

### **Analysis of polyprotein P2a C-terminal part of cocksfoot mottle sobemovirus [Online resource]**

**Uffert, Gabriela; Sõmera, Merike; 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. 61 [http://environ.emu.ee/userfiles/environ/Abstract\\_Book\\_ENVIRON%20final%20conference%202015.pdf](http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf)

### **Characterization of the complete genome of oat sterile dwarf virus : a fijivirus occurring in the temperate climate zone of Europe**

**Oja, Tatjana;** Sooväli, Pille; Sõmera, Merike Archives of virology 2023 / art. 259 <https://doi.org/10.1007/s00705-023-05890-8> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **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/>

### **Complete nucleotide sequence of Solanum nodiflorum mottle virus**

**Sõmera, Merike; Truve, Erkki** Archives of virology 2017 / p. 1731-1736 : ill <https://doi.org/10.1007/s00705-017-3273-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Corrigendum: A survey using high-throughput sequencing suggests that the diversity of cereal and barley yellow dwarf viruses is underestimated (Front. Microbiol., (2021), 12, (673218), 10.3389/fmicb.2021.673218)**

**Sõmera, Merike;** Massart, Sébastien; Tamisier, Lucie; Sooväli, Pille; Sathees, Kanitha; Kvarnheden, Anders Frontiers in microbiology 2021 / art. 772637, 2 p <https://doi.org/10.3389/fmicb.2021.772637> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Detection of single nucleotide polymorphisms in virus genomes assembled from high-throughput sequencing data: large-scale performance testing of sequence analysis strategies**

Rollin, Johan; Bester, Rachelle; Brostaux, Yves; Caglayan, Kadriye; De Jonghe, Kris; Eichmeier, Ales; Foucart, Yoika; Haegeman, Annelies; Koloniuk, Igor; Kominek, Petr; Maree, Hans; Onder, Serkan; Posada Cespedes, Susana; Roubi, Wahid; Šafarova, Dana; Schumpp, Olivier; Ulubas Serce, Cigdem; **Sõmera, Merike;** Tamisier, Lucie; Vainio, Eeva; van der Vlugt, Rene AA; Massart, Sébastien PeerJ 2023 / art. e15816 <https://doi.org/10.7717/peerj.15816> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Eesti teadlane seletab – mida teadus üldse uuest koroonaviirusest teab?**

**Sõmera, Merike** Postimees : [Tartu versioon] 2020 / 3 lk [Eesti teadlane seletab – mida teadus üldse uuest koroonaviirusest teab?](#)

### **Eesti teraviljadel esinevad viirushaigused**

Sooväli, Pille; **Sõmera, Merike** Agronomiam 2020 = Agronomy 2020 2020 / lk. 202-210 : tab <http://hdl.handle.net/10492/5600>

### **An epigenetic alphabet of crop adaptation to climate change : review article**

Guarino, Francesco; Cicutelli, Angela; Castiglione, Stefano; Agius, Dolores R.; Orhun, Gul Ebru; Fragkostefanakis, Sotirios; Leclercq, Julie; Dobranszki, Judit; **Sõmera, Merike; Sarmiento Guerin, Maria Cecilia** Frontiers in Genetics 2022 / art. 818727 <https://doi.org/10.3389/fgene.2022.818727> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **First report of Brome mosaic virus in wheat in Estonia**

**Sõmera, Merike; Gantsovski, Mark; Truve, Erkki;** Sooväli, Pille Plant disease 2016 / p. 2175 <https://doi.org/10.1094/PDIS-04-16-0426-PDN> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **First report of Cocksfoot mottle virus infecting wheat in Estonia**

**Sõmera, Merike;** Sooväli, Pille New disease reports 2023 / art. e12206 <https://doi.org/10.1002/ndr2.12206> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **First report of Hosta virus X infecting hosta plants in Ukraine**

Shchetynina, A.; Budzaniwska, I.; Pereboychuk, O.; **Sõmera, Merike; Truve, Erkki** Acta virologica 2017 / p. 498-499 [https://doi.org/10.4149/av\\_2017\\_415](https://doi.org/10.4149/av_2017_415) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **First report of wheat dwarf virus in winter wheat in Estonia**

**Sõmera, Merike; Truve, Erkki; Sooväli, Pille** Plant disease 2019 / p. 1797 <https://doi.org/10.1094/PDIS-11-18-2059-PDN> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The genome organization of lucerne transient streak and turnip rosette sobemoviruses revisited**

**Sõmera, Merike; Truve, Erkki** Archives of virology 2013 / p. 673-678 : ill <https://doi.org/10.1007/s00705-012-1519-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **ICTV Virus Taxonomy Profile : Solemoviridae 2021**

**Sõmera, Merike;** Fargette, Denis; Hebrard, Eugénie; **Sarmiento Guerin, Maria Cecilia** Journal of General Virology 2021 / art.

