Strain		DSM 46712
Genus		***Dactylosporangium***
Species		***cerinum***
Status		
Risk group		1 (provisional classification by DSMZ)
Type strain		CGMCC 4.7152, NEAU-TPG4
Genbank accession numbers		16S rRNA gene: KF928748
Reference		
Author		Liu, C., Guan, X., Jin, P., Li, J., Li, Y., Li, L., Zhou, Y., Shen, Y., Wang, X., Xiang, W.
Title		*Dactylosporangium cerinum* sp. nov., a novel actinobacterium isolated from the rhizosphere of *Pinus koraiensis* Sieb. et Zucc.
Journal		*Antonie Van Leeuwenhoek*
Volume		**108** (1)
Page		191-9
Year		2015
Author		Oren, A., Garrity, G. M.
Title		List of new names and new combinations previously effectively, but not validly, published
Journal		*International Journal of Systematic and Evolutionary Microbiology*
Volume		**65** (9)
Page		2777-2783
Year		2015
Morphology		
Agar	ISP 2 - growth/G	good
Agar	ISP 2 - colony color/R	daffodil yellow (1007)
Agar	ISP 2 - aerial mycelium/A	none
Agar	ISP 2 - soluble pigment/S	golden yellow (1004)
Agar	ISP 3 - G	good
Agar	ISP 3 - R	pastel yellow (1034)
Agar	ISP 3 - A	none
Agar	ISP 3 - S	beige (1001)
Agar	ISP 4 - G	good
Agar	ISP 4 - R	saffron yellow (1017)
Agar	ISP 4 - A	none
Agar	ISP 4 - S	none
Agar	ISP 5 - G	sparse
Agar	ISP 5 - R	light ivory (1015)
Agar	ISP 5 - A	none

Agar	ISP 5 - S	none
Agar	ISP 6 - G	sparse
Agar	ISP 6 - R	ivory (1014)
Agar	ISP 6 - A	none
Agar	ISP 6 - S	none
Agar	ISP 7 - G	sparse
Agar	ISP 7 - R	light ivory (1015), ochre yellow (1024)
Agar	ISP 7 - A	none
Agar	ISP 7 - S	none
Agar	suter with tyrosine - G	sparse
Agar	suter with tyrosine - R	ivory (1014), golden yellow (1024)
Agar	suter with tyrosine - A	none
Agar	suter with tyrosine - S	none
Agar	suter without tyrosine - G	sparse
Agar	suter without tyrosine - R	ivory (1014), golden yellow (1024)
Agar	suter without tyrosine - A	none
Agar	suter without tyrosine - S	none
	Sporechains/Sporangia	
Physiology		
Melanin		-
pH	range	
pH	optimum	
temperature	range	
temperature	optimum	
sodium chloride tolerance		0%
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	4
Api zym	Valine arylamidase	1
Api zym	Cystine arylamidase	0
Api zym	Trypsin	5

Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	4
Api zym	Naphtol-AS-BI-phosphohydrolase	1
Api zym	alpha galactosidase	1
Api zym	beta galactosidase	3
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	5
Api zym	beta glucosidase	5
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	-

