Strain		DSM 45934
Genus		***Actinocrispum***
Species		***wychmicini***
Status		valid
Risk group		1
Type strain		MI503-A4, NBRC 109632
Genbank accession numbers		16S rRNA gene: AB738044
Reference		
Author		Hatano M, Kinoshita N, Igarashi M, Nomoto A.
Title		Actinocrispum wychmicini gen. nov., sp. nov., a novel member of the family Pseudonocardiaceae, isolated from soil
Journal		Int J Syst Evol Microbiol
Volume		66
Page		4779-4784
Year		2016
Morphology		
Agar	ISP 2 - growth/G	good
Agar	ISP 2 - colony color/R	clay brown (8003, ochre brown (8001)
Agar	ISP 2 - aerial mycelium/A	cream (9001)
Agar	ISP 2 - soluble pigment/S	none
Agar	ISP 3 - G	good
Agar	ISP 3 - R	sand yellow (1002), brown beige (1011)
Agar	ISP 3 - A	signal white (9003)
Agar	ISP 3 - S	none
Agar	ISP 4 - G	sparse
Agar	ISP 4 - R	ivory (1014)
Agar	ISP 4 - A	none
Agar	ISP 4 - S	none
Agar	ISP 5 - G	good
Agar	ISP 5 - R	sand yellow (1002),ochre yellow (1024)
Agar	ISP 5 - A	signal white (9003)
Agar	ISP 5 - S	none
Agar	ISP 6 - G	sparse
Agar	ISP 6 - R	sand yellow (1002)
Agar	ISP 6 - A	none
Agar	ISP 6 - S	none
Agar	ISP 7 - G	good
Agar	ISP 7 - R	sand yellow (1002),ochre yellow

		(1024)
Agar	ISP 7 - A	pure white (9010)
Agar	ISP 7 - S	none
Agar	suter with tyrosine - G	good
Agar	suter with tyrosine - R	sand yellow (1002),ochre yellow (1024)
Agar	suter with tyrosine - A	none
Agar	suter with tyrosine - S	none
Agar	suter without tyrosine - G	good
Agar	suter without tyrosine - R	ivory (1014)
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	4
Api zym	Esterase (C4)	3
Api zym	Esterase Lipase (C8)	4
Api zym	Lipase (C14)	1
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	5
Api zym	Cystine arylamidase	3
Api zym	Trypsin	5
Api zym	Chymotrypsin	5
Api zym	Phosphatase acid	5
Api zym	Naphtol-AS-BI-phosphohydrolase	1
Api zym	alpha galactosidase	3
Api zym	beta galactosidase	4
Api zym	beta glucuronidase	0

Api zym	alpha glucosidase	4
Api zym	beta glucosidase	3
Api zym	N-acetyl-beta-glucoseamidase	5
Api zym	alpha mannosidase	5
Api zym	alpha fucosidase	1
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	-

