

Name: ***Kineococcus rhizosphaerae***

Authors: Lee 2009

Status: sp. nov. (VP)

Reference: Int. J. Syst. Evol. Microbiol. 59:2206

Type strain: DSM 19711, KCTC 19366, RP-B16

Author: Lee SD;

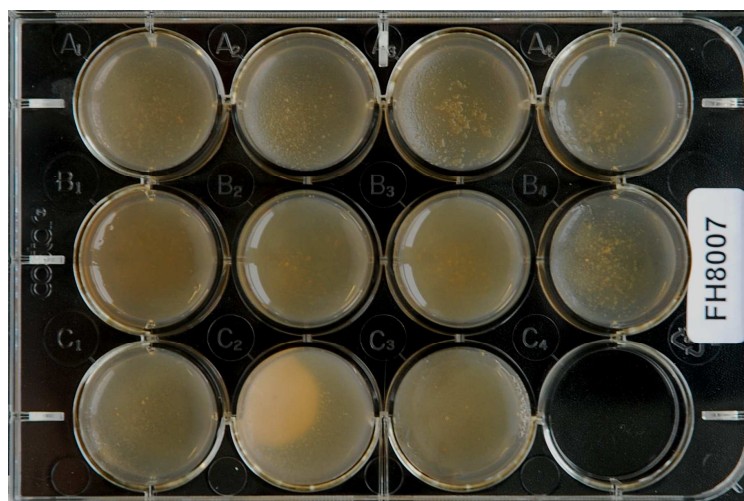
Title: *Kineococcus rhizosphaerae* sp. nov., isolated from
rhizosphere soil

Journal: Int J Syst Evol Microbiol

Volume: 59

Page: 2204-2207

Year: 2009



Carbon utilization

Genus: *Kineococcus* **FH 8007**

Species: *rhizosphaerae*

Numbers in other collections: DSM 19711

Morphology:

| | | |
|--------------|--------|---------------|
| | G | R |
| <u>ISP 2</u> | good | yellow orange |
| | A | SP |
| | none | none |
| | G | R |
| <u>ISP 3</u> | good | dahlia yellow |
| | A | SP |
| | none | none |
| | G | R |
| <u>ISP 4</u> | sparse | light ivory |
| | A | SP |
| | none | none |
| | G | R |
| <u>ISP 5</u> | sparse | light ivory |
| | A | SP |
| | none | none |
| | G | R |
| <u>ISP 6</u> | sparse | beige red |
| | A | SP |
| | none | none |
| | G | R |
| <u>ISP 7</u> | good | yellow orange |
| | A | SP |
| | sparse | light ivory |

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-
Temperature : Value- Optimum- 28 °C