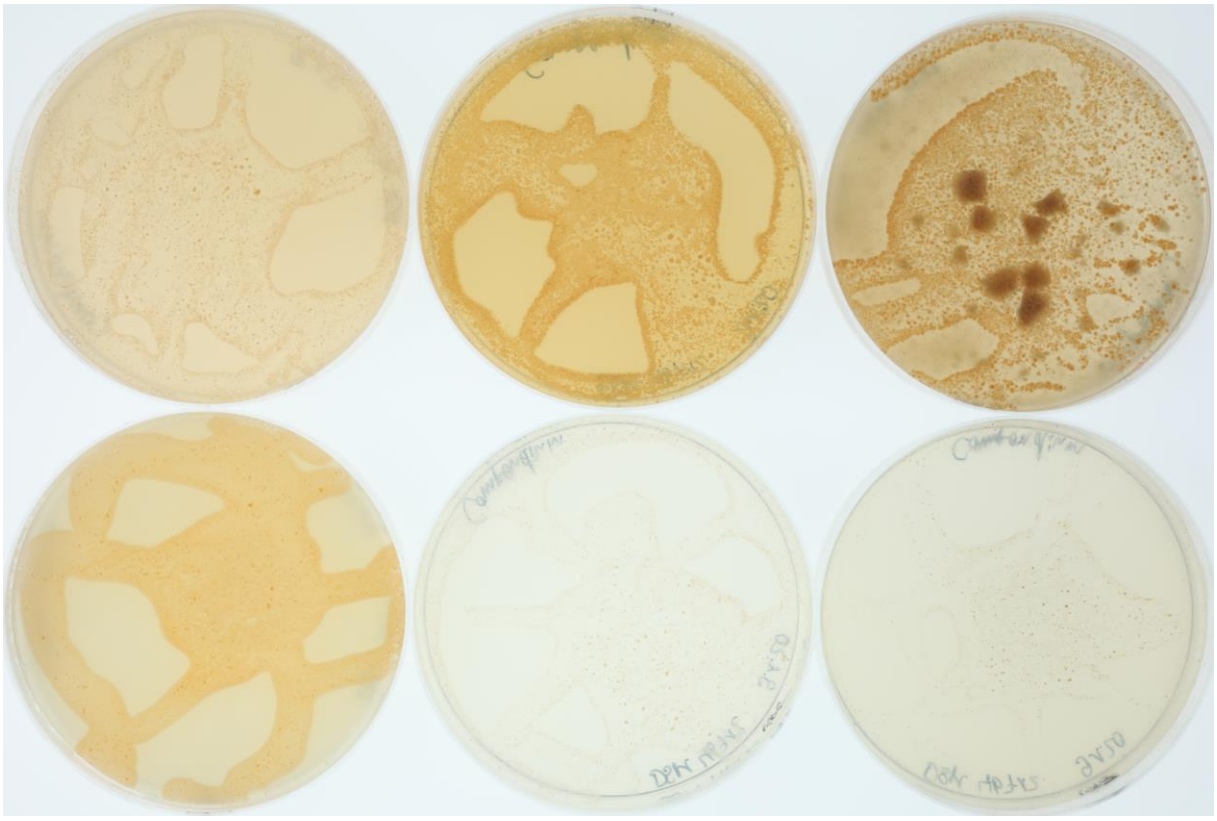
Apicoryne

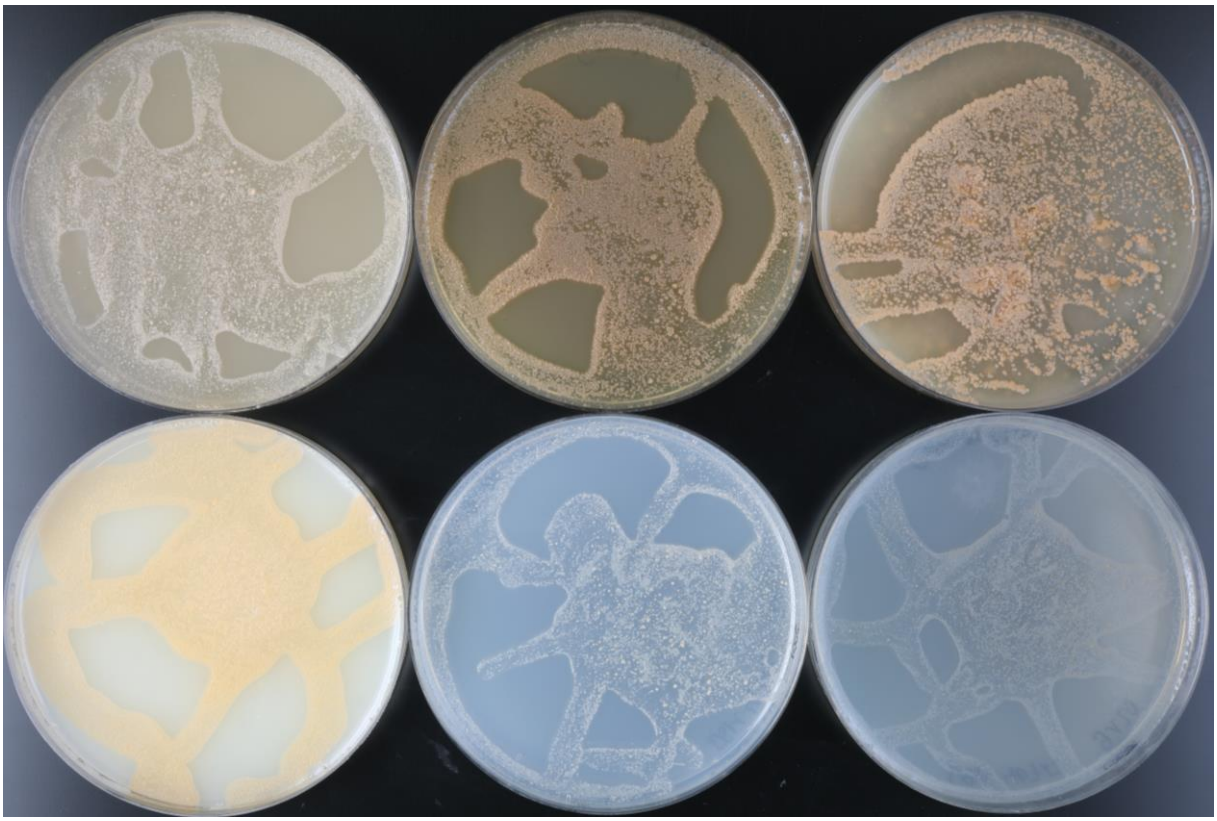
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM 46712.

