

Peteryoungia desertarenae

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Table 1: Complete list of names proposed in the current register list.

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Species <i>Peteryoungia desertarenae</i>	[de.ser.ta.re'nae] L. neut. n. <i>desertum</i> , desert; L. fem. n. <i>arena</i> , sand; N.L. gen. fem. n. <i>desertarenae</i> , of desert sand	Cells are Gram-negative, straight rods with round ends (0.3–0.5 × 1.5–2 µm), and non-motile. Colonies grown on Zobell Marine Agar are 1–3 mm in diameter, circular, raised with an entire margin, and translucent opacity. The optimal temperature for growth is 28 °C and the optimal pH is 7.0. Growth occurs in the absence of NaCl with up to 2% tolerance in Zobell Marine broth. It is oxidase and catalase positive. The strain showed positive results in Biolog GN III analyses for utilization of d-maltose, d-trehalose, d-cellobiose, d-gentiobiose, sucrose, d-turanose, α- d-lactose, d-melibiose, β-methyl-d-glucoside, d-salicin, <i>N</i> -acetyl-d-glucosamine, <i>N</i> -acetyl-β-d-mannosamine, <i>N</i> -acetyl-d-galactosamine, α-d-glucose, d-mannose, d-fructose, d-galactose, d-fucose, l-fucose, l-rhamnose, inosine, d-sorbitol, d-mannitol, d-arabitol, myo-inositol, glycerol, d-glucose-6-phosphate, d-fructose-6-phosphate, d-aspartic acid, Glycyl-l-proline, glycyl-l-proline, l-alanine, l-arginine, l-aspartic acid, l-glutamic acid, l-histidine, l-pyroglutamic acid, l-serine, pectin, d-galacturonic acid, d-gluconic acid, d-glucuronic acid, glucuronamide, mucic acid, d-saccharic acid, p-hydroxy-phenylacetic acid, d-lactic acid methyl ester, l-lactic acid, citric acid, α-keto-glutaric acid, d,l-malic acid, bromo-succinic acid, Tween 40, γ-amino-butyric acid, α-hydroxy-butyric acid, α-hydroxy-d,l butyric acid, α-keto-butyric acid, acetoacetic acid, propionic acid, acetic acid, formic acid, sodium lactate, tetrazolium violet and blue, nalidixic acid, lithium chloride (Table S3). Positive results in API ZYM strips for leucine arylamidase, trypsin, naphthol-AS-BI-phosphohydrolase, α-glucosidase, <i>N</i> -acetyl-β-glucosaminidase activities (Table S4). C18:0 and C18:1 ω7c are the predominant cellular fatty acids. The DNA G + C content of the type strain is 58.6 mol%.	<i>Peteryoungia</i>	NCBI Assembly: GCF_005860795.2 Ts	seqco.de/i:37912
		The type strain ADMK78T (= MCC 3400T; KACC 21383T; JCM 33657T) was isolated from saline desert sand collected from the Kutch District of Gujarat, India. The GenBank sequence accession number of the genome sequence is CP058350-CP058352, and the 16S rRNA gene sequence of strain ADMK78T			

Proposed Taxon	Etymology	is MK942856.	Description	Parent Taxon	Type	Registry URL