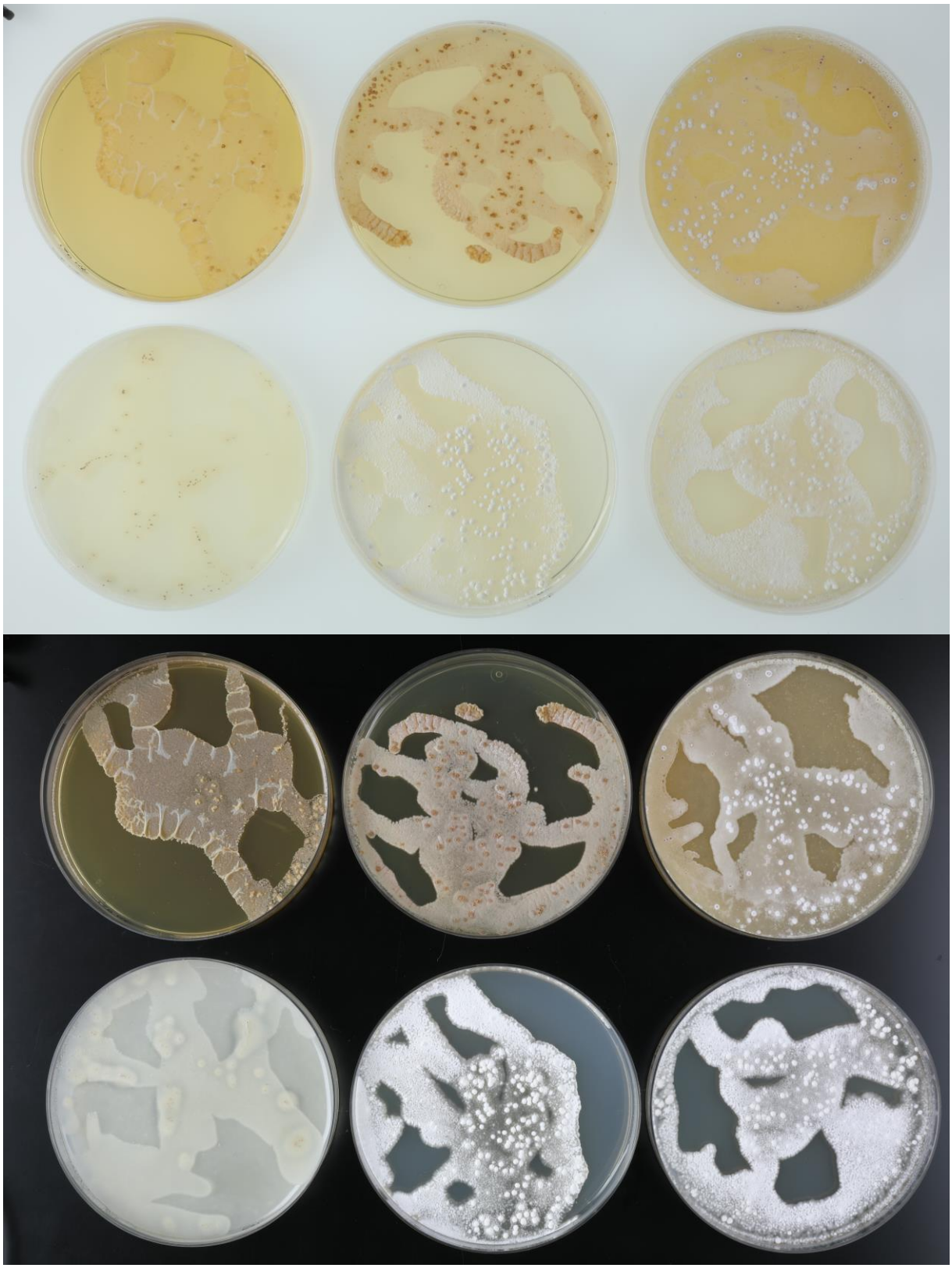
Apicoryne

Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

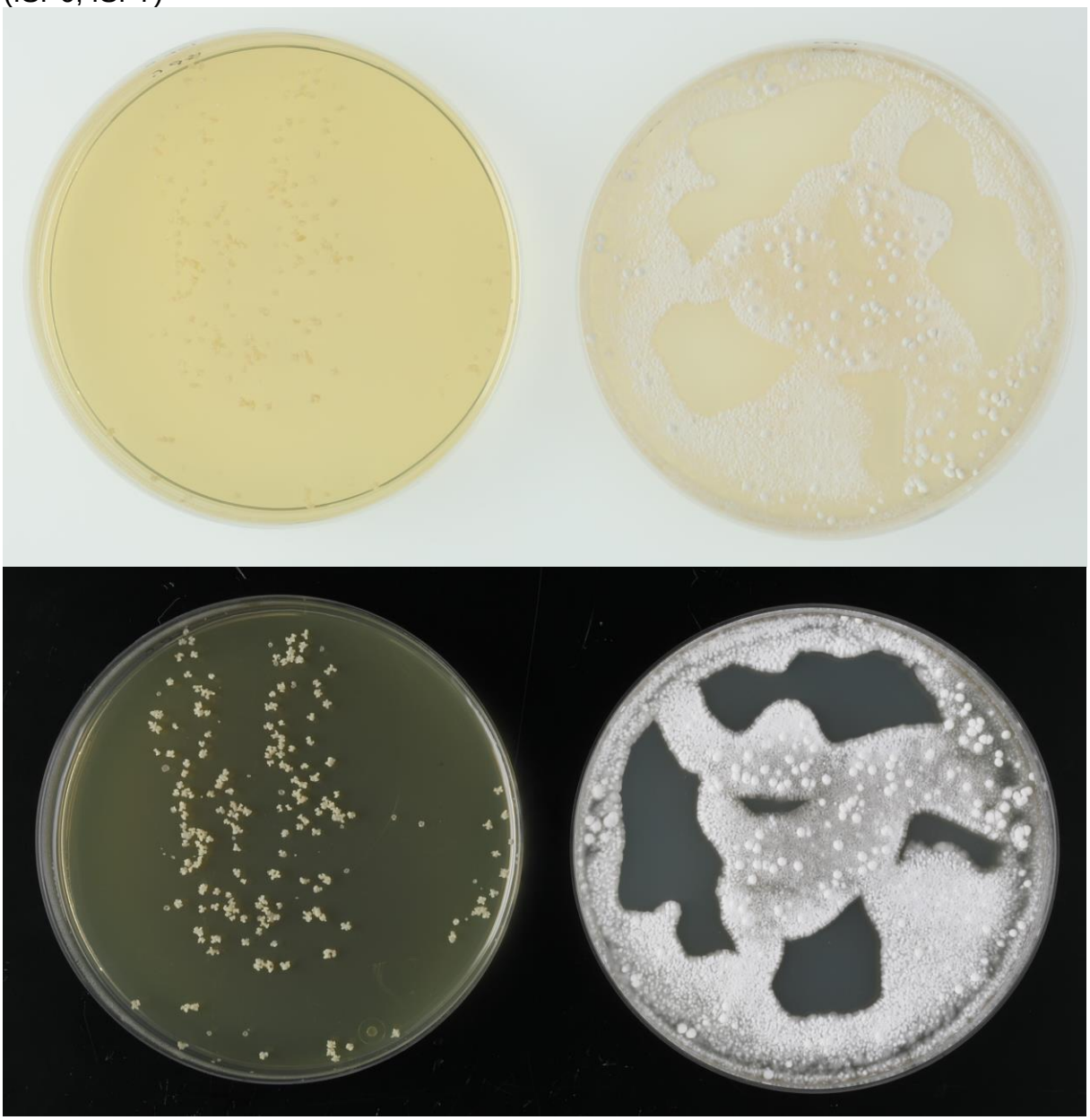
