| | | |
|---|---|---|
| Strain | | DSM 45601 |
| Genus | | ***Allonocardiopsis*** |
| Species | | ***opalescens*** |
| Status | | |
| Risk group | | L1 |
| Type strain | | CPCC 203428, KCTC 19844 |
| Genbank accession numbers | | 16S rRNA gene: JQ309825 |
| Reference | | |
| Author | | Du, H. J., Zhang, Y. Q., Liu, H. Y., Su, J., Wei, Y. Z., Ma, B. P., Guo, B. L., Yu, L. Y. |
| Title | | *Allonocardiopsis opalescens* gen. nov., sp. nov., a new member of the suborder *Streptosporangineae*, from the surface-sterilized fruit of a medicinal plant |
| Journal | | *Int J Syst Evol Microbiol* |
| Volume | | **63** (Pt3) |
| Page | | 900-4 |
| Year | | 2013 |
| Morphology | | |
| Agar | ISP 2 - growth/G | good |
| Agar | ISP 2 - colony color/R | ivory (1014) |
| Agar | ISP 2 - aerial mycelium/A | none |
| Agar | ISP 2 - soluble pigment/S | none |
| Agar | ISP 3 - G | sparse |
| Agar | ISP 3 - R | ivory (1014) |
| Agar | ISP 3 - A | none |
| Agar | ISP 3 - S | none |
| Agar | ISP 4 - G | good |
| Agar | ISP 4 - R | ivory (1014) and sand yellow (1002) |
| Agar | ISP 4 - A | none |
| Agar | ISP 4 - S | ivory(1014) |
| Agar | ISP 5 - G | sparse |
| Agar | ISP 5 - R | light ivory (1015) |
| Agar | ISP 5 - A | none |
| Agar | ISP 5 - S | none |
| Agar | ISP 6 - G | sparse |
| Agar | ISP 6 - R | ivory (1014) |
| Agar | ISP 6 - A | none |
| Agar | ISP 6 - S | golden yellow (1004) |
| Agar | ISP 7 - G | sparse |
| Agar | ISP 7 - R | oyster white (1013) |
| Agar | ISP 7 - A | none |
| Agar | ISP 7 - S | none |

| | | |
|---|---|---|
| Agar | suter with tyrosine - G | sparse |
| Agar | suter with tyrosine - R | light ivory (1015) |
| Agar | suter with tyrosine - A | none |
| Agar | suter with tyrosine - S | none |
| Agar | suter without tyrosine - G | good |
| Agar | suter without tyrosine - R | light ivory (1015) |
| Agar | suter without tyrosine - A | none |
| Agar | suter without tyrosine - S | none |
| | Sporechains/Sporangia | |
| Physiology | | |
| Melanin | | - |
| pH | range | |
| pH | optimum | |
| temperature | range | |
| temperature | optimum | |
| sodium chloride tolerance | | 2,5% |
| 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) | 2 |
| Api zym | Esterase Lipase (C8) | 3 |
| Api zym | Lipase (C14) | 1 |
| Api zym | Leucin arylamidase | 5 |
| Api zym | Valine arylamidase | 5 |
| Api zym | Cystine arylamidase | 2 |
| Api zym | Trypsin | 2 |
| Api zym | Chymotrypsin | 3 |
| Api zym | Phosphatase acid | 3 |
| Api zym | Naphtol-AS-BI-phosphohydrolase | 2 |
| Api zym | alpha galactosidase | 5 |
| Api zym | beta galactosidase | 4 |
| Api zym | beta glucuronidase | 5 |
| Api zym | alpha glucosidase | 5 |
| Api zym | beta glucosidase | 5 |
| Api zym | N-acetyl-beta-glucoseamidase | 4 |

| | | |
|---|---|---|
| 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 | - |

