

Notice on Plankton Seminar

#12008

13:30-15:30, 17 July (Tues.) 2012 at Room # W103

Kim J.-D., J.-Y. Kim, J.-K. Park and C.-G. Lee (2009)

Selective control of the *Prorocentrum minimum* harmful algal blooms
by a novel algal-lytic bacterium *Pseudoalteromonas haloplanktis* AFMB-08041
Mar. Biotechnol. **11**: 463-472.

Pseudoalteromonas haloplanktis AFMB-08041
Prorocentrum minimum

Prorocentrum minimum

P. minimum

P. minimum

Pseudoalteromonas haloplanktis AFMB-08041

P. minimum 2005 7 1m
AFMB-08041 *P. minimum* (f/2-Si)
AFMB-08041 16S rRNA AFMB-08041
1.0 x 10³ 1.0 x 10⁴ 1.0 x 10⁵ 1.0 x 10⁶ CFU mL⁻¹ *P. minimum* (1.6 x 10⁵
cells mL⁻¹) 100 mL 2.5 mL
P. minimum (0.7, 15.7, 79.1 x 10⁴ cells mL⁻¹)
AFMB-08041 (1.0 x 10⁵ CFU mL⁻¹)

6 (*Alexandrium tamarense*, *Akashiwo sanguinea*,
Cochlodinium polykrikoides, *Gymnodinium catenatum*, *Heterosigma akashiwo*, *Prorocentrum dentatum*)
AFMB-08041 AFMB-08041

2006 7 16 *P. minimum* (*P. minimum*: 1.3 x 10⁴
cells mL⁻¹) (90 x 45 x 45 cm) AFMB-08041 2.5 x 10⁴ CFU mL⁻¹
Chl. *a*
AFMB-08041 *Pseudoalteromonas haloplanktis* (99.9%)
AFMB-08041 *P. minimum*
2.5 x 10⁴ CFU mL⁻¹ (1.0 x 10⁵ CFU mL⁻¹) 5 (90%)
AFMB-08041 AFMB-08041 -

AFMB-08041 *P. minimum*
P. dentatum AFMB-08041
P. minimum AFMB-08041
5 94.5% AFMB-08041
P. minimum AFMB-08041