

Strain		DSM 40868
Genus		<i>Streptomyces</i>
Species		<i>lavenduligriseus</i>
Status		valid
Risk group		1
Type strain		no
Other collection no. or WDCM no.:		
Genbank accession numbers		16S rRNA gene: AB184382
Reference		
Author		Witt D, Stackebrandt E.
Title		Validation list no. 38. Validation of publication of new names and new combinations previously effectively published outside the IJSB
Journal		<i>Int J Syst Bacteriol</i>
Volume		41
Page		456-457
Year		1991
Morphology		
Agar	ISP 2 - growth/G	good
Agar	ISP 2 - colony color/R	nut brown (8011), ocher brown 8001
Agar	ISP 2 - aerial mycelium/A	good, stone grey (7030), signal white (9003)
Agar	ISP 2 - soluble pigment/S	ocher brown (8001)
Agar	ISP 3 - G	good
Agar	ISP 3 - R	chocolate brown (8017)
Agar	ISP 3 - A	good, olive grey (7002)
Agar	ISP 3 - S	ocher brown (8001)
Agar	ISP 4 - G	good
Agar	ISP 4 - R	brown beige (1001), clay brown (8003)
Agar	ISP 4 - A	sparse, stone grey (7002), silk grey (7044), traffic white (9016)
Agar	ISP 4 - S	none
Agar	ISP 5 - G	good
Agar	ISP 5 - R	signal brown (8002), chocolate brown (8017)
Agar	ISP 5 - A	good, stone grey (7030), cream (9001)
Agar	ISP 5 - S	clay brown (8003)
Agar	ISP 6 - G	sparse
Agar	ISP 6 - R	ivory (1014), sand yellow (1002)

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University of Braunschweig

Agar	ISP 6 - A	none
Agar	ISP 6 - S	none
Agar	ISP 7 - G	good
Agar	ISP 7 - R	signal brown (8002), chocolate brown (8017)
Agar	ISP 7 - A	good, stone grey (7030), cream (9001)
Agar	ISP 7 - S	clay brown (8003)
Agar	suter with tyrosine - G	good
Agar	suter with tyrosine - R	black brown (8022)
Agar	suter with tyrosine - A	good, silk grey (7044), umbra grey (7022)
Agar	suter with tyrosine - S	chocolate brown (8017)
Agar	suter without tyrosine - G	good
Agar	suter without tyrosine - R	chocolate brown (8017)
Agar	suter without tyrosine - A	good, light grey (7035), silk grey (7044)
Agar	suter without tyrosine - S	red brown (8012)
	Sporechains/Sporangia	
Physiology		
Melanin		- + + + yes
pH	range	
pH	optimum	
temperature	range	2,5%
temperature	optimum	
sodium chloride tolerance		
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)	1
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	4
Api zym	Valine arylamidase	4
Api zym	Cystine arylamidase	2
Api zym	Trypsin	1

Api zym	Chymotrypsin	3
Api zym	Phosphatase acid	5
Api zym	Naphtol-AS-BI-phosphohydrolase	4
Api zym	alpha galactosidase	3
Api zym	beta galactosidase	0
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	1
Api zym	beta glucosidase	5
Api zym	N-acetyl-beta-glucoseamidase	5
Api zym	alpha mannosidase	4
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



