

Bacterial diversity in bentonites, engineered barrier for deep geological disposal of radioactive wastes

Microbial Ecology

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Online Resource 9 Affiliation of the 16S rRNA gene sequences of BII-2 bacterial clones

Clone	Accession no. EMBL	no. of clones	Closest phylogenetic relative/accession no.	% similarity	Isolation source
<i>Betaproteobacteria</i>					
BII-2-1	HG970692	3	<i>Hydrogenophaga</i> sp. Gsoil 1545 (AB271047)	99	soil of ginseng field
BII-2-2	HG970693	34	<i>Ralstonia pickettii</i> QL-A6 (HQ267096)	98	rhizosphere
BII-2-8	HG970694	10	<i>Burkholderia</i> sp. SAP38_2 (JN872505)	99	floral nectar
BII-2-9	HG970695	7	<i>Ralstonia mannitolilytica</i> JN201 (KF150440)	99	potassic trachyte
BII-2-12	HG970696	2	Uncultured <i>Curvibacter</i> sp. S_S_KL_303 (KC337212)	99	drinking water treatment plant membrane
BII-2-15	HG970697	10	<i>Variovorax paradoxus</i> CBF3 (JN990697)	99	soil
BII-2-19	HG970698	2	Uncultured <i>Ralstonia</i> sp. BF65B_B60 (HM141343)	98	supraglacial spring outflow
BII-2-29	HG970699	4	<i>Burkholderia</i> sp. U1-4 (FJ560474)	99	rhizospheric soil of rape
BII-2-43	HG970700	6	<i>Ralstonia</i> sp. DMSP-S11 (KC860267)	99	seawater and sediment
BII-2-62	HG970701	2	<i>Pelomonas saccharophila</i> NBRC 103037 (AB681917)	99	-
BII-2-92	HG970702	2	<i>Ralstonia pickettii</i> B1RO1 (JQ689181)	99	mineral water
BII-2-116	HG970703	2	<i>Hydrogenophaga</i> sp. MDT1-42 (JX949586)	99	glacier
BII-2-4	LK023631	1	<i>Burkholderia</i> sp. SAP38_2 (JN872505)	99	wild plant communities
BII-2-7	LK023632	1	<i>Burkholderia</i> sp. SAP38_2 (JN872505)	99	wild plant communities
BII-2-13	LK023633	1	<i>Ralstonia</i> sp. D23 (KF788130)	99	red soil
BII-2-18	LK023634	1	<i>Ralstonia</i> sp. SR4-06 (KF891410)	98	root
BII-2-20	LK023635	1	<i>Pelomonas puraquae</i> AR-174 (KF817777)	99	<i>Populus euphratica</i> in forest
BII-2-21	LK023636	1	Uncultured <i>Ralstonia</i> sp. BF65B_B105 (HM141278)	98	supraglacial spring outflow
BII-2-24	LK023637	1	Uncultured <i>Pelomonas</i> sp. spr019 (KC886831)	99	Lake Zurich epilimnion 5m depth
BII-2-32	LK023638	1	Uncultured <i>Ralstonia</i> sp. F3Bjun3 (GQ417751)	98	biological degreasing systems
BII-2-34	LK023639	1	<i>Ralstonia</i> sp. SR4-06 (KF891410)	99	root

BII-2-57	LK023641	1	Uncultured <i>Curvibacter</i> sp. S_S_KL (KC337212)	99	gut
BII-2-73	LK023642	1	<i>Acidovorax</i> sp. B18 (KF826887)	97	solid-phase denitrification biofilm
BII-2-105	LK023644	1	<i>Curvibacter gracilis</i> OFB-5 (HM439457)	96	fermented onion
<i>Gammaproteobacteria</i>					
BII-2-85	LK023643	1	Unc. γ -proteobacterium ADK-MOe02-41 (EF520575)	94	acid-impacted lake
BII-2-27	HG970704	2	<i>Pseudomonas</i> sp. BBCT8 (DQ337559)	97	soil
<i>Alphaproteobacteria</i>					
BII-2-40	LK023640	1	<i>Afipia</i> sp. sc_12 (EU878929)	99	soil