Tammi Camilla Vesth - DTU Orbit (07/02/2019)

Tammi Camilla Vesth
Department of Biotechnology and Biomedicine

Postal address:
Søltofts Plads
Bygning 221
DK-2800
Kgs. Lyngby
Denmark
Email: tcve@bio.dtu.dk

Research outputs:

Linking secondary metabolites to gene clusters through genome sequencing of six diverse Aspergillus species
Research output: Research - peer-review › Journal article – Annual report year: 2018

Friends and foes - comparative genomics of 23 Aspergillus Flavi species
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Friends and Foes - Comparative Genomics of 23 Aspergillus Flavi Species
Research output: Research - peer-review › Poster – Annual report year: 2018

Immense diversity found in secondary metabolite gene clusters in filamentous fungi and bacteria using comparative genomics
Research output: Research - peer-review › Poster – Annual report year: 2018

Investigation of inter- and intraspecies variation through genome sequencing of Aspergillus section Nigri
Research output: Research - peer-review › Journal article – Annual report year: 2018

Novofumigatonin biosynthesis involves a non-heme iron-dependent endoperoxide isomerase for orthoester formation
Research output: Research - peer-review › Journal article – Annual report year: 2018

The AspMine - Comparative genomics analysis of 6 new species of Aspergillus section Sparsi, Ochraceorosei, Tanneri and Robusti
Research output: Research - peer-review › Poster – Annual report year: 2018

The gold-standard genome of Aspergillus niger NRRL 3 enables a detailed view of the diversity of sugar catabolism in fungi
Research output: Research - peer-review › Journal article – Annual report year: 2018

Uncovering secondary metabolite evolution and biosynthesis using gene cluster networks and genetic dereplication
Research output: Research - peer-review › Journal article – Annual report year: 2018

Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus Aspergillus
Research output: Research - peer-review › Journal article – Annual report year: 2017

Expansions and reductions in fungal primary metabolism studied across 100 fungal species
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Genetic diversity of 100+ Aspergillus species - the aspMine analysis resource
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017
Genetic diversity of 100+ Aspergillus species: The aspMine analysis resource
Research output: Research - peer-review › Poster – Annual report year: 2018

Genus level analysis of secondary metabolism reveals the origin of Aspergillus hybrid NRPS-PKS gene clusters
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Identifying more than 300 Biosynthetic Gene Clusters with Potential Resistance Genes in over 75 Aspergillus species using Resistance Gene-Guided Genome Mining
Research output: Research - peer-review › Poster – Annual report year: 2018

What drives speciation? Examination into the evolutionary events of more than 100 Aspergillus species
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Approaches for Comparative Genomics in Aspergillus and Penicillium
Research output: Research - peer-review › Book chapter – Annual report year: 2016

aspMine - online comparative analysis of species from the Aspergillus genus
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Co-evolution of secondary metabolite gene clusters and their host
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Comparative genomics of four Aspergillus species with focus on identification of specific secondary metabolite gene clusters
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

FunGeneClusterS: Predicting fungal gene clusters from genome and transcriptome data
Research output: Research - peer-review › Journal article – Annual report year: 2016

How Aspergilli rearrange secondary metabolic gene clusters to generate new compounds
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Ortholog identification in genera of high genetic diversity and evolution
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Ortholog prediction of the Aspergillus genus applicable for synthetic biology
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Phylogenomic analysis of secondary metabolism genes sheds light on their evolution in Aspergilli
Research output: Research - peer-review › Poster – Annual report year: 2016

Speciation over 200 million years – What makes an Aspergillus species
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

The Aspergillus Mine - publishing bioinformatics.
Research output: Research - peer-review › Poster – Annual report year: 2016

Diversity of carbohydrate metabolism in species of Aspergillus
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015
Gene cluster dynamics throughout the *Aspergillus* genus
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Genome mining of the genetic diversity in the *Aspergillus* genus - from a collection of more than 30 *Aspergillus* species
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Determining and comparing protein function in Bacterial genome sequences
Research output: Research › Ph.D. thesis – Annual report year: 2014

*Amino Acid Usage Is Asymmetrically Biased in AT- and GC-Rich Microbial Genomes.*
Research output: Research - peer-review › Journal article – Annual report year: 2013

CMG-Biotools, a Free Workbench for Basic Comparative Microbial Genomics.
Research output: Research - peer-review › Journal article – Annual report year: 2013

*Veillonella, Firmicutes: Microbes disguised as Gram negatives*
Research output: Research - peer-review › Journal article – Annual report year: 2013

Bayesian prediction of bacterial growth temperature range based on genome sequences
Research output: Research - peer-review › Conference article – Annual report year: 2012

From Genome Sequence to Taxonomy - A Skeptic’s View
Research output: Research - peer-review › Book chapter – Annual report year: 2012

On the Origins of a *Vibrio* species
Research output: Research - peer-review › Journal article – Annual report year: 2010

Genomic taxonomy of vibrios
Research output: Research - peer-review › Journal article – Annual report year: 2009

Projects:

*Genome mining of species of Aspergillus and Penicillium for elucidation of the diversity and potential of carbohydrate degrading enzymes*
Project: PhD

*Genome reduction of a filamentous fungus*
Project: PhD

*Genus-scale analysis of genre cluster evolution in fungi*
Project: PhD

*Genus-level studies of gene dynamics for the Aspergillus genus*
Project: PhD

*Genus-level studies of genome dynamics for the Aspergillus genus*
Project: PhD

*Novel methods for assignment of protein function*
Project: PhD
17th European Conference on Computational Biology  
Activity: Attending an event › Participating in or organising a conference

Annual Danish Bioinformatics Conference 2018, Elixir  
Activity: Attending an event › Participating in or organising a conference

Wellcome Genome Campus Advanced Course: Fungal Pathogen Genomics, 13-18 May 2018  
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Joint Genome Institute User Meeting 13  
Activity: Attending an event › Participating in or organising a conference

14th European Conference on Fungal Genetics  
Activity: Attending an event › Participating in or organising a conference

Comparative genomics of eukaryotic microbes: Dissecting sources of evolutionary diversity  
Activity: Attending an event › Participating in or organising a conference

Annual Danish Bioinformatics Conference 2017  
Activity: Attending an event › Participating in or organising a conference

ETALEE 2017  
Activity: Attending an event › Participating in or organising a conference

Joint Genome Institute User Meeting 12  
Activity: Attending an event › Participating in or organising a conference

29th Fungal Genetics Conference  
Activity: Attending an event › Participating in or organising a conference

aspMine - online comparative analysis of species from the Aspergillus genus  
Activity: Talks and presentations › Conference presentations

Comparative genomics and gene cluster identification in 28 species of Aspergillus section Nigri.  
Activity: Talks and presentations › Conference presentations