Strain		DSM 45175
Genus		***Micromonospora***
Species		***pisi***
Status		
Risk group		L1
Type strain		GUI 15, LMG 24546, DSM 45175
Reference		
Author		Garcia, C., Martínez-Molina, E., Trujillo, M. E.
Title		*Micromonospora pisi* sp. nov., isolated from root nodules of *Pisum sativum*.
Journal		*Int J Syst Evol Microbiol*
Volume		**60** (Pt 2)
Page		331-337
Year		2010
Author		Euzeby, J. (2010)
Title		Notification that new names and new combinations have appeared in volume 60, part 2, of the IJSEM.
Journal		*Int J Syst Evol Microbiol*
Volume		**60** (Pt 5)
Page		1011-1012
Year		2010
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony color/R	Broom yellow (1032)
Agar	ISP 2 - aerial mycelium/A	None
Agar	ISP 2 - soluble pigment/S	Broom yellow (1032)
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	None
Agar	ISP 3 - A	None
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Good – decreased
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	Light ivory (1015)
Agar	ISP 5 - A	None
Agar	ISP 5 - S	None
Agar	ISP 6 - G	/
Agar	ISP 6 - R	/
Agar	ISP 6 - A	/
Agar	ISP 6 - S	/
Agar	ISP 7 - G	Good
Agar	ISP 7 - R	Light ivory (1015)

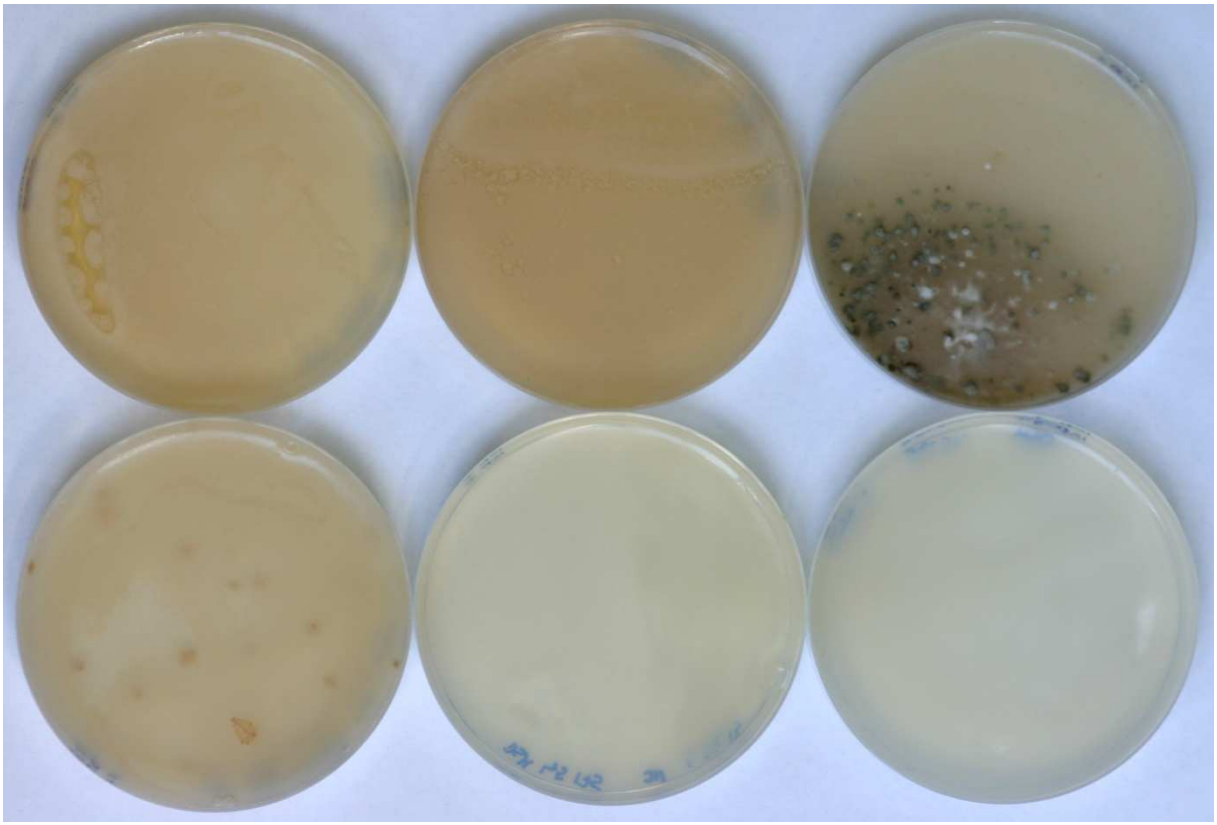
Agar	ISP 7 - A	None
Agar	ISP 7 - S	None
Agar	suter with tyrosine - G	Good
Agar	suter with tyrosine - R	Sand yellow (1002) – brown beige
Agar	suter with tyrosine - A	None
Agar	suter with tyrosine - S	Sand yellow (1002)
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	Ivory (1014)
Agar	suter without tyrosine - A	None
Agar	suter without tyrosine - S	None
	Sporechains/Sporangia	
Physiology		
Melanin		+
pH	range	
pH	optimum	
temperature	range	
temperature	optimume	
sodim chloride tolerance		7,5%
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)	0
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	2
Api zym	Valine arylamidase	1
Api zym	Cystine arylamidase	0
Api zym	Trypsin	1
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	4
Api zym	Naphtol-AS-BI-phosphohydrolase	0
Api zym	alpha galactosidase	1
Api zym	beta galactosidase	3
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	3

