Strain		DSM 45794
Genus		***Micromonospora***
Species		***sediminicola***
Status		
Risk group		L1
Type strain		BCC 45601, NBRC 107934, SH2-13
Genbank accession numbers		16S rRNA gene: AB609324
Reference		
Author		Supong, K., Suriyachadkun, C., Tanasupawat, S., Suwanborirux, K., Pittayakhajonwut, P., Kudo, T., Thawai, C.
Title		*Micromonospora sediminicola* sp. nov., isolated from marine sediment
Journal		*Int J Syst Evol Microbiol*
Volume		**63** (Pt 2)
Page		570-5
Year		2013
Author		/
Title		Notification that new names and new combinations have appeared in volume 62, part 11, of the IJSEM
Journal		*Int J Syst Evol Microbiol*
Volume		**63** (Pt 2)
Page		399-400
Year		2013
Morphology		
Agar	ISP 2 - growth/G	good
Agar	ISP 2 - colony color/R	clay brown (8003)
Agar	ISP 2 - aerial mycelium/A	none
Agar	ISP 2 - soluble pigment/S	ocher brown (8001)
Agar	ISP 3 - G	sparse –good
Agar	ISP 3 - R	pastel yellow (1034), clay brown (8003)
Agar	ISP 3 - A	none
Agar	ISP 3 - S	beige (1001)
Agar	ISP 4 - G	sparse
Agar	ISP 4 - R	ivory (1014), ocher brown (8001)
Agar	ISP 4 - A	none
Agar	ISP 4 - S	ivory (1014)
Agar	ISP 5 - G	sparse
Agar	ISP 5 - R	light ivory (1015), ocher brown (8001)
Agar	ISP 5 - A	none

Agar	ISP 5 - S	light ivory (1015)
Agar	ISP 6 - G	sparse
Agar	ISP 6 - R	sand yellow (1002), clay brown (8003)
Agar	ISP 6 - A	none
Agar	ISP 6 - S	none
Agar	ISP 7 - G	sparse -good
Agar	ISP 7 - R	ivory (1014), clay brown (8003)
Agar	ISP 7 - A	none
Agar	ISP 7 - S	ivory (1014)
Agar	suter with tyrosine - G	sparse
Agar	suter with tyrosine - R	golden yellow (1004), clay brown (8003)
Agar	suter with tyrosine - A	none
Agar	suter with tyrosine - S	sand yellow (1002)
Agar	suter without tyrosine - G	sparse
Agar	suter without tyrosine - R	maize yellow (1006), clay brown (8003)
Agar	suter without tyrosine - A	none
Agar	suter without tyrosine - S	sand yellow (1002)
	Sporechains/Sporangia	
Physiology		
Melanin		-
pH	range	
pH	optimum	
temperature	range	
temperature	optimum	
sodium chloride tolerance		2,5%
lysozyme tolerance		
use of carbohydrates	glucose	+
use of carbohydrates	arabinose	+
use of carbohydrates	sucrose	+
use of carbohydrates	xylose	(+)
use of carbohydrates	inositol	(+)
use of carbohydrates	mannose	-
use of carbohydrates	fructose	+
use of carbohydrates	rhamnose	-
use of carbohydrates	raffinose	+
use of carbohydrates	cellulose	(+)
Api zym	Phosphatase alcaline	4
Api zym	Esterase (C4)	2
Api zym	Esterase Lipase (C8)	3
Api zym	Lipase (C14)	1
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	4

