

**Table 1. Geographic locations and GenBank accession numbers of the environmental clone library**

Phylogenetic group	Clone	Gen Bank accession nos.	Latitude (N) Longitude (W)	Type of sample
$\alpha$ Proteobacteria	CC41P	AY604961	26°53.51' 102°05.178'	Sediment
	CC42P	AY604960	26°53.51' 102°05.178'	Sediment
	CC37P	AY604959	26°53.51' 102°05.178'	Sediment
	CC43P	AY604962	26°53.51' 102°05.178'	Sediment
	Rosario24.28	AY604964	26°41.3' 101°47.65'	Water column
	Hundido26.12	AY604963	26°35.6' 102°12.86'	Water column
	$\beta$ Proteobacteria	CC16.24	AY604953	26°53.51' 102°05.178'
Hundido26.13		AY604952	26°35.6' 102°12.86'	Water column
Hundido1tn6		AY604954	26°32.245' 102°10.103'	Water column
Hundido2st6		AY604956	26°32.245' 102°10.103'	Water column
Hundido1tn4		AY604951	26°32.245' 102°10.103'	Water column
Calaveras27.3		AY604957	27°03.87' 102°08.75'	Water column
Calaveras28.21		AY604955	27°02.875' 102°06.375'	Water column
$\gamma$ Proteobacteria		CC30P	AY604939	26°53.51' 102°05.178'
	CC38P	AY604943	26°53.51' 102°05.178'	Sediment
	CC45P	AY604944	26°53.51' 102°05.178'	Sediment
	CC44P	AY604950	26°53.51' 102°05.178'	Sediment
	CC32P	AY604947	26°53.51' 102°05.178'	Sediment
	Rosario24.17	AY604940	26°41.3' 101°47.65'	Water column
	Hundido26.20	AY604942	26°35.6' 102°12.86'	Water column
	Hundido26.11	AY604936	26°35.6' 102°12.86'	Water column

Phylogenetic group	Clone	Gen Bank accession nos.	Latitude (N) Longitude (W)	Type of sample
	Hundido26.7	AY604948	26°35.6' 102°12.86'	Water column
	Calaveras29.29	AY604945	27°05.07' 102°11.5'	Water column
	Calaveras29.17	AY604941	27°05.07' 102°11.5'	Water column
	Calaveras29.1	AY604949	27°05.07' 102°11.5'	Water column
<i>Chloroflexi</i>	Rosario24.49	AY604937	26°41.3' 101°47.65'	Water column
<i>Nitrospira</i>	Rosario24.38	AY604966	26°41.3' 101°47.65'	Water column
<i>Bacteroidetes</i>	CC16.31	AY604973	26°53.51' 102°05.178'	Water column
	CC31P	AY604969	26°53.51' 102°05.178'	Sediment
	CC36P	AY604970	26°53.51' 102°05.178'	Sediment
	CC26P	AY604967	26°53.51' 102°05.178'	Sediment
	CC50P	AY604971	26°53.51' 102°05.178'	Sediment
	CC27P	AY604972	26°53.51' 102°05.178'	Sediment
<i>Firmicutes</i>	CC16.23	AY604965	26°53.51' 102°05.178'	Water column
<i>Planctomycetes</i>	CC16.22	AY604968	26°53.51' 102°05.178'	Water column
<i>Verrucomicrobia</i>	CC29P	AY604946	26°53.51' 102°05.178'	Sediment
<i>Deinococcus</i>	Calaveras28.5	AY604958	27°02.875' 102°06.375'	Water column
<i>Archaea</i>	Rosario24.44	AY604938	26°41.3' 101°47.65'	Water column