

Please, find in this document the measured IPTG distribution profiles of the nine fermentations induced with IPTG when 20 g DCW·L⁻¹ were achieved.

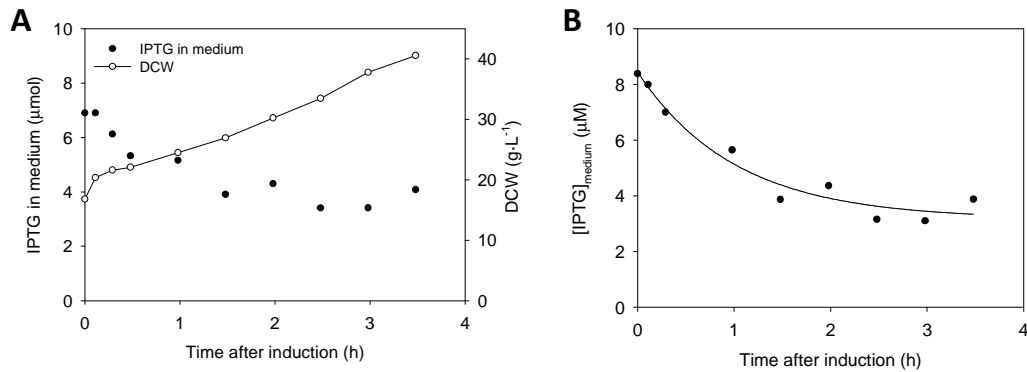


Figure Error! No hi ha text de l'estil especificat en el document..1 IPTG distribution profiles in medium in terms of amount (μmol) along with the biomass evolution (A) and in terms of concentration (μM) (B) after induction of RhuA overexpression with 8 μM IPTG. Solid line indicates the fitted curve. Fermentation code: FB1

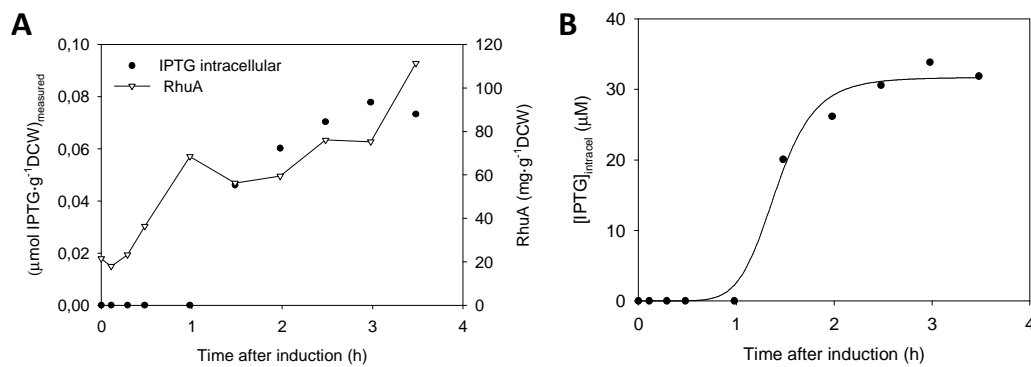


Figure Error! No hi ha text de l'estil especificat en el document..2 IPTG distribution profiles inside the biomass in terms of amount ($\mu\text{mol} \cdot \text{g}^{-1} \text{DCW}$) along with the specific RhuA production (A) and in terms of concentration (μM) (B) after induction of RhuA overexpression with 8 μM IPTG. Fermentation code: FB1

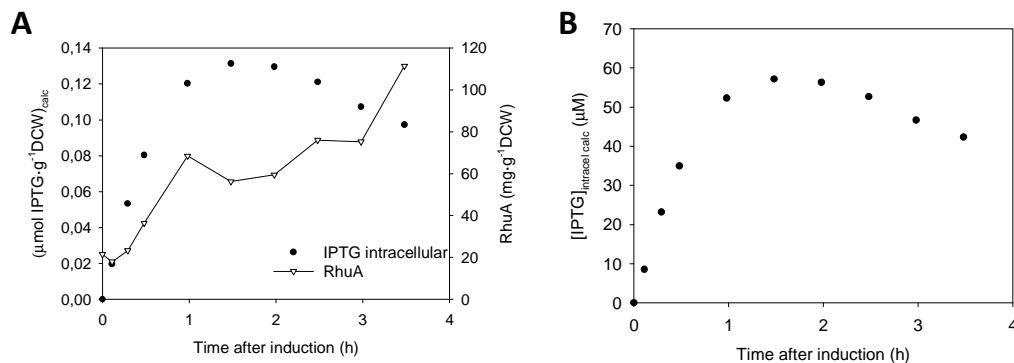


Figure Error! No hi ha text de l'estil especificat en el document..3 Calculated IPTG distribution profiles inside the biomass in terms of amount ($\mu\text{mol} \cdot \text{g}^{-1} \text{DCW}$) along with

