Strain		DSM 106194
Genus		***Streptomyces***
Species		***reniochalinae***
Status		
Risk group		1 (provisional classification by DSMZ)
Type strain		CCTCC AA 2018013; DSM 106194; LHW50302
Genbank accession number		16S rRNA gene: KX347891 whole genome shotgun sequence: QOIM00000000
Reference		
Author		Li L, Wang J, Zhou YJ, Lin HW, Lu YH.
Title		*Streptomyces reniochalinae* sp. nov. and *Streptomyces diacarni* sp. nov., from marine sponges
Journal		Int J Syst Evol Microbiol
Volume		69
Page		99-104
Year		2019
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony colour/R	8028 terra brown, 8000 green brown
Agar	ISP 2 - aerial mycelium/A	Sparse, 9002 grey white
Agar	ISP 2 - soluble pigment/S	None
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	8001 ochre brown, 8014 sepia brown
Agar	ISP 3 - A	Good, 9001 cream
Agar	ISP 3 - S	8025 pale brown, 8002 signal brown
Agar	ISP 4 - G	Good
Agar	ISP 4 - R	8025 pale brown, 1011 brown beige
Agar	ISP 4 - A	Good, 9016 traffic white, 7035 light grey
Agar	ISP 4 - S	8025 pale brown
Agar	ISP 5 - G	Good
Agar	ISP 5 - R	8014 sepia brown, 1001 beige
Agar	ISP 5 - A	Sparse, 9010 pure white
Agar	ISP 5 - S	8001 ochre brown
Agar	ISP 6 - G	Good
Agar	ISP 6 - R	1002 sand yellow, 8019 grey brown

Agar	ISP 6 - A	Sparse, 9010 pure white
Agar	ISP 6 - S	None
Agar	ISP 7 - G	Good
Agar	ISP 7 - R	8000 green brown, 8014 sepia brown
Agar	ISP 7 - A	Good, 9002 grey white, 7030 stone grey
Agar	ISP 7 - S	8001 ochre brown
Agar	suter with tyrosine - G	Good
Agar	suter with tyrosine - R	1001 beige, 1019 grey beige
Agar	suter with tyrosine - A	Sparse, 9002 grey white
Agar	suter with tyrosine - S	8001 ochre brown
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	1001 beige
Agar	suter without tyrosine - A	Sparse, 9001 cream
Agar	suter without tyrosine - S	none
	Sporechains/Sporangia	
Physiology		
Melanin		-
pH	range	
pH	optimum	
temperature	range	
temperature	optimum	
sodium chloride tolerance		10%
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)	2
Api zym	Esterase Lipase (C8)	2
Api zym	Lipase (C14)	1
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	2
Api zym	Cystine arylamidase	1
Api zym	Trypsin	1
Api zym	Chymotrypsin	1
Api zym	Phosphatase acid	5

Api zym	Naphtol-AS-BI-phosphohydrolase	4
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	4
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	5
Api zym	beta glucosidase	5
Api zym	N-acetyl-beta-glucoseamidase	5
Api zym	alpha mannosidase	5
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	-

