Strain		DSM 46717
Genus		***Streptosporangium***
Species		***sp.***
Status		
Risk group		1 (provisional classification by DSMZ)
Type strain		NEAU-QS7, CGMCC 4.7142
Genbank accession numbers		16S rRNA gene: KF928747
Reference		
Author		Ma, Z., Liu, H., Liu, C., He, H., Zhao, J., Wang, X., Li, J., Wang, X., Xiang, W.
Title		*Streptosporangium sonchi* sp. nov. and *Streptosporangium kronopolitis* sp. nov., two novel actinobacteria isolated from a root of common sowthistle (*Sonchus oleraceus* L.) and a millipede (*Kronopolites svenhedind* Verhoeff)
Journal		*Antonie Van Leeuwenhoek*
Volume		**107** (6)
Page		1491-9
Year		2015
Morphology		
Agar	ISP 2 - growth/G	good
Agar	ISP 2 - colony color/R	black red (3007)
Agar	ISP 2 - aerial mycelium/A	none
Agar	ISP 2 - soluble pigment/S	ruby red (3003)
Agar	ISP 3 - G	sparse
Agar	ISP 3 - R	black red (3007)
Agar	ISP 3 - A	none
Agar	ISP 3 - S	sand yellow (1002)
Agar	ISP 4 - G	sparse
Agar	ISP 4 - R	black red (3007)
Agar	ISP 4 - A	none
Agar	ISP 4 - S	beige red (3012)
Agar	ISP 5 - G	sparse
Agar	ISP 5 - R	purple red (3004)
Agar	ISP 5 - A	none
Agar	ISP 5 - S	red violet (4002)
Agar	ISP 6 - G	sparse
Agar	ISP 6 - R	olive brown (8008)
Agar	ISP 6 - A	none
Agar	ISP 6 - S	none
Agar	ISP 7 - G	sparse- good

Agar	ISP 7 - R	black red (3007)
Agar	ISP 7 - A	none
Agar	ISP 7 - S	purple red (3004)
Agar	suter with tyrosine - G	sparse
Agar	suter with tyrosine - R	grey brown (8019)
Agar	suter with tyrosine - A	none
Agar	suter with tyrosine - S	none
Agar	suter without tyrosine - G	sparse
Agar	suter without tyrosine - R	black red (3007)
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	5
Api zym	Esterase (C4)	3
Api zym	Esterase Lipase (C8)	2
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	5
Api zym	Cystine arylamidase	1
Api zym	Trypsin	3
Api zym	Chymotrypsin	3
Api zym	Phosphatase acid	3
Api zym	Naphtol-AS-BI-phosphohydrolase	2
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	0
Api zym	beta glucuronidase	0

Api zym	alpha glucosidase	5
Api zym	beta glucosidase	1
Api zym	N-acetyl-beta-glucoseamidase	5
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	-