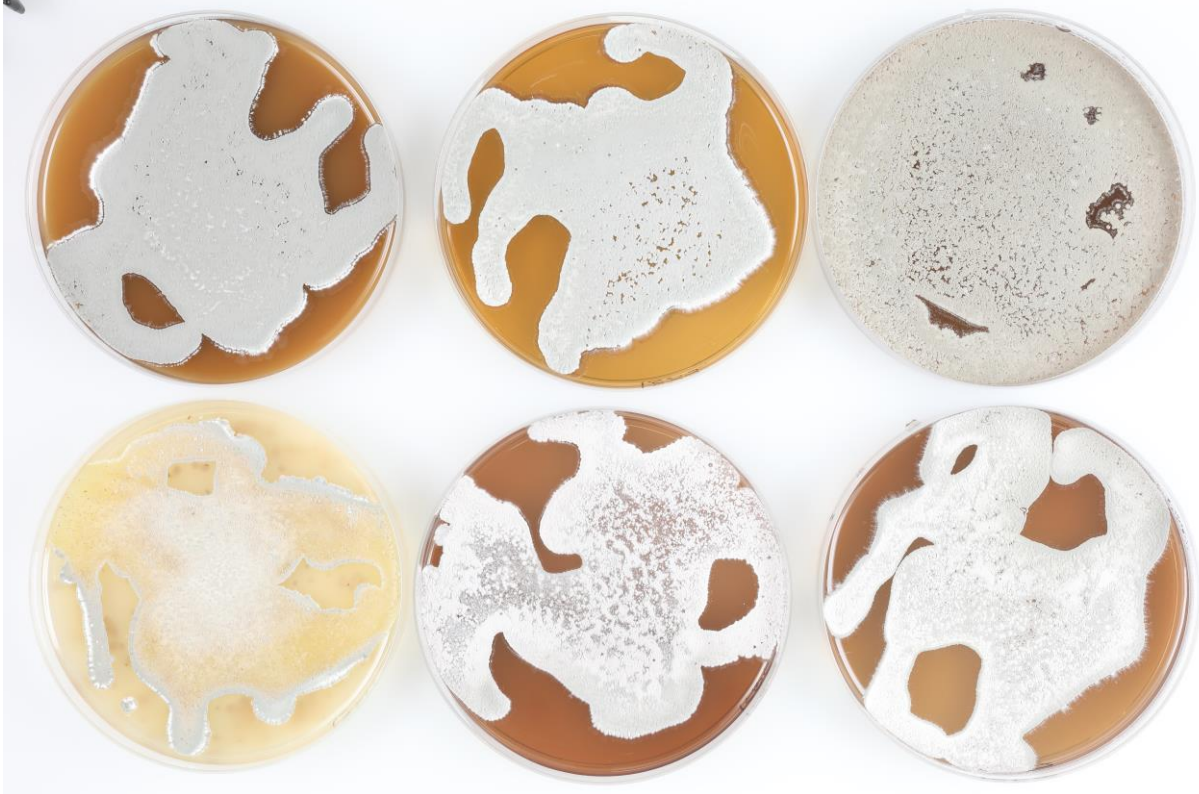
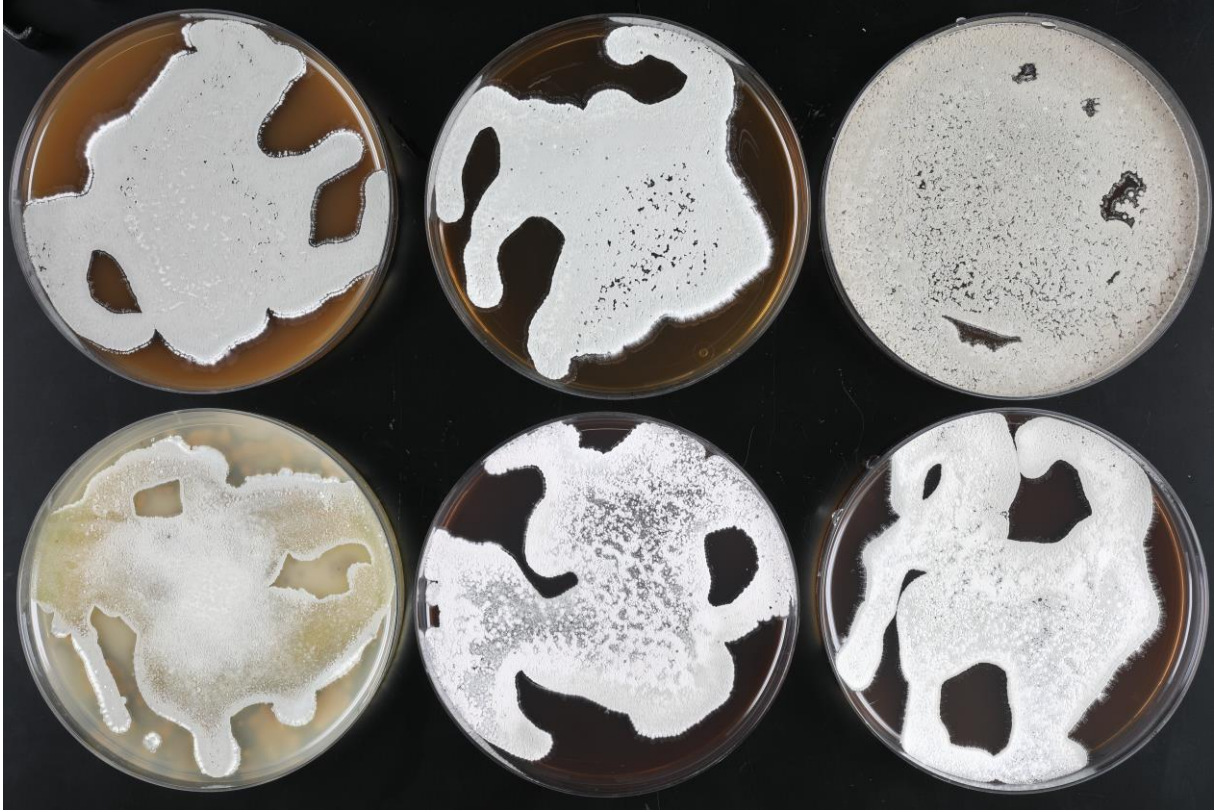
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM40868

