Strain		DSM 106193
Genus		***Micromonospora***
Species		***craniellae***
Status		
Risk group		1 (provisional classification by DSMZ)
Type strain		CCTCC AA 2018012; DSM 106193; LHW63014
Genbank accession number		16S rRNA gene: MG200153
Reference		
Author		Li L, Zhu HR, Xu QH, Lin HW, Lu YH.
Title		*Micromonospora craniellae* sp. nov., isolated from a marine sponge, and reclassification of *Jishengella endophytica* as *Micromonospora endophytica* comb. nov.
Journal		Int J Syst Evol Microbiol
Volume		69
Page		715-720
Year		2019
Morphology		
Agar	ISP 2 - growth/G	Good
Agar	ISP 2 - colony colour/R	2010 signal orange
Agar	ISP 2 - aerial mycelium/A	None
Agar	ISP 2 - soluble pigment/S	None
Agar	ISP 3 - G	None
Agar	ISP 3 - R	-
Agar	ISP 3 - A	-
Agar	ISP 3 - S	-
Agar	ISP 4 - G	Good
Agar	ISP 4 - R	1007 daffodil yellow, 1034 pastel yellow
Agar	ISP 4 - A	None
Agar	ISP 4 - S	None
Agar	ISP 5 - G	None
Agar	ISP 5 - R	-
Agar	ISP 5 - A	-
Agar	ISP 5 - S	-
Agar	ISP 6 - G	None
Agar	ISP 6 - R	-
Agar	ISP 6 - A	-
Agar	ISP 6 - S	-

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Agar	ISP 7 - G	Sparse
Agar	ISP 7 - R	1006 maize yellow
Agar	ISP 7 - A	None
Agar	ISP 7 - S	None
Agar	suter with tyrosine - G	Good
Agar	suter with tyrosine - R	1007 daffodil yellow, 1034 pastel yellow
Agar	suter with tyrosine - A	None
Agar	suter with tyrosine - S	None
Agar	suter without tyrosine - G	Good
Agar	suter without tyrosine - R	1007 daffodil yellow, 1034 pastel yellow
Agar	suter without tyrosine - A	None
Agar	suter without tyrosine - S	None
	Sporechains/Sporangia	
Physiology		
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 alcaline	1
Api zym	Esterase (C4)	3
Api zym	Esterase Lipase (C8)	2
Api zym	Lipase (C14)	0
Api zym	Leucin arylamidase	3
Api zym	Valine arylamidase	0
Api zym	Cystine arylamidase	2
Api zym	Trypsin	4
Api zym	Chymotrypsin	5
Api zym	Phosphatase acid	0
Api zym	Naphtol-AS-BI-phosphohydrolase	1
Api zym	alpha galactosidase	0

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Api zym	beta galactosidase	0
Api zym	beta glucuronidase	0
Api zym	alpha glucosidase	5
Api zym	beta glucosidase	0
Api zym	N-acetyl-beta-glucoseamidase	5
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

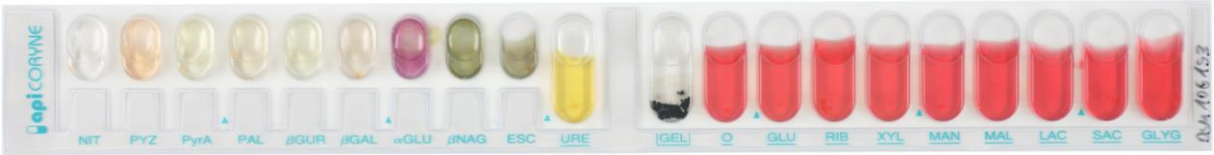

Abbildung 1: Apicoryne-Teststreifen mit Keim DSM.

APIzym

Abbildung 2: Apizym-Teststreifen mit Keim DSM.

