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Isolation of *Penicillium expansum* WH-3 for the production of L(+)- tartaric acid

Key words: L(+)-Tartaric acid, *cis*-Epoxy succinate hydrolase (CESH), *Penicillium expansum*, Isolation

Research Summary

This research aimed to isolate novel *cis*-epoxysuccinate hydrolase-producing fungus for production of L(+)-tartaric acid with new characteristics.

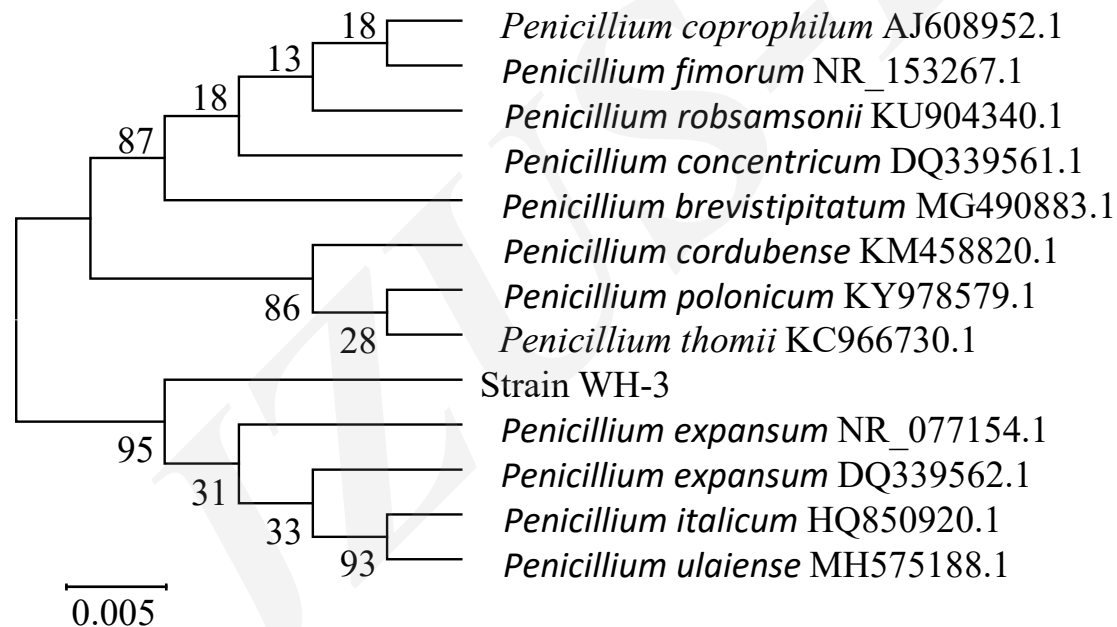


Figure 1

Penicillium expansum WH-3 was isolated and identified.

Innovation points

- *P. expansum* WH-3 was the second reported fungus for L(+)-tartaric acid production.
- Its mycelial pellet could catalyze at pH 4.5 with high concentration of substrate.

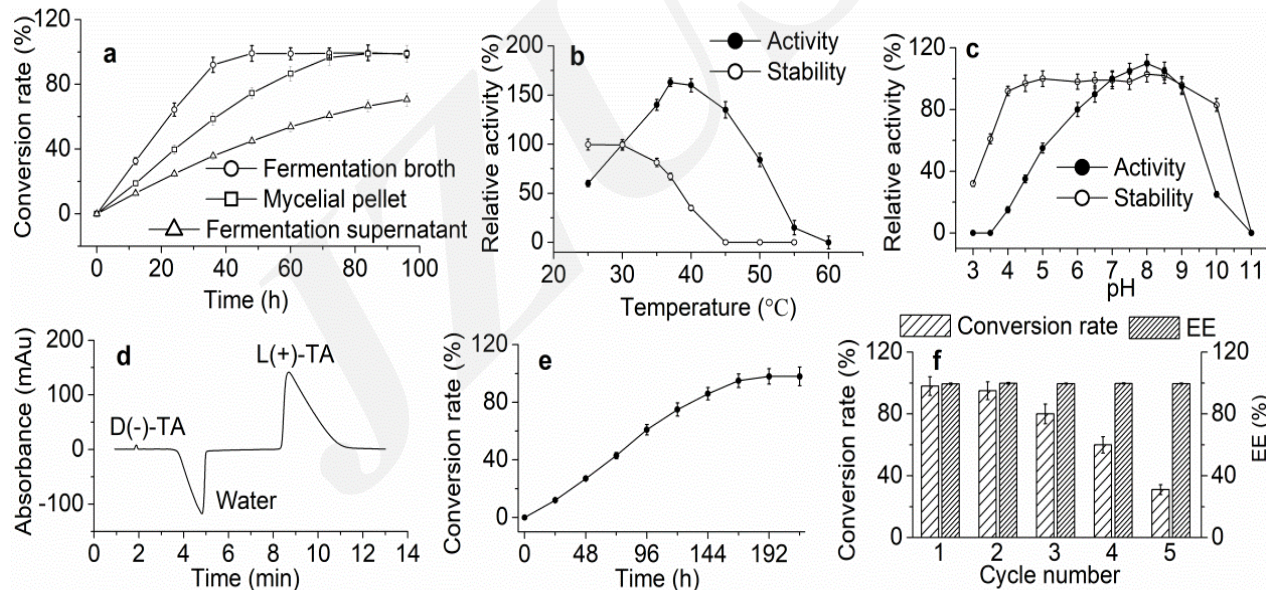


Figure 4