Strain		**DSM 45655**
Genus		***Actinoalloteichus***
Species		***nanshanensis***
Status		
Risk group		**L1**
Type strain		**NEAU119, CGMCC 4.5714, NBRC 106685**
Reference		
Author		**Xiang, W., Liu, C., Wang, X., Du, J., Xi, L., Huang, Y.**
Title		***Actinoalloteichus nanshanensis* sp. nov., isolated from the rhizosphere of a fig tree (*Ficus religiosa*).**
Journal		***Int J Syst Evol Microbiol***
Volume		**61 (Pt 5)**
Page		**1165-1169**
Year		**2011**
Morphology		
Agar	**ISP 2 - growth/G**	**none**
Agar	**ISP 2 - colony color/R**	**none**
Agar	**ISP 2 - aerial mycelium/A**	**none**
Agar	**ISP 2 - soluble pigment/S**	**none**
Agar	**ISP 3 - G**	**decreased**
Agar	**ISP 3 - R**	**achate grey (7038)**
Agar	**ISP 3 - A**	**sparse**
Agar	**ISP 3 - S**	**green brown (8000)**
Agar	**ISP 4 - G**	**none**
Agar	**ISP 4 - R**	**none**
Agar	**ISP 4 - A**	**none**
Agar	**ISP 4 - S**	**none**
Agar	**ISP 5 - G**	**sparse**
Agar	**ISP 5 - R**	**brown beige (1011)**
Agar	**ISP 5 - A**	**sparse**
Agar	**ISP 5 - S**	**beige (1001)**
Agar	**ISP 6 - G**	**/**
Agar	**ISP 6 - R**	**/**
Agar	**ISP 6 - A**	**/**
Agar	**ISP 6 - S**	**/**
Agar	**ISP 7 - G**	**decreased**
Agar	**ISP 7 - R**	**silk grey (7044)**
Agar	**ISP 7 - A**	**sparse**
Agar	**ISP 7 - S**	**green brown (8000)**
Agar	**suter with tyrosine - G**	**good**
Agar	**suter with tyrosine - R**	**terra brown (8028)**
Agar	**suter with tyrosine - A**	**sparse**

Agar	suter with tyrosine - S	olive brown (8008)
Agar	suter without tyrosine - G	good
Agar	suter without tyrosine - R	green brown (8000)
Agar	suter without tyrosine - A	none
Agar	suter without tyrosine - S	sandy yellow (1002)
	Sporechains/Sporangia	
Physiology		
Melanin		+
pH	range	
pH	optimum	
temperature	range	
temperature	optimume	
sodium chloride tolerance		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	3
Api zym	Esterase (C4)	2
Api zym	Esterase Lipase (C8)	2
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	1
Api zym	Cystine arylamidase	0
Api zym	Trypsin	0
Api zym	Chymotrypsin	1
Api zym	Phosphatase acid	1
Api zym	Naphtol-AS-BI-phosphohydrolase	3
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	1
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	0
Api zym	beta glucosidase	2
Api zym	N-acetyl-beta-glucoseamidase	3
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 45655.

