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# **A strategy for soluble overexpression and biochemical characterization of halo-thermotolerant *Bacillus* laccase in modified *E. coli***

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## **Highlights**

- Laccase gene from newly isolated *Bacillus* sp. SL-1 was cloned and overexpressed.
- A method was introduced for soluble expression of laccase in Origami strain.
- The laccase activity under different oxygen availability was investigated.
- The produced laccase retained 50% activity after one hour incubation at 70°C.
- The enzyme was resistant to various inhibitors and organic solvents.

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