CORRECTION Open Access



Correction to: High-value biomass from microalgae production platforms: strategies and progress based on carbon metabolism and energy conversion

Han Sun^{1,2}, Weiyang Zhao^{1,2}, Xuemei Mao^{1,2}, Yuelian Li^{1,2}, Tao Wu^{1,2} and Feng Chen^{1,2*}

Correction to: Biotechnol Biofuels (2018) 11:227

https://doi.org/10.1186/s13068-018-1225-6

Following publication of this article [1] the authors noted that there is a redundant icon in Fig. 1. A replacement Fig. 1 can be found here.

Full list of author information is available at the end of the article



^{*}Correspondence: sfchencoe@pku.edu.cn

² BIC-ESAT, College of Engineering, Peking University, Beijing 100871,

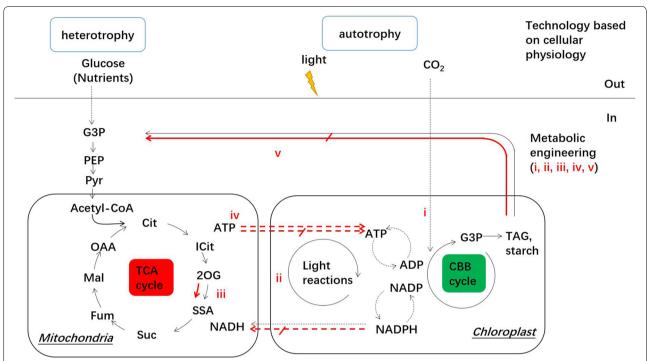


Fig. 1 Carbon metabolism and energy conversion in glycolysis, CBB and TCA. In carbon fixation of microalgae, the metabolic engineering is traditionally focused on efficiency of CBB cycle and light reactions in chloroplast (i and ii). Advances have noticed that engineering TCA cycle increases the carbon fixation (iii and iv). Coupling carbon and energy fluxes have proposed as the trends of metabolic engineering in microalgae (v). The traditional technology based on cellular physiology focuses on conditions of CO₂, light and nutrient in microalgae cultivation. The carbon metabolites: *G3P* glyceraldehyde-3-phosphate, *PYR* pyruvate, *PEP* phosphoenolpyruvate, *OAA* oxaloacetate, *MAL* malate, *FUM* fumarate, *SSA* succinyl semialdehyde, *SUC* succinate, *2OG* 2-oxoglutarate, *CIT* citrate, *G3P* glyceraldehyde 3-phosphate

Author details

 1 Institute for Food & Bioresource Engineering, College of Engineering, Peking University, Beijing 100871, China. 2 BIC-ESAT, College of Engineering, Peking University, Beijing 100871, China.

The original article can be found online at https://doi.org/10.1186/s1306 8-018-1225-6.

Publisher's Note

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

Reference

 Sun H, Zhao W, Mao X, Li Y, Wu T, Chen F. High-value biomass from microalgae production platforms: strategies and progress based on carbon metabolism and energy conversion. Biotechnol Biofuels. 2018;11:227. https://doi.org/10.1186/s13068-018-1225-6.