

## 5. Department of Bacteriology II

- 1) Kato H, Kato H, Nakamura M, Iwashima Y, Nakamura A, and Ueda R.: Rapid analysis of *Clostridium difficile* strains recovered from hospitalized patients by using the *slpA* sequence typing. *J Infect Chemother*, 15: 199-202, 2009.
- 2) Kuroda M, Katano H, Nakajima N, Tobiume M, Ainai A, Sekizuka T, Hasegawa H, Tashiro M, Sasaki Y, Arakawa Y, Hata S, Watanabe M, and Sata T.: Characterization of quasispecies of pandemic 2009 Influenza A virus (A/H1N1/2009) by De Novo sequencing using a next-generation DNA sequencer. *PloS One* 5; e10256, doi: 10.1371/journal.pone.0010256, 2010.
- 3) Kimura K, Wachino, J, Kurokawa H, Suzuki S, Yamane K, Shibata S, and Arakawa Y.: Practical disk diffusion test for detecting group B streptococcus with reduced penicillin susceptibility. *J Clin Microbiol*, 47: 4154-4157, 2009.
- 4) Nagano N, Kimura K, Nagano Y, Yakumaru H, and Arakawa Y.: Molecular characterization of group B streptococci with reduced penicillin susceptibility recurrently isolated from a sacral decubitus ulcer. *J Antimicrobial Chemother*, 64: 1326-1328, 2009.
- 5) Honma Y, Yoshii Y, Watanabe Y, Aoki N, Komiya T, Iwaki M, Arai H, Arakawa Y, Takahashi M, and Kimura H.: A Case of Afebrile Pneumonia Caused by Non-Toxigenic *Corynebacterium diphtheriae*. *Jpn J Infect Dis*, 62 (4): 327-329, 2009.
- 6) Katsukawa C, Kawahara R, Inoue K, Ishii A, Yamagishi H, Kida K, Nishino S, Nagahama S, Komiya T, Iwaki M, and Takahashi M.: Toxigenic *Corynebacterium ulcerans* Isolated from the Domestic Dog for the First Time in Japan. *Jpn J Infect Dis*, 62 (2): 171-172, 2009.
- 7) Hall AJ, Cassidy PK, Bernard KA, Bolt F, Steigerwalt AG, Bixler D, Pawloski LC, Whitney AM, Iwaki M, Baldwin A, Dowson CG, Komiya T, Takahashi M, Hinrikson AP, and Tondella ML.: A Novel *Corynebacterium diphtheriae* Isolated from Domestic Cats (*Felis catus*). *Emerg Infect Dis*, 16 (4): 688-691, 2010.
- 8) Horino A, Kenri T, Sasaki Y, Okamura N, and Sasaki T.: Identification of a site-specific tyrosine recombinase that mediates promoter inversions of phase-variable *mpl* lipoprotein genes in *Mycoplasma penetrans*. *Microbiology*, 155: 1241-1249, 2009.
- 9) Kataoka M, Yamamoto A, Ochiai M, Harashima A, Nagata N, Hasegawa H, Kurata T, and Horiuchi Y.: Comparison of acellular pertussis based combination vaccines by Japanese control tests for toxicities and laboratory models for local reaction. *Vaccine*, 27: 1881-1888, 2009.
- 10) Kawamura-Sato K, Yoshida R, Shibayama K, and Ohta M.: Virulence genes, quinolone and fluoroquinolone resistance, and phylogenetic background of uropathogenic *Escherichia coli* strains isolated in Japan. *Jpn J Infect Dis*, 63 (2): 113-5, 2009.
- 11) Mori S, Shibayama K, Wachino J, and Arakawa Y.: Crystallization and preliminary X-ray analysis of the diadenosine 5',5'''-P1,P4-tetraphosphate phosphorylase from *Mycobacterium tuberculosis* H37Rv. *Acta Crystallogr*, F66: 279-281, 2010.
- 12) Mori S, Shibayama K, Wachino J, and Arakawa Y.: Purification and molecular characterization of a novel diadenosine 5',5'''-P(1),P(4)-tetraphosphate phosphorylase from *Mycobacterium tuberculosis* H37Rv. *Protein Expr Purif*, 69: 99-105, 2010.
- 13) Kamachi K, Fukuda T, Han HJ, Toyoizumi-Ajisaka H, Mochida K, Konda T, Horiuchi Y, Arakawa Y, and DPT technical committee of the association of biological manufactures of Japan.: Genetic verification of *Bordetella pertussis* seed strains used for production of Japanese acellular pertussis vaccines. *Biologicals*, 38: 290-293, 2010.
- 14) Kamano H, Mori T, Maeta H, Taminato T, Ishida T, Kishimoto N, Katami T, Sato M, Kamachi K, and Mochida Y.: Analysis of *Bordetella pertussis* agglutinin titers during an outbreak of pertussis at a university in Japan. *Jpn J Infect Dis*, 63: 108-112, 2010.
- 15) Sakamoto T, Torii Y, Takahashi M, Ishida S, Goto Y, Nakano H, Harakawa T, Ginnaga A, Kozaki S, and Kaji R.: Quantitative determination of the biological activity of botulinum toxin type A by measuring the compound muscle

action potential (CMAP) in rats. *Toxicon*, 54: 857-861, 2009.

- 16) Torii Y, Goto Y, Takahashi M, Ishida S, Harakawa T, Sakamoto T, Kaji R, Kozaki S, and Ginnaga A.: Quantitative determination of biological activity of botulinum toxins utilizing compound muscle action potentials (CMAP), and comparison of neuromuscular transmission blockage and muscle flaccidity among toxins. *Toxicon*, 55: 407-414, 2010.
- 17) Torii Y, Takahashi M, Ishida S, Goto Y, Nakahira S, Harakawa T, Kaji R, Kozaki S, and Ginnaga A.: Quantification of potency of neutralizing antibodies to botulinum toxin using compound muscle action potential (CMAP). *Toxicon*, 55: 662-665, 2010.