Apizym

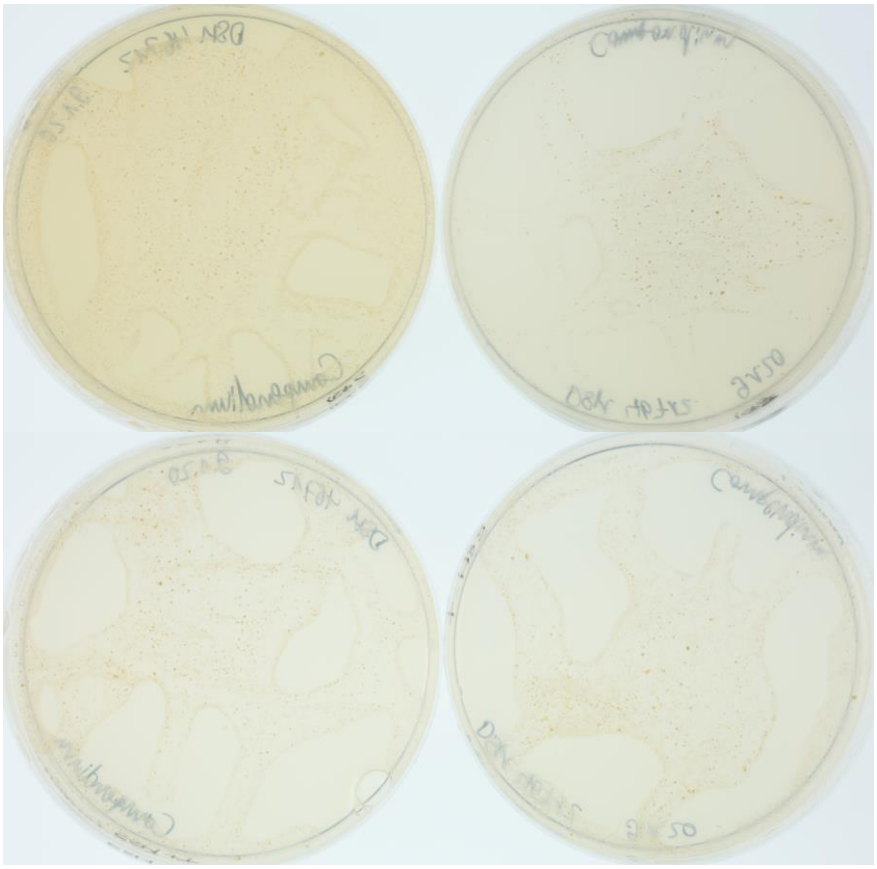
Abbildung 2: Apizym-Teststreifen mit Keim DSM 46712.