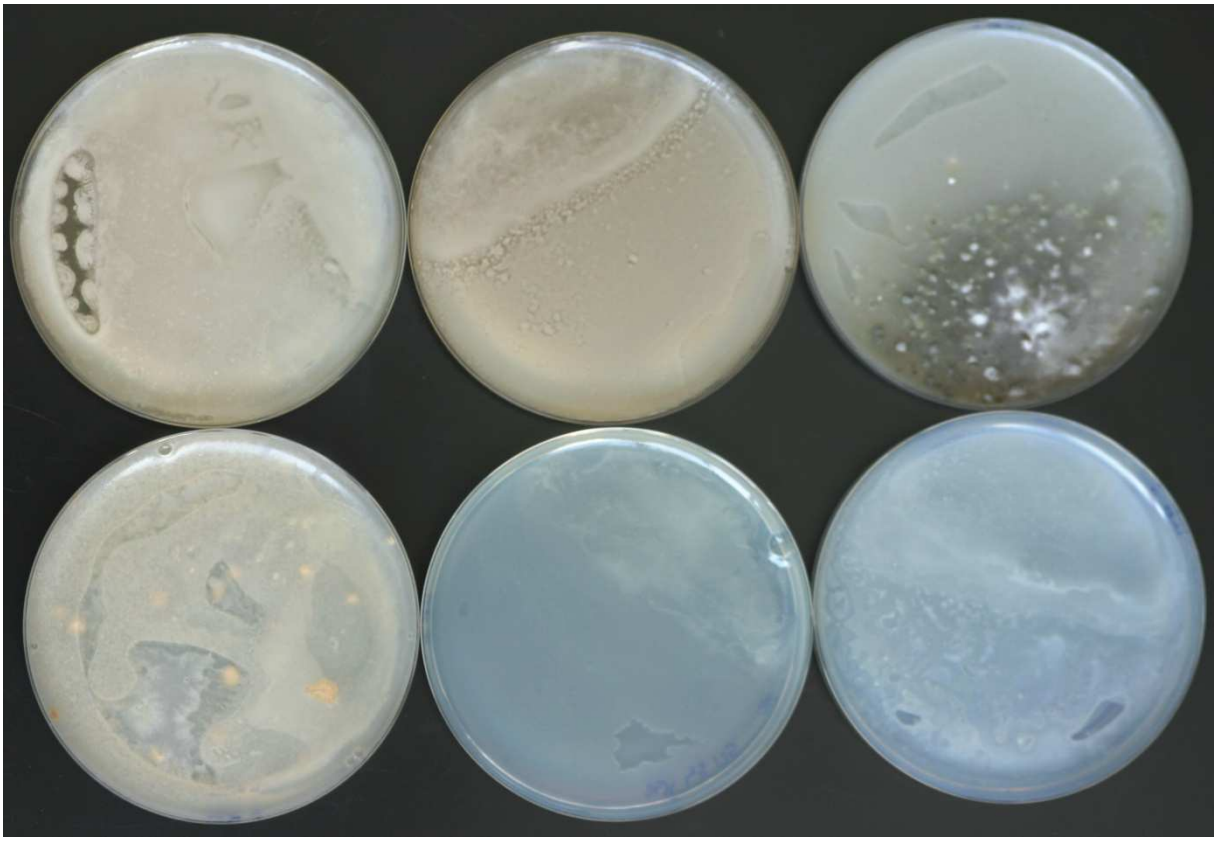
Api zym	beta GLUCOSIDASE	2
Api zym	N-acetyl-beta-glucoseamidase	0
Api zym	alpha mannosidase	0
Api zym	alpha fucosidase	0
Api coryne	nitrate reduction	+
Api coryne	Pyraziamidase	-
Api coryne	Pyrrolidonyl arylamidase	+
Api coryne	Alkaline phosphatase	+
Api coryne	beta glucuronidase	-
Api coryne	beta galactosidase	+
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

Apizym

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





(SSM+T, SSM-T)

Carbon utilization test (from top left to bottom right: glucose, arabinose, sucrose, xylose, inositol, mannose, fructose, rhamnose, raffinose, cellulose, water)