

<b>Strain</b>		DSM 107943
Genus		<i>Streptomyces</i>
Species		<i>oryziradicis</i>
<b>Status</b>		
Risk group		1 (provisional classification by DSMZ)
Type strain		NEAU-C40, CCTCC AA 2018038, NEAU-C40
Genbank accession number		16S rRNA gene: <a href="#">MK245982</a> whole genome shotgun sequence: <a href="#">SUMC00000000</a>
<b>Reference</b>		
Author		Li, C., Cao, P., Jiang, M., Sun, T., Shen, Y., Xiang, W., Zhao, J., Wang, X.
Title		<i>Streptomyces oryziradicis</i> sp. nov., a novel actinomycete isolated from rhizosphere soil of rice ( <i>Oryza sativa</i> L.)
Journal		Int J Syst Evol Microbiol
Volume		70
Page		465-472
Year		2020
<b>Morphology</b>		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony colour/R	8028 terra brown, 7002 olive grey
Agar	ISP 2 - aerial mycelium/A	None
Agar	ISP 2 - soluble pigment/S	None
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	6003 olive green, 6020 chrome green, 7005 mouse grey
Agar	ISP 3 - A	Good, 9003 signal white
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Sparse
Agar	ISP 4 - R	1013 oyster white
Agar	ISP 4 - A	None
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Good
Agar	ISP 5 - R	1013 oyster white, 1015 light ivory
Agar	ISP 5 - A	None
Agar	ISP 5 - S	None
Agar	ISP 6 - G	Sparse
Agar	ISP 6 - R	1015 light ivory
Agar	ISP 6 - A	None
Agar	ISP 6 - S	None

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University of Braunschweig

Agar	ISP 7 - G	Good
Agar	ISP 7 - R	1002 sand yellow
Agar	ISP 7 - A	None
Agar	ISP 7 - S	None
Agar	suter with tyrosine - G	Sparse
Agar	suter with tyrosine - R	1015 light ivory
Agar	suter with tyrosine - A	None
Agar	suter with tyrosine - S	None
Agar	suter without tyrosine - G	Sparse
Agar	suter without tyrosine - R	1015 light ivory
Agar	suter without tyrosine - A	None
Agar	suter without tyrosine - S	None
	Sporechains/Sporangia	
<b>Physiology</b>		
Melanin		0
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 alkaline	0
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	0
Api zym	Cystine arylamidase	0
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	5
Api zym	Naphtol-AS-BI-phosphohydrolase	3
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	4

Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	4
Api zym	beta glucosidase	0
Api zym	N-acetyl-beta-glucoseamidase	0
Api zym	alpha mannosidase	2
Api zym	alpha fucosidase	0
Api coryne	nitrate reduction	-
Api coryne	Pyrazinamidase	-
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