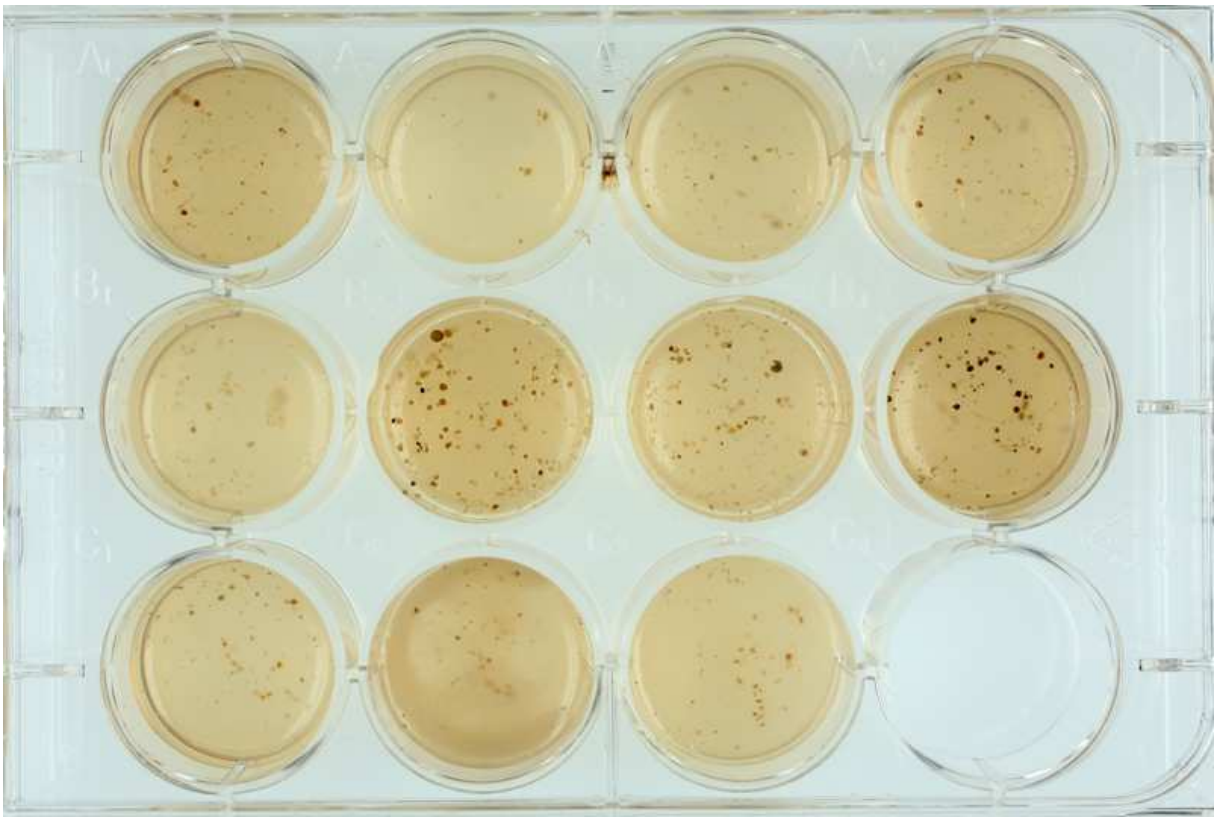
Apizym

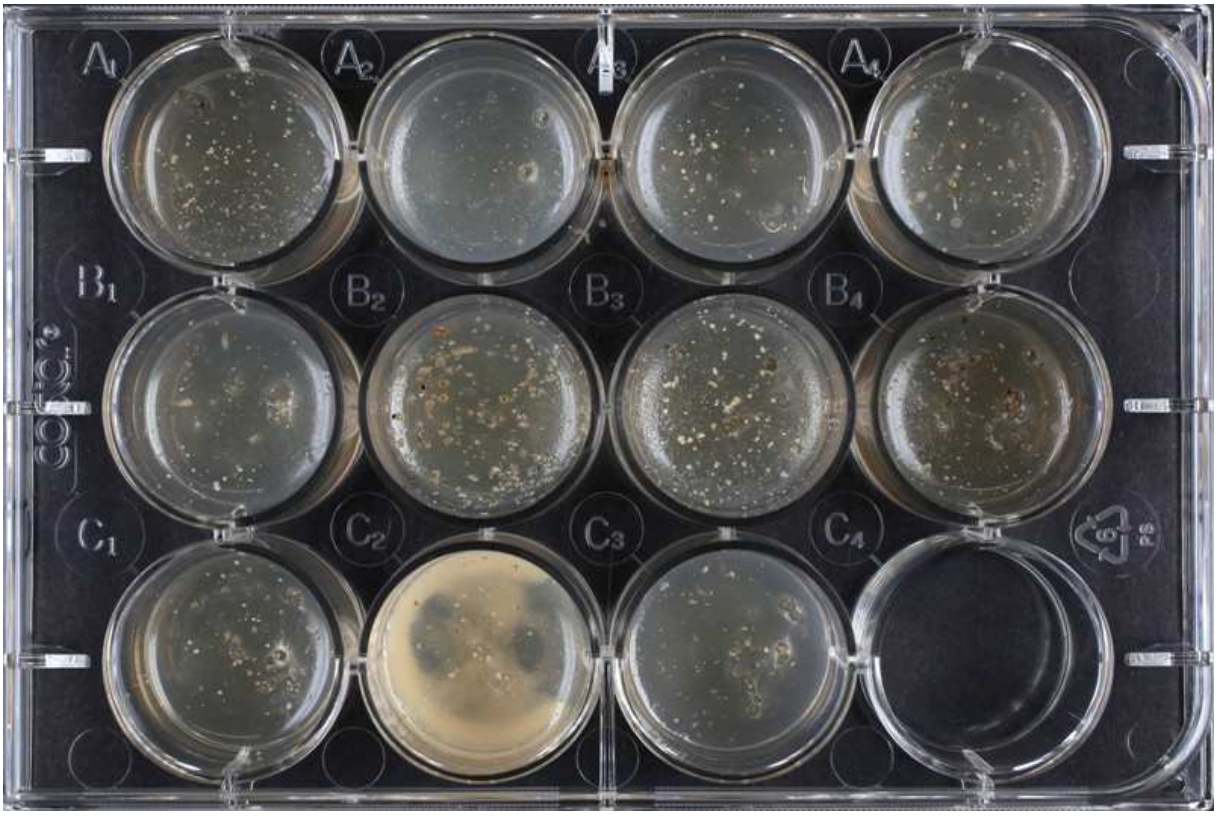
Abbildung 2: Apizym-Teststreifen mit Keim DSM 45655.

Plates (GYM, ISP2, ISP3, ISP4, ISP5, 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%)