

Compendium of Actinobacteria from Dr. Joachim M. Wink  
University of Braunschweig

<b>Strain</b>		DSM 45533
Genus		<i>Nonomuraea</i>
Species		<i>solii</i>
<b>Status</b>		
Risk group		L1
Type strain		DSM 45533; JCM 17347; YIM 120770
Genbank accession number		16S rRNA gene: <a href="#">JF742631</a>
<b>Reference</b>		
Author		Cao, Y. R., Jin, R. X., Jiang, Y., He, W. X., Jiang, C. L.
Title		<i>Nonomuraea solii</i> sp. nov., an actinomycete isolated from soil
Journal		Int J Syst Evol Microbiol
Volume		62 (Pt7)
Page		1587-1591
Year		2012
<b>Morphology</b>		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony colour/R	8016 Mahogany brown
Agar	ISP 2 - aerial mycelium/A	None
Agar	ISP 2 - soluble pigment/S	8001 Ochre brown
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	3012 Beige red, 8007 Fawn brown
Agar	ISP 3 - A	Sparse, 9016 Traffic white, 9002 Grey white
Agar	ISP 3 - S	8008 Olive brown
Agar	ISP 4 - G	Good
Agar	ISP 4 - R	2010 Salmon orange
Agar	ISP 4 - A	None
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Good
Agar	ISP 5 - R	3012 Beige red
Agar	ISP 5 - A	Good, 9016 Traffic white, 3015 Light pink
Agar	ISP 5 - S	None
Agar	ISP 6 - G	Good
Agar	ISP 6 - R	1002 Sand yellow
Agar	ISP 6 - A	None
Agar	ISP 6 - S	None
Agar	ISP 7 - G	Good
Agar	ISP 7 - R	3012 Beige red, 2012 Salmon orange

Compendium of Actinobacteria from Dr. Joachim M. Wink  
University of Braunschweig

Agar	ISP 7 - A	Good, 9016 Traffic white, 3015 Light pink
Agar	ISP 7 - S	None
Agar	suter with tyrosine - G	Good
Agar	suter with tyrosine - R	3012 Beige red, 2012 Salmon orange
Agar	suter with tyrosine - A	Good, 9016 Traffic white, 3015 Light pink
Agar	suter with tyrosine - S	None
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	3012 Beige red, 2012 Salmon orange
Agar	suter without tyrosine - A	Good, 9016 Traffic white, 3015 Light pink
Agar	suter without tyrosine - S	None
	Sporechains/Sporangia	
<b>Physiology</b>		
Melanin		0
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	5
Api zym	Esterase (C4)	3
Api zym	Esterase Lipase (C8)	2
Api zym	Lipase (C14)	1
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	3
Api zym	Cystine arylamidase	0
Api zym	Trypsin	0
Api zym	Chymotrypsin	1
Api zym	Phosphatase acid	4
Api zym	Naphtol-AS-BI-phosphohydrolase	5
Api zym	alpha galactosidase	4

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	3
Api zym	alpha mannosidase	0
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



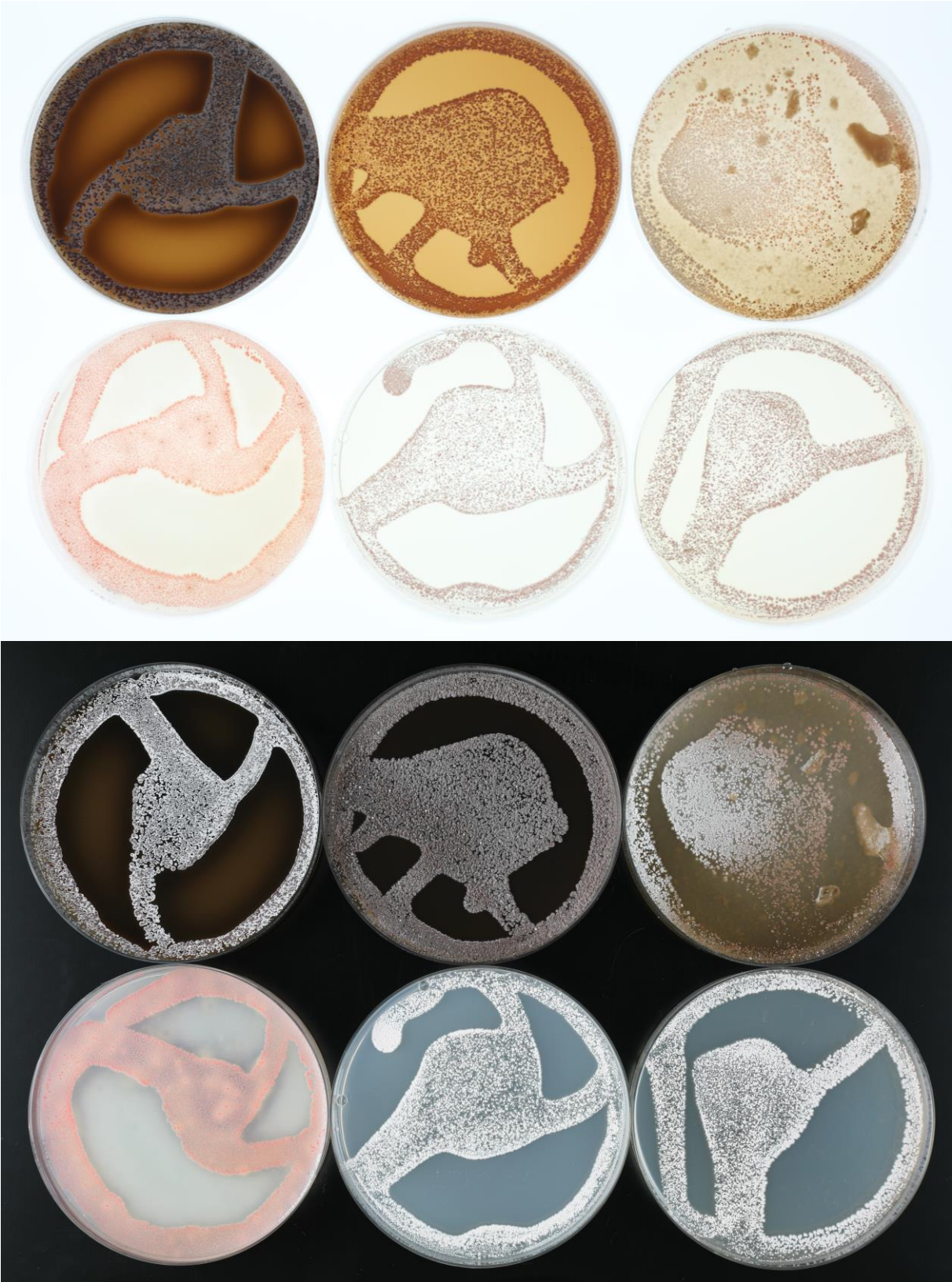
Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

### 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%)**