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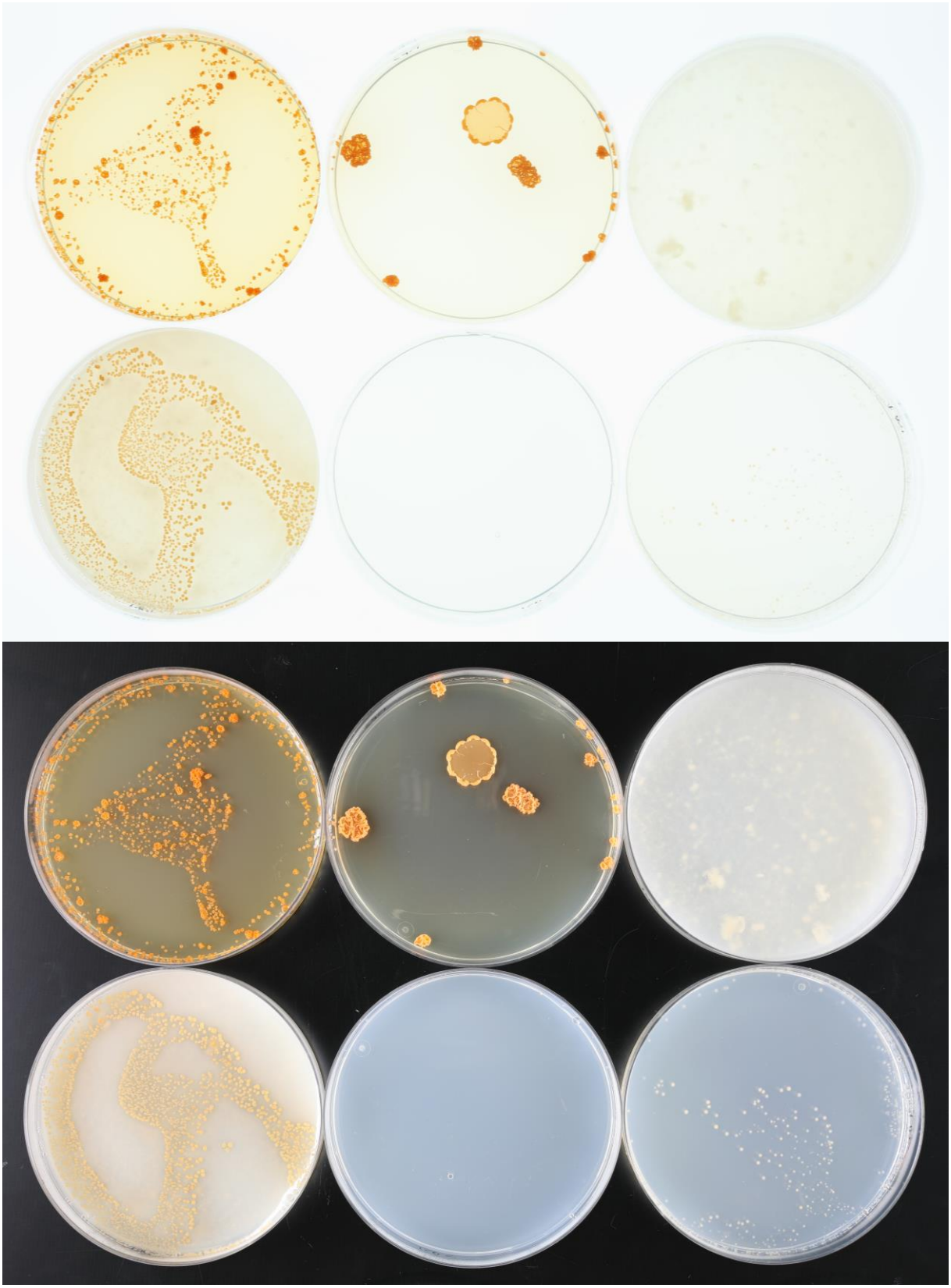
Plates (535, ISP2, ISP3, ISP4, ISP5, ISP7)