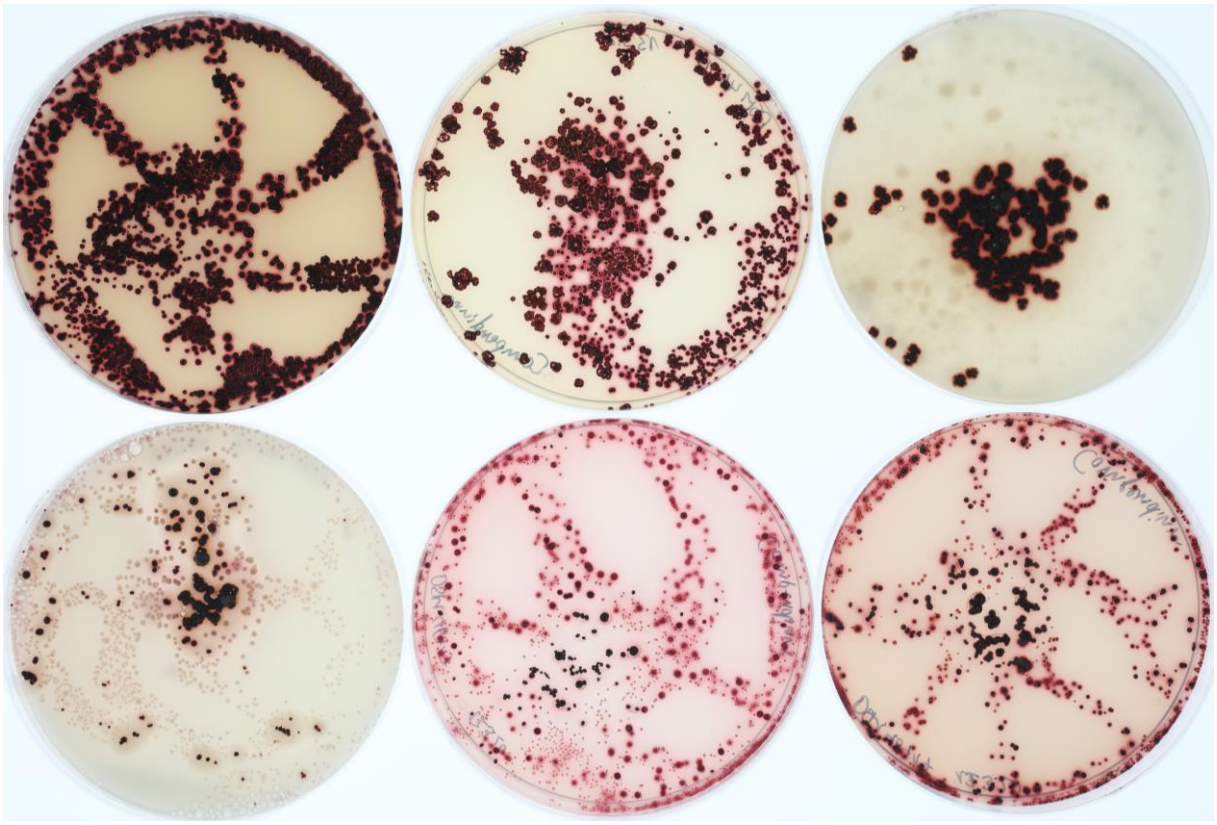
Apicoryne

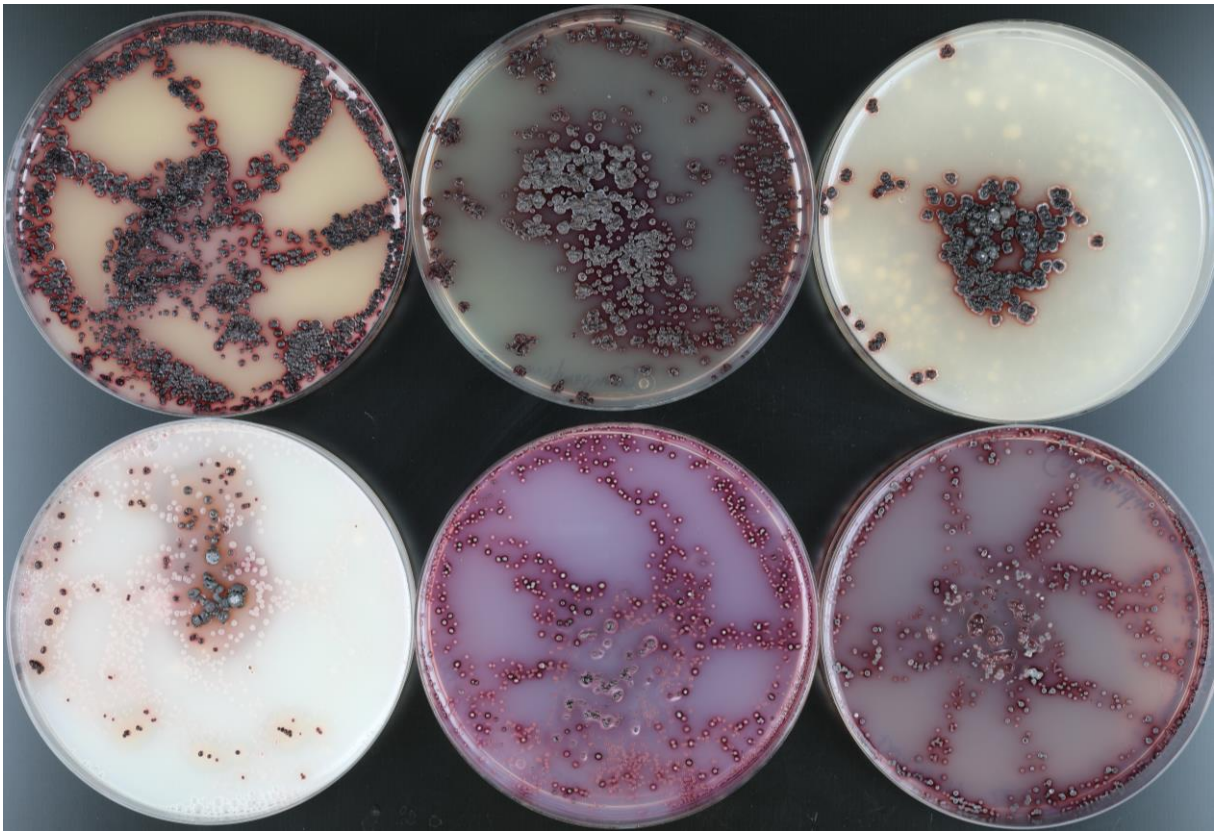
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM 46717.

