

Supplemental data Table S1 : Strains used in this study.

Abbreviations: ATCC, American Type Culture Collection, Manassas, Virginia, USA; DSM, Leibniz-Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Braunschweig, Germany; F, female; M, male; N/A, not applicable

Isolate	Identified As	Sex	Source	Geographic location/Received	GenBank number
B4199 ^T	<i>Oblitimonas alkaliphila</i> gen. nov., sp. nov.	F	Deep liver	Colorado/1969	KP986583
C6819	<i>Oblitimonas alkaliphila</i> gen. nov., sp. nov.	Unknown	Leg wound	North Carolina/1973	KP986584
C6918	<i>Oblitimonas alkaliphila</i> gen. nov., sp. nov.	F	Lung tissue	Connecticut/1973	KP986585
D2441	<i>Oblitimonas alkaliphila</i> gen. nov., sp. nov.	F	Urine	Oregon/1975	KP986580
D3318	<i>Oblitimonas alkaliphila</i> gen. nov., sp. nov.	M	Foot wound	Pennsylvania/1975	KP986581
E1086	<i>Oblitimonas alkaliphila</i> gen. nov., sp. nov.	F	Leg	Connecticut/1977	KP986579
E1148	<i>Oblitimonas alkaliphila</i> gen. nov., sp. nov.	F	Urine	Missouri/1978	KP986582
E5571	<i>Oblitimonas alkaliphila</i> gen. nov., sp. nov.	M	Urine	Indiana/1979	KP986578
DSM 17744 ^T	<i>Pseudomonas alcaliphilia</i>	N/A	Seawater	2001	N/A
DSM 24390 ^T	<i>Pseudomonas caeni</i>	N/A	Sludge	2009	EU620679
ATCC 17440 ^T	<i>Pseudomonas pseudoalcaligenes</i>	N/A	Sinus drainage	1966	AJ279245
ATCC 29606 ^T	<i>Serpens flexibilis</i>	N/A	Pond water and sediment	1977	GU269546
X2 ^T	<i>Thiopseudomonas denitrificans</i>	N/A	Sludge	2015	KJ567598