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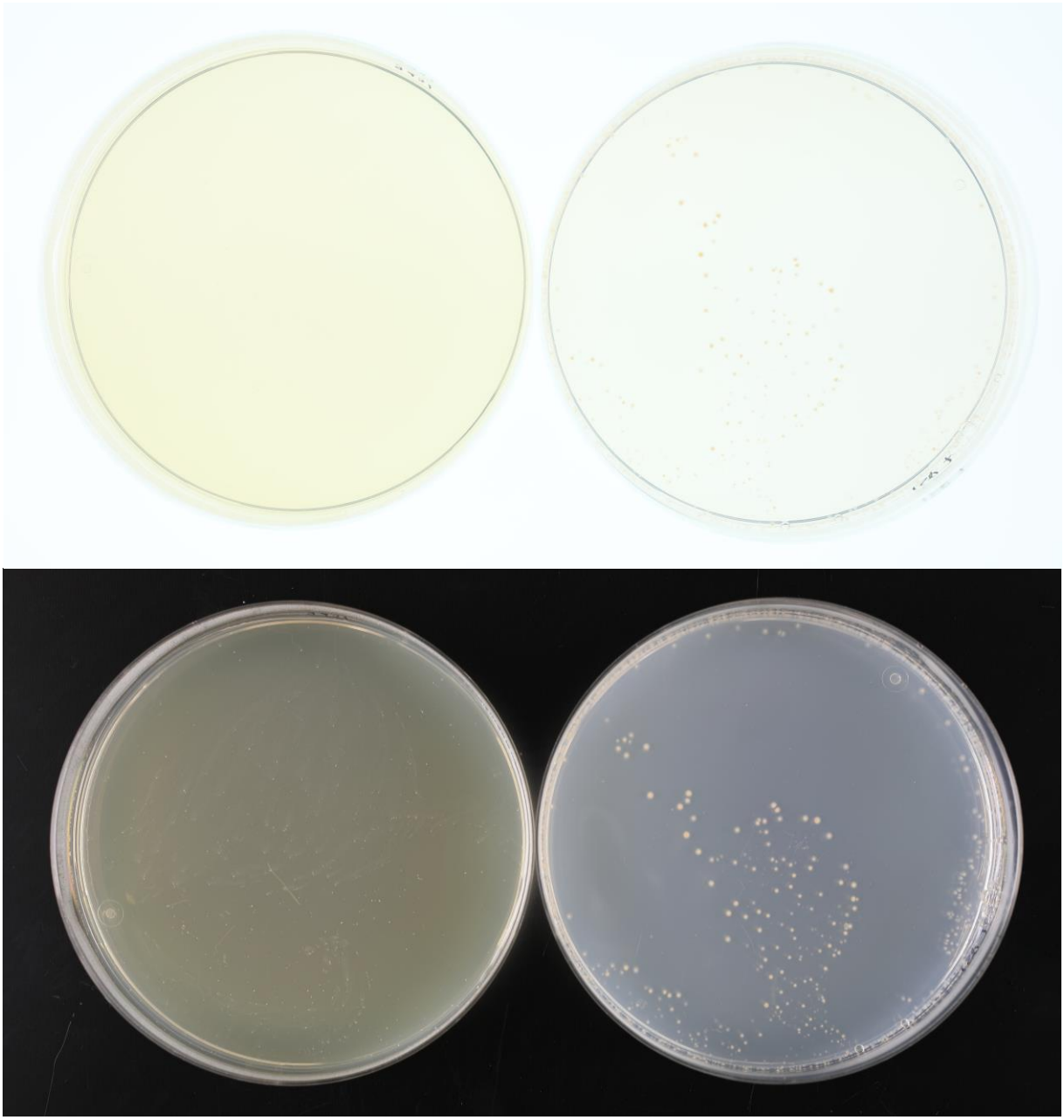
(ISP6, ISP7)



