

Name: ***Phycococcus bigeumensis***

Authors: Dastager et al. 2008

Status: sp. nov. (VP)

Reference: Int. J. Syst. Evol. Microbiol. 58:2428

Risk group: 1 (German classification)

Type strain: DSM 19264, KCTC 19266, MSL-03

Author(s) Dastager SG;Lee JC;Ju YJ;Park DJ;Kim CJ
Title *Phycococcus bigeumensis* sp. nov., a mesophilic
actinobacterium isolated from Bigeum Island, Korea
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Genus: *Phycococcus* **FH 6982**

Species: *bigeumensis*

Numbers in other collections: DSM 19264

Morphology:

	G	R
<u>ISP 2</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	ivory
	A	SP
	none	clay brown

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
				n.d.					

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:



Phycoccus bigeumensis

A and B – Agar plates medium 5006 and 5265



Phycococcus bigeumensis

C – Microplate with ISP- and melanin media

D – Api Zym (upper) and Coryne