the specific RhuA production (A) and in terms of concentration (μM) (B) after induction of RhuA overexpression with $8 \mu\text{M}$ IPTG. Fermentation code: FB1

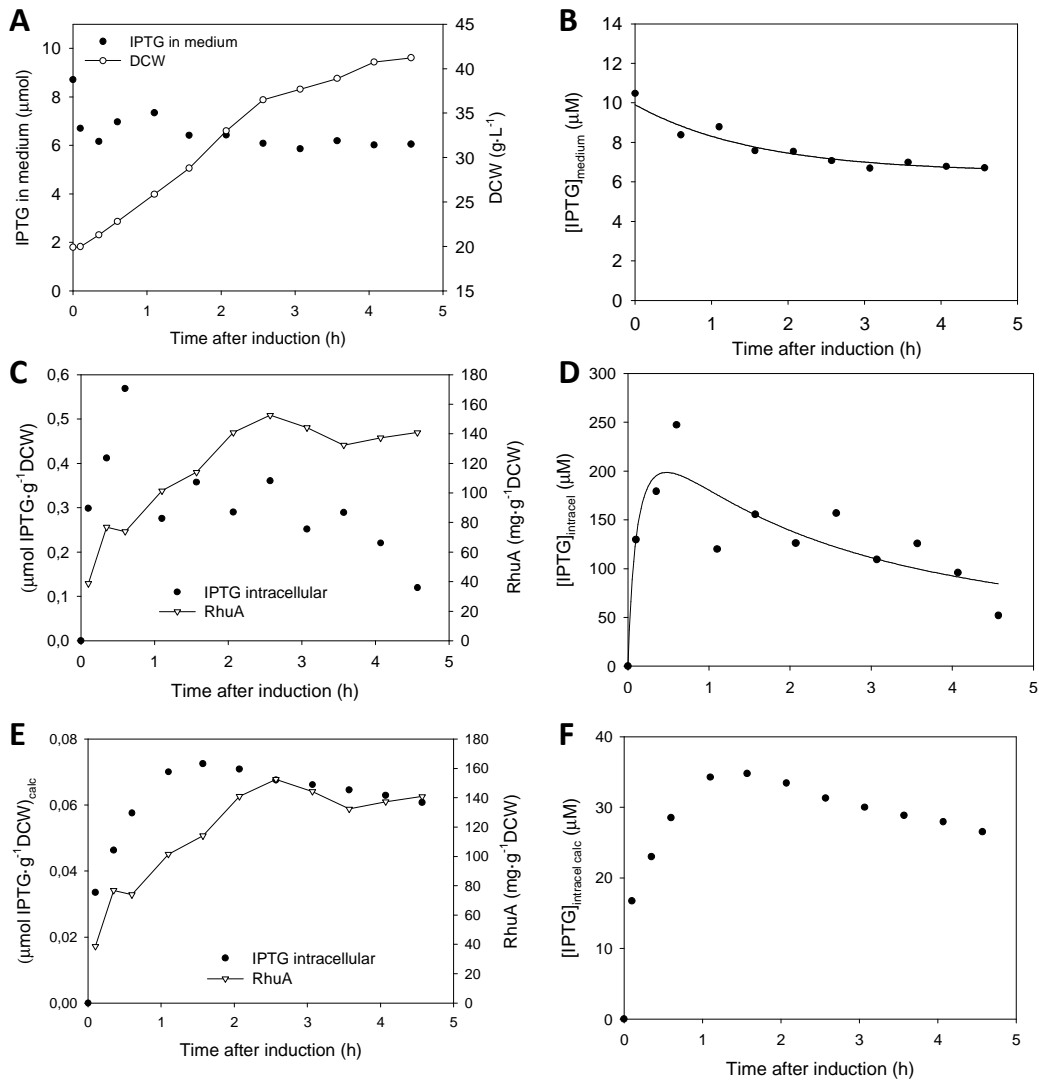


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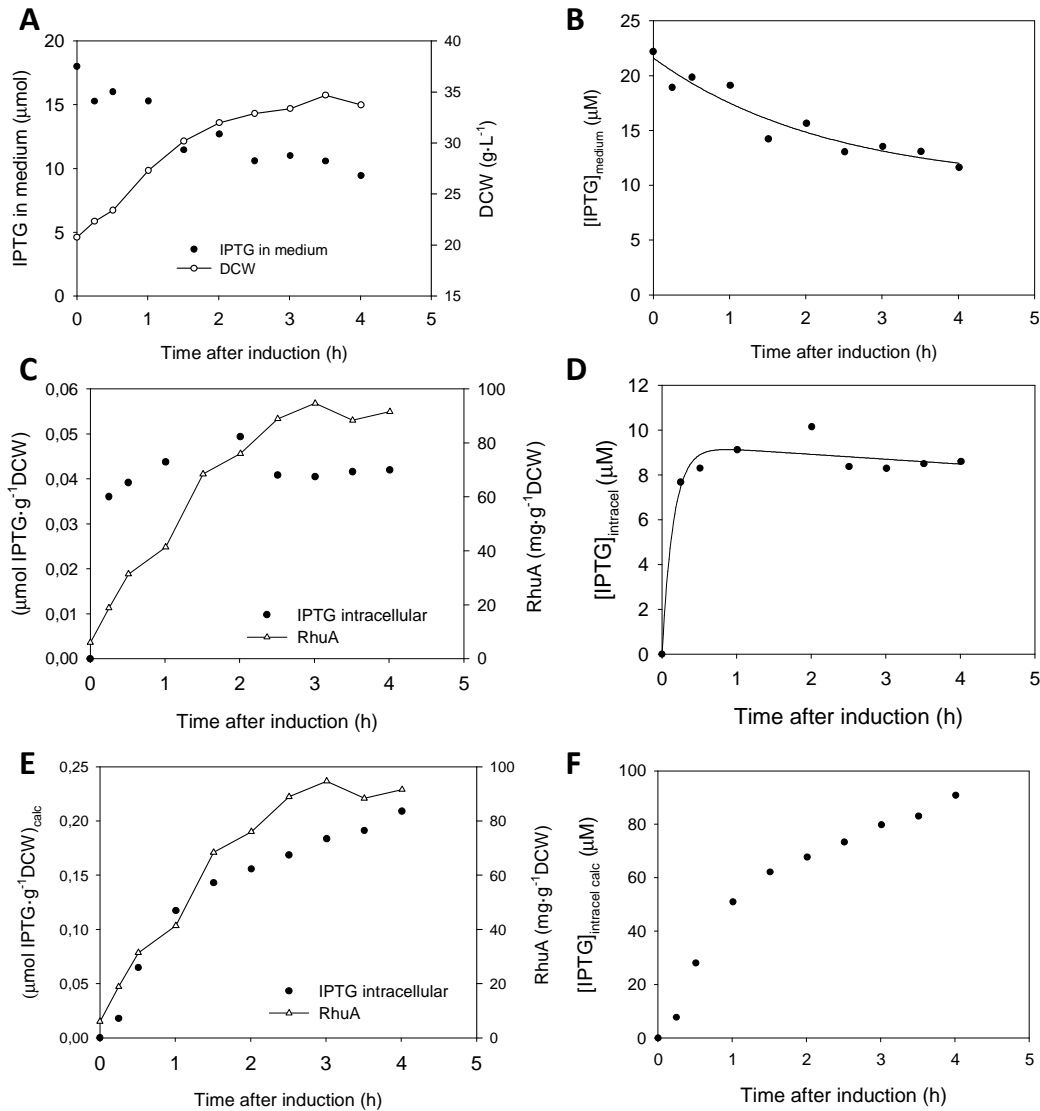