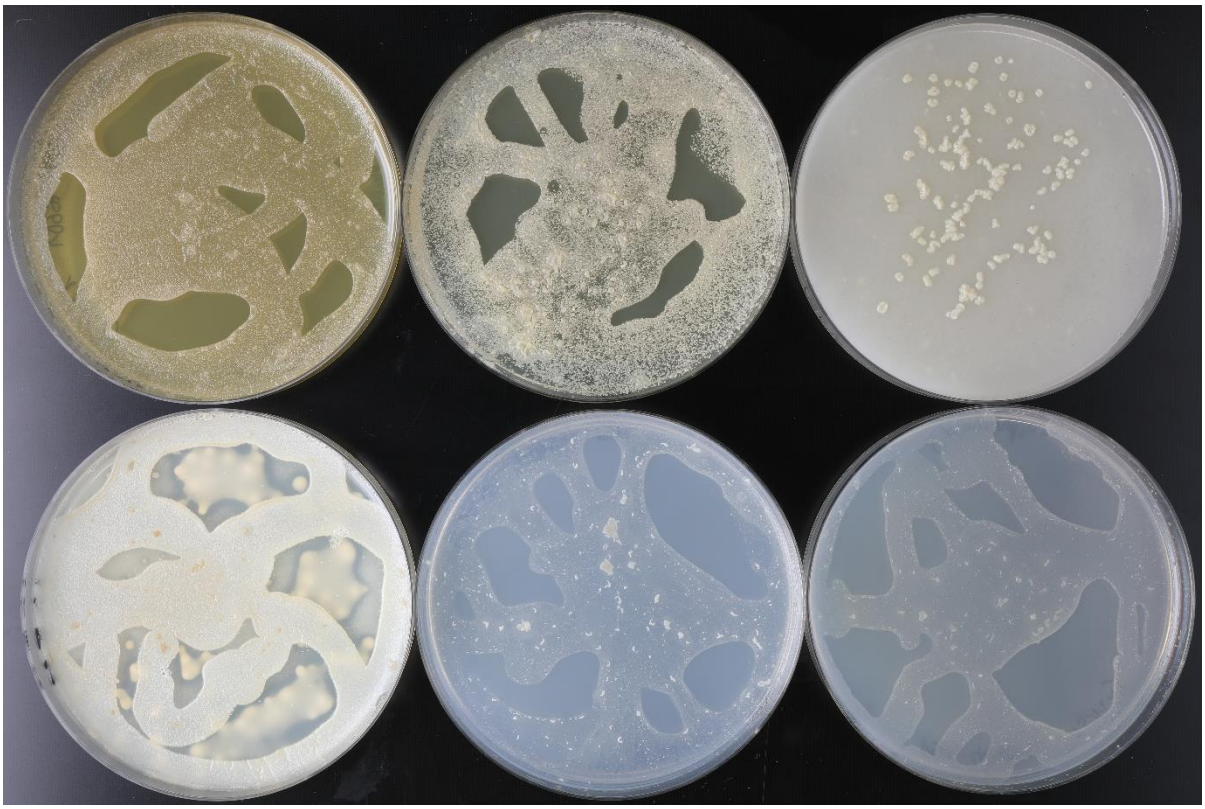
## Apicoryne


Abbildung 1: Apicoryne-Teststreifen mit Keim DSM 45601.

