

Table S2. Fatty acid composition of isolates from this study and the closest type strains.

	JACH 101	JACH 201	<i>Kocuria rhizophila</i>	JACH 208	I JACH 214	<i>Rothia kristinae</i>	JACH 215	<i>Gordonia terrae</i>	JACH 308	<i>Rhodococcus erythropolis</i>	JACH 417	<i>Micrococcus luteus</i>	JACH 418	<i>Dietzia natronolimnaea</i>
% CDW	17.3	23.7		33.5	54.8		11.8		17.7		31.5		34.4	
UNSATURATED	47.0	39.6		0.0	0.5		34.7	42.0	5.9	4.5	0.0	3.5	16.1	53.2
SATURATED	53.0	60.4	96.5	100.0	99.5	98.4	65.3	49.0	94.1	59.9	100.0	93.8	83.9	46.8
C13:0	0.0	1.5		0.7	2.3		0.8		2.4		0.8		1.4	
i14:0	0.0	0.0	1.1	0.5	0.3	2.6	0.0		0.0		1.8	2.9	0.0	
C14:0	0.2	4.0	2.4	0.1	0.2	1.0	1.1		6.3	6.9	0.2	5.5	0.6	1.0
i15:0	1.2	6.6	13.8	0.0	0.7	1.6	0.0		0.0		13.1	26.1	0.0	
a15:0	0.0	0.0	48.4	43.0	33.4	70.1	0.0		0.0		70.3	56.2	0.0	
C15:0	0.0	0.0		0.3	0.2		0.2		2.4	3.5	0.2		0.7	
i16:0	0.5	2.6	5.9	16.6	15.9	12.1	0.0		0.0		7.0	1.9	0.0	
16:1w7	47.0	39.6		0.0	0.1		0.0	16.0	0.7		0.0	3.5	2.3	33.0
C16:0	49.5	43.8	2.6	5.8	8.0	1.7	29.1	32.0	28.8	25.2	0.9	1.2	28.3	14.1
10Me-16:0	0.0	0.0		0.0	0.0		0.0		3.5	2.9	0.0		0.4	0.7
i17:0	0.1	0.0	1.2	0.3	0.2		0.0		0.0		0.3		0.0	
a17:0	1.4	1.9	21.1	31.9	35.8	9.3	0.0		0.0		5.0		0.0	
C17:0	0.0	0.0		0.0	0.1		0.7		1.8	1.8	0.0		3.7	
10Me-17:0	0.0	0.0		0.0	0.0		0.0		2.3	2.8	0.0		0.8	0.8
18:1w9	0.0	0.0		0.0	0.2		34.7	26.0	5.2	4.5	0.0		13.6	15.7
18:1w7	0.0	0.0		0.0	0.2		0.0		0.0		0.0		0.2	4.5
C18:0	0.1	0.0		0.8	2.4		5.5		1.8	0.8	0.4		3.7	
10Me-18:0	0.0	0.0		0.0	0.0		27.9	17.0	44.8	16.0	0.0		44.3	30.2
SOURCE	This study	This study	(1)	This study	This study	(2)	This study	(3)	This study	(4)	This study	(2)	This study	(5)

1. Kovacs G, Burghardt J, Pradella S, Schumann P, Stackebrandt E, Marialigeti K. *Kocuria palustris* sp. nov. and *Kocuria rhizophila* sp. nov., isolated from the rhizoplane of the narrow-leaved cattail (*Typha angustifolia*). *International Journal of Systematic Bacteriology*. 1999;49:167-73.
2. Stackebrandt E, Koch C, Gvozdiak O, Schumann P. TAXONOMIC DISSECTION OF THE GENUS MICROCOCCUS - KOCURIA GEN-NOV, NESTERENKONIA GEN-NOV, KYTOCOCCUS GEN-NOV, DERMACOCCUS GEN-NOV, AND MICROCOCCUS COHN 1872 GEN EMEND. *International Journal of Systematic Bacteriology*. 1995;45(4):682-92.
3. Goodfellow M, Kumar Y, Maldonado LA. *Gordonia*. *Bergey's Manual of Systematics of Archaea and Bacteria*. p. 1-29.
4. Jones AL, Goodfellow M. *Rhodococcus*. *Bergey's Manual of Systematics of Archaea and Bacteria*. p. 1-50.
5. Gharibzahedi SMT, Razavi SH, Mousavi SM. Characterization of bacteria of the genus *Dietzia*: an updated review. *Annals of Microbiology*. 2014;64(1):1-11.

Test	Isolate 101	Isolate 201	Isolate 208	Isolate 214	Isolate 215	Isolate 308	Isolate 417	Isolate 418
A1 Negative Control	/	/	/	/	/	/	/	/
B1 D-Raffinose	/	/	/	/	/	/	/	/
C1 α-D-Glucose	+	/	+	+	/	+	/	/
D1 D-Sorbitol	/	/	+	+	+	+	/	/
E1 Gelatin	+	/	/	/	/	/	/	/
F1 Pectin	/	/	/	+	/	/	+	/
G1 p-Hydroxy- Phenylacetic Acid	+	+	+	+	/	/	/	/
H1 Tween 40	/	/	+	/	/	/	/	/
A2 Dextrin	/	/	/	/	/	/	/	/
B2 β-D-Lactose	/	/	/	/	/	/	/	/
C2 D-Mannose	+	+	+	+	/	+	/	/
D2 D-Mannitol	/	/	/	/	/	+	/	/
E2 Glycyl-L-Proline	+	+	/	/	/	/	/	/
F2 D-Galacturonic Acid	/	/	/	/	/	/	+	+
G2 Methyl Pyruvate	+	/	+	+	/	/	/	+
H2 β-Amino-Butyric Acid	+	/	+	+	/	+	/	+
A3 D-Maltose	+	+	+	+	/	+	/	/
B3 D-Melibiose	/	/	/	/	/	/	/	/
C3 D-Fructose	+	/	+	+	+	+	/	+
D3 D-Arabitol	/	/	/	/	/	+	/	/
E3 L-Alanine	/	/	/	/	+	+	/	/
F3 L-Galactonic Acid Lactone	/	/	/	/	/	/	+	+
G3 D-Lactic Acid Methyl Ester	/	/	/	/	/	/	/	+
H3 β-Hydroxy- Butyric Acid	/	/	+	/	/	+	+	/
A4 D-Trehalose	+	+	+	+	+	+	/	/
B4 β-Methyl-D- Glucoside	/	/	/	/	/	/	/	/
C4 D-Galactose	/	/	/	/	/	/	/	/
D4 myo-Inositol	/	/	/	/	/	+	/	/
E4 L-Arginine	/	/	+	/	/	+	+	/

