

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

### **Microbial Ecology**

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**Online Resource 10** Affiliation of the 16S rRNA gene sequences of BIV-3 bacterial clones

Clone	Accession no. EMBL	no. of clones	Closest phylogenetic relative/accession no.	% similarity	Isolation source
<b><i>Alphaproteobacteria</i></b>					
BIV-3-35	LK023703	1	<i>Mesorhizobium</i> sp. CCANP27 (HF931046)	100	host root nodule
BIV-3-37	LK023704	1	<i>Afipia</i> sp. sc_12 (EU878929)	99	soil
BIV-3-65	LK023707	1	<i>Agrobacterium</i> sp. FB1406 (JX943864)	99	root nodule
<b><i>Betaproteobacteria</i></b>					
BIV-3-1	HG970718	33	<i>Ralstonia pickettii</i> VIT-SRM1 (KJ716446)	99	west Indian cherry fruit
BIV-3-4	HG970719	10	<i>Ralstonia pickettii</i> A-15 (JX036030)	99	activated sludge
BIV-3-10	HG970721	2	<i>Burkholderia</i> sp. SAP38_2 (JN872505)	99	floral nectar
BIV-3-23	HG970720	7	<i>Ralstonia</i> sp. DMSP-S11 (KC860267)	99	seawater and sediment
BIV-3-25	HG970722	13	Unc. <i>Ralstonia</i> sp. IODP_305_1309D_273_13 (HQ379137)	95	gabbroic central dome
BIV-3-34	HG970723	7	Uncultured <i>Burkholderia</i> sp. OTU35 (KF956504)	95	contaminated groundwater
BIV-3-41	HG970724	4	<i>Ramlibacter</i> sp. HTCC332 (AY429716)	98	contaminated groundwater
BIV-3-52	HG970725	2	<i>Ralstonia</i> sp. OV225 (AY216797)	99	potato field site soil
BIV-3-66	HG970726	3	<i>Curvibacter</i> sp. W2.09-301r (JX458451)	97	deep mineral water aquifer
BIV-3-12	LK023702	1	<i>Pelomonas puraquae</i> AT-91 (KF817703)	99	<i>Populus euphratica</i> in forest
BIV-3-54	LK023705	1	<i>Ralstonia</i> sp. D18_10 (KF819691)	99	well water in dry season
BIV-3-63	LK023706	1	<i>Burkholderia</i> sp. WR-50a (AB839881)	99	ginseng rhizosphere soil
BIV-3-87	LK023708	1	<i>Pelomonas saccharophila</i> NBRC 103037 (AB681917)	99	-
<b><i>Gammaproteobacteria</i></b>					
BIV-3-2	HG970727	4	Uncultured <i>Thermomonas</i> sp. Plot18-A02 (FJ889350)	97	agricultural soil

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<i>Acidobacteria</i>					
BIV-3-104	HG970728	2	Uncultured <i>Acidobacteria</i> bacterium SeqSEEZ173 (JN367194)	99	soil
BIV-3-101	LK023709	1	Uncultured <i>Acidobacteria</i> bacterium SeqSEEZ173 (JN367194)	100	soil
<i>Nitrospirae</i>					
BIV-3-6	HG970729	3	Uncultured <i>Nitrospirae</i> bacterium DM2-139 (KC172193)	99	ginger cropping soil

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