Api zym	Cystine arylamidase	2
Api zym	Trypsin	3
Api zym	Chymotrypsin	5
Api zym	Phosphatase acid	2
Api zym	Naphtol-AS-BI-phosphohydrolase	1
Api zym	alpha galactosidase	4
Api zym	beta galactosidase	5
Api zym	beta glucuronidase	1
Api zym	alpha glucosidase	5
Api zym	beta glucosidase	1
Api zym	N-acetyl-beta-glucoseamidase	4
Api zym	alpha mannosidase	0
Api zym	alpha fucosidase	0
Api coryne	nitrate reduction	-
Api coryne	Pyraziamidase	-
Api coryne	Pyrrolidonyl arylamidase	-
Api coryne	Alkaline phosphatase	-
Api coryne	beta glucuronidase	-
Api coryne	beta galactosidase	(+)
Api coryne	alpha glucosidase	+
Api coryne	N-acetyl -beta glucoseamidase	+
Api coryne	Esculin (beta glucosidase)	-
Api coryne	Urease	-
Api coryne	Gelatine(hydrolysis)	+
Api coryne	Glucose fermentation	-
Api coryne	Ribose fermentation	-
Api coryne	Xylose fermentation	-
Api coryne	Mannitol fermentation	-
Api coryne	Maltose fermentation	-
Api coryne	Lactose fermentation	-
Api coryne	Sucrose fermentation	-
Api coryne	Glycogen fermentation	-

Apicoryne

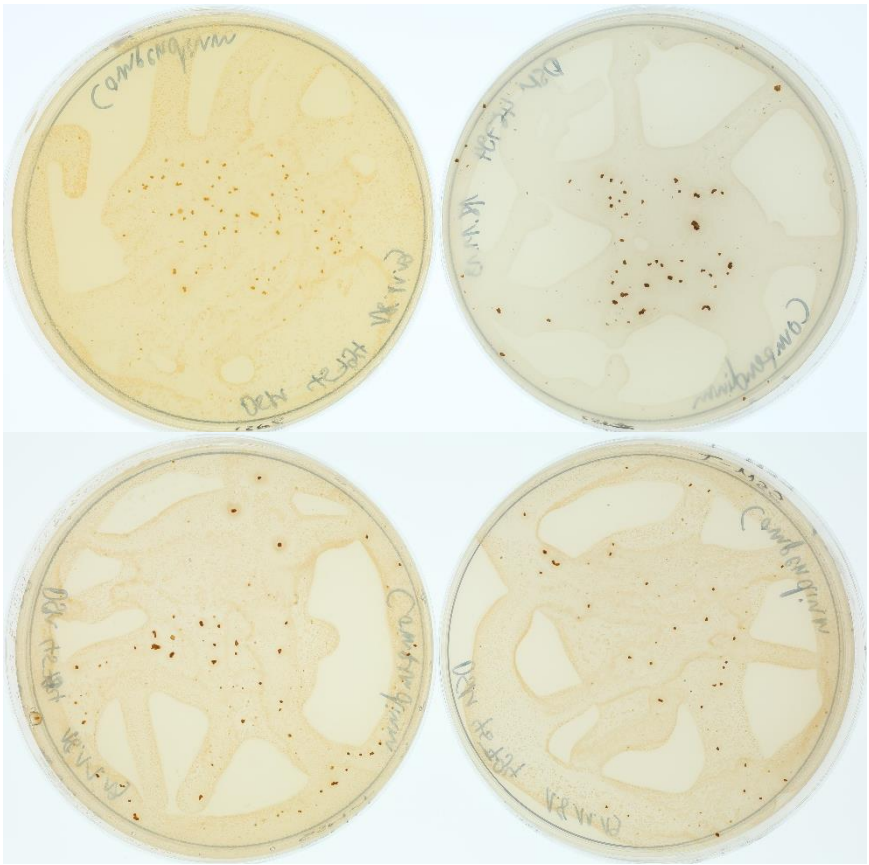
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM 45794.

