

Average DNA methylation
ratio calculation of promoter
regions



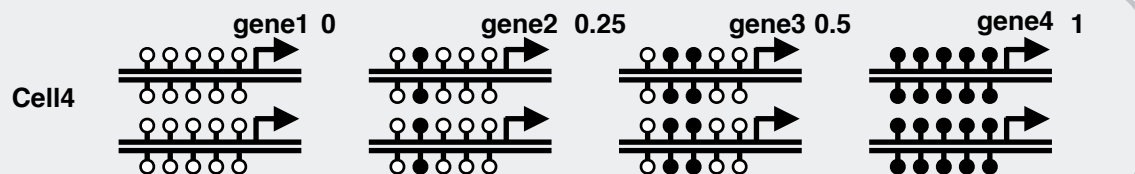
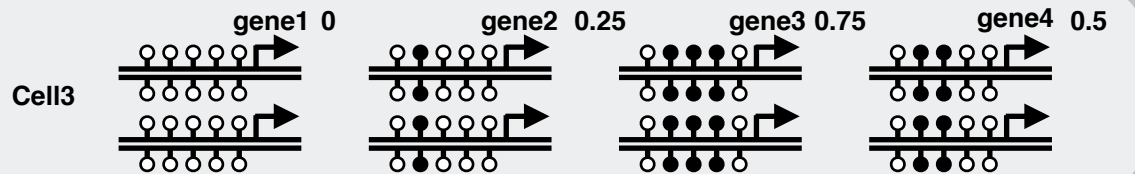
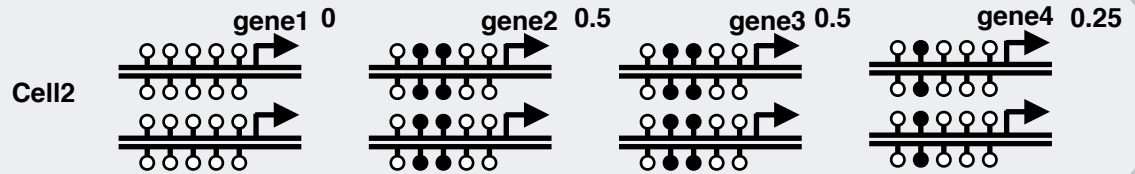
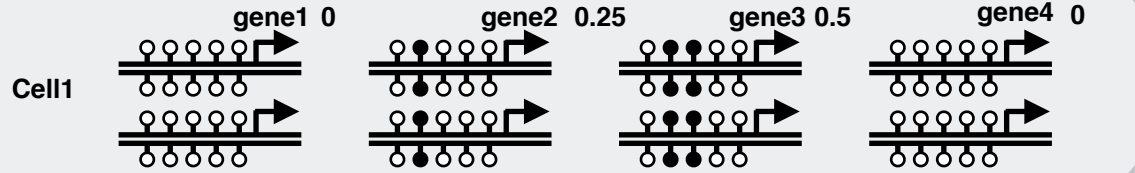
Methylation classification of
average DNA methylation
ratio



Cell proportion counting of
each methylation class



Heterogeneity score
calculation based on Gini
index



State	Proportion (%)
S1	100
S2	0
S3	0
S4	0
S5	0

State	Proportion (%)
S1	0
S2	75
S3	25
S4	0
S5	0

State	Proportion (%)
S1	0
S2	0
S3	75
S4	25
S5	0

State	Proportion (%)
S1	25
S2	25
S3	25
S4	0
S5	25

	gene1	gene2	gene3	gene4
Average methylation level	0	0.3125	0.5625	0.4375
Heterogeneity score	0.2	0.3	0.3	0.8