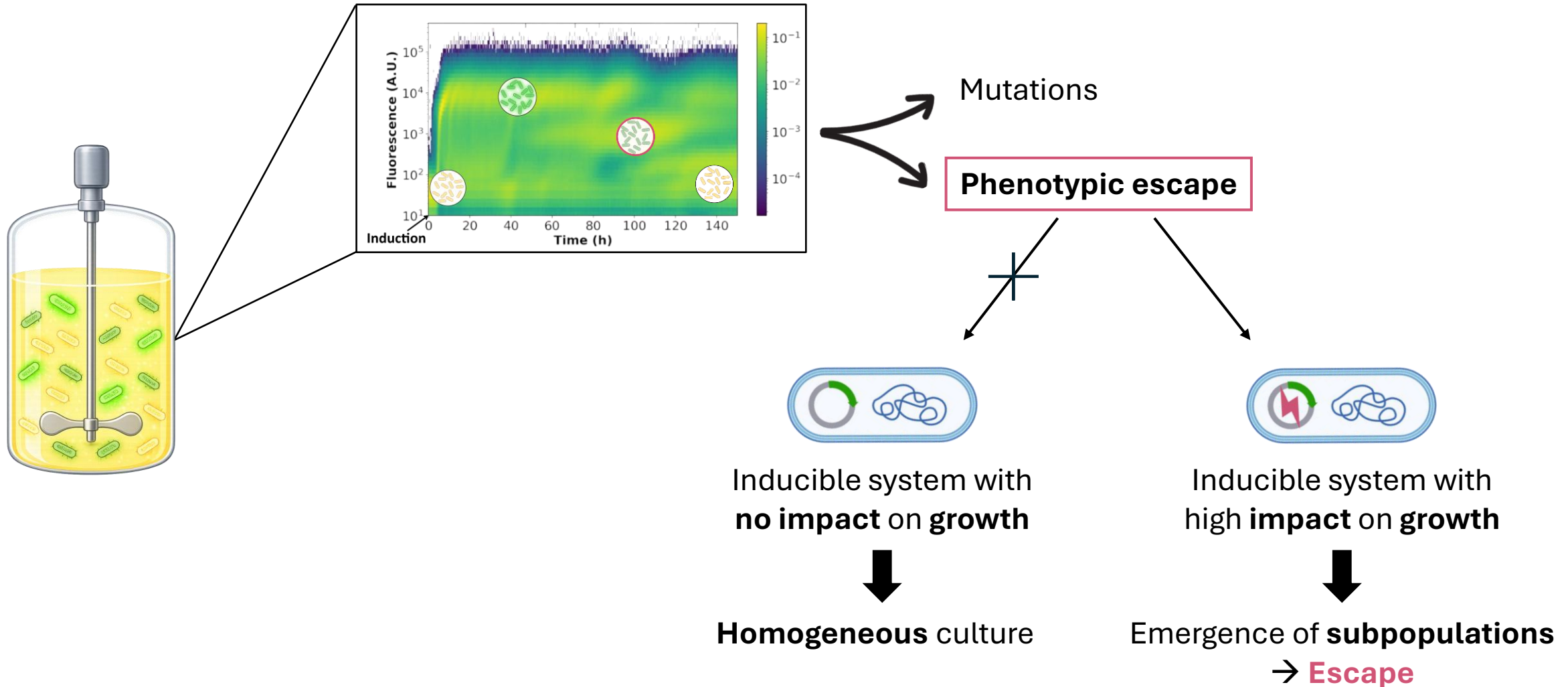


Controlling microbial population instability in continuous cultivation: impact of switching cost and phenotypic escape

Alizée Sloodts^a, Tiphaine Gallet de Saint Aurin^a, Lucas Henrion^a, Laurie Josselin^a, Juan Andres Martinez^a, Samuel Telek^a, Andrew Zicler^a, Frank Delvigne^{a,*}

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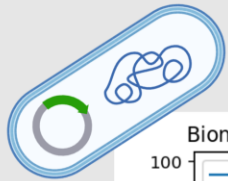
This work is supported by the French Community of Belgium as part of the funding of a FRIA grant.