Apizym

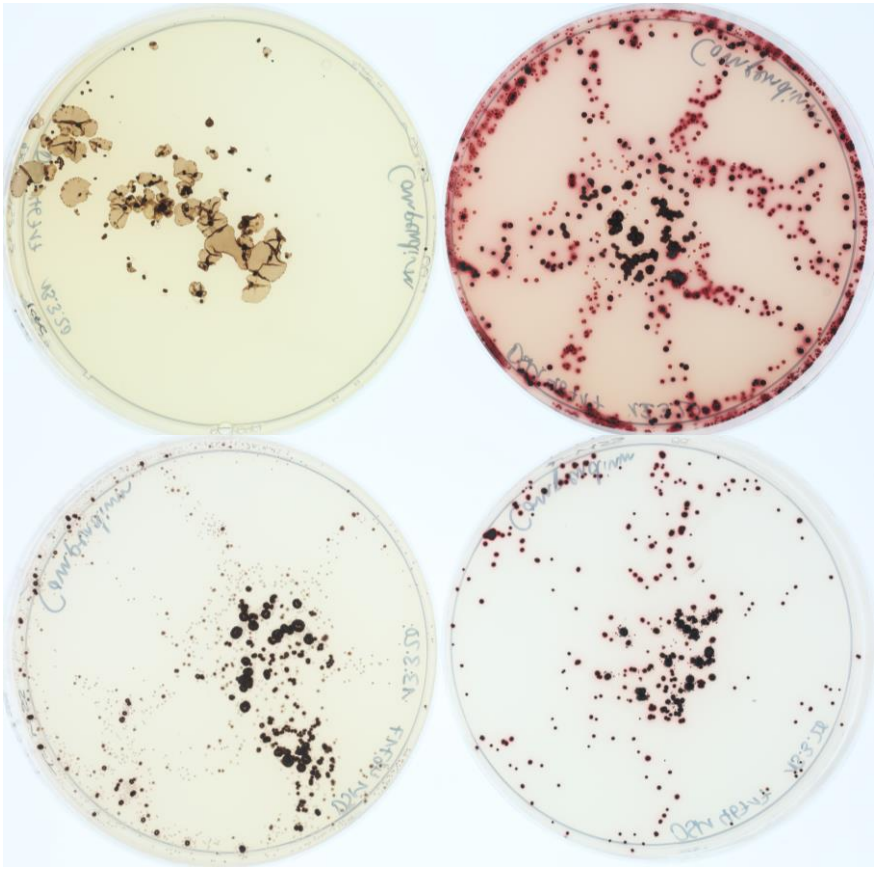
Abbildung 2: Apizym-Teststreifen mit Keim DSM 46717.