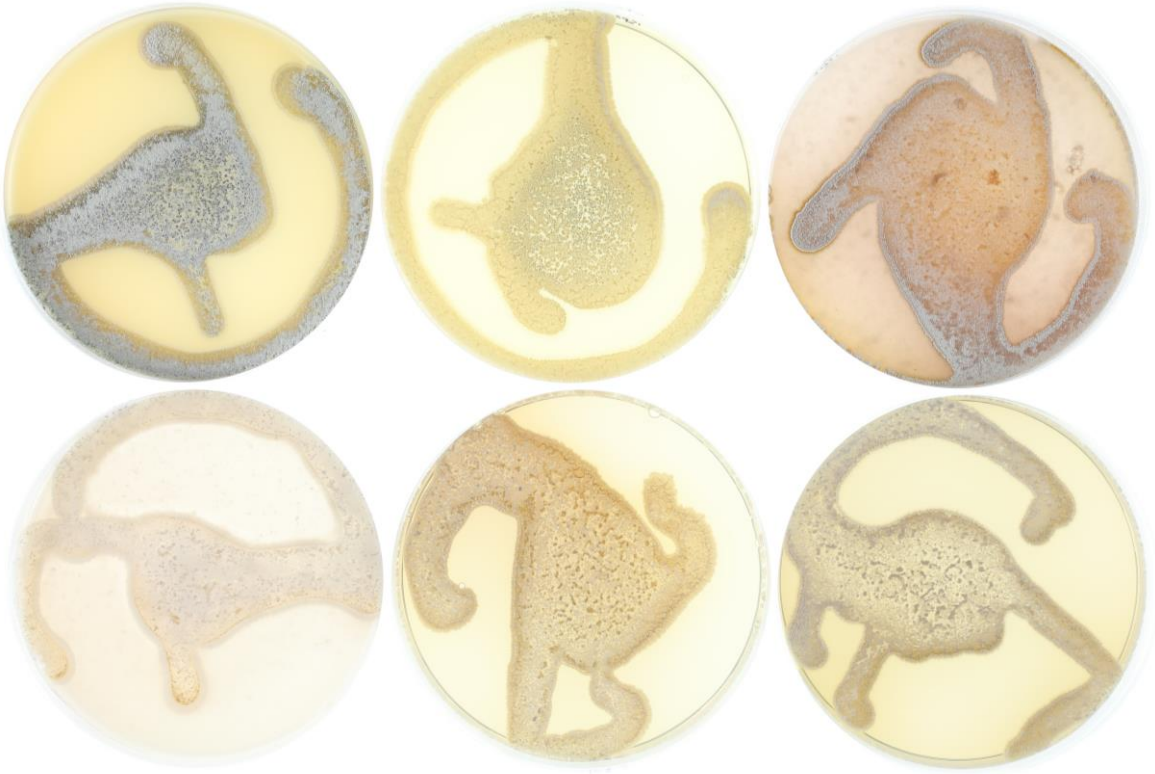
APIcoryne

Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

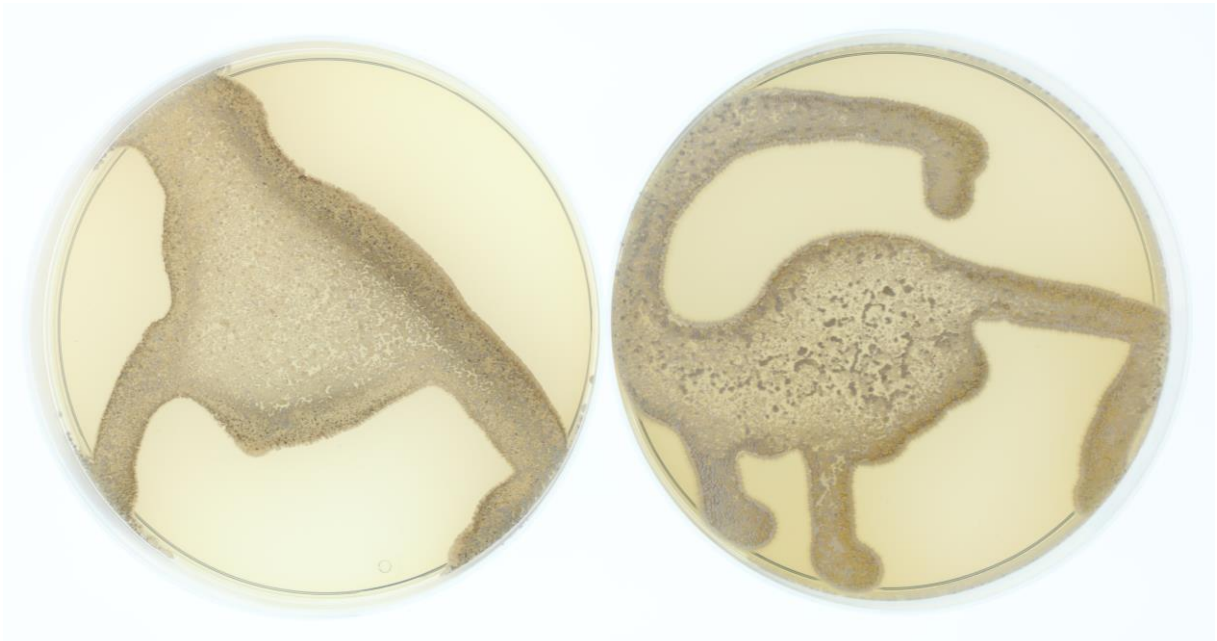
APIzym

Abbildung 2: Apizym-Teststreifen mit Keim DSM.

