

<b>Strain</b>		DSM 105049
Genus		<b><i>Agromyces</i></b>
Species		<b><i>tardus</i></b>
<b>Status</b>		
Risk group		1 (provisional classification by DSMZ)
Type strain		CGMCC 4.7419; DSM 105049; SJ-23
Genbank accession number		16S rRNA gene: <a href="#">MH342641</a> whole genome shotgun sequence: <a href="#">RHHB00000000</a>
<b>Reference</b>		
Author		Sun T, Cao P, Sun K, Li C, Jiang M, Jia W, Wang X, Zhao J, Xiang W.
Title		<i>Agromyces tardus</i> sp. nov., an actinobacterium isolated from the rhizosphere soil of wheat ( <i>Triticum aestivum</i> L.)
Journal		Int J Syst Evol Microbiol
Volume		69
Page		3268-3275
Year		2019
<b>Morphology</b>		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony colour/R	1005 honey yellow
Agar	ISP 2 - aerial mycelium/A	Sparse, 9003 signal white
Agar	ISP 2 - soluble pigment/S	None
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	1003 signal yellow
Agar	ISP 3 - A	Sparse, 9003 signal white
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Good
Agar	ISP 4 - R	1034 pastel yellow
Agar	ISP 4 - A	Good, 9001 cream
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Good
Agar	ISP 5 - R	1034 pastel yellow
Agar	ISP 5 - A	Good, 9016 traffic white
Agar	ISP 5 - S	None
Agar	ISP 6 - G	Sparse
Agar	ISP 6 - R	1014 ivory
Agar	ISP 6 - A	None
Agar	ISP 6 - S	None
Agar	ISP 7 - G	Good
Agar	ISP 7 - R	1004 golden yellow, 2000 yellow

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		orange
Agar	ISP 7 - A	Good, 9016 traffic white
Agar	ISP 7 - S	None
Agar	suter with tyrosine - G	Good
Agar	suter with tyrosine - R	8002 signal brown
Agar	suter with tyrosine - A	none
Agar	suter with tyrosine - S	8001 ochre brown
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	2001 red orange
Agar	suter without tyrosine - A	none
Agar	suter without tyrosine - S	None
	Sporechains/Sporangia	
<b>Physiology</b>		
Melanin		1
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 alkaline	0
Api zym	Esterase (C4)	3
Api zym	Esterase Lipase (C8)	4
Api zym	Lipase (C14)	3
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	2
Api zym	Cystine arylamidase	3
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	2
Api zym	Naphtol-AS-BI-phosphohydrolase	3
Api zym	alpha galactosidase	2
Api zym	beta galactosidase	4
Api zym	beta glucuronidase	1

Api zym	alpha glucosidase	5
Api zym	beta glucosidase	5
Api zym	N-acetyl-beta-glucoseamidase	2
Api zym	alpha mannosidase	0
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



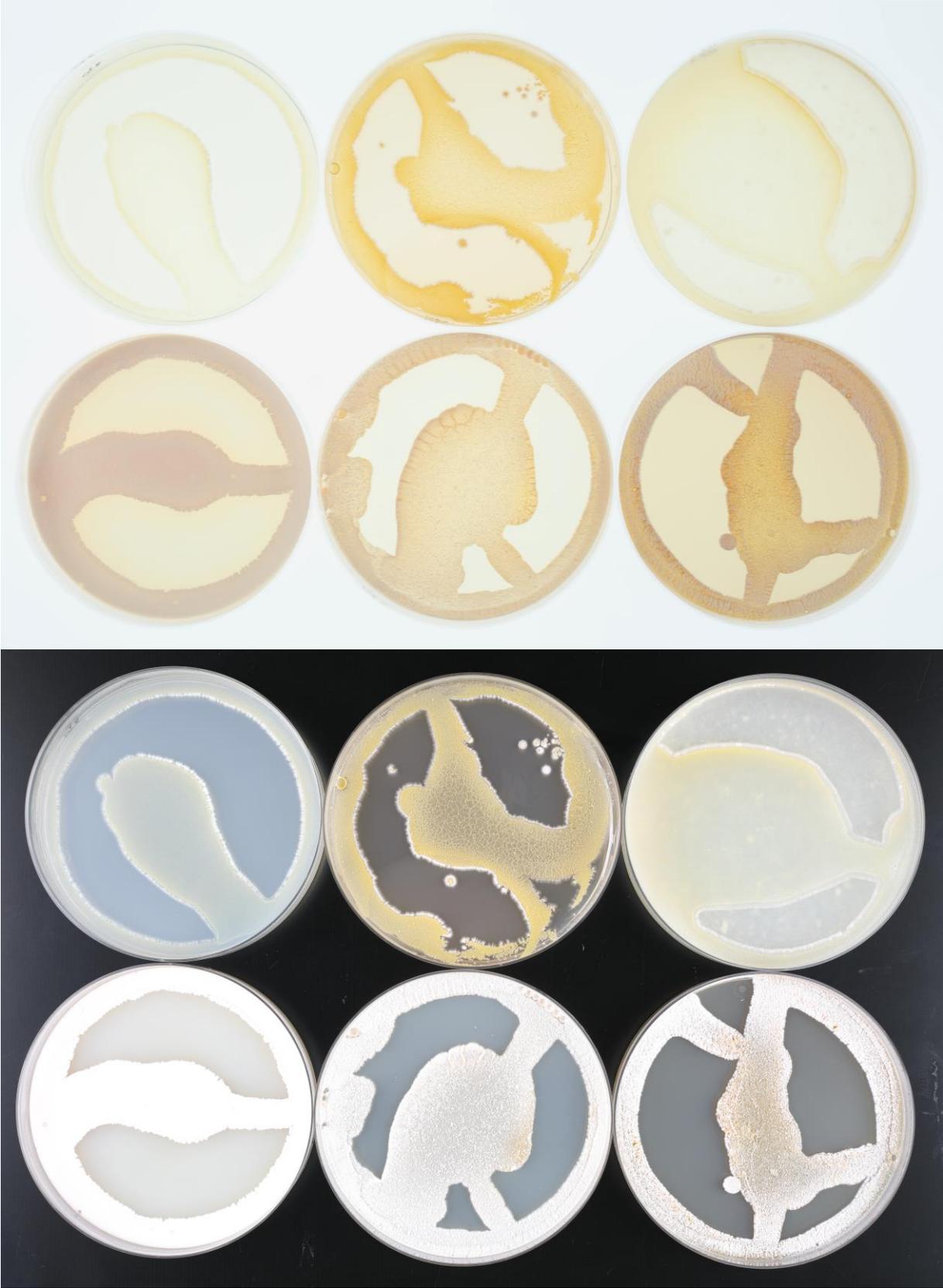
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

