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(54) Title: BIOSYNTHESIS OF LINALLOOL

(57) Abstract: The present application relates to host cells comprising genes of the mevalonate and linalool pathways, wherein the linalool pathway genes comprise more than one diphosphate synthase gene, prenyltransferase gene or combinations thereof, and at least one linalool synthase gene, methods as well as kits for producing linalool. In an embodiment, the host cell is an *Escherichia coli* cell.

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