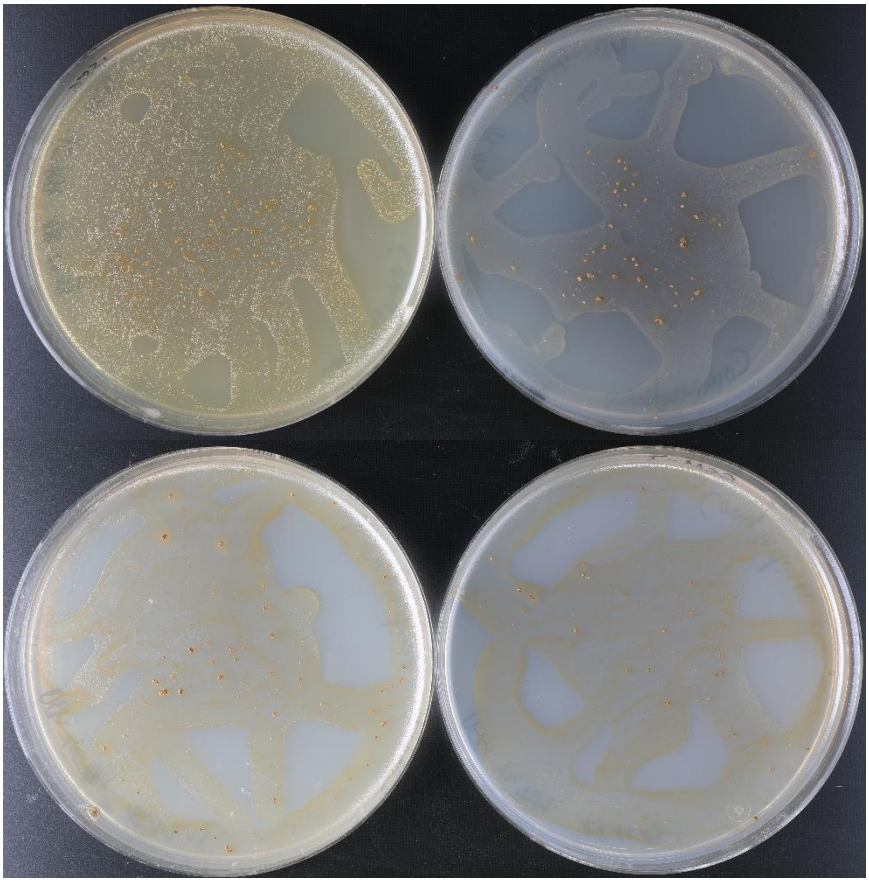
Apizym

Abbildung 2: Apizym-Teststreifen mit Keim DSM 45794.

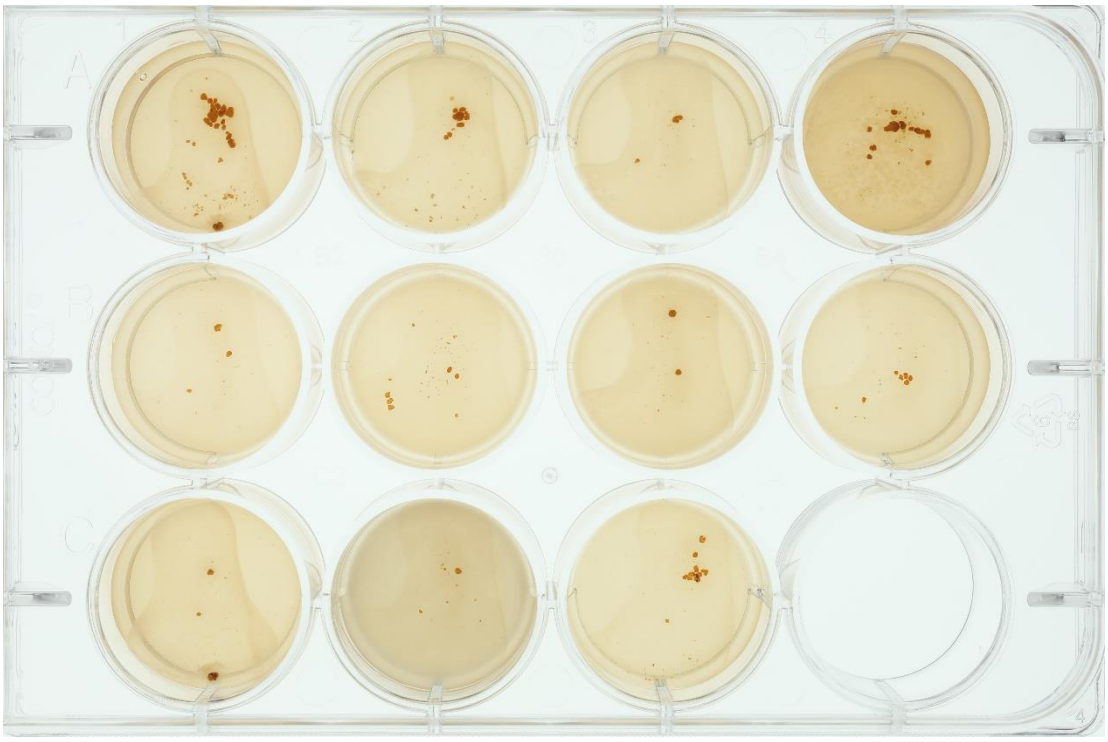
Plates (554, ISP2, ISP3, ISP4, ISP5, ISP7)