Apizym

Abbildung 2: Apizym-Teststreifen mit Keim DSM.

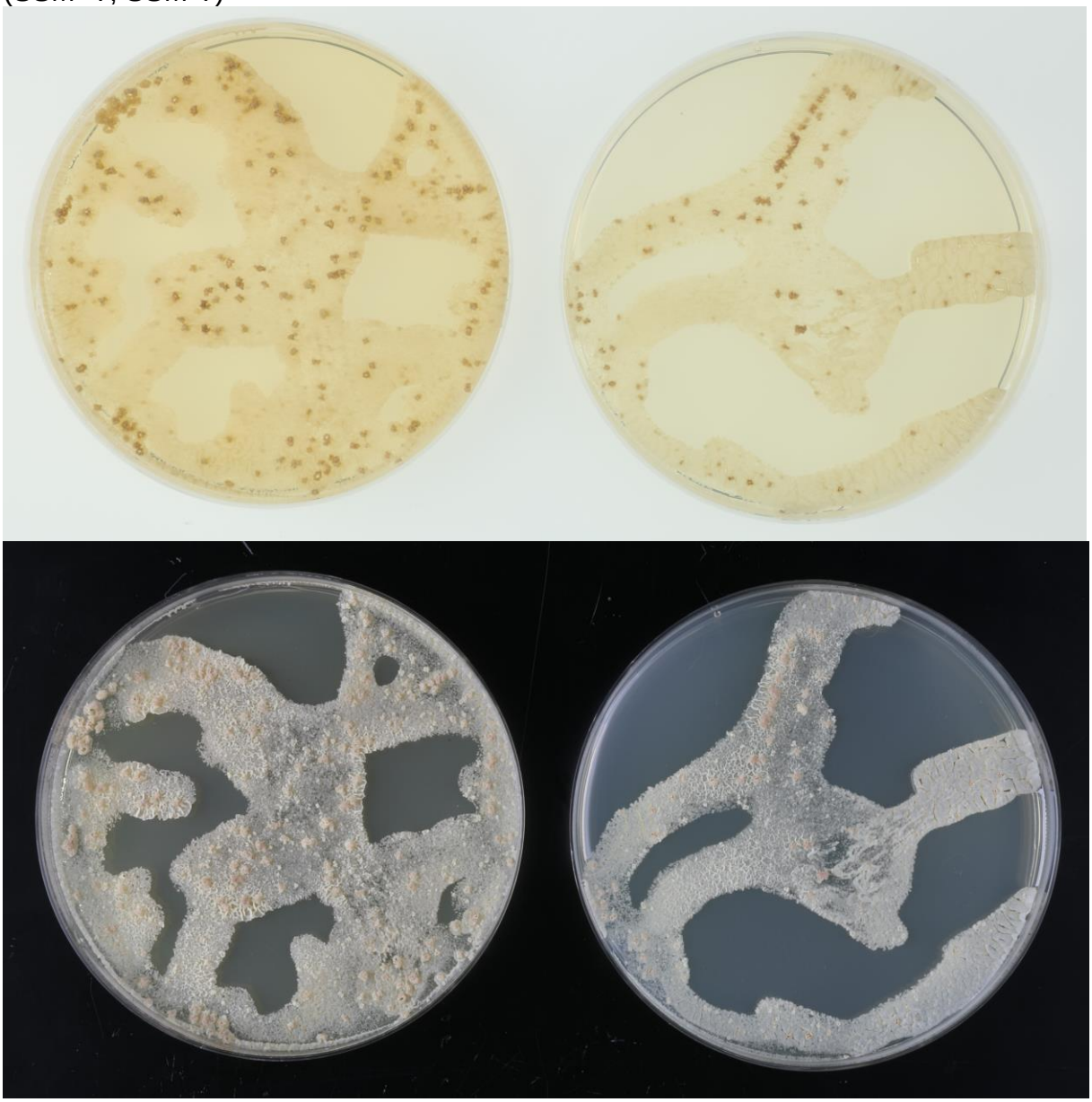
Plates (553, ISP2, ISP3, ISP4, ISP5, ISP7)