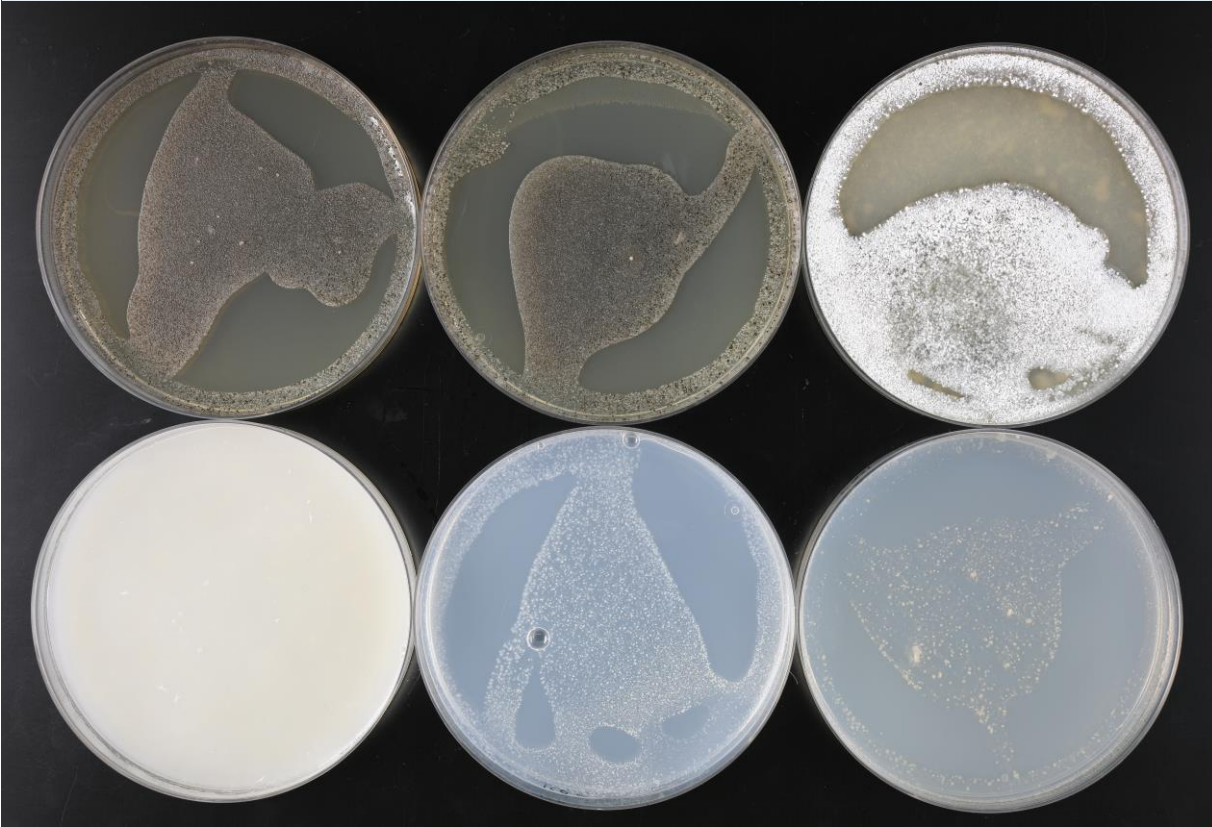
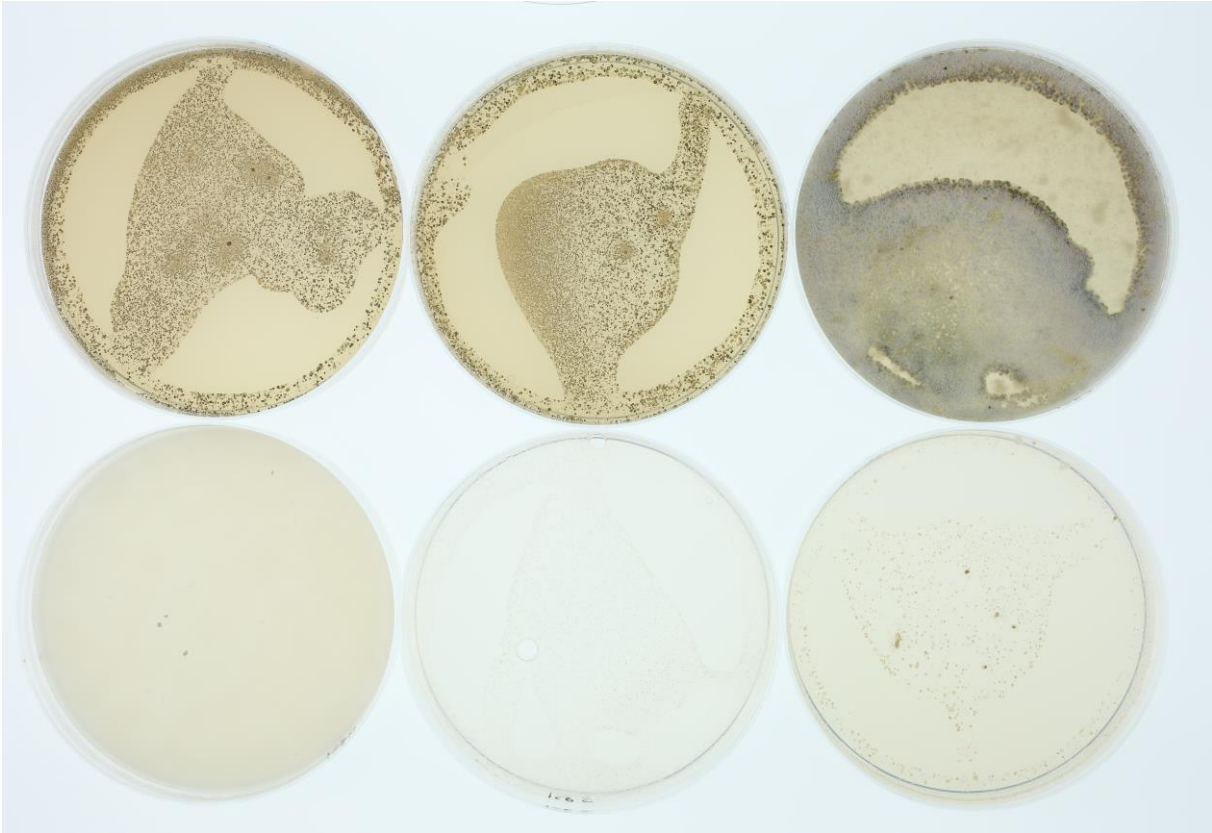
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