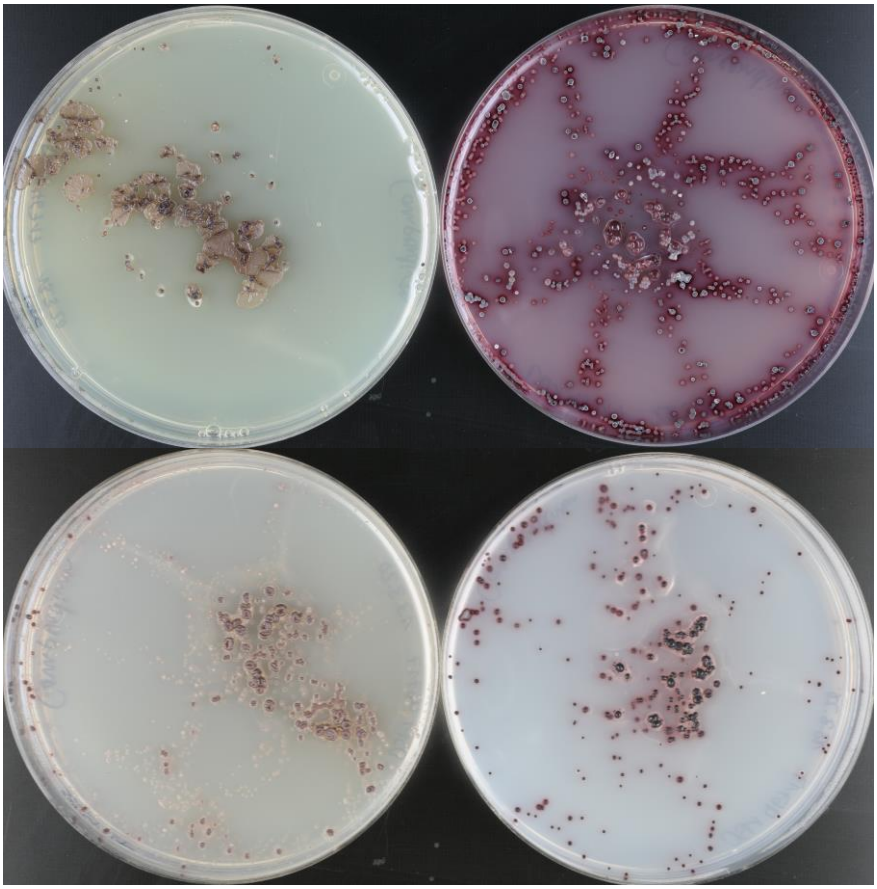
Plates (65, ISP2, ISP3, ISP4, ISP5, ISP7)



