# Genetic Diversity and Taxon-Specific Primers of Arbuscular Mycorrhizal Fungi Associated with Florida Sea Oats. (S03-kaonongbua134653-Poster)

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### Abstract:

Genetic analysis of three geographical isolates of Glomus deserticola Trappe, Bloss and Menge, an arbuscular mycorrhizal (AM) fungus associated with sea oat (Uniola paniculata L.), the dominant grass species growing in the pioneer zone of coastal dunes, were conducted to determine the degree and pattern of genetic differentiation. G. deserticola were collected from two locations on the Atlantic coast (Anastasia State Recreation Area and Sebastian Inlet State Recreation Area) and one on the Gulf (St. George Island State Park) coast. The genetic variations were determined based on sequences of their LSU rDNA. A taxon-specific primer pair was also developed for PCR targeting a portion of LSU rDNA of Scutellospora weresubiae, another AM fungus commonly recovered from Florida coast.

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