### APIzym

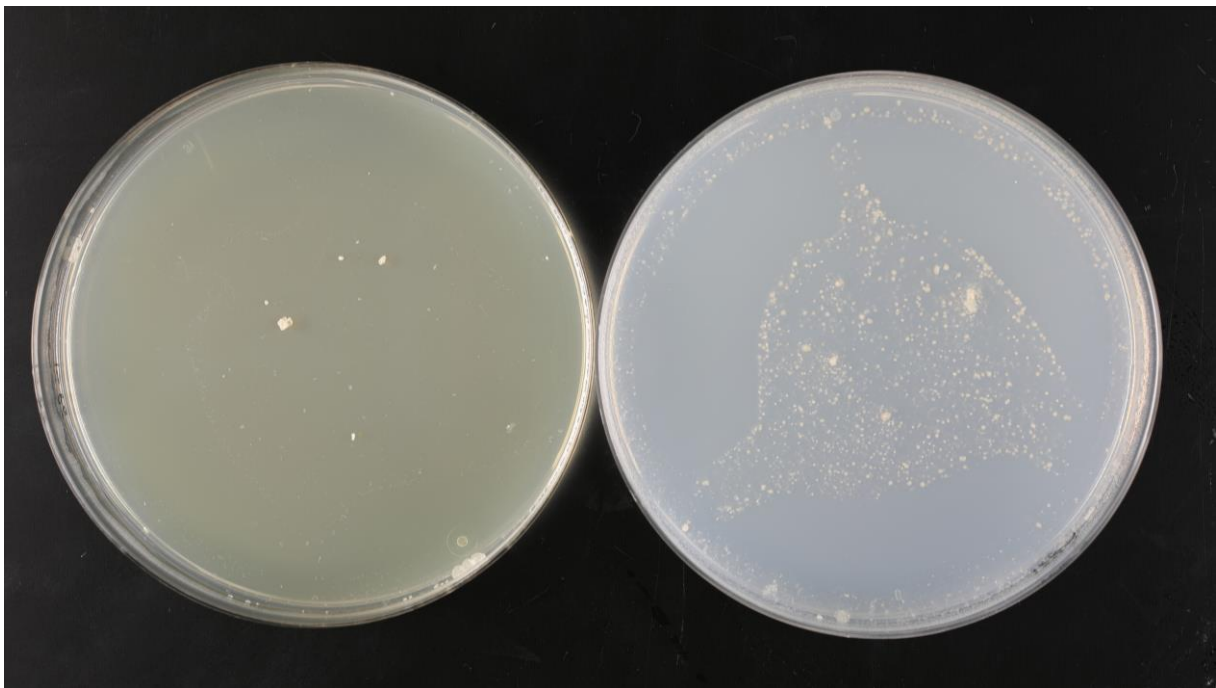
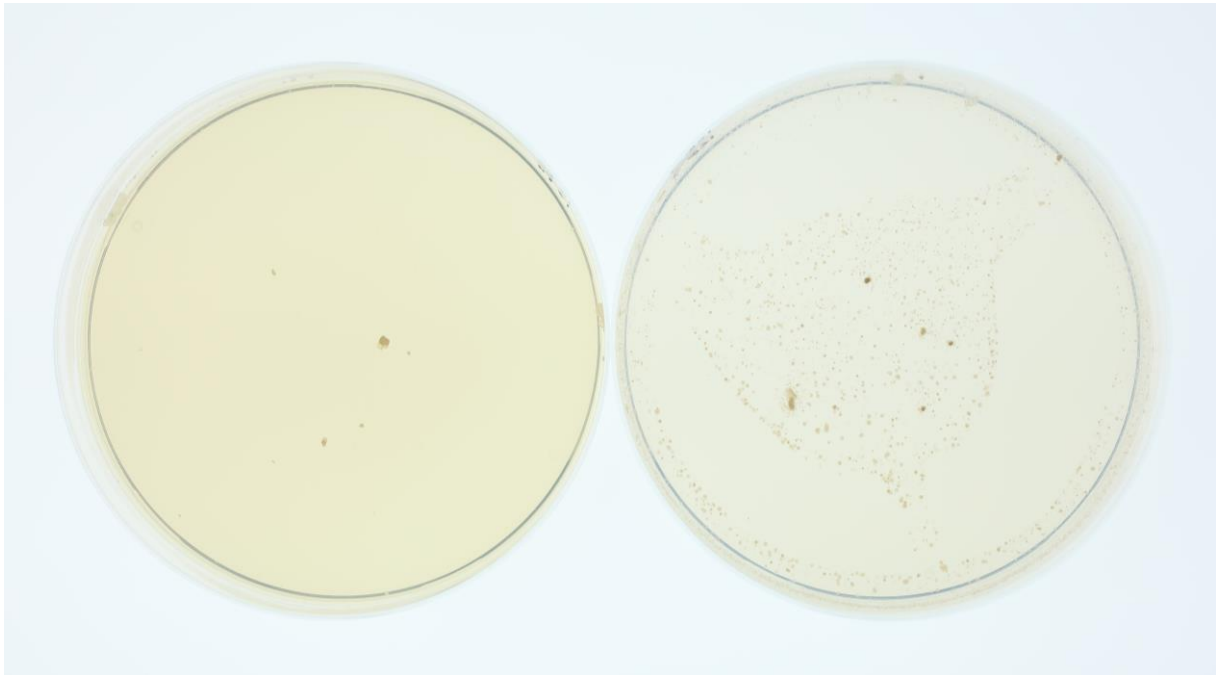