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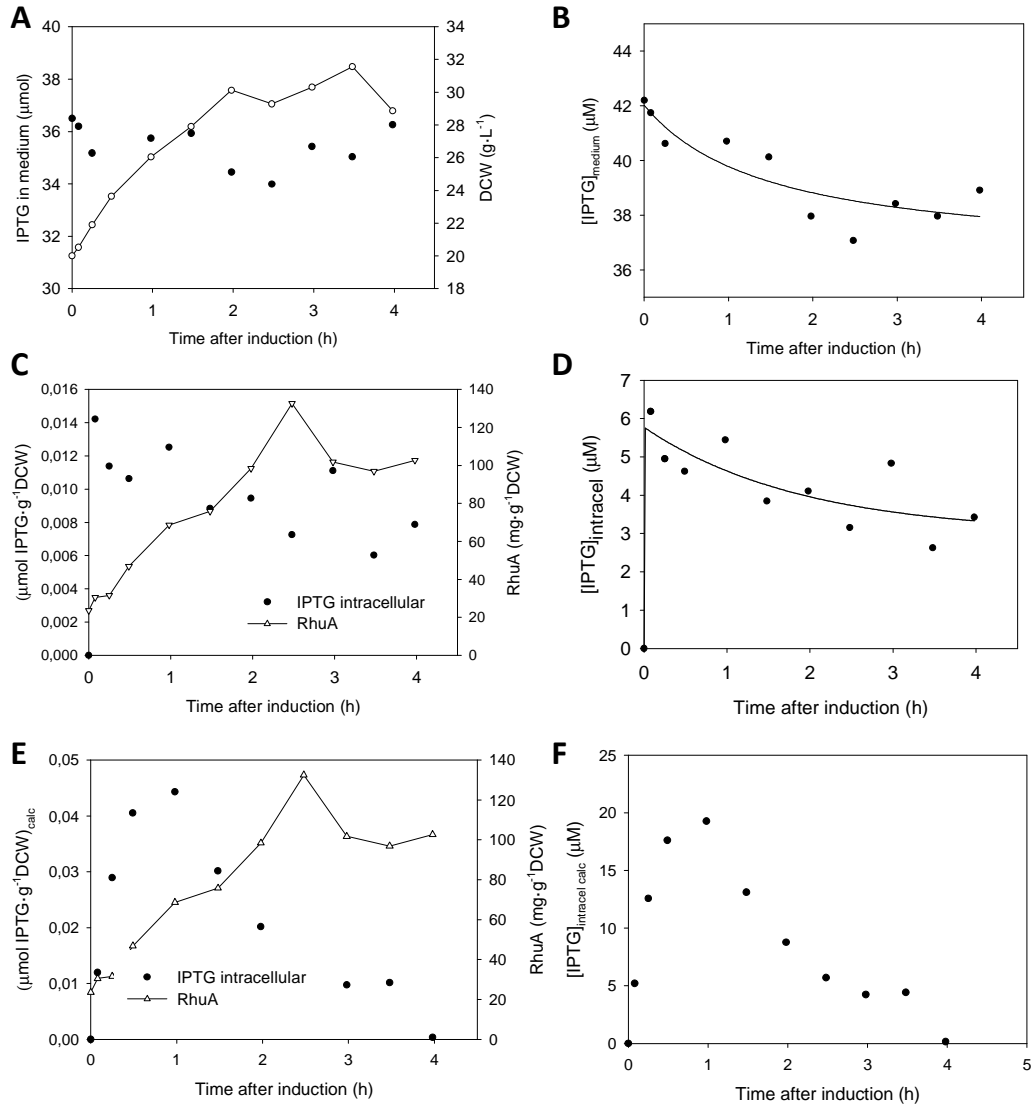