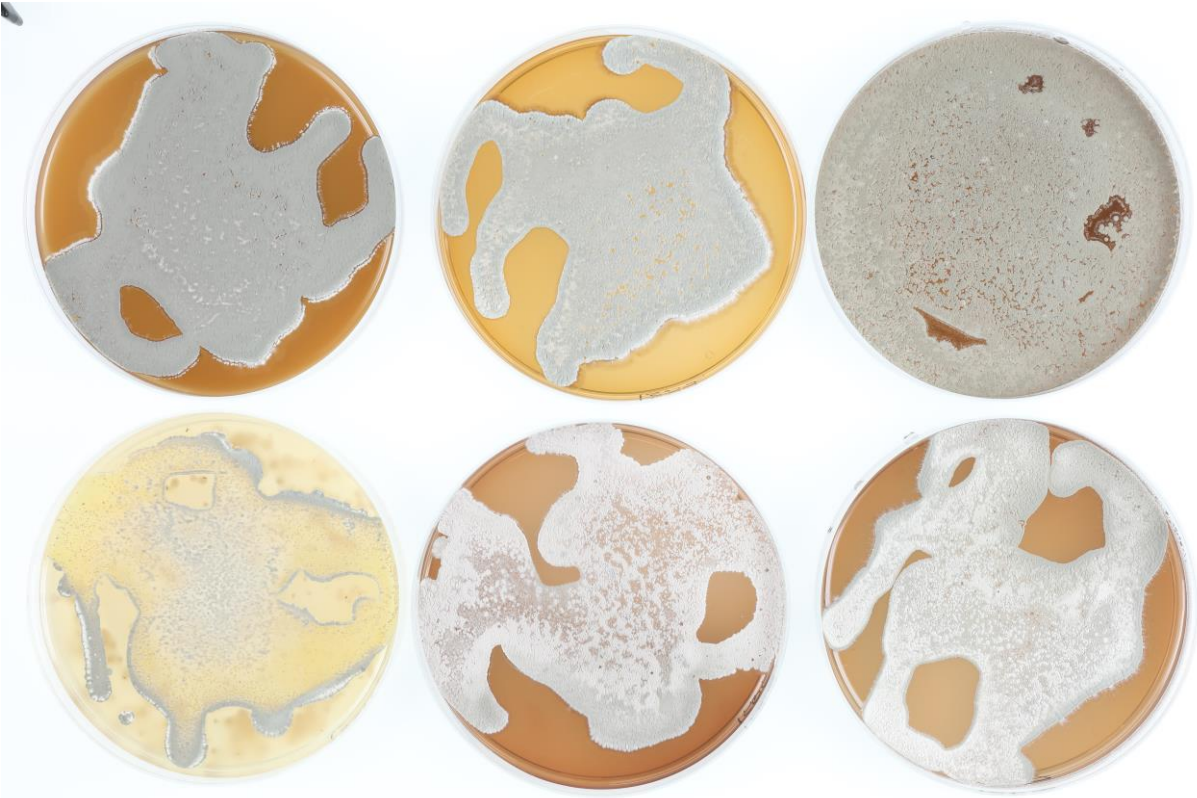
Apizym



Abbildung 2: Apizym-Teststreifen mit Keim DSM40868

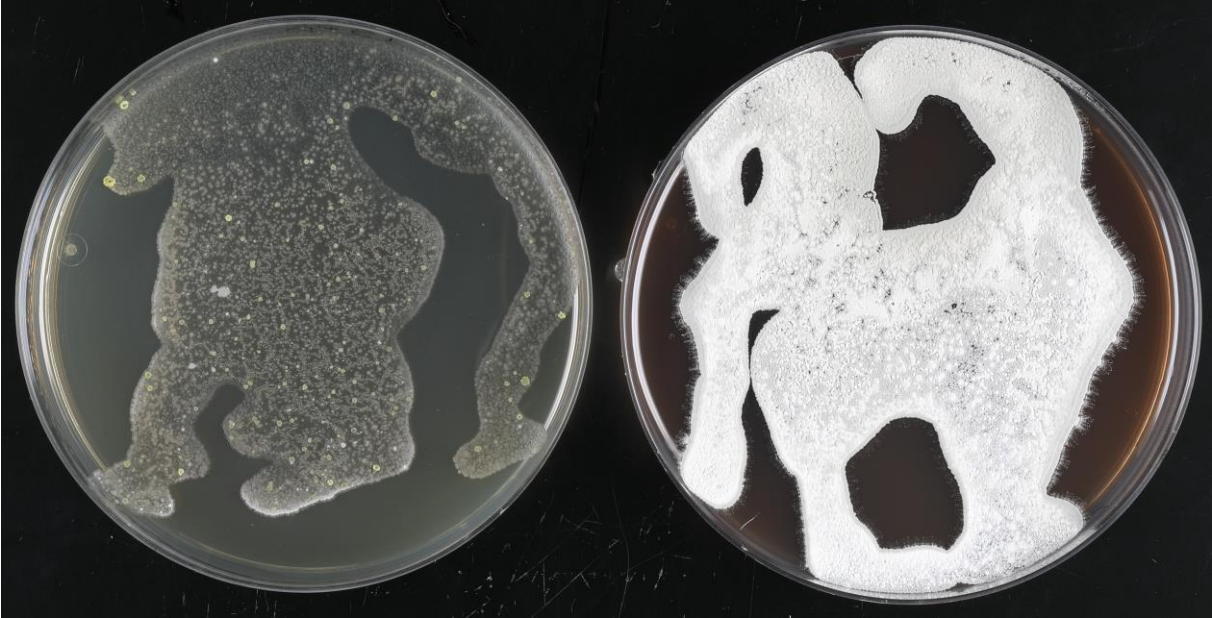
Plates (65, ISP2, ISP3, ISP4, ISP5, ISP7)





