

A novel sweet potato potyvirus open reading frame (ORF) is expressed via polymerase slippage and suppresses RNA silencing

Untiveros, Milton; **Olsper, Allan**; Artola, Katrin; Firth, Andrew E.; Kreuze, Jan F.; Valkonen, Jari P.T. Molecular plant pathology 2016 / p. 1111-1123 : ill <https://doi.org/10.1111/mpp.12366>

Cellular localization of cocksfoot mottle sobemovirus (CfMV) proteins

Truve, Erkki; Meier, Merike; Paves, Heiti; **Olsper, Allan**; Toomela, Raavo; Tamm, T. XIIth International Congress of Virology 2002 / p. 303

Cocksfoot mottle sobemovirus coat protein contains two nuclear localization signals

Olsper, Allan; Paves, Heiti; Toomela, Raavo; Tamm, Tiina; **Truve, Erkki** Virus genes 2010 / 3, p. 423-431 : ill

Cocksfoot mottle sobemovirus establishes infection through the phloem

Otsus, Maarja; Uffert, Gabriela; Sõmera, Merike; Paves, Heiti; Olsper, Allan; Islamov, Bulat; Truve, Erkki Virus research 2012 / p. 125-129 : ill <https://pubmed.ncbi.nlm.nih.gov/22425583/>

Cocksfoot mottle virus : target for dsRNA-based vaccination in monocots?

Ilau, Birger; Olsper, Allan; Sarmiento Guerin, Maria Cecilia; Truve, Erkki COST FA0806 WGs & MC meeting : book of abstracts : 3-5 September 2012, Ljubljana, Slovenia 2012 / p. 21

Cocksfoot mottle virus coat protein is dispensable for the systemic infection

Olsper, Allan; Kamsol, Kristjan; Sarmiento Guerin, Maria Cecilia; Gerassimenko, Jelena; Truve, Erkki Virology journal 2014 / art. 19, 10 p. : ill <https://doi.org/10.1186/1743-422X-11-19> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cocksfoot mottle virus coat protein is dispensable for the systemic infection and suppresses RNA silencing

Olsper, Allan; Kamsol, Kristjan; Gerassimenko, Jelena; Truve, Erkki; Sarmiento Guerin, Maria Cecilia Green viruses, from gene to landscape : Embo workshop : 7-11 September 2013, Hyères-les-Palmiers, France : programme and abstracts book 2013 / p. 86 <https://pubmed.ncbi.nlm.nih.gov/24495467/>

Cocksfoot mottle virus Px protein localises into the plasma membrane [Online resource]

Kamsol, Kristjan; Olsper, Allan; Truve, Erkki Environmental adaptation : from molecules to the planet : the Estonian Centre of Excellence in Environmental Adaptation ENVIRON. Final conference : October 1-3, 2015, Dorpat Conference Centre, Tartu, Estonia : abstract book 2015 / p. 35 http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf

Genomic organization and gene functions of sobemoviruses

Meier, Merike; Sarmiento Guerin, Maria Cecilia; Olsper, Allan; Paves, Heiti; Truve, Erkki XIV International Congress of Virology : Istanbul, 10-15 August, 2008 2008 / p. 213-214

Identification of a novel member of 2H phosphoesterases, 2',5'-oligoadenylate degrading ribonuclease from the oyster Crassostrea gigas

Lopp, Annika; Reintamm, Tõnu; Kuusksalu, Anne; Olsper, Allan; Kelve, Merike Biochimie 2019 / p. 181-195 : ill <https://doi.org/10.1016/j.biochi.2018.09.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mass-spectrometric analysis of sobemovirus VPg-s reveals an unusual diversity and a novel chemical bond between RNA and a protein

Olsper, Allan; Uffert, Gabriela; Kamsol, Kristjan; Peil, Lauri; Truve, Erkki Green viruses, from gene to landscape : Embo workshop : 7-11 September 2013, Hyères-les-Palmiers, France : programme and abstracts book 2013 / p. 47

Mass-spectrometric analysis of sobemoviruses reveals a novel chemical bond between RNA and a protein

Olsper, Allan; Peil, Lauri; Truve, Erkki FESPB-EPSO Plant Biology Congress : Freiburg, 29 July - 3 Aug. 2012 2012 / p. 715

Mass-spectrometric analysis of sobemoviruses reveals a novel chemical bond between RNA and a protein

Olsper, Allan; Peil, Lauri; Truve, Erkki 10th International Congress on Plant Molecular Biology : Jeju, October 21-26, 2012 2012 <https://www.etis.ee/Portal/Publications/Display/421bdd53-9f44-4166-8907-466d8c130f62>