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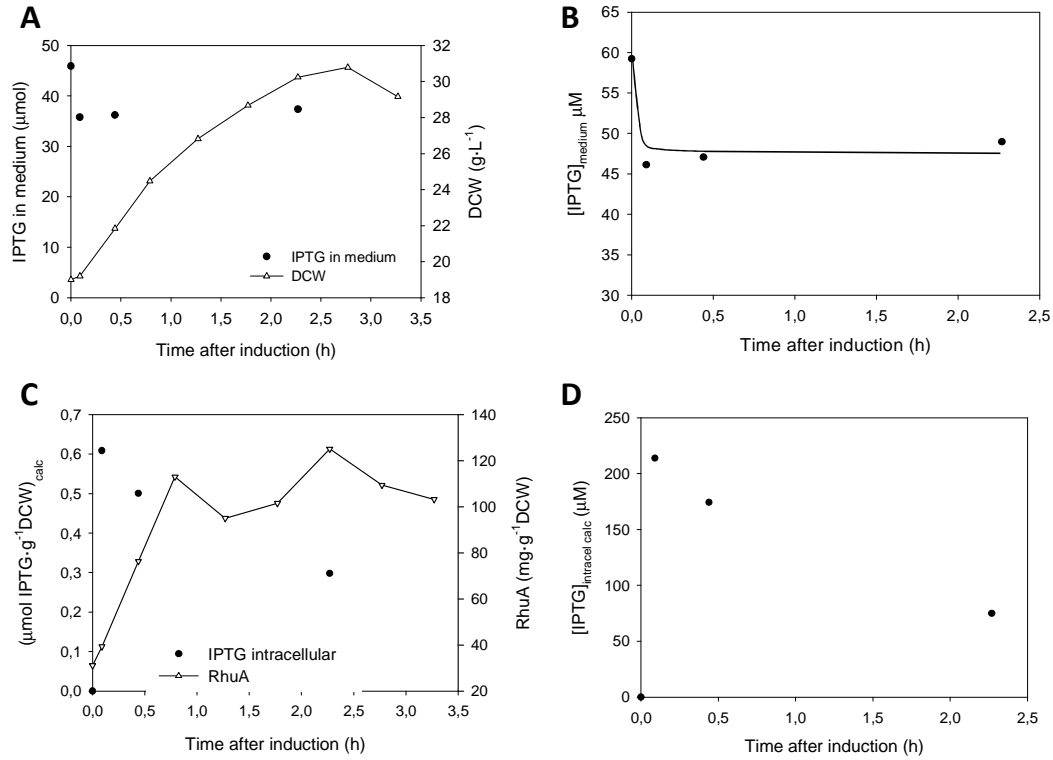


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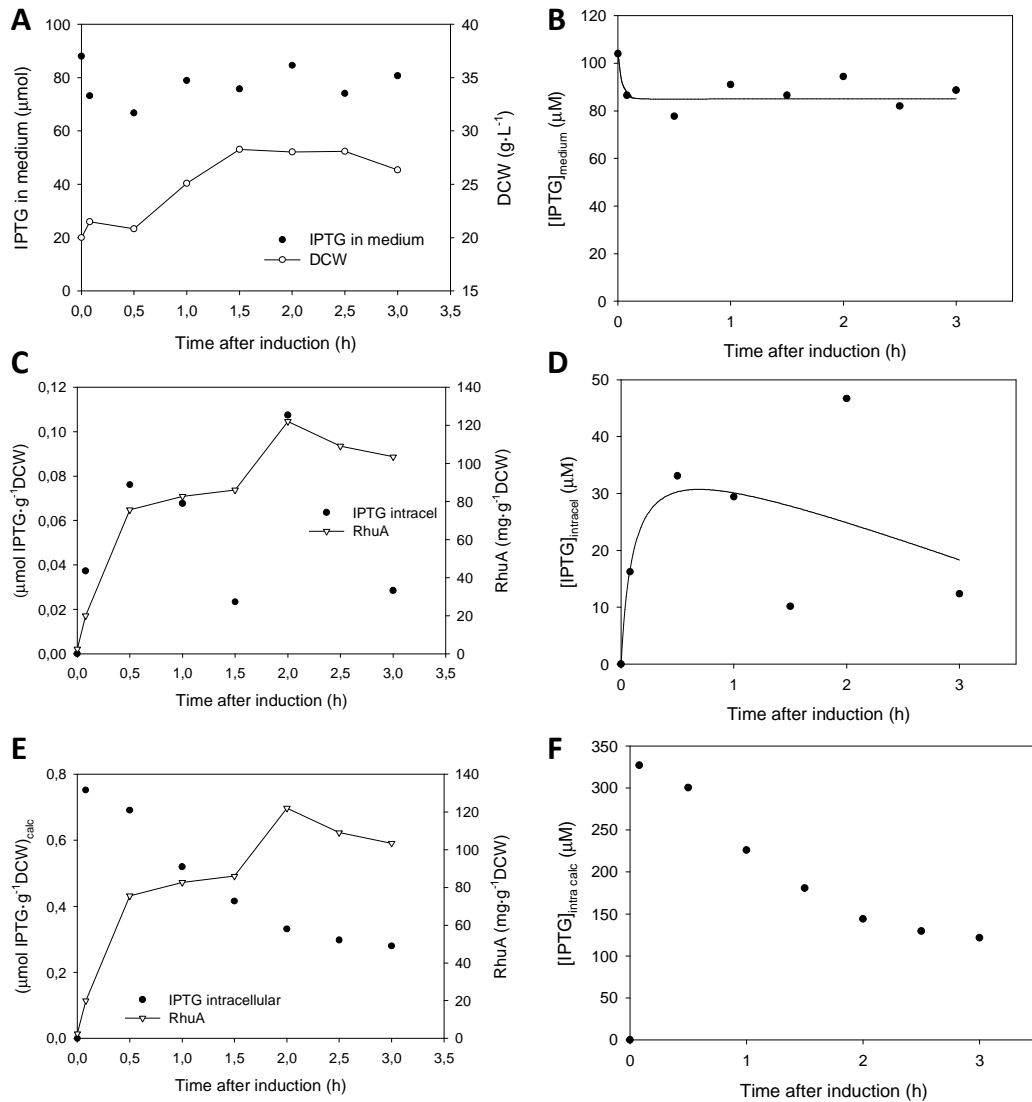