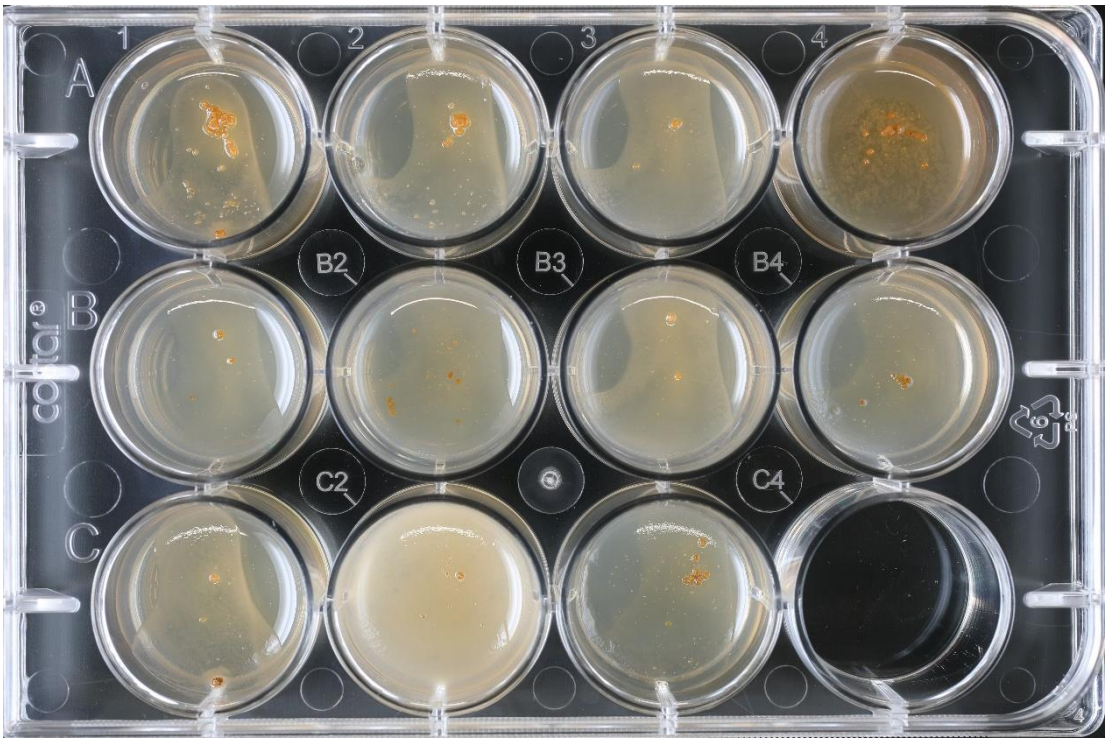
(ISP6, ISP7, SSM+T, SSM-T)





Carbon utilization test (from top left to bottom right: glucose, arabinose, sucrose, xylose, inositol, mannose, fructose, rhamnose, raffinose, cellulose)





Sodium chloride tolerance test (from top left to bottom right: 0%, 2,5%, 5%, 7,5%, 10%)