



Genomic Diversity and Molecular Epidemiology of Rotaviruses 2003

Editor

Nobumichi Kobayashi

Department of Hygiene, Sapporo Medical University
School of Medicine S-1 W-17 Chuo-ku
Sapporo 060-8556
Japan

C o n t e n t s

Genetic reassortment and interspecies transmission of rotaviruses —————	1
<i>Enzo A. Palombo</i>	
Variation of rotavirus antigenic specificity observed in a dairy herd over a long-term survey —————	17
<i>Martella Vito, Decaro Nicola, Pratelli Annamaria, Tempesta Maria and Buonavoglia Canio</i>	
Epidemiological aspects of rotavirus infections in Argentina —————	25
<i>Alejandro A. Castello, Marcelo H. Argüelles and Graciela Glikmann</i>	
Genetic diversity of rotavirus nonstructural glycoprotein NSP4: Sequence, structure and toxic properties —————	39
<i>Peng Tian, Shuo L. Lin, Timothy J. Zamb and Orlie Levy</i>	
Genomic diversity through gene reassortment and antigenic drift and molecular epidemiology of rotaviruses in India —————	55
<i>C. Durga Rao, M.R. Jagannath, B.C. Varshney, M. Das and B.S.Y. Reddy</i>	
Genomic diversity and evolution of rotaviruses: An overview —————	75
<i>Nobumichi Kobayashi, Mohammed Mahbub Alam, Kazunobu Kojima Keiji Mise, Masaho Ishino and Ayako Sumi</i>	
Genomic diversity and molecular evolution of group B human rotaviruses —————	91
<i>Nobumichi Kobayashi, Trailokya N. Naik and Muzahed U. Ahmed</i>	
A new development of chaos analysis and a possibility of its application to epidemics of rotavirus infection —————	105
<i>Ayako Sumi and Nobumichi Kobayashi</i>	