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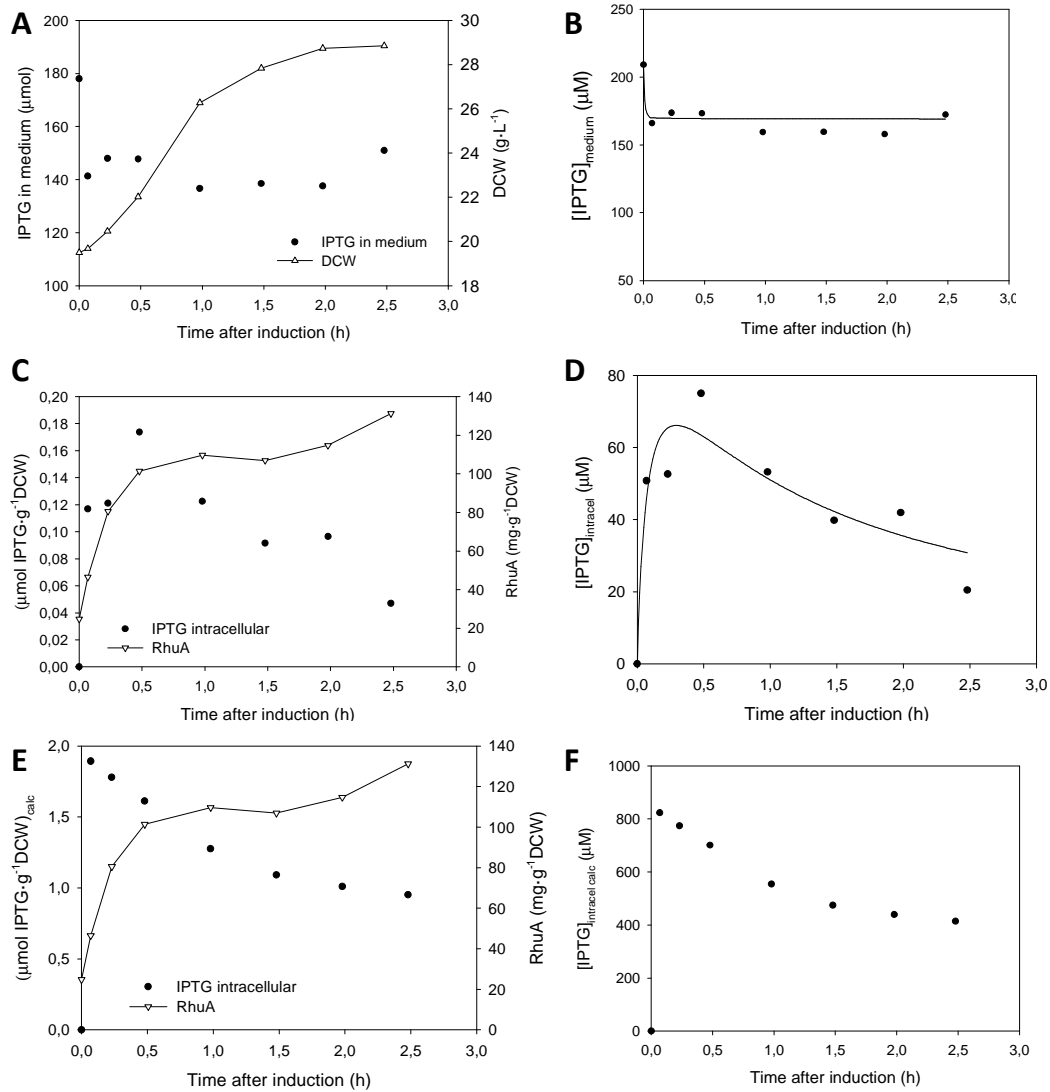


