

Class

*Actinobacteria*

Subclass

*Actinobacteridae*

Order

*Actinomycetales*

Suborder

*Micromonosporineae*

Family

*Micromonosporaceae*

Genus

*Asanoa*

## Genus Identity Card

<b>Genus</b>	<b><i>Asanoa</i></b>
Wall chemotype	meso-DAP, glycine (type II)
Whole cell sugar pattern galactose	xylose, arabinose, (type D)
Fatty acid pattern	Iso 16:0, Iso 17:0, 17:0, Iso 18:0, 18:1
Major menaquinone (MK)	-10(H <sub>6</sub> , H <sub>8</sub> )
Phospholipidtype	phosphatidylethanolamine
Mol% G+C of DNA	71-72
Morphology	branched substrate mycelium, short chains of spores arise singly or in tufts from the vegetative hyphae
Type species	<i>Asanoa ferruginea</i>

Lee, S.D. and Y.C. Hah. 2002.

Proposal to transfer *Catellatospora ferruginea* and "*Catellatospora ishikariense*" to ***Asanoa*** gen. nov. as *Asanoa ferruginea* comb. nov. and *Asanoa ishikariense* sp. nov., with emended description of the genus *Catellatospora*.

Int. J. Syst. Evol. Microbiol. 52. 967-972

**Genus:** *Asanoa* **FH 2669**

**Species:** *ferruginea*

**Numbers in other collections:** IFO 14496

**Author** Lee and Hah (2002)

Reclassification: Former *Catellatospora ferruginea* (Asano and Kawamoto 1986)

Morphology:

	G	R
<u>ISP 2</u>	good	pure orange
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	bright red orange
	A	SP
	none	none
	G	R
<u>ISP 4</u>	sparse	
	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	pure orange
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	pure orange
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation: -

**Melanoid pigment:** - - - -

**NaCl resistance:** 0 %

**Lysozyme resistance:**

**pH:** Value-

Optimum-

**Temperature :** Value-

Optimum- 28°C

**Carbon utilization:**

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

**Enzymes:**

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	-	-	-	+	-	-	-	+	-	-
2+	3-	4+	5-	6+	7+	8-	9+	10+	11+	12+
13+	14+	15-	16+	17+	18+	19+	20-			



***Asanoa ferruginea***

A and B – Agar plates medium 5265, 5315, 5317, 5323 and 5429



***Asanoa ferruginea***

C and D – Agar plates medium 5318, 5006, 5322, 5337 with and without tyrosine

Name: ASANOA  
Authors: Lee and Hah 2002  
Status: New Genus  
Type species: *A. ferruginea*  
Reference(s): Int. J. Syst. Bacteriol. 52:970

Name: *Asanoa ferruginea* (**Type species**)  
Authors: (Asano and Kawamoto 1986)  
Lee and Hah 2002  
Status: New Combination  
Reference(s): Int. J. Syst. Bacteriol. 52:970  
Risk group: 1 (German classification)  
Type strain: 6257-C, DSM 44099, IFO 14496  
Other names: *Catellatospora ferruginea* (basonym)

Name: *Asanoa iromotensis*  
Authors: Tamura and Sakane 2005  
Status: New Species  
Reference(s): Int. J. Syst. Evol. Microbiol. 55:727  
Risk group: 1 (German classification)  
Type strain: DSM 44745, NBRC 100142

Name: *Asanoa ishikariensis*  
Authors: Lee and Hah 2002  
Status: New Species  
Reference(s): Int. J. Syst. Bacteriol. 52:971  
Risk group: 1 (German classification)  
Comment: basonym "*Catellatospora ishikariense*"  
Type strain: IFO 14551, IMSNU 22004, DSM 44718