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**Title:** Genome sequence of *Ensifer medicae* Di28; an effective N-2-fixing microsymbiont of *Medicago murex* and M-polymorpha  
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**Abstract:** *Ensifer medicae* Di28 is an aerobic, motile, Gram-negative, non-spore-forming rod that can exist as a soil saprophyte or as a legume microsymbiont of *Medicago* spp. Di28 was isolated in 1998 from a nodule recovered from the roots of *M. polymorpha* growing in the south east of Sardinia (Italy). Di28 is an effective microsymbiont of the annual forage legumes *M. polymorpha* and *M. murex* and is capable of establishing a partially effective symbiotic association with the perennial *M. sativa*. Here we describe the features of *E. medicae* Di28, together with genome sequence information and its annotation. The 6,553,624 bp standard draft genome is arranged into 104 scaffolds of 104 contigs containing 6,394 protein-coding genes and 75 RNA-only encoding genes. This rhizobial genome is one of 100 sequenced as part of the DOE Joint Genome Institute 2010 Genomic Encyclopedia for Bacteria and Archaea-Root Nodule Bacteria (GEBA-RNB) project.

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