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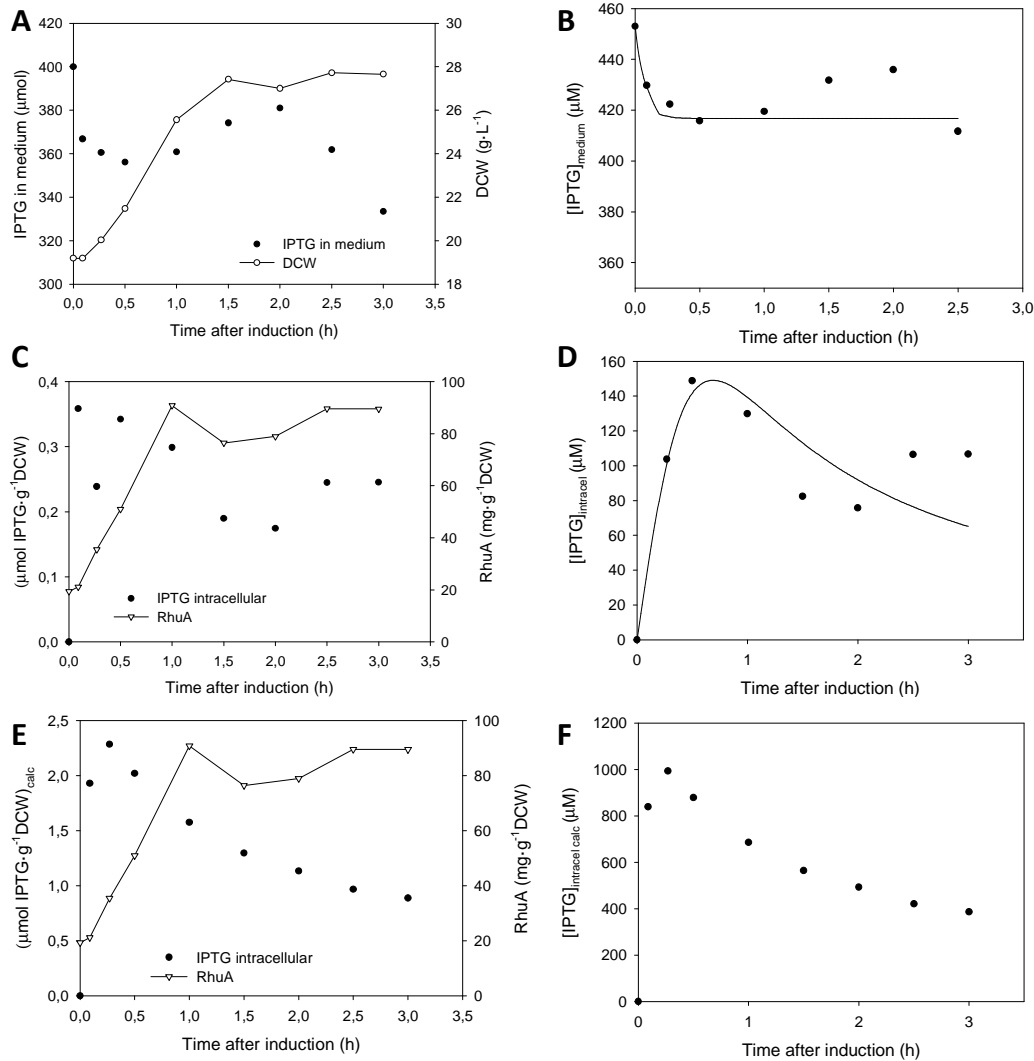