F4 D-Gluconic Acid	+	/	+	/	/	+	/	/
G4 L-Lactic Acid	/	/	+	+	/	+	+	/
H4 β -Hydroxy-D,L- Butyric Acid	/	/	/	/	/	+	/	+
A5 D-Cellobiose	/	/	/	/	/	/	/	/
B5 D-Salicin	/	/	+	+	/	+	/	/
C5 3-Methyl Glucose	/	/	/	/	/	/	/	/
D5 Glycerol	/	/	+	+	/	+	/	/
E5 L-Aspartic Acid	/	/	/	/	/	/	/	+
F5 D-Glucuronic Acid	/	/	/	/	/	/	/	/
G5 Citric Acid	/	/	+	/	/	/	/	/
H5 α -Keto-Butyric Acid	/	/	+	/	/	+	/	+
A6 Gentiobiose	/	/	/	/	/	/	/	/
B6 N-Acetyl-D- Glucosamine	+	+	/	/	/	+	/	/
C6 D-Fucose	/	/	/	/	/	/	/	/
D6 D-Glucose- 6-PO4	/	/	/	/	/	/	/	/
E6 L-Glutamic Acid	/	/	+	+	/	+	/	+
F6 Glucuronamide	/	/	/	/	/	/	/	/
G6 α -Keto-Glutaric Acid	/	/	+	/	+	/	/	+
H6 Acetoacetic Acid	/	/	/	/	/	/	/	+
A7 Sucrose	+	+	+	+	/	+	/	/
B7 N-Acetyl- β -D- Mannosamine	/	/	/	/	/	/	/	/
C7 L-Fucose	/	/	/	/	/	/	/	/
D7 D-Fructose- 6-PO4	/	/	/	/	/	/	/	/
E7 L-Histidine	/	/	/	/	/	+	/	/
F7 Mucic Acid	/	/	/	/	/	/	/	/
G7 D-Malic Acid	/	/	+	/	/	+	+	/
H7 Propionic Acid	/	/	+	+	+	+	/	+
A8 D-Turanose	/	/	+	+	+	/	/	/
B8 N-Acetyl-D- Galactosamine	/	/	/	/	/	/	/	/
C8 L-Rhamnose	/	/	/	/	/	/	/	/

D8 D-Aspartic Acid	/	/	/	/	/	/	/	/
E8 L-Pyroglutamic Acid	+	/	+	/	/	/	+	/
F8 Quinic Acid	/	/	/	/	/	+	/	/
G8 L-Malic Acid	/	/	+	+	/	/	/	/
H8 Acetic Acid	/	/	+	+	/	/	/	+
A9 Stachyose	/	/	/	/	/	+	/	/
B9 N-Acetyl Neuraminic Acid	/	/	/	/	/	+	/	/
C9 Inosine	+	+	+	/	/	/	/	/
D9 D-Serine	+	/	/	/	/	+	/	/
E9 L-Serine	/	+	+	/	/	+	+	/
F9 D-Saccharic Acid	/	/	/	/	/	/	/	/
G9 Bromo-Succinic Acid	/	/	+	/	/	/	/	+
H9 Formic Acid	/	/	/	/	/	/	/	/
A10 Positive Control	+	+	+	+	+	+	+	+
B10 1% NaCl	+	+	+	+	+	+	+	/
B11 4% NaCl	+	+	+	+	+	+	/	/
B12 8% NaCl	+	+	/	/	+	/	/	/
A11 pH 6	+	+	+	+	+	+	/	/
A12 pH 5	+	/	/	/	+	+	/	/
C10 1% Sodium Lactate	+	/	+	/	+	+	/	/
D10 Troleandomycin	/	/	/	/	/	/	/	/
E10 Lincomycin	+	/	/	/	/	/	/	/
F10 Vancomycin	/	/	+	/	/	/	/	/
G10 Nalidixic Acid	+	/	+	+	+	+	+	/
H10 Aztreonam	/	/	+	/	+	+	+	+
C11 Fusidic Acid	/	/	/	/	/	/	/	/
D11 Rifamycin SV	/	/	/	/	/	+	/	/
E11 Guanidine HCl	+	/	/	/	+	+	/	/
F11 Tetrazolium Violet	/	/	+	/	/	/	/	+
G11 Lithium Chloride	+	+	+	+	+	+	+	+

H11 Sodium Butyrate	+	+	+	+	+	+	+	+
C12 D-Serine	+	+	+	/	+	+	/	/
D12 Minocycline	+	/	/	/	/	/	/	/
E12 Niaproof 4	/	/	/	/	/	/	/	/
F12 Tetrazolium Blue	+	/	/	/	/	/	/	/
G12 Potassium Tellurite	+	+	+	/	+	+	/	+
H12 Sodium Bromate	+	/	+	/	+	+	/	+