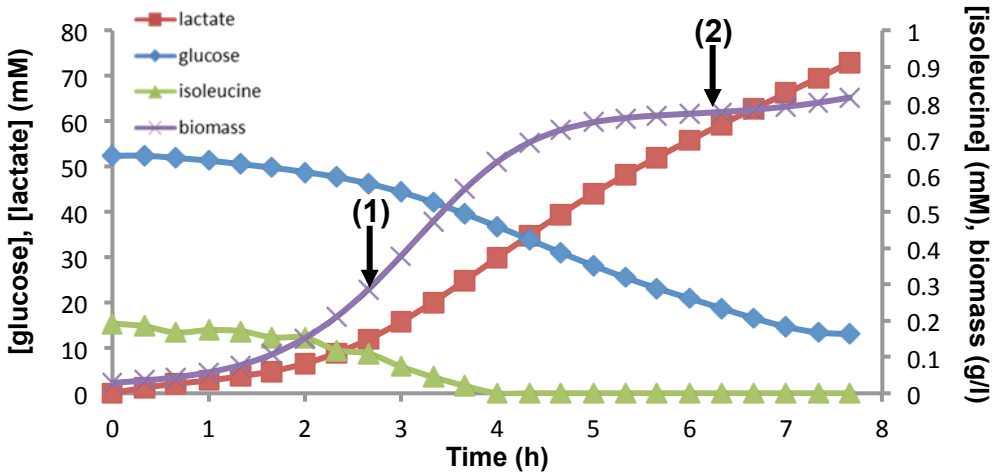


Batch culture of *L. lactis*

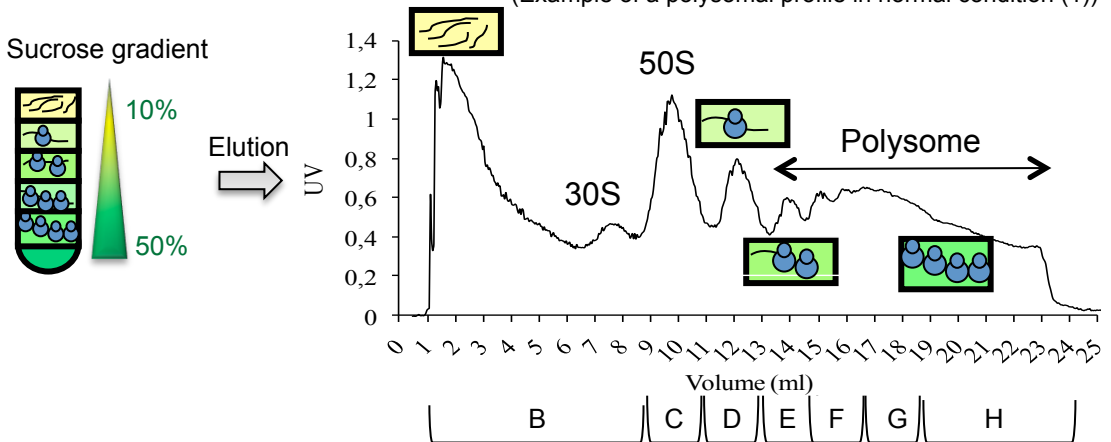


Sampling condition	Growth rate (h ⁻¹)	q _{glucose} (mmol.g ⁻¹ .h ⁻¹)	n _{lactate} (mmol.g ⁻¹ .h ⁻¹)
(1) normal	0.88	22 ± 3	42 ± 2
(2) stress : isoleucine depletion	0.05	7 ± 1	15 ± 1

Translation arrest with chloramphenicol and sampling

Size separation of ribosome-mRNA complexes according to ribosome number

(Example of a polysomal profile in normal condition (1))



Quantification of mRNA levels in each fraction by microarrays

Statistical data processing

Determination of the number of ribosomes bound to each mRNA molecules

