

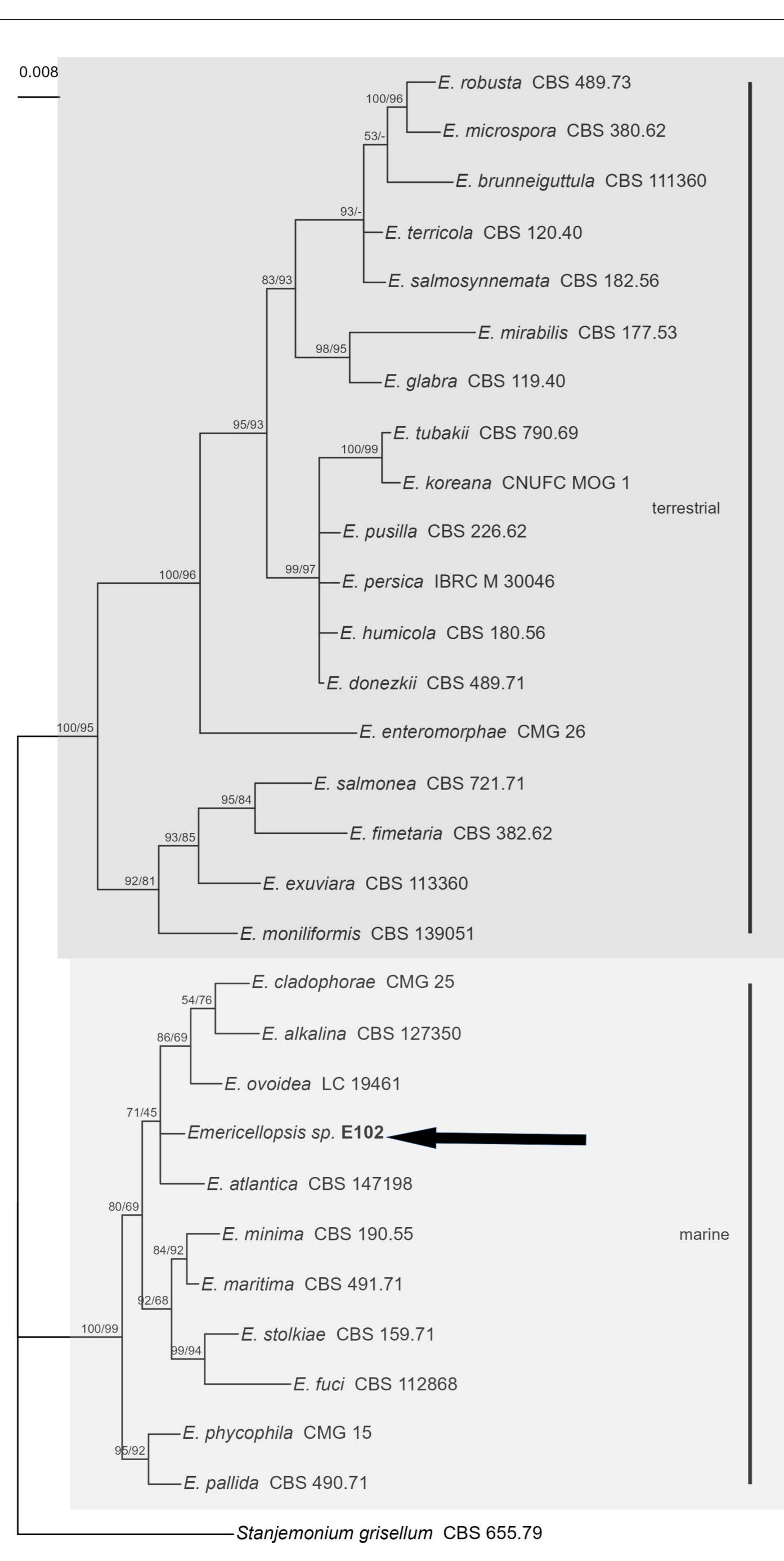
Antimicrobial potential of *Emericellopsis* sp. E102 strain and isolation of new compound with antibacterial activity against Gram-negative bacteria

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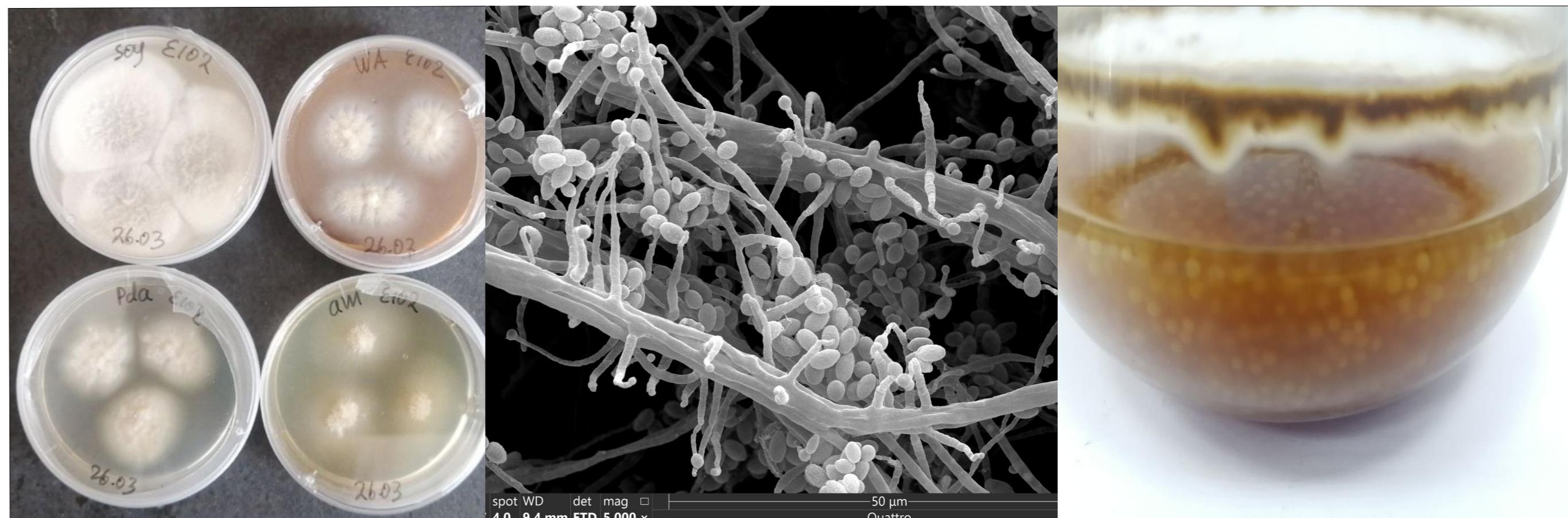
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Strain *Emericellopsis* sp. E102, based on molecular and phylogenetic constructions (Bayesian inference of phylogeny, ITS1-5.8s-ITS2 and b-tubulin), is allocated into a separate clade within the marine clade of *Emericellopsis* and is presumably a new species



The ethyl acetate extract of the E102 strain demonstrated significant efficacy against a concentration of 1,000 µg/mL, resulting in inhibition zones measuring 20 - 30 mm against *Escherichia coli*, ATCC 25922; *Klebsiella pneumonia*, ATCC 700603; *Pseudomonas aeruginosa*, ATCC 27853; *Bacillus subtilis*, ATCC 6633; *Staphylococcus aureus*, ATCC 29213; and *Enterococcus faecalis*, ATCC 29212.