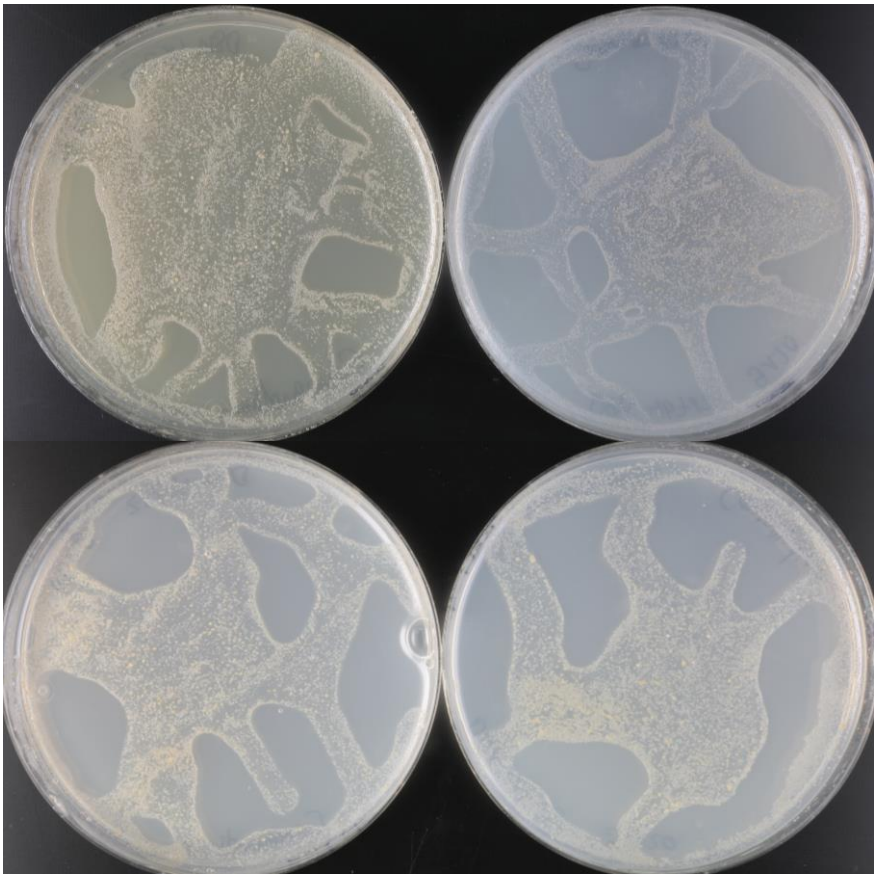
Plates (554, ISP2, ISP3, ISP4, ISP5, ISP7)