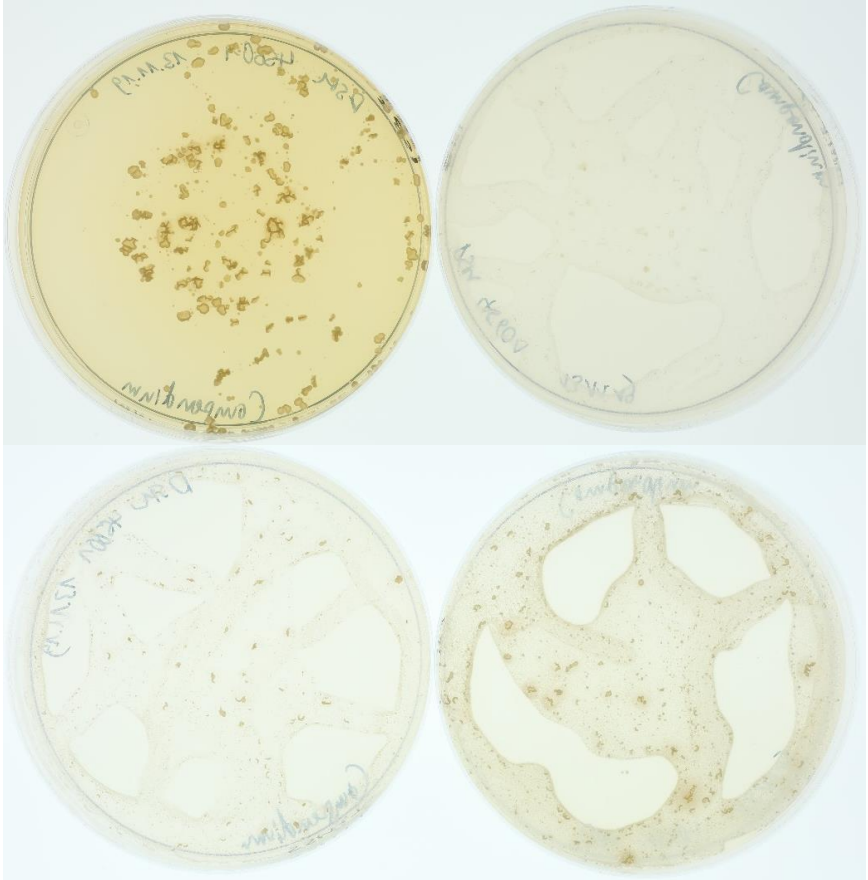
## Apizym

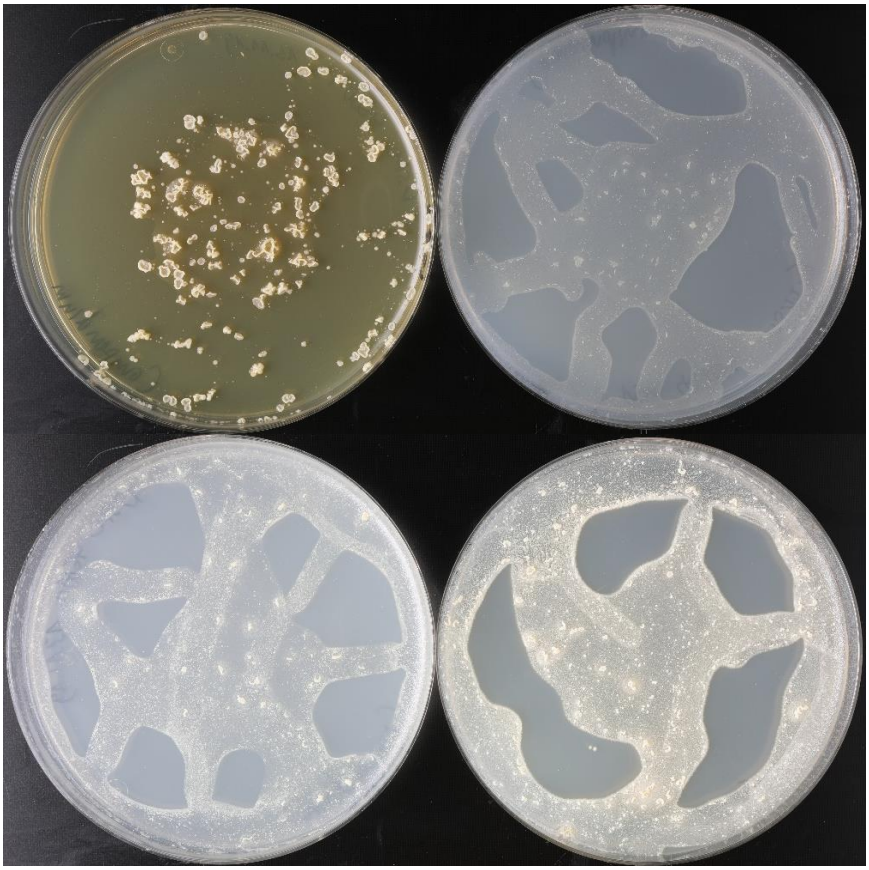

Abbildung 2: Apizym-Teststreifen mit Keim DSM 45601.

