

5. Department of Bacteriology II

- 1) Wachino J, Yamaguchi Y, Mori S, Yamagata Y, Arakawa Y, Shibayama K. Crystallization and preliminary X-ray analysis of the subclass B3 metallo- β -lactamase SMB-1 that confers carbapenem resistance. *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 2012 Mar 1;68(Pt 3):343-6.
- 2) Wachino J, Yoshida H, Yamane K, Suzuki S, Matsui M, Yamagishi T, Tsutsui A, Konda T, Shibayama K, Arakawa Y. SMB-1, a novel subclass B3 metallo- β -lactamase, associated with *ISCR1* and a class 1 integron, from a carbapenem-resistant *Serratia marcescens* clinical isolate. *Antimicrob Agents Chemother.* 2011 Nov;55(11):5143-9.
- 3) Wachino J, Yamane K, Arakawa Y. Practical disk-based method for detection of *Escherichia coli* clinical isolates producing the fluoroquinolone-modifying enzyme AAC(6)-Ib-cr. *J Clin Microbiol.* 2011 Jun;49(6):2378-9.
- 4) Tsutsui A, Suzuki S, Yamane K, Matsui M, Konda T, Marui E, Takahashi K, Arakawa Y. Genotypes and infection sites in an outbreak of multidrug-resistant *Pseudomonas aeruginosa*. *J Hosp Infect.* 2011 Aug;78(4):317-22.
- 5) Oie S, Obayashi A, Yamasaki H, Furukawa H, Kenri T, Takahashi M, Kawamoto K, Makino S. Disinfection methods for spores of *Bacillus atrophaeus*, *B. anthracis*, *Clostridium tetani*, *C. botulinum* and *C. difficile*. *Biol Pharm Bull.* 2011; 34(8):1325-9.
- 6) Kenri T, Horino A, Matsui M, Sasaki Y, Suzuki S, Narita M, Ohya H, Okazaki N, Shibayama K. Complete genome sequence of *Mycoplasma pneumoniae* type 2a strain 309, isolated in Japan. *J Bacteriol.* 2012 Mar; 194(5):1253-4.
- 7) Miura M, Kato H, Matsushita O. Identification of a novel virulence factor in *Clostridium difficile* that modulates toxin sensitivity of cultured epithelial cells. *Infect Immun.* 2011 Sep;79(9):3810-20.
- 8) Kawada M, Annaka M, Kato H, Shibasaki S, Hikosaka K, Mizuno H, Masuda Y, Inamatsu T. Evaluation of a simultaneous detection kit for the glutamate dehydrogenase antigen and toxin A/B in feces for diagnosis of *Clostridium difficile* infection. *J Infect Chemother.* 2011 Dec;17(6):807-11.
- 9) Kato H, Arakawa Y. Use of the loop-mediated isothermal amplification method for identification of PCR ribotype 027 *Clostridium difficile*. *J Med Microbiol.* 2011 Aug;60:1126-30.
- 10) Tierney R, Stickings P, Hockley J, Rigsby P, Iwaki M, and Sesardic D.: Collaborative study for the calibration of a replacement international standard for tetanus toxoid adsorbed. *Biologicals* 39: 404-416, 2011.
- 11) Katsukawa C, Komiya T, Yamagishi H, Ishii A, Nishino S, Nagahama S, Iwaki M, Yamamoto A, and Takahashi M.: Prevalence of *Corynebacterium ulcerans* in dogs in Osaka, Japan. *J. Med. Microbiol.* 61: 266-273, 2012.
- 12) Hifumi T, Yamamoto A, Morokuma K, Ogasawara T, Kiriu N, Hasegawa E, Inoue J, Kato H, Koido J, and Takahashi M, Surveillance of the clinical use of mamushi (*Gloydius blomhoffii*) antivenom in tertiary care centers in Japan. *JJID.* 2011; 64(5): 373-6.
- 13) Rimbara E, Noguchi N, Kawai T, Sasatsu M. Fluoroquinolone resistance in *Helicobacter pylori*: role of mutations at position 87 and 91 of GyrA on the level of resistance and identification of a resistance conferring mutation in GyrB. *Helicobacter.* 2012 Feb;17(1):36-42.
- 14) Li Y, Rimbara E, Thirumurthi S, Trespalacios A, Reddy R, Sabounchi S, Attumi TA, Graham DY. Detection of clarithromycin resistance in *Helicobacter pylori* following noncryogenic storage of rapid urease tests for 30 days. *J Dig Dis.* 2012 Jan;13(1):54-9.
- 15) Mori S, Shibayama K, Wachino J, Arakawa Y. Structural insights into the novel diadenosine 5',5'''- P^1, P^4 -tetrakisphosphate phosphorylase from *Mycobacterium tuberculosis* H37Rv. *J Mol Biol.* 2011 Jul 1;410(1):93-104.
- 16) Ito M, Kusunoki H, Mochida K, Yamaguchi K, Mizuochoi T. HCV infection and B-cell lymphomagenesis. *Adv Hematol.* 2011;2011:835314.
- 17) Otsuka N, Han HJ, Toyozumi-Ajisaka H, Nakamura Y, Arakawa Y, Shibayama K, Kamachi K. Prevalence and genetic characterization of pertactin-deficient *Bordetella pertussis* in Japan. *PLoS One.* 2012;7(2):e31985.