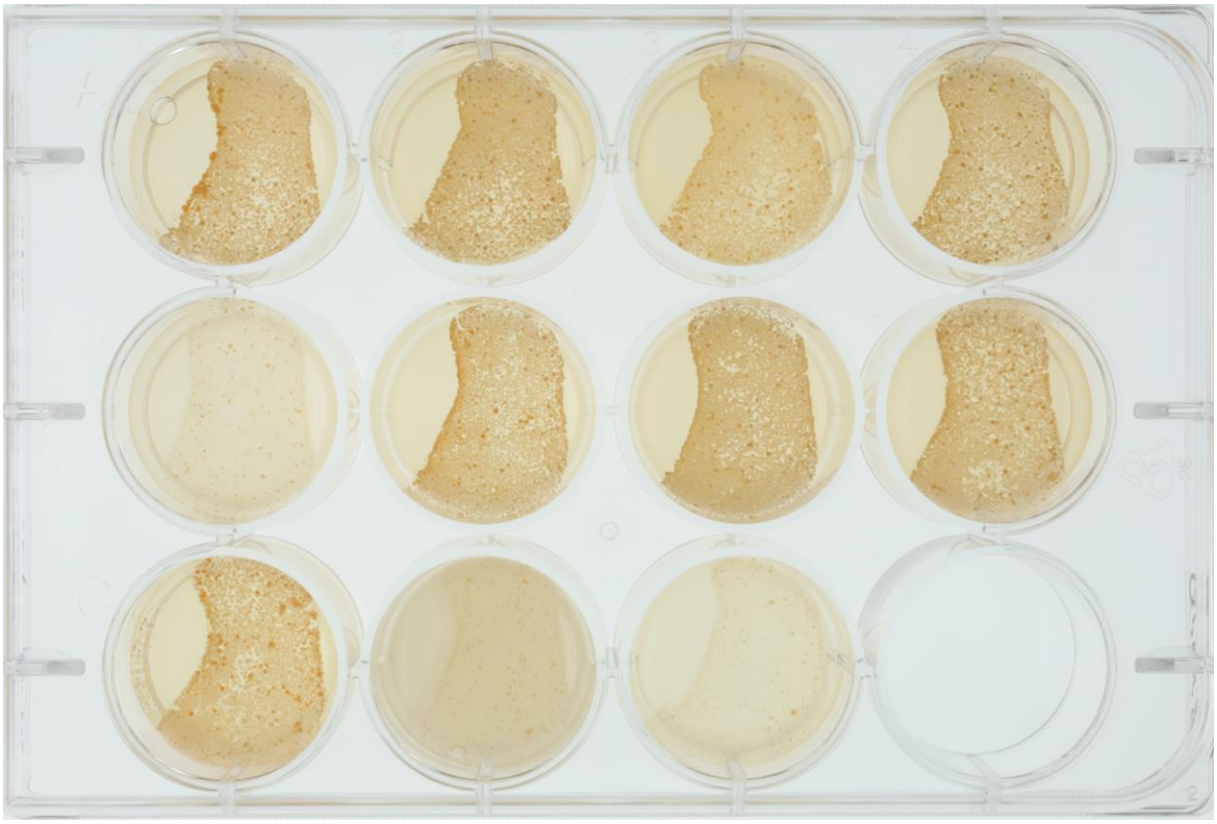


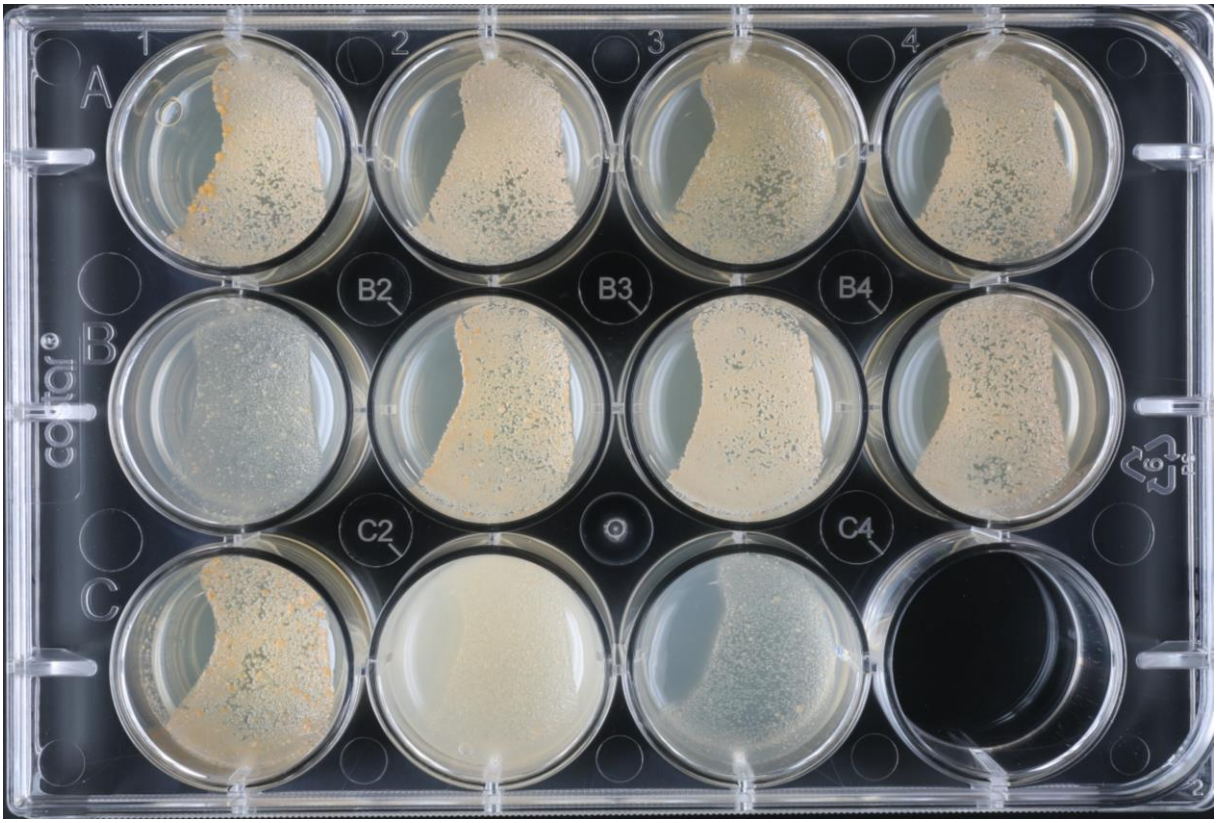
(ISP6, ISP7, SSM+T, SSM-T)





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%)