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Title: Improvement of extracellular lipase production by a newly isolated *Yarrowia lipolytica* mutant and its application in the biosynthesis of L-ascorbyl palmitate

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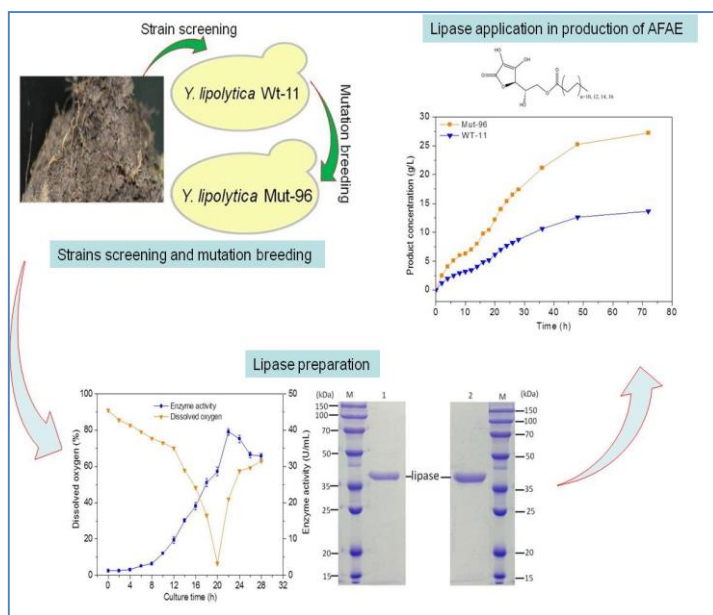
Improvement of extracellular lipase production by a newly isolated *Yarrowia lipolytica* mutant and its application in the biosynthesis of L-ascorbyl palmitate

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Graphical abstract



Highlights

- A newly isolated strain that produces an extracellular lipase was identified as *Yarrowia lipolytica* Wt-11.
- *Y. lipolytica* Mut-96 with higher lipase activity were obtained by mutation breeding after screening.
- The synthesis of L-ascorbyl palmitate catalyzed by lipases in organic media was investigated.
- The L-ascorbyl palmitate can be produced by purified Wt-11 and Mut-96 lipases at 14.8 and 27.5 g/L.

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