

学術論文

- **Sasaki, M., Jojima, T., Inui, M., and H. Yukawa.** Xylitol production by recombinant *Corynebacterium glutamicum* under oxygen deprivation. *Appl. Microbiol. Biotechnol.* 86(4): 1057-1066. 2010.
- **Matsumura, Y., Hosokawa, C., Sasaki, M., Akahira, A., Fukunaga, K., Ikeuchi, T., Oshiman, K., and T. Tsuchido.** Isolation and Characterization of Novel Bisphenol A Degrading Bacteria from soils. *Biocontrol Science.* 14(4): 161-169. 2009.
- **Sasaki, M., Jojima, T., Kawaguchi, H., Inui, M., and H. Yukawa.** Engineering of pentose transport in *Corynebacterium glutamicum* to improve simultaneous utilization of mixed sugars. *Appl. Microbiol. Biotechnol.* 85(1): 105-115. 2009.
- **Kawaguchi, H., Sasaki, M., Vertès, A. A., Inui, M., and H. Yukawa.** Identification and functional analysis of the gene cluster for L-arabinose utilization in *Corynebacterium*. *Appl. Environ. Microbiol.* 75(11): 3419-3429. 2009.
- **Sasaki, M., Jojima, T., Inui, M., and H. Yukawa.** Simultaneous utilization of D-cellobiose, D-glucose, and D-xylose by recombinant *Corynebacterium glutamicum* under oxygen-deprived conditions. *Appl. Microbiol. Biotechnol.* 81(4): 691-699. 2008.
- **Sasaki, M., Tsuchido, T., and Y. Matsumura.** Molecular cloning and characterization of cytochrome P450 and ferredoxin genes involved in bisphenol A degradation in *Sphingomonas bisphenolicum* strain AO1. *J. Appl. Microbiol.* 105(4): 1158–1169. 2008.
- **Kawaguchi, H., Sasaki, M., Vertès, A. A., Inui, M., and H. Yukawa.** Engineering of an L-arabinose metabolic pathway in *Corynebacterium glutamicum*. *Appl. Microbiol. Biotechnol.* 77(5): 1053–1062. 2008.
- **Sasaki, M., A. Akahira, K. Oshiman, T. Tsuchido, and Y. Matsumura.** Purification of Cytochrome P450 and Ferredoxin involved in Bisphenol A Degradation from *Sphingomonas* sp. Strain AO1. *Appl. Environ. Microbiol.* 71(12): 8024–8030. 2005.
- **Sasaki, M., J. Maki, K. Oshiman, Y. Matsumura, and T. Tsuchido.** Biodegradation of Bisphenol A by Cells and Cell Lysate from *Sphingomonas* sp. Strain AO1. *Biodegradation.* 16(5): 449–459. 2005.
- 松村吉信・佐々木美穂. *Sphingomonas* 属細菌におけるビスフェノールA 分解. *日本防菌防黴学会誌.* 33(2): 91–97. 2005.
- **Sakamoto, J. J., Sasaki, M., and T. Tsuchido.** Purification and Characterization of a *Bacillus subtilis* 168 Nuclease, YokF, Involved in Chromosomal DNA Degradation and Cell Death Caused by Thermal Shock Treatments. *J. Biol. Chem.* 276(50): 47046–47051. 2001