GESTATIONAL AGE ASSESSMENT BY METHYLATION AND SIZE PROFILING OF MATERNAL PLASMA DNA

ABSTRACT

Temporal variations in one or more characteristics measured from a cell-free DNA sample are used to estimate a gestational age of a fetus. Example characteristics include the methylation level measured from the cell-free DNA sample, size of DNA fragments measured from the cell-free DNA sample (e.g., proportion of fetal-derived DNA fragments longer than a specified size), and ending patterns of the DNA fragments align to a reference genome.

[Fig. 8]