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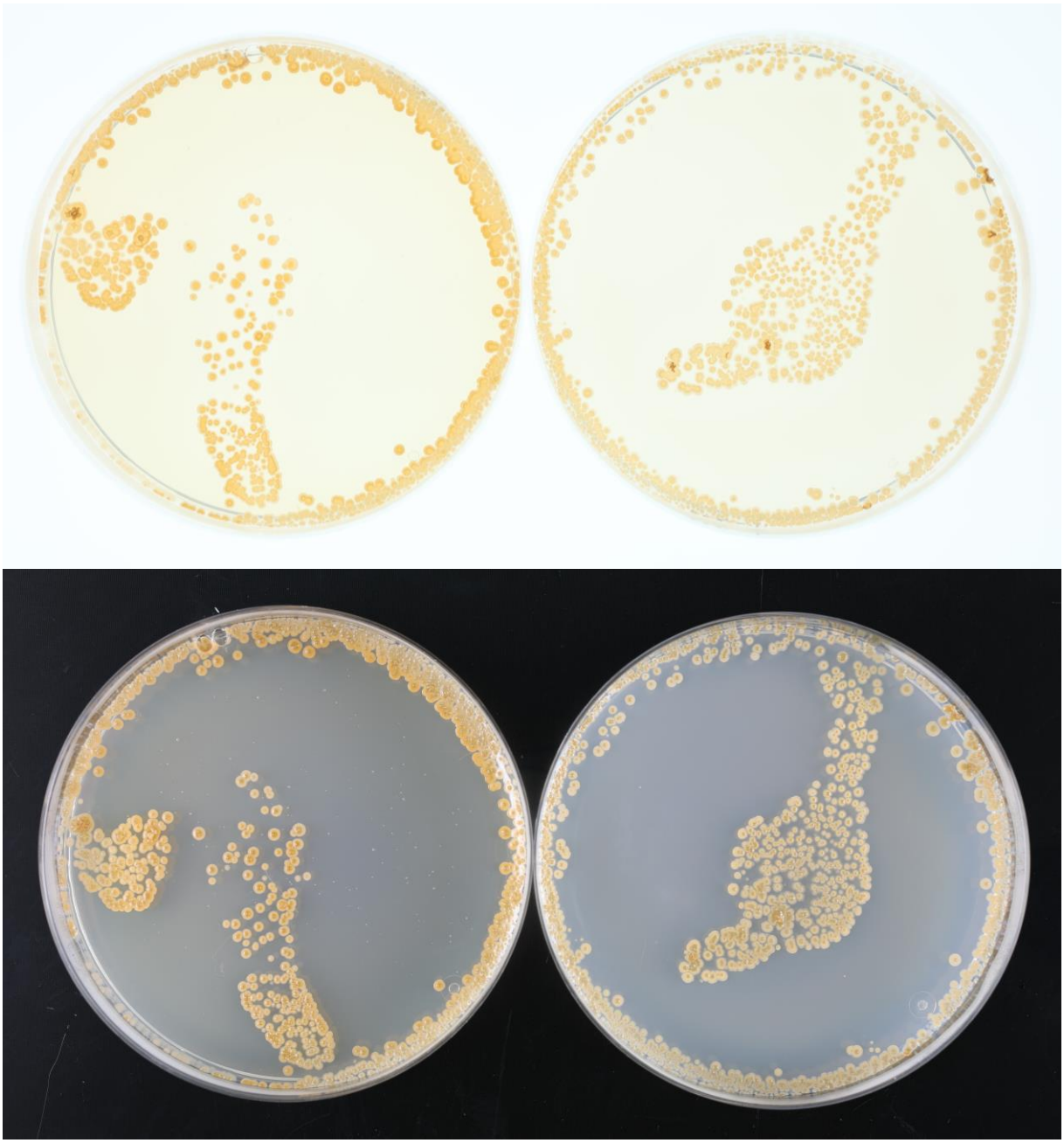
(SSM+T, SSM-T)



