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Ruegeria pomeroyi DSS-3 gene annotations - April 2020

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1 Works for me dx.doi.org/10.17504/protocols.io.bepvjdn6

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ABSTRACT

Ruegeria pomeroyi DSS-3 is an alphaproteobacterium isolated in 1998 from coastal Georgia, USA, seawater by enriching for growth on the organic sulfur compound dimethylsulfoniopropionate (DMSP) (González and Moran 1997, Buchan et al. 2001).

R. pomeroyi is a member of the Roseobacter group, which consists of marine bacteria within the family Rhodobacteraceae that are important members of bacterioplankton communities in coastal and open oceans. *R. pomeroyi* grows quickly in the laboratory and has a genetic system. Since its genome sequence became available in 2004 (Moran et al., 2004), *R. pomeroyi* has been serving as a model organism for studies of the biogeochemical, ecological, and physiological strategies of heterotrophic marine bacteria.

This document catalogs the current manually curated gene annotations of the *Ruegeria pomeroyi* DSS-3 genome, updated as of April, 2020.

EXTERNAL LINK

http://www.roseobase.org

THIS DOCUMENT ACCOMPANIES THE FOLLOWING PUBLICATION

Moran, M. A., A. Buchan, J. M. González, J. F. Heidelberg, W. B. Whitman, R. P. Kiene, J. R. Henriksen, G. M. King, R. Belas, C. Fuqua, L. Brinkac, M. Lewis, S. Johri, B. Weaver, G. Pai, J. A. Eisen, E. Rahe, W. M. Sheldon, W. Ye, T. R. Miller, J. Carlton, D. A. Rasko, I. T. Paulsen, Q. Ren, S. C. Daugherty, R. T. Deboy, R. J. Dodson, A. S. Durkin, R. Madupu, W. C. Nelson, S. A. Sullivan, M. J. Rosovitz, D. H. Haft, J. Selengut, and N. Ward. 2004. Genome sequence of *Silicibacter pomeroyi* reveals adaptations to the marine environment. Nature 432:910-913.

Ruegeria pomeroyi DSS-3 annotations, current as of April 2020. Light yellow cells correspond to most recent changes. The NCBI (locus_tag) links the SPO numbers to the output from NCBI's automated Prokaryotic Genome Annotation Pipeline (PGAP).

Ruegeria pomeroyi DSS-3 gene annotations - April 2020.xlsx

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