### APiZym

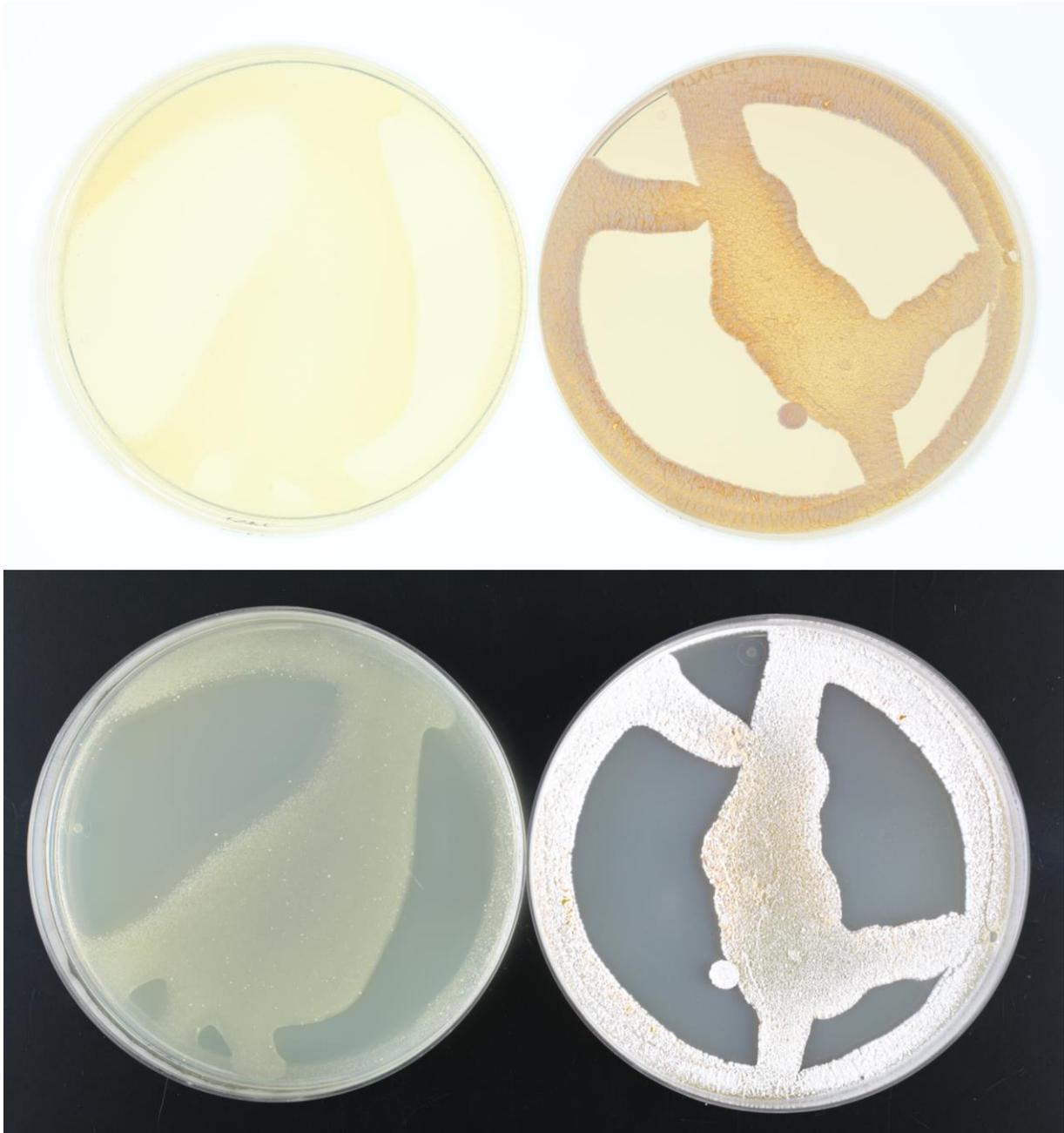


Abbildung 2: Apizym-Teststreifen mit Keim DSM.

**Plates (830, 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%)**

