



Genome

Supporting Structure

DNA

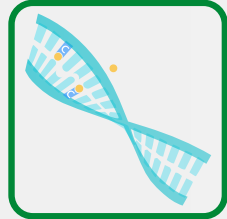
Platforms

(log₁₀ order of magnitude)

Microarrays (6)
Sequencing (9)

Features

Categorical data
Distance-driven correlation
Extremely stable over time



Epigenome

DNA methylation
Histone modifications
Non-coding RNA

Microarrays (5)
Bisulfite sequencing (1)

Continuous data
Affected by time and exposures
(with reduced plasticity)



Transcriptome

mRNA

Microarrays (5)
RNA sequencing (9)

Continuous data
Affected by time and exposures
Strong measurement noise

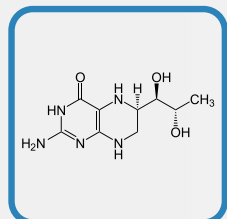


Proteome

Proteins

Microarrays (5)
Mass spectrometry (5)

Continuous data
Affected by time and exposures



Metabolome

Small molecules

Mass spectrometry (5)
NMR spectroscopy (4)

Continuous data
Structured correlation
Strongly affected by exposures