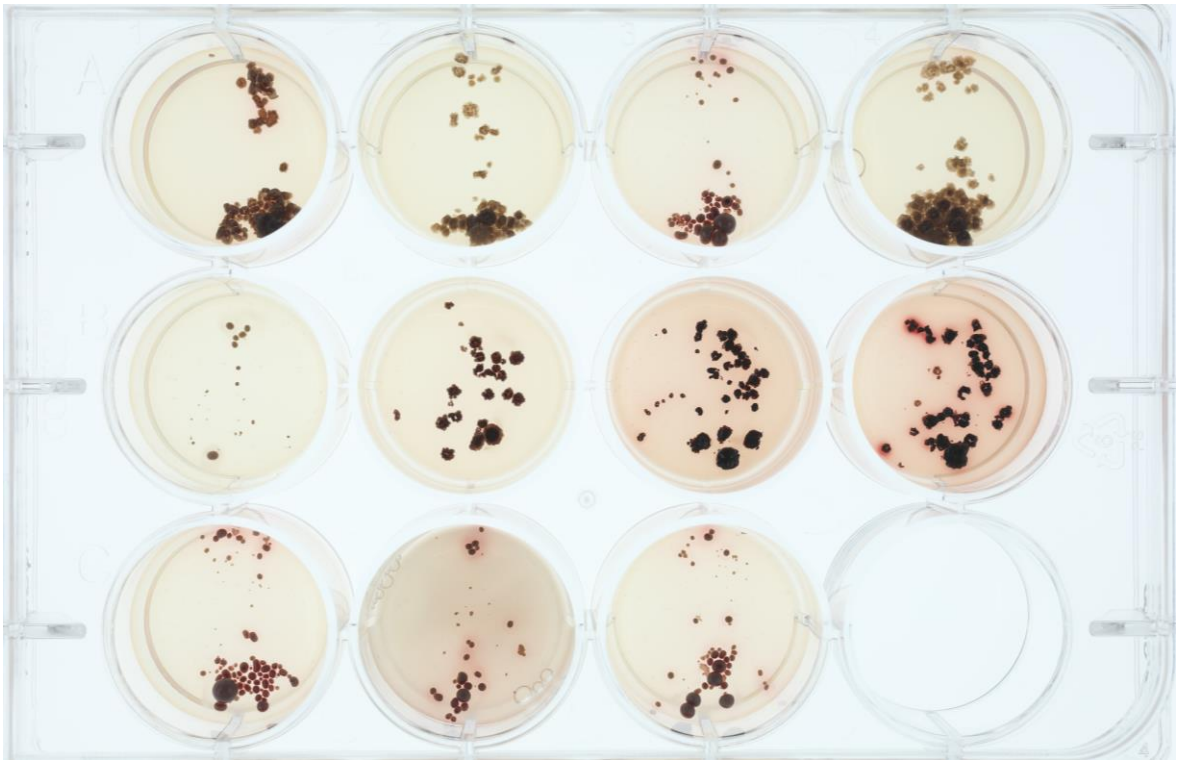


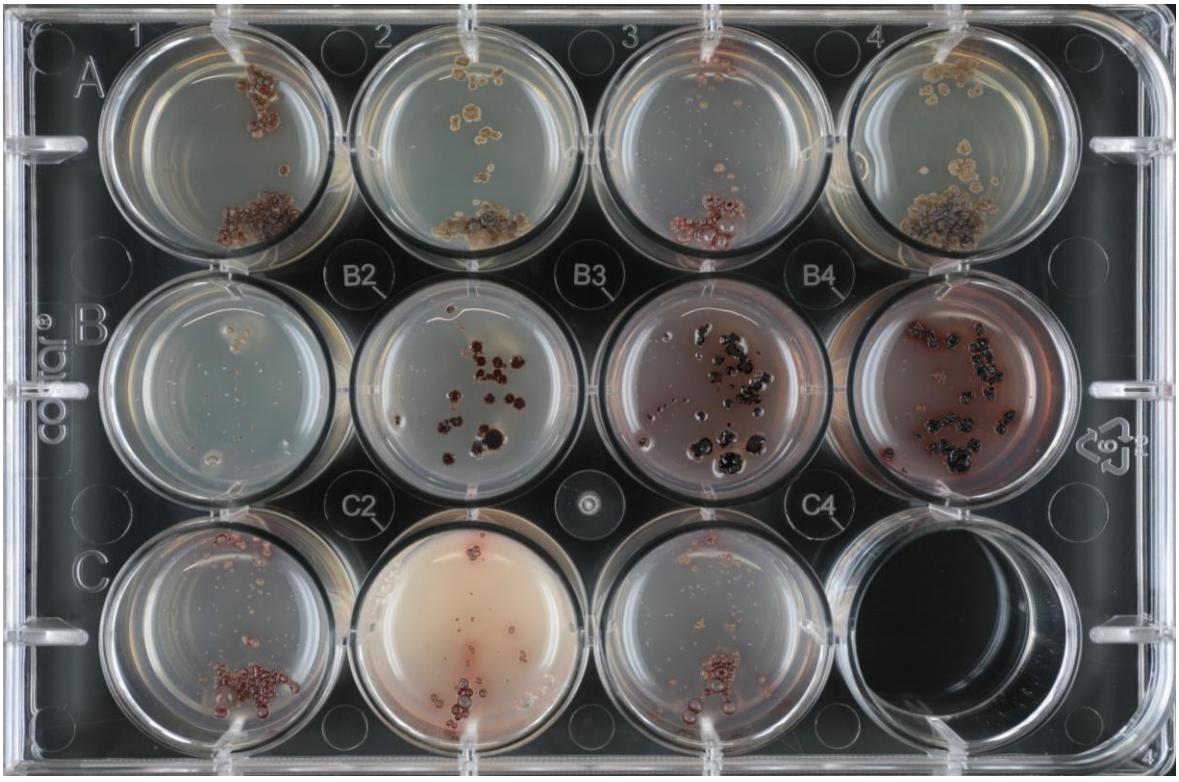
(ISP6, ISP7, SSM+T, SSM-T)





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%)