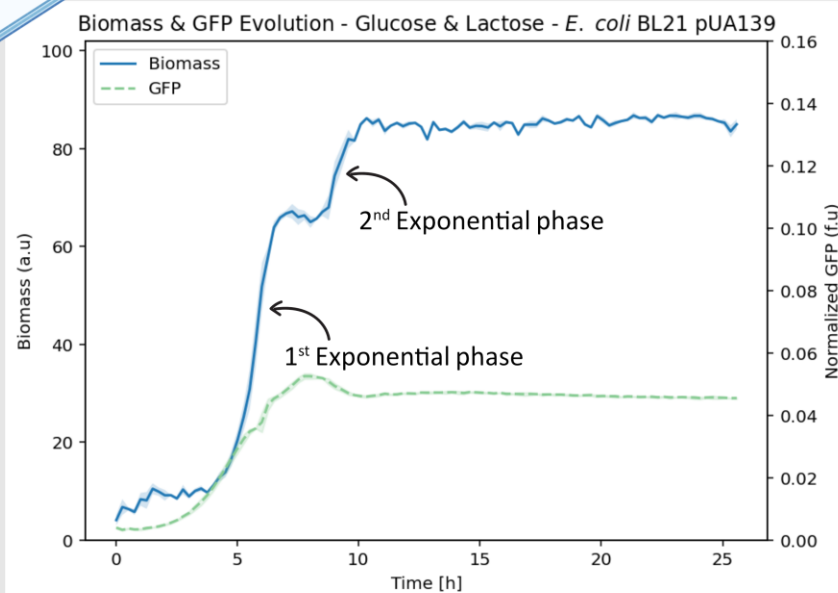
6 RESULTS

COMPARISON OF GROWTH DYNAMICS UPON LOW AND HIGH IMPACTING SYSTEMS

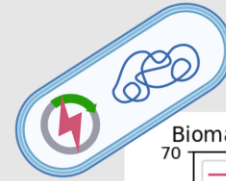
E. coli BL21 and *E. coli* BL21(DE3) on a mix of glucose and lactose



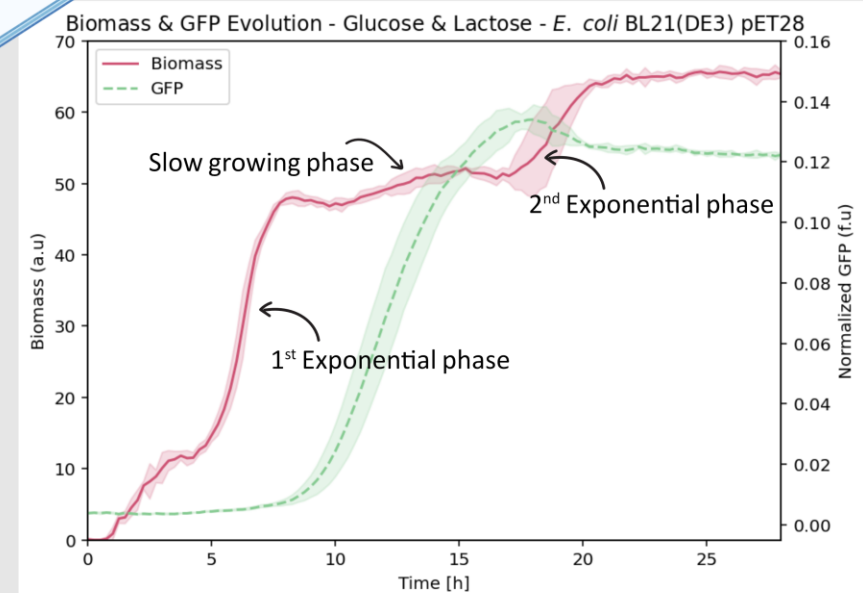
Low growth impacting system



- Classical diauxic growth



High growth impacting system



- Three distinct growing phases