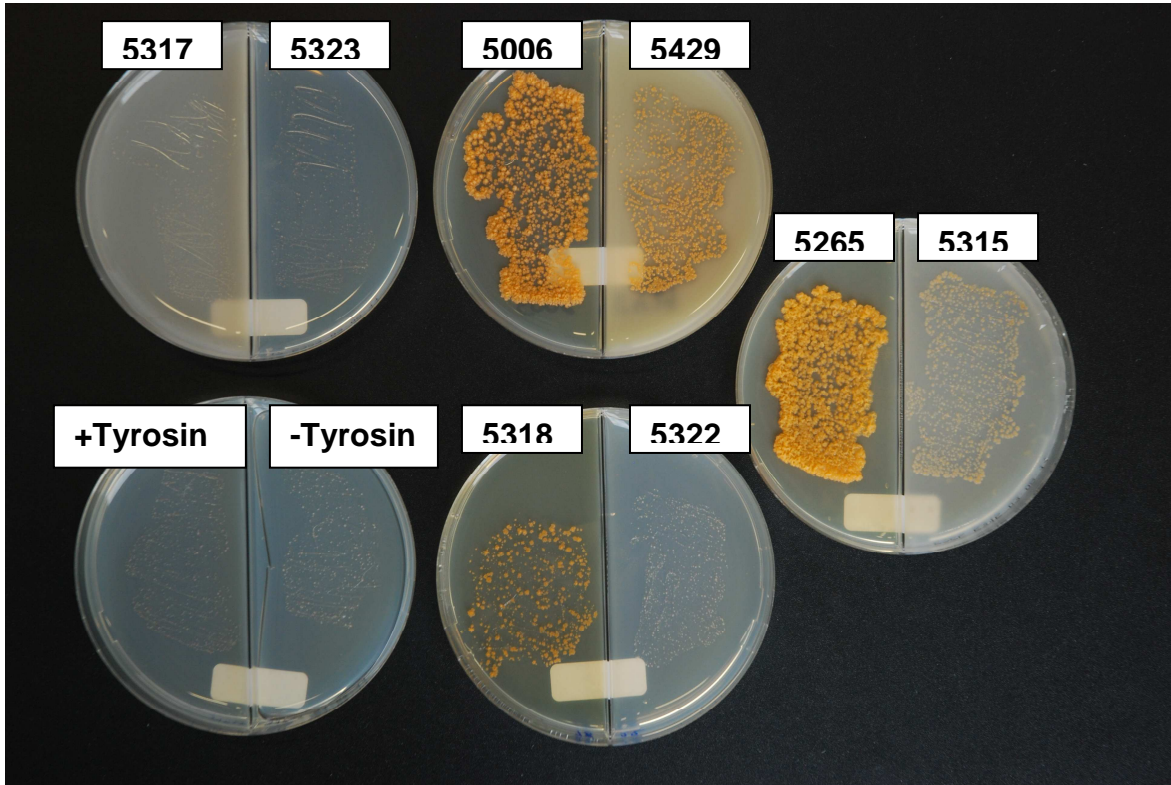
Carbon utilization:

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Ara | Suc | Xyl | Ino | Man | Fru | Rha | Raf | Cel |
| + | + | + | (+) | (+) | (+) | (+) | + | (+) | - |

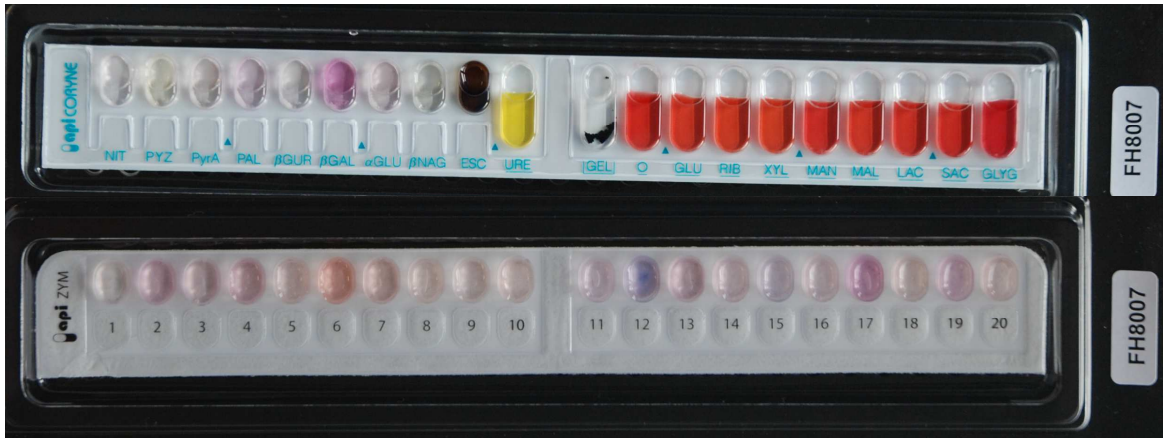
Enzymes:

| | | | | | | | | | | |
|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|
| 2+ | 3+ | 4+ | 5- | 6+ | 7- | 8- | 9- | 10- | 11+ | |
| 12+ | 13+ | 14+ | 15+ | 16+ | 17+ | 18- | 19+ | 20- | | |
| Nit | Pyz | Pyr | Pal | βGur | βGal | αGlu | βNag | Esc | Ure | Gel |
| - | - | - | + | - | + | + | - | + | - | - |
| Glu | Rib | Xyl | Man | Mal | Lac | Sac | Glyg | | | |
| (+) | (+) | (+) | - | (+) | (+) | (+) | - | | | |

Comments:



Kineococcus rhizosphaerae
Growth on different agar plates



Api coryne (upper) and Zym

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