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

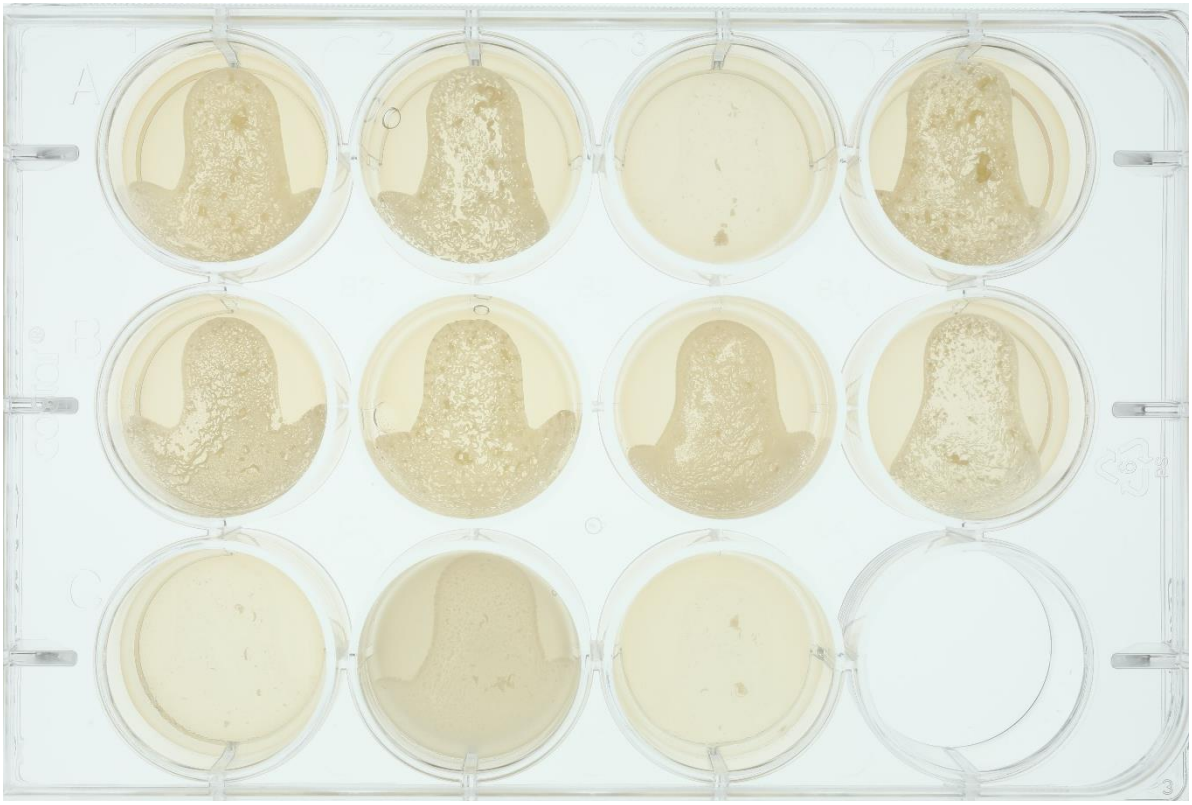


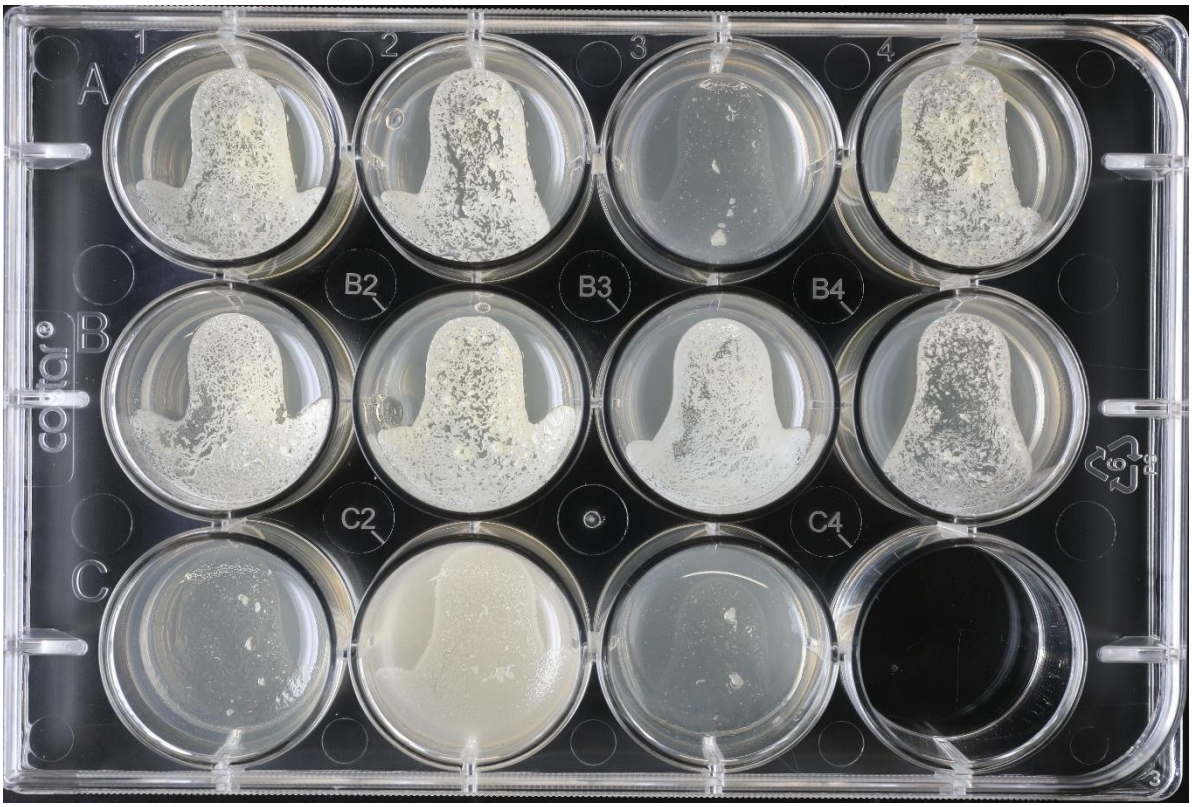
(ISP6, ISP7, SSM+T, SSM-T)





**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%)**