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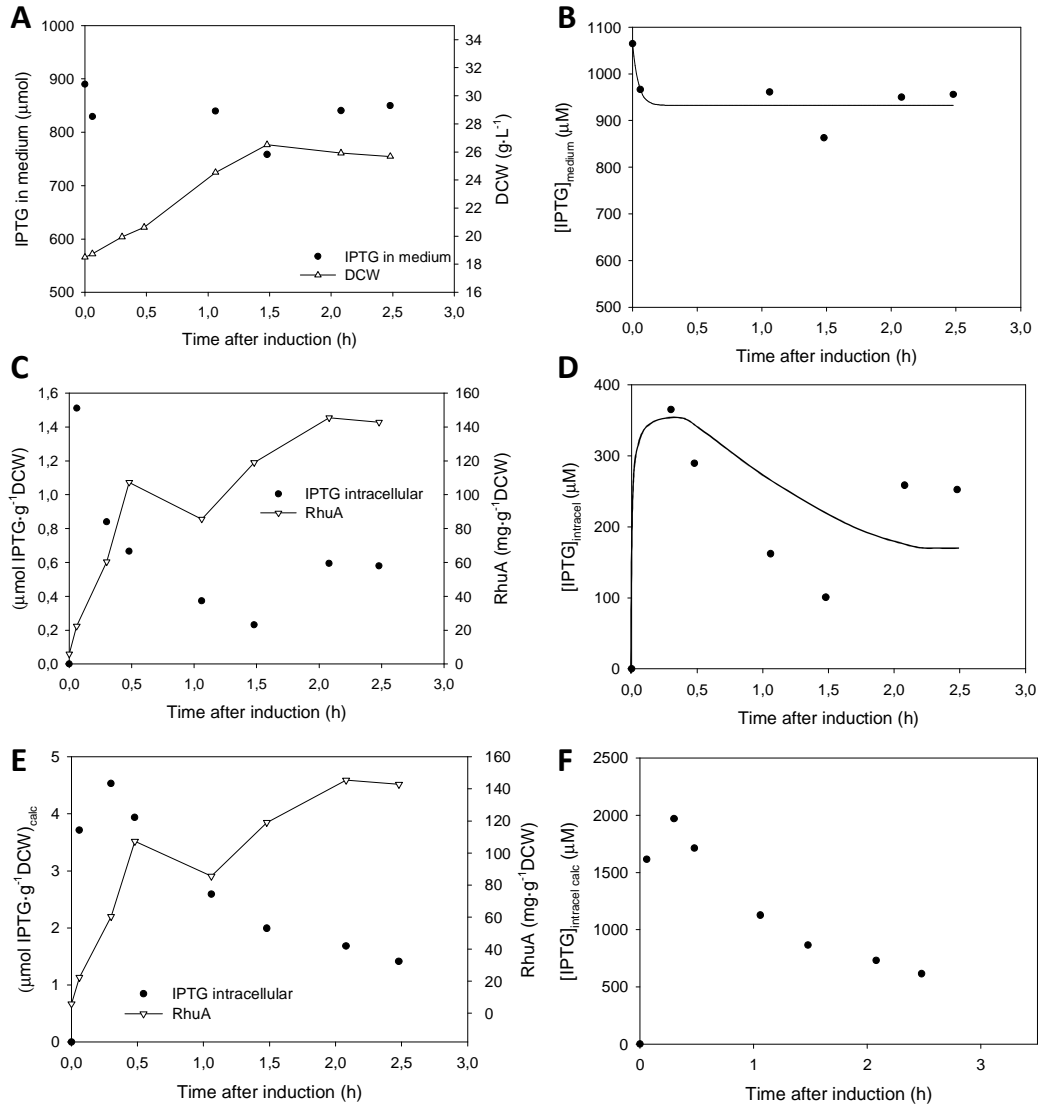


Figure Error! No hi ha text de l'estil especificat en el document..11 IPTG distribution profiles along time after induction of RhuA overexpression with IPTG 1000 μM. (A) in medium in terms of amount (μmol) along with the biomass evolution, (B) in terms of concentration (μM) and the obtained fitted curve, (C) inside the biomass in terms of amount (μmol·g⁻¹DCW) along with the specific RhuA production, (D) inside the biomass in terms of concentration (μM), (E) calculated inside the biomass in terms of amount (μmol·g⁻¹DCW) along with the specific RhuA production and (F) calculated inside the biomass in terms of concentration (μM). Fermentation code: FB9