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Virus Transmission Through Pollen | SpringerLink 11.06.2020 · Introduction Although the evolution of RNA

viruses has been most thoroughly studied in animal systems, in recent years plant viruses have gained a more prominent place in the field. Plant viruses have been used as model systems for virus evolution [1] because of the obvious advantage of using plants as hosts: no animal system can provide

Seed Transmission of Plant Viruses - ScienceDirect Viruses: Molecular Biology, Host Interactions, and Applications to Biotechnology provides an up-to-date introduction to human, animal and plant viruses within the context of recent advances in high-throughput sequencing that have demonstrated that viruses are vastly greater and more diverse than previously recognized. It covers discoveries such as the Mimivirus and its ...

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Plant immunity against viruses: antiviral immune receptors Numerous studies are conducted recently, which employed the use of NGS techniques to analyze already known plant viruses or discover novel plant viruses using a reference-guided or de novo-based strategy (Candresse et al., 2014; De Souza et al., 2013; Giampetruzzi et al., 2012; Kreuze et al., 2009, 2013; Loconsole et al., 2012a, 2012b; Marais et al., 2015; Navarro et al., 2009; Seguin ...

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Emerging Viral Diseases - Elsevier 09.06.2017 · Plant viruses 1. Infectious pathogens Too small to be seen with a light microscope The simplest viruses are composed of 1. A small piece of nucleic acid 2. Surrounded by a protein coat Obligate parasites that depend on the cellular machinery of their hosts Not active outside of their hosts Organisms including animals, plants, fungi, and bacteria are hosts for viruses, but ...

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Taxonomic reorganization of family Partitiviridae and Organisms that cause infectious disease include fungi, oomycetes, bacteria, viruses, viroids, virus-like organisms, phytoplasmas, protozoa, nematodes and parasitic plants. Plant pathology profits from advances in any one of these sciences, and many advances in other sciences have been made in attempts to solve plant pathological problems.

(PDF) Structure and Classification of Viruses 25.09.2021 · Analysis of the genome sequence of the

flowering plant Arabidopsis thaliana. Nature. 2000 Dec 14;408(6814):796-815. CrossRef Google Scholar. 52. Adams MD, Celniker SE, Holt RA, Evans CA, Gocayne JD, Amanatides PG, et al. The genome sequence of Drosophila melanogaster. Science. 2000 Mar 24;287(5461):2185-95. PubMed CrossRef PubMedCentral ...

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Plant-produced antigen displaying virus-like particles Plant genomics researchers aim to study the genetic compositions, structures, organizations, functions, and genetic connections of an entire plant genome through sequencing and characterization. More recently, plant genomics associated technologies have significantly improved, in addition to their reduced costs, and new approaches such gene editing have ...

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10.1016/S1369-5274(03)00087-0 - DeepDyve Stable Introduction of Plant-Virus-Inhibiting Wolbachia into

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Principles of Molecular Virology, 6th (2015) SEED TRANSMISSION OF PLANT VIRUSES 225 According to Ford (19661, pea streak virus occurs in immature seeds of infected pea plants, but is inactivated as the seeds mature. When immature seeds were germinated the virus was transmitted to 8 of 27 seedlings; no transmission was obtained through mature seeds.

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