### **Improving abiotic stress tolerance of forage grasses - prospects of using genome editing**

**Sustek-Sanchez, Ferenz;** Rognli, Odd Arne; Rostoks, Nils; **Sömera, Merike;** Jaškune, Kristina; Kovi, Mallikarjuna Rao; Statkevičiute, Gražina; **Sarmiento Guerin, Maria Cecilia** *Frontiers in plant science* 2023 / art. 1127532

<https://doi.org/10.3389/fpls.2023.1127532> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Minimal set of genes required for sobemovirus replication**

Olsper, Allan; **Kamsol, Kristjan;** **Nummert, Grete;** **Sarmiento Guerin, Maria Cecilia;** **Sömera, 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

### **Overview on sobemoviruses and a proposal for the creation of the family sobemoviridae**

**Sömera, Merike;** **Sarmiento Guerin, Maria Cecilia;** **Truve, Erkki** *Viruses* 2015 / p. 3076-3115 : ill <http://dx.doi.org/10.3390/v7062761>

### **P1-independent replication and local movement of Rice yellow mottle virus in host and non-host plant species**

**Nummert, Grete;** **Sömera, Merike;** **Uffert, Gabriela;** **Abner, Erik;** **Truve, Erkki** *Virology* 2017 / p. 28-32 : ill

<https://doi.org/10.1016/j.virol.2016.12.007> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Phylogenetic insight into ABCE gene subfamily in plants**

**Jakobson, Liina;** **Möttus, Jelena;** Suurväli, Jaanus; **Sömera, Merike;** **Tarassova, Jemilia;** Nigul, Lenne; Smolander, Olli-Pekka Aukusti; **Sarmiento Guerin, Maria Cecilia** *Frontiers in Genetics* 2024 / art. 1408665 <https://doi.org/10.3389/fgene.2024.1408665>

### **Polyprotein processing of Cocksfoot mottle sobemovirus**

**Uffert, Gabriela;** **Sömera, Merike;** **Söber, Kärt;** **Kivisaar, Kätlin;** **Nummert, Grete;** **Valmsen, Karin;** **Truve, Erkki** *International Union of Microbiological Societies Congresses : July 27 - August 1, 2014 : IUMS 2014 : abstracts 2014* / p. 211

### **Revisiting the origins of the Sobemovirus genus: A case for ancient origins of plant viruses**

Ghafari, Mahan; **Sömera, Merike;** **Sarmiento Guerin, Maria Cecilia;** Niehl, Annette; Hebrard, Eugenie; Tsoleridis, Theocharis; Ball, Jonathan; Moury, Benoit; Lemey, Philippe; Katzourakis, Aris; Fargette, Denis *PLoS Pathogens* 2024 / art. e1011911

<https://doi.org/10.1371/journal.ppat.1011911>

### **Rottboellia yellow mottle virus is a distinct species within the genus Sobemovirus**

**Sömera, Merike;** **Truve, Erkki** *Archives of virology* 2015 / p. 857-863 : ill

### **Rottboellia yellow mottle virus is a distinct species within the genus Sobemovirus**

**Sömera, Merike;** **Truve, Erkki** *International Union of Microbiological Societies Congresses : July 27 - August 1, 2014 : IUMS 2014 : abstracts 2014* / p. 785

### **Sequencing and biological characterization of historical cynosurus mottle virus isolates from Germany**

**Frei, Martin;** **Sarmiento Guerin, Maria Cecilia;** **Kärblane, Kairi;** Niehl, Annette; **Sömera, Merike** *Archives of virology* 2023 / art. 265 <https://doi.org/10.1007/s00705-023-05893-5> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Sixty years after the first description : genome sequence and biological characterization of European wheat striate mosaic virus infecting cereal crops**

**Sömera, Merike;** Kvamheden, Anders; Desbiez, Cecile; Sooväli, Pille; **Gantsovski, Mark;** **Truve, Erkki** *Phytopathology* 2020 / p. 68-79 <https://doi.org/10.1094/PHYTO-07-19-0258-FI> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Sobemoviruses as a target for dsRNA-based vaccination in monocots**

**Olsper, Allan;** **Sömera, 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: genomic organization, potential for recombination and necessity of P1 in systemic infection = Sobemovirused: genoomi organisatsioon, rekombinatsioonipotentsiaal ja valgu P1 vajalikkus süsteemseks infektsiooniks**

**Sömera, Merike** 2010 [https://www.ester.ee/record=b2561127\\*est](https://www.ester.ee/record=b2561127*est)

### **Solemoviruses (Solemoviridae)**

**Sarmiento Guerin, Maria Cecilia;** **Sömera, Merike;** **Truve, Erkki** *Encyclopedia of Virology, 4th edition* 2021 / p. 712-718 <https://www.elsevier.com/books/encyclopedia-of-virology/bamford/978-0-12-814515-9>

### **A survey using high-throughput sequencing suggests that the diversity of cereal and barley yellow dwarf viruses is underestimated**

**Sömera, Merike;** Massart, Sebastien; Tamisier, Lucie; **Sooväli, Pille;** Sathees, Kanitha *Frontiers in microbiology* 2021 / art. 673218 <https://doi.org/10.3389/fmicb.2021.673218> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Taimeviiruste ja taimede kaitsemehhanismide uurimine : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile**

**Truve, Erkki; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia** Tallinna Tehnikaülikooli aastaraamat 2009 2010 / lk. 193-198

**Teaduspreemia põllumajandusteaduste alal uurimuste tsükli "Taimeviiruste ja taimede kaitsemehhanismide uurimine" eest : Erkki Truve (kollektiivi juht), Merike Sõmera, Cecilia Sarmiento**

**Truve, Erkki; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia** Eesti Vabariigi teaduspreemiad 2009 / lk. 128-137 : fot

**Viruses of poaceae in Estonia identified by using the next generation sequencing [Online resource]**

**Sõmera, Merike; Gantsovski, Mark; Akkermann, Anna; Aun, Erki; 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. 56

[http://environ.emu.ee/userfiles/environ/Abstract\\_Book\\_ENVIRON%20final%20conference%202015.pdf](http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf)