Strain		DSM 45786
Genus		***Nocardiopsis***
Species		***flavescens***
Status		
Risk group		L1
Type strain		SA6, CGMCC 4.5723, JCM 17424
Reference		
Author		Fang, C., Zhang, J., Pang, H., Li, Y., Xin, Y., Zhang, Y.
Title		Nocardiopsis flavescens sp. nov., an actinomycete isolated from marine sediment
Journal		Int J Syst Evol Microbiol
Volume		61 (Pt11)
Page		2640-2645
Year		2010
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony color/R	8024 beige brown, 8003 clay brown
Agar	ISP 2 - aerial mycelium/A	Sparse, 9003 signal white
Agar	ISP 2 - soluble pigment/S	8001 ochre brown
Agar	ISP 3 - G	Good
Agar	ISP 3 - R	8003 clay brown, 8001 ochre brown, 1001 beige
Agar	ISP 3 - A	Sparse, 9003 signal white
Agar	ISP 3 - S	None
Agar	ISP 4 - G	Good
Agar	ISP 4 - R	1013 oyster white, 1024 ochre yellow
Agar	ISP 4 - A	Sparse, 9016 traffic white
Agar	ISP 4 - S	None
Agar	ISP 5 - G	Sparse
Agar	ISP 5 - R	1002 sand yellow
Agar	ISP 5 - A	None
Agar	ISP 5 - S	1002 sand yellow
Agar	ISP 6 - G	Good
Agar	ISP 6 - R	8008 olive brown, 8014 sepia brown
Agar	ISP 6 - A	Sparse, 7047 telegrey 4
Agar	ISP 6 - S	none
Agar	ISP 7 - G	Sparse
Agar	ISP 7 - R	1015 light ivory
Agar	ISP 7 - A	None
Agar	ISP 7 - S	None

Agar	suter with tyrosine - G	Good
Agar	suter with tyrosine - R	8012 red brown, 8011 nut brown, 8001 ochre brown
Agar	suter with tyrosine - A	Sparse, 9003 signal white
Agar	suter with tyrosine - S	8001 ochre brown
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	8007 fawn brown, 1011 brown beige
Agar	suter without tyrosine - A	Sparse, 9003 signal white
Agar	suter without tyrosine - S	1002 sand yellow
	Sporechains/Sporangia	
Physiology		
Melanin		-
pH	range	
pH	optimum	
temperature	range	
temperature	optimum	
sodium chloride tolerance		10 %
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)	1
Api zym	Esterase Lipase (C8)	3
Api zym	Lipase (C14)	4
Api zym	Leucin arylamidase	5
Api zym	Valine arylamidase	1
Api zym	Cystine arylamidase	0
Api zym	Trypsin	0
Api zym	Chymotrypsin	0
Api zym	Phosphatase acid	3
Api zym	Naphtol-AS-BI-phosphohydrolase	4
Api zym	alpha galactosidase	0
Api zym	beta galactosidase	3
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	5
Api zym	beta glucosidase	4

Api zym	N-acetyl-beta-glucoseamidase	1
Api zym	alpha mannosidase	5
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	-
Metabolites		
Antimicrobial	Staphylococcus aureus	
Antimicrobial	Escherichia coli	
Antimicrobial	Micrococcus luteus	
Antimicrobial	Pseudomonas aeruginosa	
Antimicrobial	Streptomyces murinus	
Antimicrobial	Bacillus subtilis	
Antimicrobial	Candida albicans	
Antimicrobial	Saccharomyces cerevisiae	
Antimicrobial	Aspergillus niger	

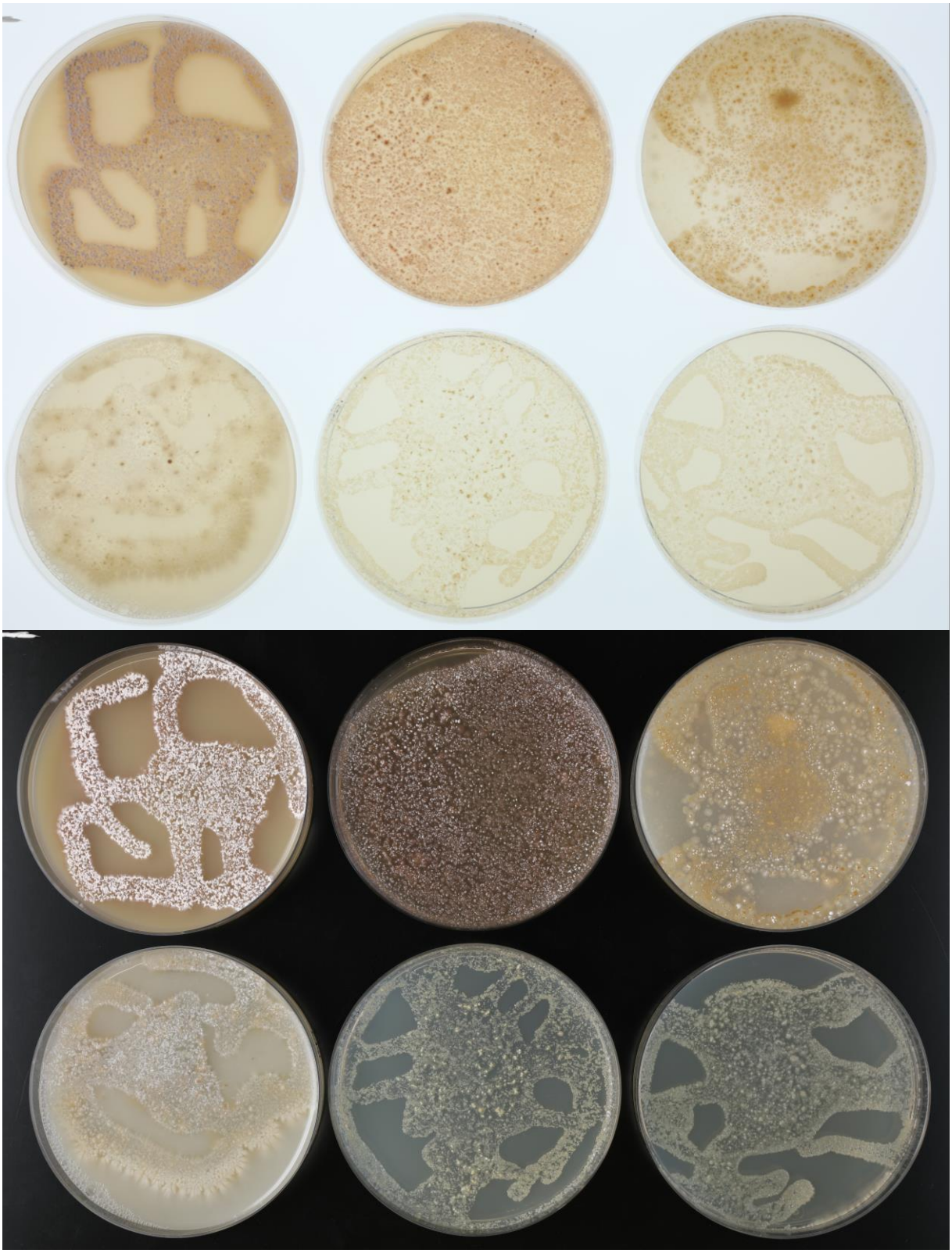
Apicoryne

Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

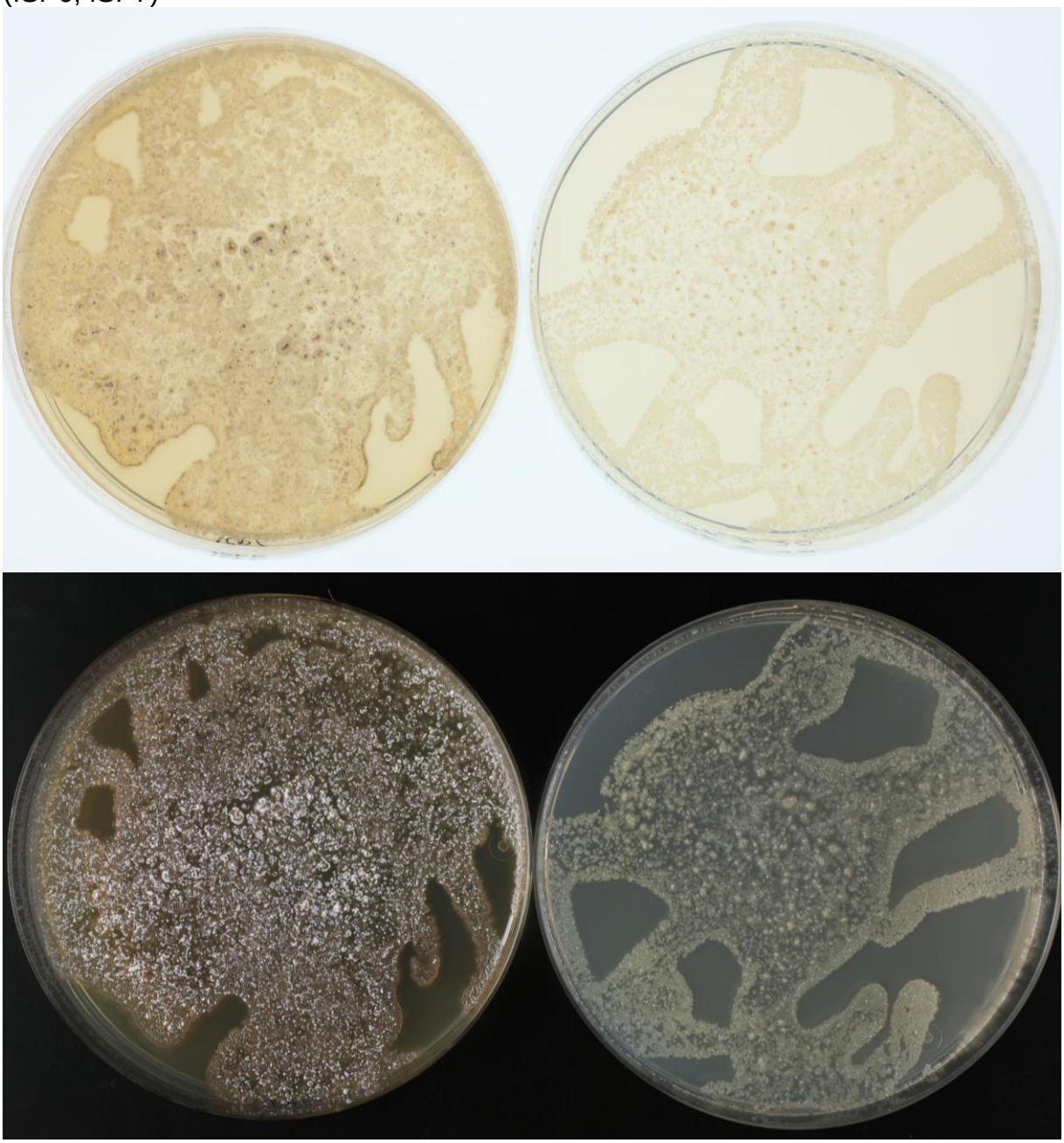
Apizym

Abbildung 2: Apizym-Teststreifen mit Keim DSM.

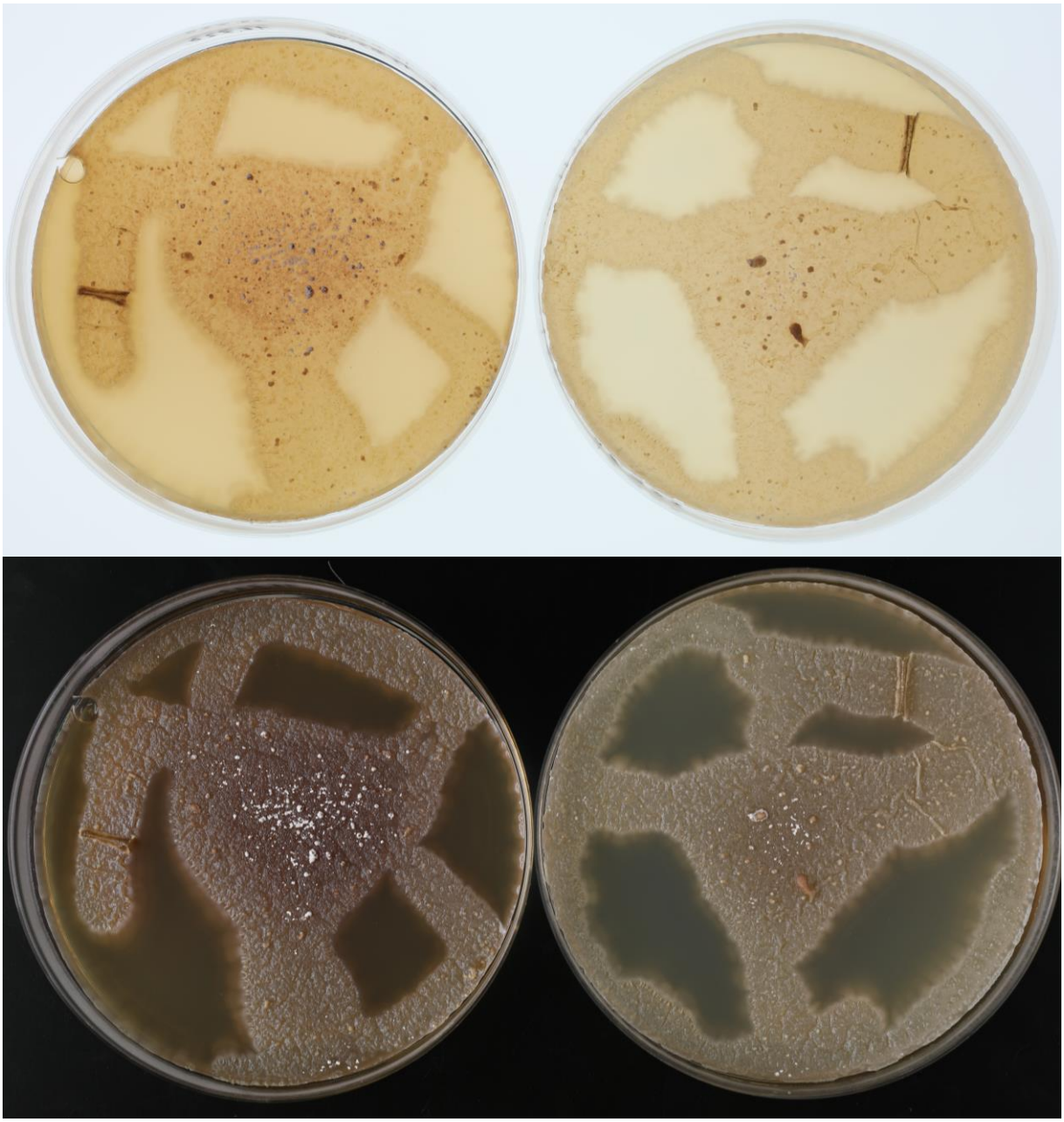
Plates (65, ISP2, ISP3, ISP4, ISP5, ISP7)



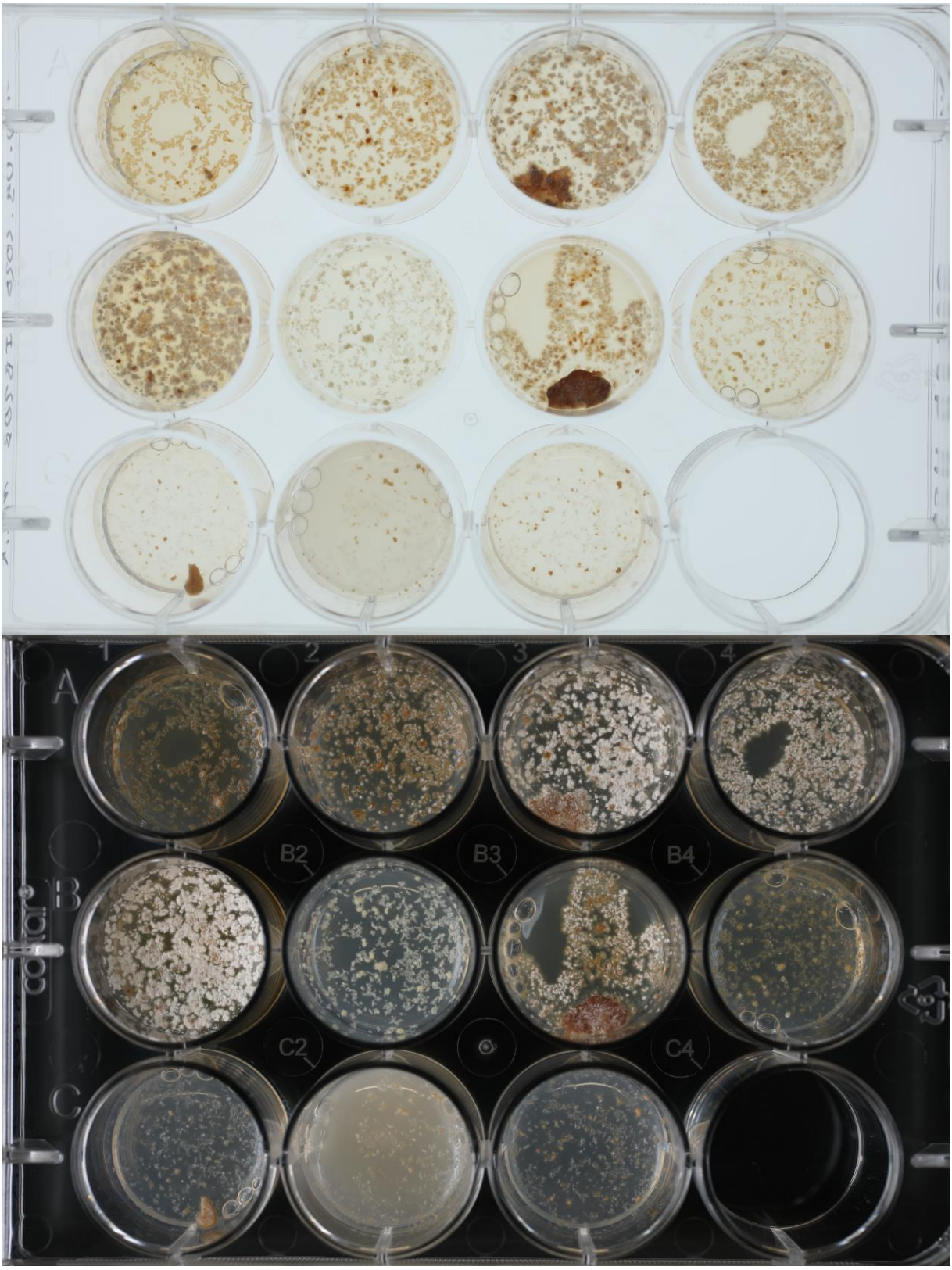
(ISP6, ISP7)



(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%)