

BioNanoScience 2017 vol.7 N2, pages 323-325

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# Plasticity of Mycoplasmas: Changes in the Genomic Profile, as well as in the Cellular and Vesicular Proteomes of the *Acholeplasma laidlawii* in Adapting the Bacterium to Different Environmental Conditions

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## Abstract

© 2016, Springer Science+Business Media New York. For the first time as a result of the comparative analysis of proteomes of cells and extracellular vesicles, as well as the complete nucleotide sequence of *Acholeplasma laidlawii* cells under various conditions of growth of the mycoplasma, the evidence of a high level of plasticity of this bacterium, providing a rapid adaptation to stressors associated with the SOS response, was obtained. The battery of genes with targeted potential for the infekta control system using CRISPR tools was revealed.

<http://dx.doi.org/10.1007/s12668-016-0362-2>

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## Keywords

Extracellular vesicles, Genome, Mycoplasma, Plasticity, Proteome

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