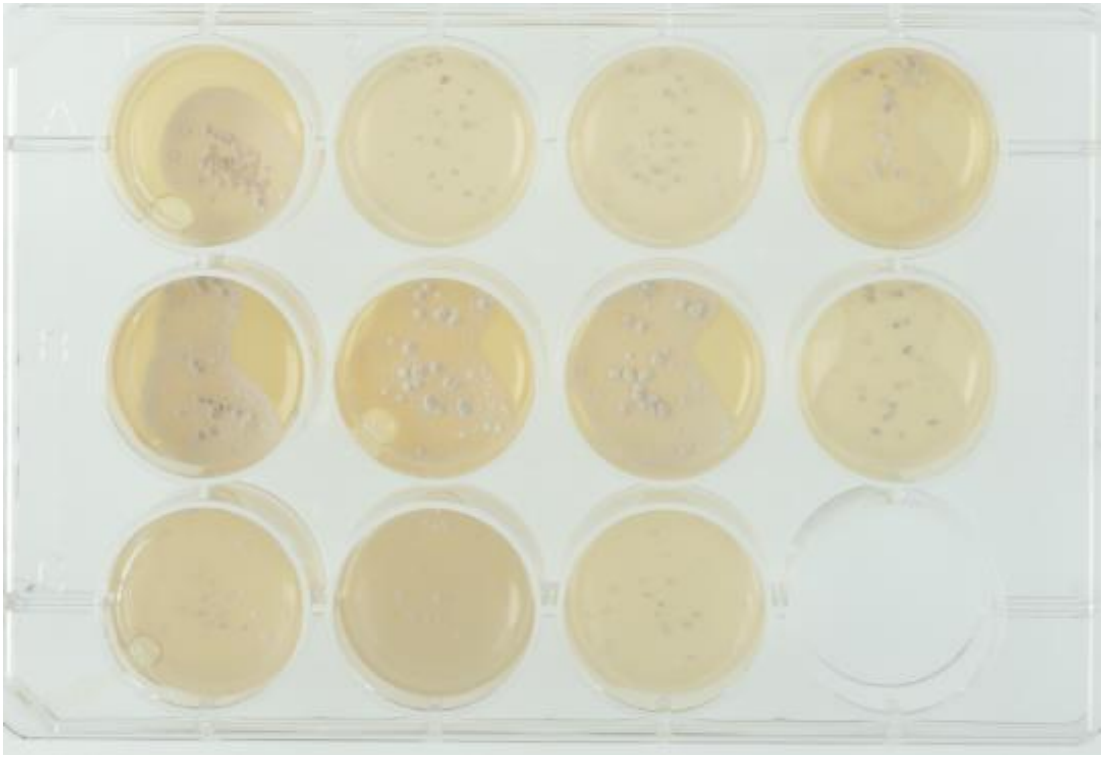
(ISP6, ISP7)



(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%)