Minimal set of genes required for sobemovirus replication

Olsper, Allan; Kamsol, Kristjan; Nummert, Grete; Sarmiento Guerin, Maria Cecilia; Sõmera, Merike; Truve, Erkki VI Baltic Genetics Congress : September 30 - October 3, 2015, Institute of Molecular and Cell Biology, Tartu, Estonia : book of abstracts 2015 / 1 p

Mutational analysis of the Potyviridae transcriptional slippage site utilized for expression of the P3N-PIPO and P1N-PISPO proteins

Olsper, Allan; Carr, John P.; Firth, Andrew E. Nucleic acids research 2016 / p. 7618-7629 : ill <http://dx.doi.org/10.1093/nar/gkw441>

New plant vectors for protein tagging with E2 Epitope

Nigul, Lenne; Olsper, Allan; Meier, Merike; Paves, Heiti; Talpsep, Tiit; Truve, Erkki Plant molecular biology reporter 2004 / 4, p. 399-407 : ill <https://link.springer.com/article/10.1007/BF02772682>

P1 protein of Cocksfoot mottle virus is indispensable for the systemic spread of the virus

Meier, Merike; Paves, Heiti; Olsper, Allan; Tamm, Tiina; Truve, Erkki Virus genes 2006 / 3, p. 321-326
<https://link.springer.com/article/10.1007/s11262-005-6917-x>

Propensity of a picornavirus polymerase to slip on potyvirus-derived transcriptional slippage sites

Stewart, Hazel; **Olsper, Allan**; Butt, Benjamin G.; Firth, Andrew E. Journal of general virology 2019 / p. 199-205 : ill
<https://doi.org/10.1099/jgv.0.001189> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at Scopus](#)

Properties of VPg and coat protein of sobemoviruses = Sobemoviiruste VPg ja kattevalgu omadused

Olsper, Allan 2011 https://www.ester.ee/record=b2733154*est

Protein-RNA linkage and posttranslational modifications of feline calicivirus and murine norovirus VPg proteins

Olsper, Allan; Hosmillo, Myra; Chaudhry, Yasmin; Peil, Lauri; **Truve, Erkki**; Goodfellow, Ian PeerJ 2016 / p. 1-14 : ill
<https://doi.org/10.7717/peerj.2134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Protein-RNA linkage and post-translational modifications of two sobemovirus VPgs

Olsper, Allan; Peil, Lauri; Hebrard, Eugénie; Fargette, Denis; **Truve, Erkki** Journal of general virology 2011 / p. 445-452 : ill
<https://www.microbiologyresearch.org/content/journal/jgv/10.1099/vir.0.026476-0>

Sobemovirus

Meier, Merike; Olsper, Allan; Sarmiento Guerin, Maria Cecilia; Truve, Erkki Encyclopedia of virology, Third edition 2008 / p. 644-652 : ill

Sobemovirus RNA linked to VPg over a threonine residue

Olsper, Allan; Arike, Liisa; Peil, Lauri; Truve, Erkki FEBS letters 2011 / p. 2979-2985 : ill <https://pubmed.ncbi.nlm.nih.gov/21855544/>

Sobemovirus virulence protein VPg is a phosphoprotein

Olsper, Allan; Hebrard, Eugénie; Uffert, Gabriela; **Kamsol, Kristjan**; Peil, Lauri; Fargette, Denis; **Truve, Erkki** EMBO Workshop "Genomic approaches to interactions between plant viruses, their hosts and their vectors" : Fenestrelle, June 12-16 2010 / p. P32

Sobemoviruses as a target for dsRNA-based vaccination in monocots

Olsper, Allan; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia; Truve, Erkki COST FA0806 WGs meeting: Plant virus control employing RNA-based vaccines: a novel nontransgenic strategy : [Abstract Book] : Helsinki, Finland, September 11-12, 2009 2009 / p. 21

Sobemoviruses possess a common genome organization and a highly modified VPg protein

Olsper, Allan; Meier, Merike; Peil, Lauri; **Truve, Erkki** Genetic Control of Plant Pathogenic Viruses and their Vectors : towards new Resistance Strategies : El Puerto de Santa Maria, 23-27 November 2008 2008 / p. 35

Stem-loop structure of Cocksfoot mottle virus RNA is indispensable for programmed -1 ribosomal frameshifting

Tamm, Tiina; **Suurväli, Jaanus**; Lucchesi, Jimmy; **Olsper, Allan; Truve, Erkki** Virus research 2009 / 1/2, p. 73-80 : ill

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Turnip Mosaic Virus Transcriptional Slippage Dynamics and Distribution in RNA Subpopulations

Kärblane, Kairi; Olsper, Allan; Firth, Andrew E. Molecular plant-microbe interactions 2022 / p. 835-844 : ill
<https://doi.org/10.1094/MPMI-03-22-0060-R> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)