OptiPrep™ Reference List RV03

GROUP III VIRUSES

- **Viruses are listed alphabetically within the Baltimore scheme: Family, Genus and Species. Publications are listed alphabetically by first author and, where necessary, references are further divided according to research topic.**
- **Note a reference on "Taxonomy" is included at the end of p2.**
- **Multiple entries from the same first author are listed chronologically.**
- **For a detailed methodology of Group III viruses see OptiPrep™ Application Sheet V17. V06 is a methodological review of OptiPrep™ technology.**

African horse sickness virus: see *Sedoreovirinae*

Birnavirus

Espirito Santo virus

Vancini, R., Paredes, A., Ribeiro, M., Blackburn, K., Ferreira, D., Kononchik, Jr. J.P., Hernandez, R. and Brown, D. (2012) *Espirito Santo virus: a new Birnavirus that replicates in insect cells* J. Virol., **86**, 2390-2399

Orbivirus - Seadoreovirinae

African horse sickness virus

Dennis, S.J., O'Kennedy, M.M., Rutkowska, D., Tsekoa, T., Lourens, C.W., Hitzeroth, I.I., Meyers, A.E. and Rybicki, E.P. (2018) *Safety and immunogenicity of plant-produced African horse sickness virus-like particles in horses* Vet. Res. **49**: 105

Dennis, S.J., Meyers, A.E., Guthrie, A.J., Hitzeroth, I.I. and Rybicki, E.P. (2018) *Immunogenicity of plant-produced African horse sickness virus-like particles: implications for a novel vaccine* Plant Biotech. J., **16**, 442–450

Rutkowska, D.A., Mokoena, N.B., Tsekoa, T.L., Dibakwane, V.S. and O'Kennedy, M.M. (2019) *Plant-produced chimeric virus-like particles - a new generation vaccine against African horse sickness* BMC Veter. Res., **15**: 432

Reoviridae

Banna virus

Jaafar, F.M., Attoui, H., Mertens, P.P.C., de Micco, P. and de Lamballerie, X. (2005) *Structural organization of an encephalitic human isolate of Banna virus (genus Seadornavirus, family Reoviridae)* J. Gen. Virol., **86**, 1147-1157

Blue tongue virus

Brillault, L., Jutras, P.V., Dashti, N., Thuenemann, E.C., Morgan, G., Lomonossoff, G.P., Landsberg, M.J. and Sainsbury, F. (2017) *Engineering recombinant virus-like nanoparticles from plants for cellular delivery* ACS Nano,**11**, 3476−3484

Mokoena, N.B., Moetlhoa, B., Rutkowska. D.A., Mamputha, S., Dibakwane, V.S., Tsekoa, T.L. and O'Kennedy, M.M. (2019) *Plant-produced Bluetongue chimaeric VLP vaccine candidates elicit serotype-specific immunity in sheep* Vaccine, 37, 6068–6075

Thuenemann, E.C., Meyers, A.E., Verwey, J., Rybicki, E.P. and Lomonossoff, G.P. (2013) A *method for rapid production of heteromultimeric protein complexes in plants: assembly of protective bluetongue virus-like particles* Plant Biotechnol. J. **11**, 839–846

Van Zyl, A.R., Meyers, A.E. and Rybicki, E.P. (2016) *Transient Bluetongue virus serotype 8 capsid protein expression in Nicotiana benthamiana* Biotech. Rep., **9**, 15–24

Dinovernavirus

Attoui, H., Jaafar, F.M., Belhouchet, M., Biagini, P., Cantaloube, J-F., de Micco, P. and de Lamballerie, X. (2005) *Expansion of family reoviridae to include nine-segmented dsRNA viruses: isolation and characterization*

of a new virus designated aedes pseudoscutellaris reovirus assigned to a proposed genes (dinovernavirus) Virology, **343**, 212-223

Seadornavirus (see also item 3)

Attoui, H., Jaafar, F.M., Belhouchet, M., Tao, S., Chen, B., Liang, G., Tesh, R.B., de Micco, P. and de Lamballerie, X. (2006) *Liao ning, a new Chinese seadornavirus that replicates in transformed and embryonic mammalian cells* J. Gen. Virol., **87**, 199-208

Rotaviruses

Cheung, W., Gill, M., Esposito, A., Kaminski, C.F., Courousse, N., Chwetzoff, S., Trugnan, G. Keshavan, N., Lever, A. and Desselberger, U. (2010) *Rotaviruses associate with cellular lipid droplet components to replicate in viroplasms, and compounds disrupting or blocking lipid droplets inhibit viroplasm formation and viral replication* J. Virol., **84**, 6782-6798

Cheung, W., Gaunt, E., Lever, A. and Desselberger, U. (2016) *Rotavirus replication: the role of lipid droplets in viral gastroenteritis* Elsevier Inc pp 175-187

Lever, A. and Desselberger, U. (2016) *Rotavirus replication and the role of cellular lipid droplets: New therapeutic targets?* J. Formosan Med. Assoc., **115**, 389-394

Trejo-Cerro, O., Eichwald, C., Schraner, E.M., Silva-Ayala, D., López, S., Ariasa, C.F. (2018) *Actin-dependent nonlytic rotavirus exit and infectious virus morphogenetic pathway in nonpolarized cells* J. Virol., **92**: e02076-17

Taxonomy

Attoui, H., Mertens, P.P.C., Becnel, J., Belaganahalli, S., Bergoin, M., Brussaard, C.P., Chappell, J.D., Ciarlet, M., del Vas, M., Dermody, T.S. et al (2012) *Dinovernavirus* In Virus Taxonomy: Ninth Report of the International Committee on Taxonomy of Viruses International Committee on Taxonomy of Viruses. Elsevier Inc., pp 541-637

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