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

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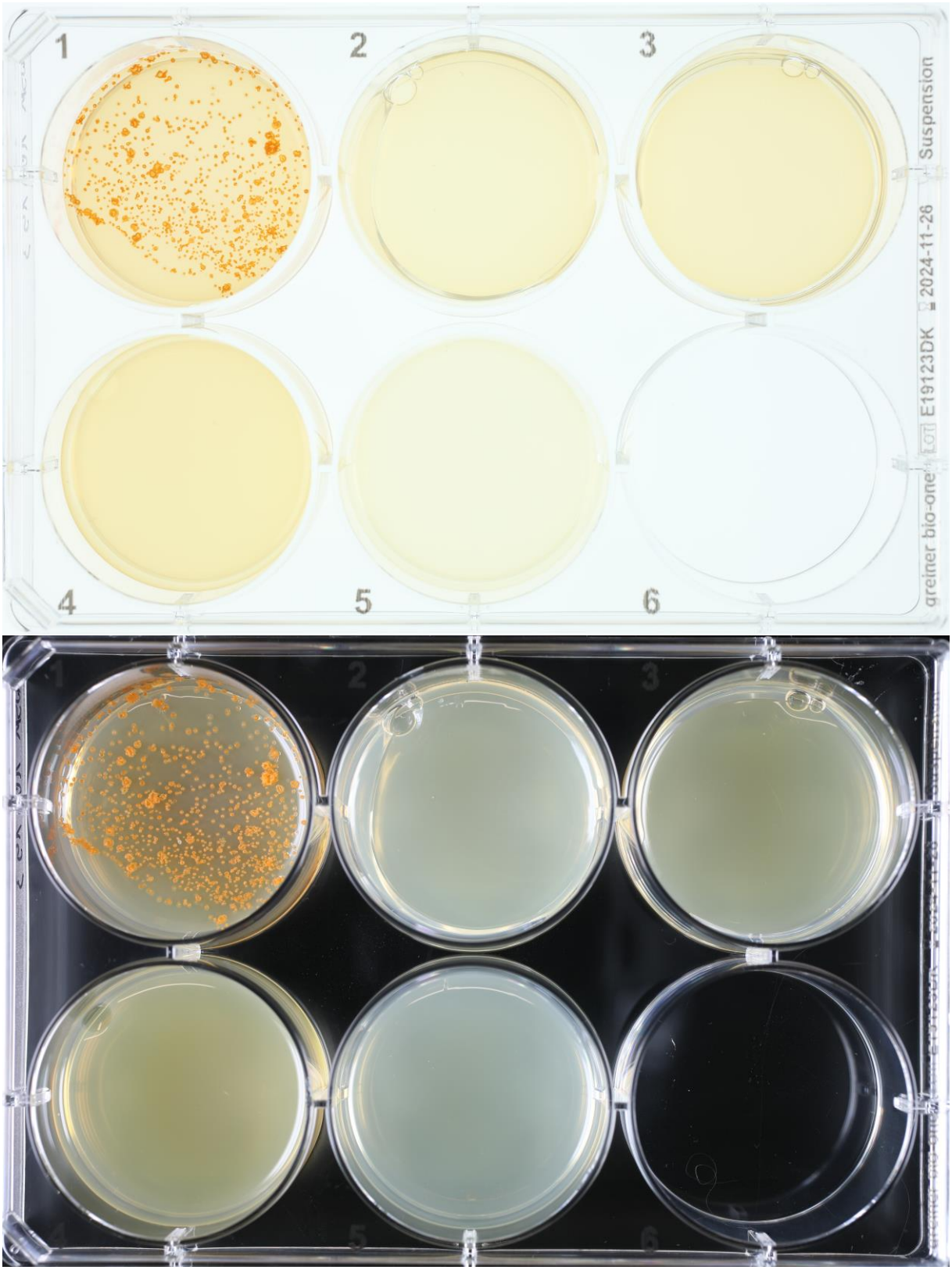
Sodium chloride tolerance test (from top left to bottom right: 0%, 2,5%, 5%, 7,5%, 10%)



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