REVIEW

Oral human papillomavirus infection incidence and clearance: a systematic review of the literature
Z. C. Wood, C. J. Bain, D. D. Smith, D. C. Whiteman and A. Antonsson

ICTV VIRUS TAXONOMY PROFILES

ICTV Virus Taxonomy Profile: *Iflaviridae*

ICTV Virus Taxonomy Profile: *Secoviridae*

ANIMAL

DOUBLE-STRAND RNA VIRUSES

Identification and characterization of a human G9P[23] rotavirus strain from a child with diarrhoea in Thailand: evidence for porcine-to-human interspecies transmission

High genetic diversity of species A rotaviruses detected in swine farms in Chile

NEGATIVE-STRAND RNA VIRUSES

Novel reassortant H9N2 viruses in pigeons and evidence for antigenic diversity of H9N2 viruses isolated from quails in Egypt
A. Kandeil, R. El-Shesheny, A. Maatouq, Y. Moatasim, Z. Cai, P. McKenzie, R. Webby, G. Kayali and M. A. Ali

Nuclear localization and secretion competence are conserved among henipavirus matrix proteins

Pathogenicity of modified bat influenza virus with different M genes and its reassortment potential with swine influenza A virus

Characterization of the Bujaru, frijoles and Tapara antigenic complexes into the sandfly fever group and two unclassified phleboviruses from Brazil

First field evidence of the evolution from a non-virulent HPR0 to a virulent HPR-deleted infectious salmon anaemia virus
POSITIVE-STRAND RNA VIRUSES

Genetic characterization of two novel megriviruses in geese
F. Wang, T. Liang, N. Liu, K. Ning, K. Yu and D. Zhang 607–611

Diverse novel astroviruses identified in wild Himalayan marmots

Cellular microRNA miR-10a-5p inhibits replication of porcine reproductive and respiratory syndrome virus by targeting the host factor signal recognition particle 14
G. Zhao, J. Hou, G. Xu, A. Xiang, Y. Kang, Y. Yan, X. Zhang, G. Yang, S. Xiao and S. Sun 624–632

Hepatitis C virus intragenomic interactions are modulated by the SLVI RNA structure of the core coding sequence
M. Ventura, L. Martin, C. Jaubert, M.-L. Andréeola and C. Masante 633–642

Antiviral activity of acid beta-glucosidase 1 on enterovirus 71, a causative agent of hand, foot and mouth disease
K. Nakata, S. Takeda, A. Tanaka, J. Kwang and J. Komano 643–651

Experimental vertical transmission of covert mortality nodavirus in Exopalaemon carinicauda
S. Liu, J. Li, Y. Tian, C. Wang, X. Li, T. Xu, J. Li and Q. Zhang 652–661

Pathogenicity evaluation of twelve West Nile virus strains belonging to four lineages from five continents in a mouse model: discrimination between three pathogenicity categories
E. Pérez-Ramírez, F. Florente, J. del Amo, G. Fall, A. A. Sall, A. Lubisi, S. Lecollinet, A. Vázquez and M. Á. Jiménez-Clavero 662–670

Separation of foot-and-mouth disease virus leader protein activities; identification of mutants that retain efficient self-processing activity but poorly induce eIF4G cleavage
S. H. Guan and G. J. Belsham 671–680

SMALL DNA VIRUSES

Physical state and copy numbers of HPV16 in oral asymptomatic infections that persisted or cleared during the 6-year follow-up
A. Lorenzi, J. Rautava, K. Kero, K. Syrjänen, A. Longatto-Filho, S. Grenman and S. Syrjänen 681–689

Faecal virome of healthy chickens reveals a large diversity of the eukaryote viral community, including novel circular ssDNA viruses

Large T antigen variants of human polyomaviruses 9 and 12 and seroreactivity against their N terminus

Characterizing the spatio-temporal role of sorting nexin 17 in human papillomavirus trafficking
M. Bergant, S. Peternel, D. Pim, J. Broniarczyk and L. Banks 715–725

Discovery of African bat polyomaviruses and infrequent recombination in the large T antigen in the Polyomaviridae
Novel bat adenoviruses with low G+C content shed new light on the evolution of adenoviruses

LARGE DNA VIRUSES

155R is a novel structural protein of bovine adenovirus type 3, but it is not essential for virus replication
A. D. Hassan, S. V. Vemula, A. Sharma, D. S. Bangari, K. K. Mishra and S. K. Mittal

High-throughput screening of a GlaxoSmithKline protein kinase inhibitor set identifies an inhibitor of human cytomegalovirus replication that prevents CREB and histone H3 post-translational modification
A. S. Khan, M. J. Murray, C. M. K. Ho, W. J. Zuercher, M. B. Reeves and B. L. Strang

Anti-melanization mechanism of the white spot syndrome viral protein, WSSV453, via interaction with shrimp proPO-activating enzyme, PmproPPAE2

Differentially expressed genes during spontaneous lytic switch of Marek’s disease virus in lymphoblastoid cell lines determined by global gene expression profiling
W. N. Mwangi, D. Vasoya, L. B. Kgosana, M. Watson and V. Nair

RETROVIRUSES

Isolation and characterization of an HIV-1 envelope glycoprotein-specific B-cell from an immortalized human naive B-cell library
Z. Sun, S. Lu, Z. Yang, J. Li and M. Zhang

Histone deacetylase inhibitors containing a benzamide functional group and a pyridyl cap are preferentially effective human immunodeficiency virus-1 latency-reversing agents in primary resting CD4+ T cells
Y. Kobayashi, C. Gélinas and J. P. Dougherty

Activation of gga-miR-155 by reticuloendotheliosis virus T strain and its contribution to transformation
Y. Yao, D. Vasoya, L. Kgosana, L. P. Smith, Y. Gao, X. Wang, M. Watson and V. Nair

Combination antiretroviral therapy and cell–cell spread of wild-type and drug-resistant human immunodeficiency virus-1
B. K. Titanji, D. Pillay and C. Jolly

A novel mother–to-child human T-cell leukaemia virus type 1 (HTLV-1) transmission model for investigating the role of maternal anti-HTLV-1 antibodies using orally infected mother rats

INSECT VIRUSES

DNA VIRUSES

Deltabaculoviruses encode a functional type I budded virus envelope fusion protein
M. Wang, S. Shen, H. Wang, Z. Hu, J. Becnel and J. M. Vlak

Protein–protein interactions of the baculovirus per os infectivity factors (PIFs) in the PIF complex
Q. Zheng, Y. Shen, X. Kon, J. Zhang, M. Feng and X. Wu
PLANT

RNA VIRUSES

Determinants of host species range in plant viruses

B. Moury, F. Fabre, E. Hébrard and R. Froissart

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