

Supplementary materials

Table S1. The results of RFLP analyze

Isolates	Types of RFLP patterns		Most related bacteria (16SrRNA gene)	Gene Bank Accession
CK-1 , CK-19, CK-6	No.1	Phylum	<i>Proteobacteria</i>	KU305708
		Species	<i>Aquamicrobium defluvii</i> (KP276672.1)	
CK , CSB3-43, CSIB3-13, CSIB3-31, CSIB3-12, CK-13	No.2	Phylum	<i>Proteobacteria</i>	KU305724
		Species	<i>Agrobacterium tumefaciens</i> (KNS809434.1)	
CK-11 , CK-7	No.3	Phylum	<i>Proteobacteria</i>	KU305696
		Species	<i>Burkholderia tropica</i> (JQ659722.1)	
NS-30 , NS-6-2, NS-3, CSB3-3, CSB3-16, NS-29	No.4	Phylum	<i>Proteobacteria</i>	KU305697
		Species	<i>Burkholderia ambifaria</i> (KNS733685.1)	
CSB3-107 , CSB3-56-2, CSIB3-30, CSIB3-15, CSB3-106, NS-15, CK-42, NS-6	No.5	Phylum	<i>Proteobacteria</i>	KU305725
		Species	<i>Burkholderia cenocepacia</i> (GU433447.1)	
NS-31 , NS-41, NS-A, NS-B, NS-20, CSIB3-32, CSIB3-9, CSIB3-29	No.6	Phylum	<i>Firmicutes</i>	KU305711
		Species	<i>Bacillus pumilus</i> (KM226929.1)	
NS-40 , NS-17, CSB3-34, CSIB3-32-2, NS-48	No.7	Phylum	<i>Firmicutes</i>	KU305716
		Species	<i>Bacillus subtilis</i> (KP975920.1)	
CSIB3-25 , CSIB3-11, CSIB3-47, CSIB3-16, CSIB3-20, CSIB3-1	No.8	Phylum	<i>Firmicutes</i>	KU305718
		Species	<i>Bacillus cereus</i> (KP694231.1)	
CSB3-1 , CSB3-11-2	No.9	Phylum	<i>Proteobacteria</i>	KU305721
		Species	<i>Brevundimona sicularis</i> (NR_113586.1)	
NS-13 , NS-100	No.10	Phylum	<i>Proteobacteria</i>	KU305705
		Species	<i>Bradyrhizobium cytisi</i> (AB931155.1)	
CSB3-38, CSB3-50 , CSB3-46, CSB3-44	No.11	Phylum	<i>Bateroidetes</i>	KU305719
		Species	<i>Chitinophaga pinensis</i> (AB681009.1)	
NS-26 , CSB3-53	No.12	Phylum	<i>Bateroidetes</i>	KU305720
		Species	<i>Flavobacterium johnsoniae</i> (KM252925.1)	
CK-14-1 , CK-17, CK-10	No.13	Phylum	<i>Proteobacteria</i>	KU305712
		Species	<i>Herbaspirillum hiltneri</i> (NR_043582.1)	
CSB3-7 , NS-1	No.14	Phylum	<i>Proteobacteria</i>	KU305713
		Species	<i>Herbaspirillum sp.</i> (AB218285.1)	
NS-33 , NS-13-1,	No.15	Phylum	<i>Proteobacteria</i>	KU305714
		Species	<i>Herbaspirillum huttiense</i> (EU549838.1)	
CSB3-48	No.16	Phylum	<i>Proteobacteria</i>	KU305715
		Species	<i>Labrys portucalensis</i> (NR_042863.1)	
CSIB3-3 , NS-5, CSIB3-14	No.17	Phylum	<i>Proteobacteria</i>	KU305709
		Species	<i>Mesorhizobium amorphae</i> (JNS913976.1)	

CSIB3-14a , CSIB3-16, CSIB3-20	No.18	Phylum	<i>Proteobacteria</i>	KU305722
		Species	<i>Mesorhizobium plurifarum</i> (JQ039741.1)	
CSB3-49 , CSB3-102, NS-13-2	No.19	Phylum	<i>Proteobacteria</i>	KU305726
		Species	<i>Novosphingobiumsubarcticum</i> (AY151394.1)	
NS-7	No.20	Phylum	<i>Proteobacteria</i>	KU305710
		Species	<i>Ochrobactrum intermedium</i> (AB840686.1)	
CK-40 , CK-31-6, CK-3	No.21	Phylum	<i>Proteobacteria</i>	KU374970
		Species	<i>Ochrobactrum anthropi</i> (AB841137.1)	
CSB3-105 , CSB3-3-3-8, CSB3-103	No.22	Phylum	<i>Proteobacteria</i>	KU305727
		Species	<i>Pseudomonas jessenii</i> (EU019982.1)	
CSB3-48, NS-37, NS-19, NS-12, CSB3-40, NS-38	No.23	Phylum	<i>Proteobacteria</i>	KU305728
		Species	<i>Pseudomonas fluorescens</i> (KP126776.1)	
NS-14 , CSB3-2	No.24	Phylum	<i>Proteobacteria</i>	KU305698
		Species	<i>Rhizobium</i> sp.(KNS263563.1)	
CK-8A, CK-8 , NS-18, CSB3-111	No.25	Phylum	<i>Proteobacteria</i>	KU305699
		Species	<i>Rhizobium alarii</i> (GU552885.1)	
CSB3-55, CK-8-1	No.26	Phylum	<i>Proteobacteria</i>	KU305700
		Species	<i>Rhizobium freirei</i> (NR_114564.1)	
CSB3-42 , CSB3-4, CSB3-57, CSB3-6	No.27	Phylum	<i>Proteobacteria</i>	KU305701
		Species	<i>Rhizobium</i> sp.(KJ128395.1)	
NS-10 , CSIB3-23, NS-9, CSIB3-8,	No.28	Phylum	<i>Proteobacteria</i>	KU305702
		Species	<i>Rhizobium tropici</i> (NSN178365.1)	
NS-28 , NS-36, CSB3-51, CSB3-101, CSB3-56-1, CK-16	No.29	Phylum	<i>Proteobacteria</i>	KU305703
		Species	<i>Rhizobium multihospitium</i> (JN896359.1)	
CK-14 , CSIB3-18	No.30	Phylum	<i>Proteobacteria</i>	KU305704
		Species	<i>Rhizobium</i> sp.(KJ734015.1)	
NS-35 , CSB3-12,	No.31	Phylum	<i>Proteobacteria</i>	KU305717
		Species	<i>Rhizobium miluonense</i> (JN896360.1)	
CK-15 , CK-18, CK-21, CK-12-2, CK-12-1, CSIB3-33	No.32	Phylum	<i>Proteobacteria</i>	KU305706
		Species	<i>Ralstonia pickettii</i> (NR_102967.1)	
CSIB3-10 , CK-4, CK-5, CK-22	No.33	Phylum	<i>Proteobacteria</i>	KU305707
		Species	<i>Ralstonia mannitolilytica</i> (KNS150334.1)	

CSB3-n, NS-n, CK-n and CSIB3-n represent the isolates from the treatment of CSB3, NS, CK and CSIB3 respectively. Bold face indicates sequenced strains.