

Table 3. Sequence affiliation in Ribosomal Data Base for the library of 16S rDNA clones

Phylogenetic group	Clone	N	Closest relative RDB	Habitat	RDB similarity score
α Proteobacteria	CC41P	1	Rhodobacteraceae SRF3, AJ002565	Marine	0.862
	CC42P	1	α-proteobacterium MBIC1876, AB026194	Marine	0.866
	CC37P	1	<i>Ruegeria algalicola</i> str. T-FF3 ATCC 51440 (T), X78315 ²²	Marine	0.834
	CC43P	1	<i>Roseobacter</i> ISM, AF098495 ²³	Marine	0.901
	Rosario24.28	1	<i>Dechlorospirillum</i> WD, AF170352 ²⁴	Not reported	0.627
	Hundido26.12	1	<i>Caulobacter</i> sp. str. FWC38, AJ227774 ²⁵	Activated sludge	0.845
β Proteobacteria	CC16.24	6	<i>Aquaspirillum delicatum</i> str. 146 LMG 4328 (T), AF078756 ²⁶	Distilled water	0.924
	Hundido26.13	1	<i>Aquabacterium Aqua2</i> , AF089858	Freshwater	0.889
	Hundido1tn6	1	<i>Acidovorax</i> LW1, AJ130765 ²⁷	Not reported	0.816
	Hundido2st6	1	<i>Azospira oryzae</i> str. 6 ⁹³ , AF011347 ⁹	Roots	0.954
	Hundido1tn4	1	<i>Aquabacterium parvum</i> str.B6, AF035052	Freshwater	0.947
	Calaveras27.3	2	<i>H.seropedicae</i> ATCC 35892, Y10146	Roots	0.813
	Calaveras28.1	5	<i>Vogesella indigofera</i> ATCC 19706 (T), AB021385 ²⁸	Soil	0.913
	γ Proteobacteria	CC30P	1	Endosymbiont of <i>Riftia pachyptila</i> , U77478 ²⁹	Hydrothermal vent
CC38P		1	Uncultured g proteobacteria Sva0120, AJ240993 ³⁰	Marine	0.796
CC45P		1	Uncultured g proteobacteria Sva0120, AJ240993 ³⁰	Marine	0.851
CC44P		1	<i>Pseudoalteromonas</i> UL1, AF172991 ³¹	Marine	0.752
CC32P		1	<i>Vibrio nereis</i> ATCC 25917, X74716 ³²	Marine	0.974
Rosario24.17		5	Symbiont of <i>Anodontia philippiana</i> (bivalve mollusc) gill, L25711 ³³	Marine	0.769

Phylogenetic group	Clone	N	Closest relative RDB	Habitat	RDB similarity score
	Hundido26.20	2	<i>Pseudomonas</i> str. S2, AJ002813 ³⁴	Gut of soil microarthropod	0.756
	Hundido26.11	2	<i>Curacaobacter baltica</i> str.OS 140, AJ002006 ³⁵	Marine	0.87
	Hundido26.7	3	□ proteobacteria HTB010, AB010858 ³⁶	Marine	0.905
	Calaveras29.9	14	Proteobacteria SCB11, Z31658	Marine	0.836
	Calaveras29.17	1	Uncultured gamma proteobacterium OM60, U70696 ³⁷	Marine	0.854
	Calaveras29.1	1	<i>Alterosomas macleodii</i> DSM 6062, Y1822838	Marine	0.93
<i>Chloroflexi</i>	Rosario24.49	1	<i>Unc eubacterium</i> WCHA 1-16, AF050608 ³⁹	Deep contaminated water	0.638
<i>Nitrospira</i>	Rosario24.38	1	Eubacteria clone 11-14, Z95707 ⁴⁰	Soil	0.716
<i>Bacteroidetes</i>	CC16.31	1	<i>Microscilla furvescens</i> str. TV-2 ATCC 23129, M58792	Soil	0.572
	CC31P	1	<i>Cytophaga</i> sp. str. BD1-15, AB015524 ⁴¹	Marine	0.716
	CC36P	1	<i>Zobellia uliginosa</i> ATCC 14397, M62799 ⁴²	Marine	0.631
	CC26P	1	Uncultured <i>Cytophagales</i> clone QSSC9L-1, AF170779	Marine	0.63
	CC50P	1	<i>Microscilla furvescens</i> str. TV-2 ATCC 23129, M58792	Soil	0.683
	CC27P	1	<i>Zobellia uliginosa</i> ATCC 14397, M62799 ⁴²	Marine	0.654
<i>Firmicutes</i>	CC16.23	1	<i>Clostridium cellulolyticum</i> ATCC 35319 (T), X71847 ⁴³	Decayed grass in compost pile	0.733
<i>Planctomycetes</i>	CC16.22	1	<i>Planctomycete</i> clone 14, AJ131819 ⁴⁴	Biofilm	0.58
<i>Verrucomicrobia</i>	CC29P	2	<i>Marinobacter aquaeolei</i> str.VT8, AJ000726 ⁴⁵	Vietnamese oil-producing well	0.632
<i>Deinococcus</i>	Calaveras28.5	2	<i>Deinococcus</i> sp. str. MBIC3950, AB022911	Not reported	0.93
<i>Archaea</i>	Rosario24.44	6	Unidentified archaeon pIVWA2, AB019730 ⁴⁶	Hydrothermal vent	0.779