with backlight

(ISP6, ISP7)





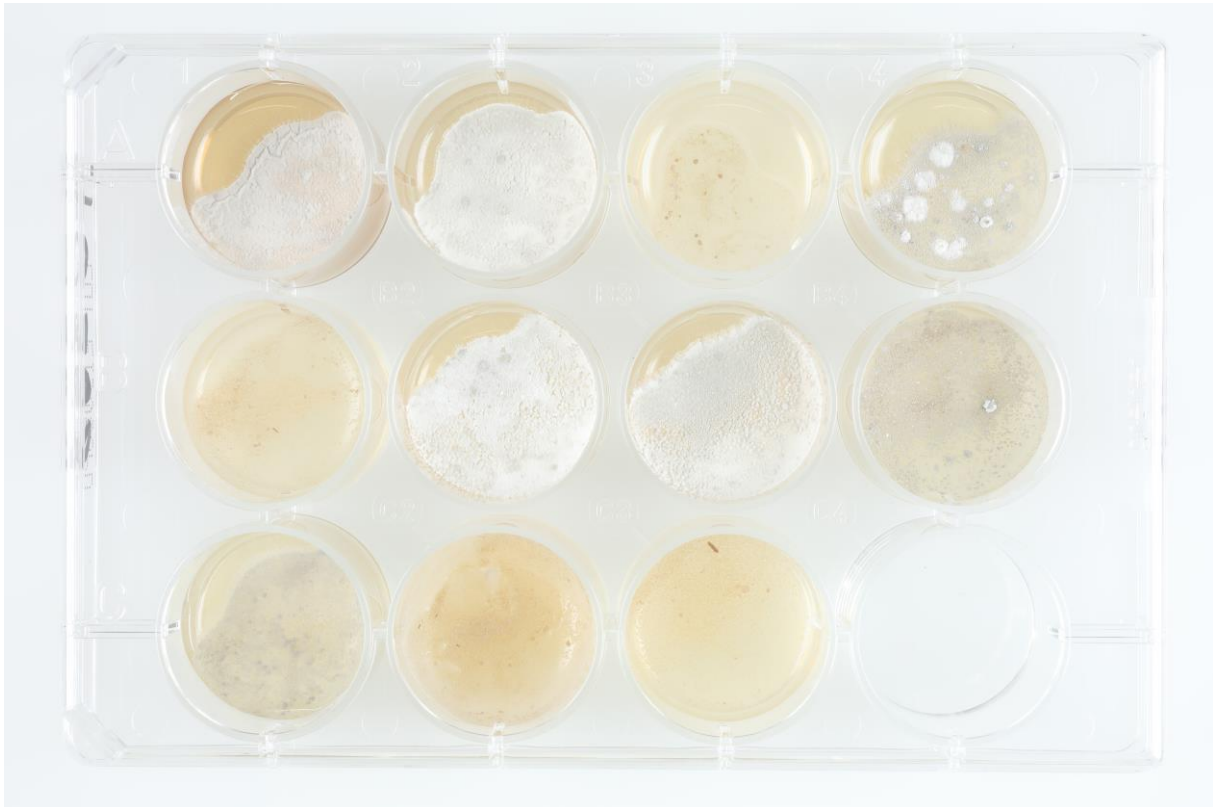
with backlight

(SSM+T, SSM-T)



with backlight

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%)

