hypersensitive sites found using DNase I –seq
http://mimuw.edu.pl/~szczurek/TSG2/12_lab/DNASE-output.txt.csv

Concentrate on chromosome 2L and embryo stage 9.

Compute the density of nucleosomes found in
      DNase I hypersensitive sites
      Outside the hypersensitive sites.