

A Lectin-Like Receptor Kinase Leads to Enhanced Mycorrhization in Plants

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Technology Summary

The lectin-like receptor kinase's primary application will be enhancement of interaction between beneficial microbes and economically important crop plants for increased biomass production, efficient acquisition of water and nutrients in marginal agricultural lands. In addition, this gene can be used in highly specific detection of certain microbes in environmental applications. The gene can also be used as a molecular sensor for simple or complex carbohydrates. DNA sequence information of this gene can be used as a molecular marker for screening plant germplasm for ability to facilitate colonization by beneficial microbes and species identification.

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