Additional Material for:

Characterization of structures in biofilms formed by *Pseudomonas fluorescens* isolated from soil

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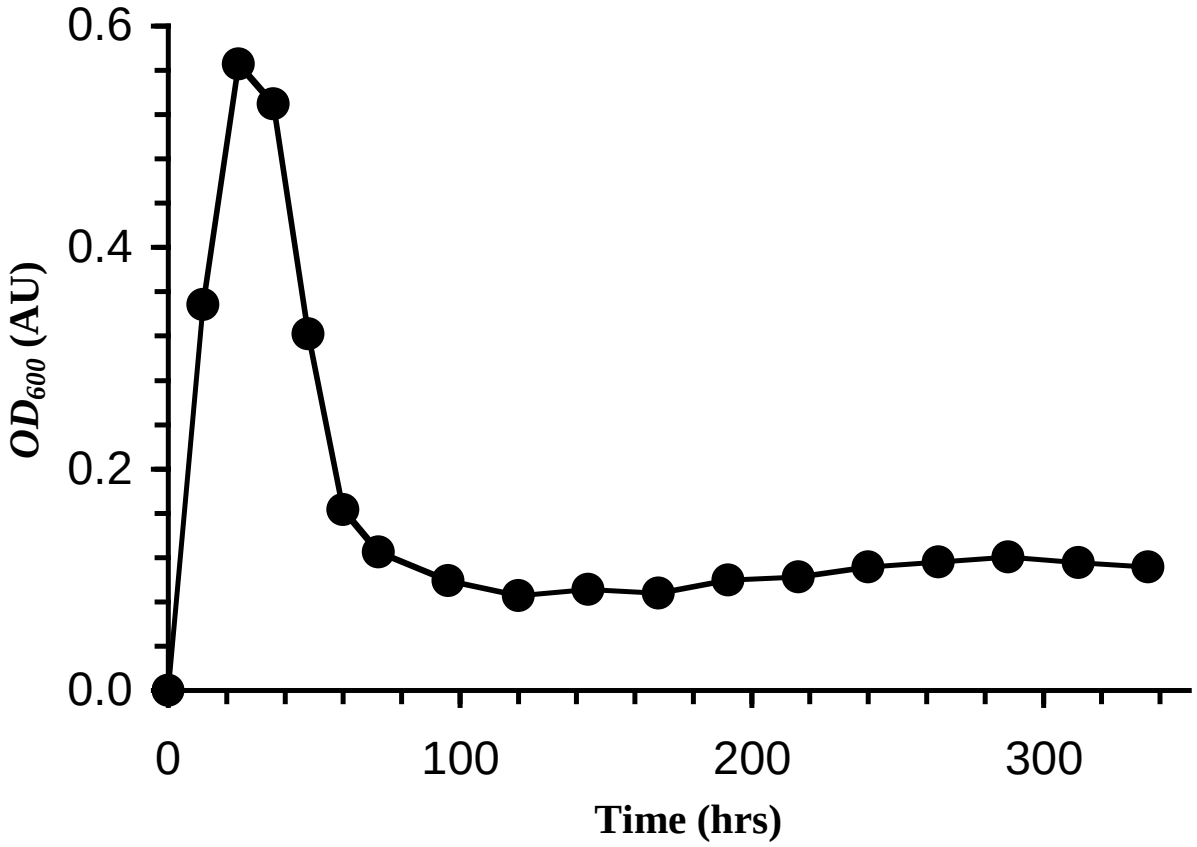

Figure AM-1 - Fourteen-day growth curve (OD_{600} represents corrected absorbance at 600 nm; mean of six samples cultivated in parallel) of *P. fluorescens* EvS4-B1 cultivated at 30 °C and 250 rev.min^{-1}.

The absolute values of OD_{600}, and the standard deviation across the six samples, are highly dependent on the characteristics (e.g., age and method of preparation) of the inoculum.

Table AM-1 - FTIR Absorption spectrum of dry biofilm/media sample as a suspension in KBr.

Peak (cm^{-1})	Height[a] (AU)	Assignment
3326, sh	0.171	O-H stretch [1]
2961	0.025	C-H stretch [1]
2930	0.027	C-H stretch [1]
1651	0.182	Amide I, 1661-1665 cm^{-1} [2]; 1650 cm^{-1} [3]
1536	0.045	Amide II, 1547 cm^{-1} [2]; 1530-1560 cm^{-1} [3]; 1480-1590 cm^{-1} [4]
1451	0.020	C-H bending of CH_2 [4]
1400	0.029	CH_3 sym deformation [5]; sym CO_2^- stretch in amino acids [5]
1315	0.003	C-O stretch [1]; *β-D*-mannuronate in alginate [6]
1275, sh	0.001	C-O stretch [1]; *α-L*-guluronate in alginate [6]
1261	0.006	C-O stretch [1]
1239	0.010	Acetate ester C-O stretch [5]; P=O stretch [5]
1220	0.010	Acetate ester C-O stretch [5]; P=O stretch [5]
1170	0.002	C-C and C-O stretch [1, 2]
1113	0.013	C-OH stretch and C-O-C C-O ring vibrations 1100 cm^{-1} in carbohydrates [4]
1045	0.100	C-OH & P-O stretches [7]

[a]Baselined.

br, broad; sh, shoulder.

References

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Additional Multimedia

Video clip (B1_MinMedia.wmv) shows biofilm material (*P. fluorescens* EvS4-B1, shaking culture) *in situ*.