2		Aquipuribacter nitratireducens sp. nov., a
4		novel bacterium isolated from a soil sample
5		of mud volcano. Andaman Islands, India
6		of find volcano, Andaman Islands, India.
7		
8		Srinivas, T. N. R. ¹ , Anil Kumar, P. ¹ , Tank, M. ² ,
9		Sunil, B. ¹ , Poorna Manasa ¹ , Zareena Begum ¹ ,
10		Shivaji S. ¹
11		
12		
13		¹ Centre for Cellular and Molecular Biology,
14		Uppal Road, Hyderabad-500 007, INDIA
15		² Leibniz-Institut für Meereswissenschaften, IFM-
16		GEOMAR, Marine Mikrobiologie, Düsternbrooker
17		Weg 20, D-24105 Kiel, Germany
18 10		
19 20		
20 21	Running title	Aquipuribacter nitratireducens sp. nov.
าา	J.	
22		
24	Address for correspondence	*Dr S Shivaji
25		Centre for Cellular and Molecular Biology
26		Uppal Road, Hyderabad-500 007, INDIA
27		Email: shivas@ccmb.res.in
28		Telephone: 00-91-40-27192504
29		Fax: 00-91-40-27160311
30		
31		
32	Subject category	New taxa (Actinobacteria)
33		
34		
35	The GenBank/EMBL/DDBJ acc	ession number for the 16S rRNA gene sequence of
36	strain AMV4 ^{T} is FN397670.	



First Dimension

Supplementary Fig. S1. Two-dimension thin-layer chromatogram of the total lipids of 40 Aquipuribacter nitratireducens AMV4^T. 41 The TLC plate was sprayed with 42 molybdatophosphoric acid. The first dimension was run from left to right and the second 43 dimension from bottom to the top. Abbreviations: PG, phosphatidylglycerol; GL, 44 unidentified glycolipid; PL, unidentified phospholipid; L, unidentified lipid. The the spots 45 were identified as phospho-, amino- or glyco-lipids by spraying with molybdenum blue, 46 ninhydrin and α -napthol reagents respectively.

47

39

- 48
- 49
- 50



0.01

Supplementary Fig. S2. Neighbour-joining phylogenetic tree, based on 16S rRNA gene sequences, showing the distant relationships between strain AMV4^T and representatives of the species belongs to the family *Intrasporangiaceae*, Numbers at the nodes are bootstrap values >50%. *Micrococcus luteus* DSM 20030^T was used as an out group. Bar, 0.01 substitutions per nucleotide position.