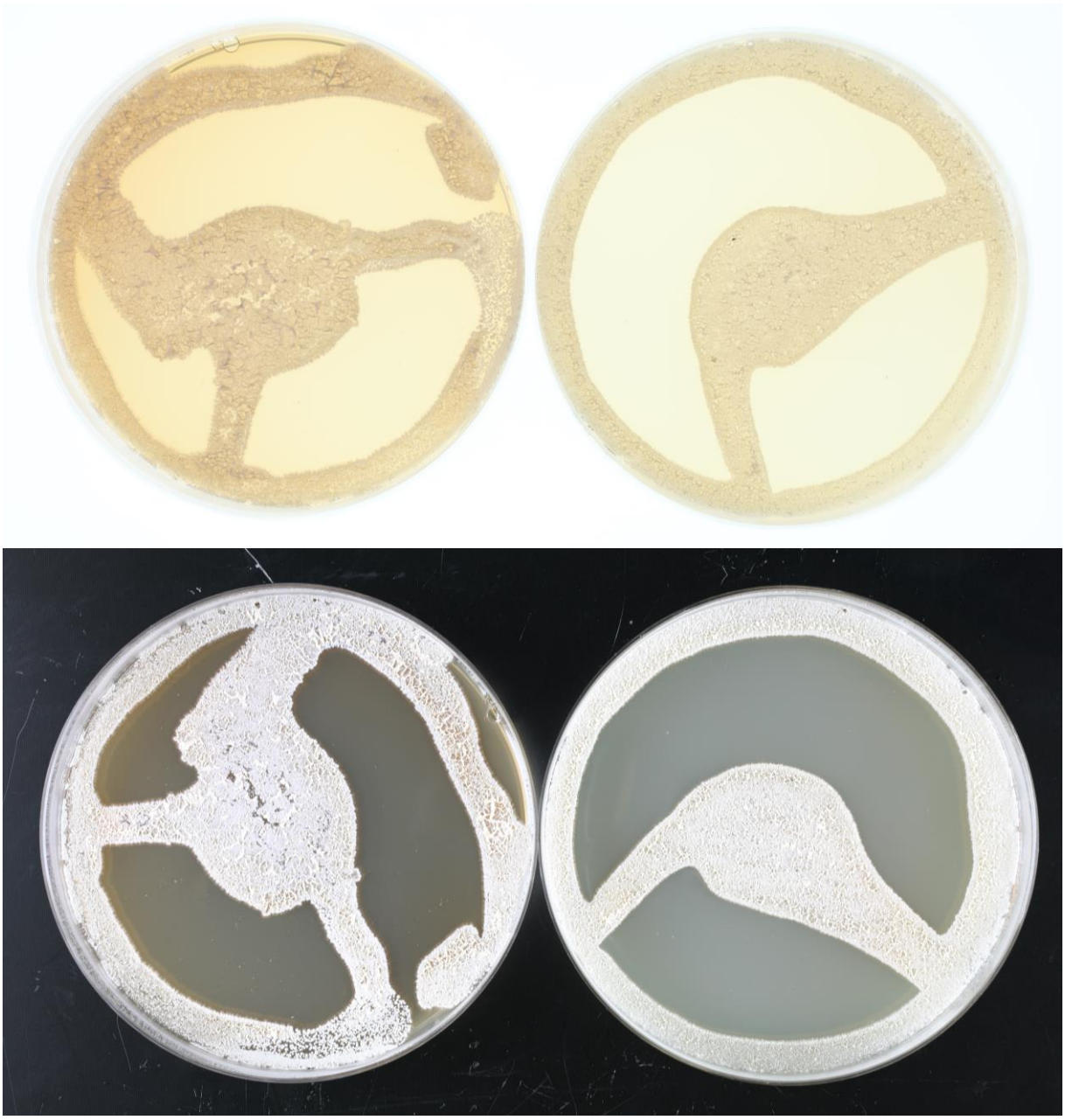
Plates (65, ISP2, ISP3, ISP4, ISP5, ISP7)



(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%)