Abbildung 2: Apizym-Teststreifen mit Keim DSM.

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

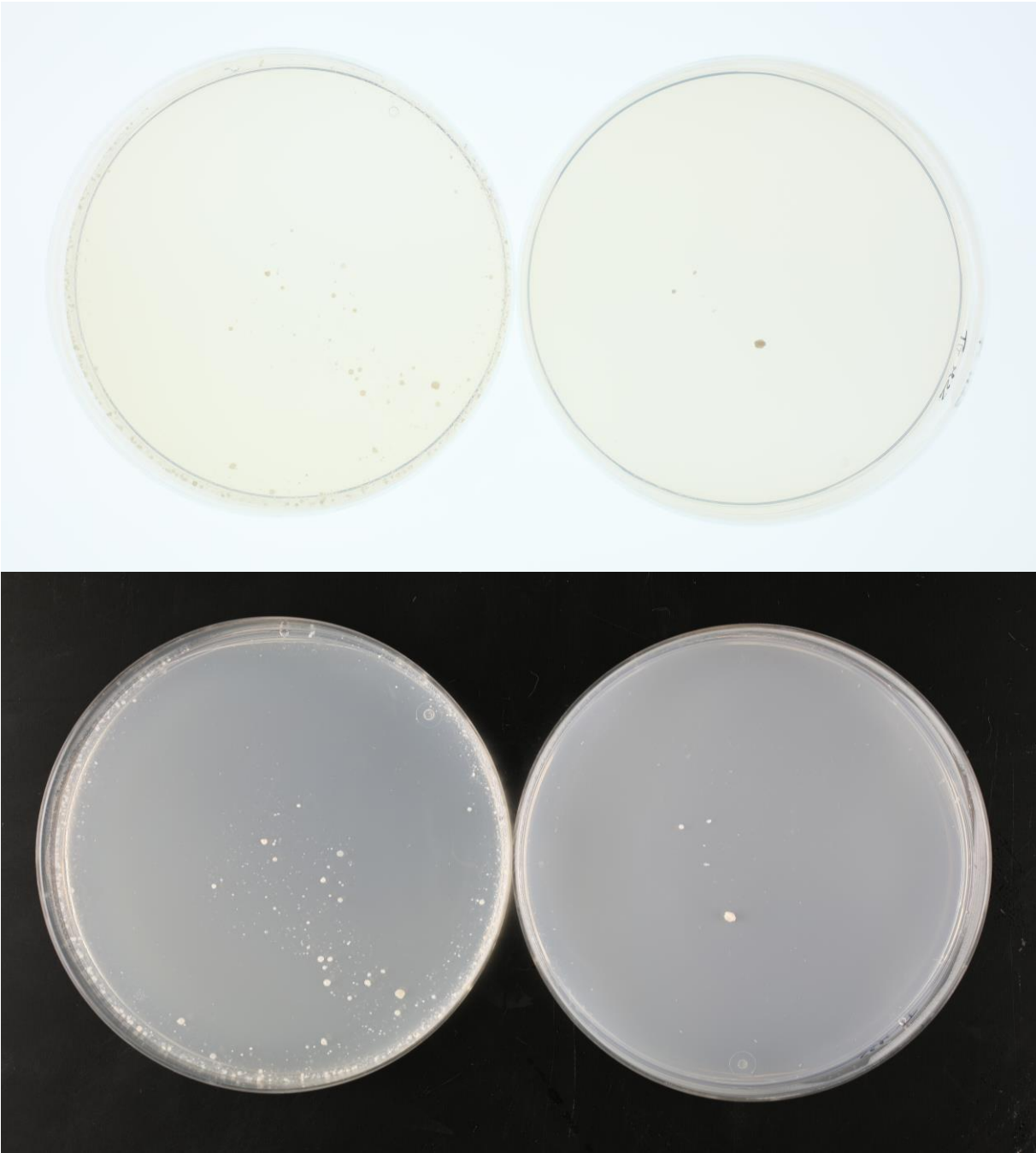


(ISP6, ISP7)





(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%)**

