Dataset of genome identification and characterization of microsatellite markers loci in Atriplex atacamensis and Atriplex deserticola

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In this work, we partially sequenced genomes of two Atriplex species (A. deserticola Phil. and A. atacamensis Phil.), using Illumina technology (Hiseq 2500 paired-end system) and de novo assembly strategy. Raw data of A. deserticola and A. atacamensis are available from NCBI-Bioproject, PRJNA495747 and PRJNA495763 accessions, respectively. A total of 127086 and 134984 microsatellite or simple sequence repeat (SSR) markers were identified within A. deserticola and A. atacamensis genomic DNA, respectively. In addition, predicted putative genes in A. deserticola and A. atacamensis sequences are also presented in this article.

Atriplex

Microsatellite

Molecular markers

Simple sequence repeat

SSR