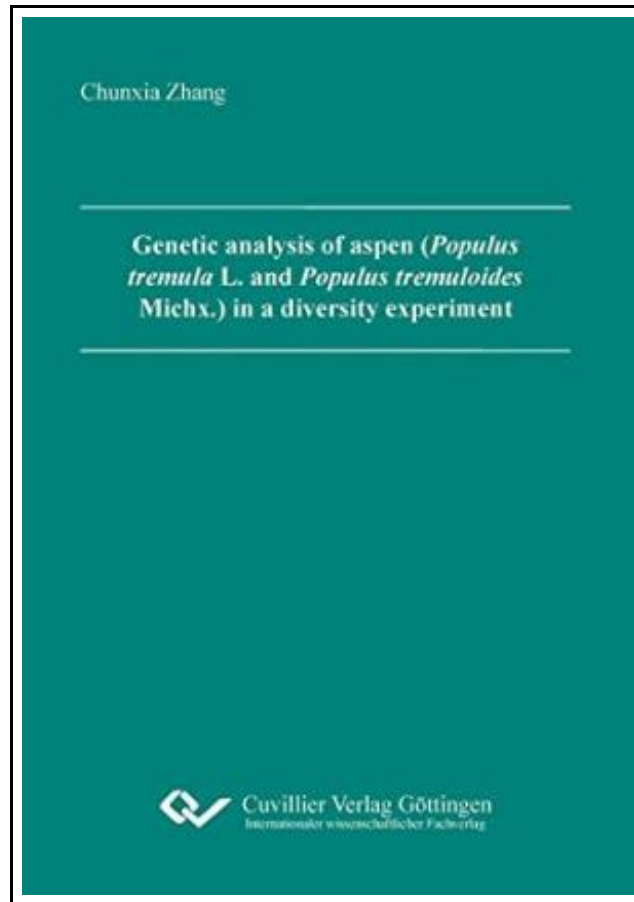


Genetic analysis of aspen (*Populus tremula* L. and *Populus tremuloides* Michx.) in a diversity experiment



Filesize: 2.34 MB

Reviews

*If you need to adding benefit, a must buy book. it absolutely was writtern extremely perfectly and beneficial. You are going to like the way the blogger compose this publication.
(Orlando Abernathy)*

GENETIC ANALYSIS OF ASPEN (POPULUS TREMULA L. AND POPULUS TREMULOIDES MICHX.) IN A DIVERSITY EXPERIMENT

DOWNLOAD



To read **Genetic analysis of aspen (Populus tremula L. and Populus tremuloides Michx.) in a diversity experiment** eBook, you should refer to the button below and download the ebook or gain access to additional information which are highly relevant to GENETIC ANALYSIS OF ASPEN (POPULUS TREMULA L. AND POPULUS TREMULOIDES MICHX.) IN A DIVERSITY EXPERIMENT ebook.

Cuvillier Verlag Aug 2012, 2012. Taschenbuch. Book Condition: Neu. 208x149x9 mm. Neuware - Poplars are model tree species in ecological and genetic studies since they are widely distributed, easy to propagate, and since more genetic and genomic resources are available for poplars than for any other woody plant genus. The poplar diversity experiment (POPDIV) has been established with European and North American aspen (*Populus tremula* L., *P. tremuloides* Michx.) planted in plots representing either a single deme only or combinations of two, four and eight demes in order to test the influence of intraspecific genetic diversity on ecosystem functions and services. In the present study, the most commonly used molecular markers, SSRs (simple sequence repeats) and AFLPs (amplified fragment length polymorphisms), were applied to conduct the genetic analysis of the POPDIV experiment. Both markers identified clonal structures in one Swedish deme and these clones are non-randomly distributed in the POPDIV experimental field. Large differences with regard to the genetic diversity within aspen demes were observed. The genetic diversity estimates based on SSR and AFLP markers showed a high correlation. The North American *P. tremuloides* deme had the highest level of genetic diversity; most private alleles both at SSRs and AFLPs were also observed in this deme which confirmed that it represents another species different from the European *P. tremula*. An analysis of molecular variance (AMOVA) revealed that most of the total genetic diversity was found within demes by both SSR and AFLP markers, but the genetic differentiation among demes was also high. Pairwise F_{ST} values between demes showed highly significant differentiation at both SSRs and AFLPs. As expected, the *P. tremuloides* deme was strongly differentiated from the other *P. tremula* demes. UPGMA dendrograms based on genetic distances obtained from both markers showed that the North American *P. tremuloides* deme is...

 [Read Genetic analysis of aspen \(Populus tremula L. and Populus tremuloides Michx.\) in a diversity experiment Online](#)

 [Download PDF Genetic analysis of aspen \(Populus tremula L. and Populus tremuloides Michx.\) in a diversity experiment](#)

 [Download ePub Genetic analysis of aspen \(Populus tremula L. and Populus tremuloides Michx.\) in a diversity experiment](#)

Other Books



[PDF] Psychologisches Testverfahren

Click the hyperlink listed below to download and read "Psychologisches Testverfahren" document.

[Read Document »](#)



[PDF] Programming in D

Click the hyperlink listed below to download and read "Programming in D" document.

[Read Document »](#)



[PDF] You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most

Click the hyperlink listed below to download and read "You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most" document.

[Read Document »](#)



[PDF] The Java Tutorial (3rd Edition)

Click the hyperlink listed below to download and read "The Java Tutorial (3rd Edition)" document.

[Read Document »](#)



[PDF] Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book (Paperback)

Click the hyperlink listed below to download and read "Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book (Paperback)" document.

[Read Document »](#)



[PDF] Adobe Indesign CS/Cs2 Breakthroughs

Click the hyperlink listed below to download and read "Adobe Indesign CS/Cs2 Breakthroughs" document.

[Read Document »](#)



[PDF] The Right Kind of Pride: A Chronicle of Character, Caregiving and Community (Paperback)

Access the hyperlink beneath to get "The Right Kind of Pride: A Chronicle of Character, Caregiving and Community (Paperback)" file.

[Save Document »](#)



[PDF] Pastorate D Ete: Study Score (Paperback)

Access the hyperlink beneath to get "Pastorate D Ete: Study Score (Paperback)" file.

[Save Document »](#)



[PDF] The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)

Access the hyperlink beneath to get "The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)" file.

[Save Document »](#)



[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Sing Song (Hardback)

Access the hyperlink beneath to get "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Sing Song (Hardback)" file.

[Save Document »](#)



[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Craig Saves the Day (Hardback)

Access the hyperlink beneath to get "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Craig Saves the Day (Hardback)" file.

[Save Document »](#)



[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Backpack (Hardback)

Access the hyperlink beneath to get "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Backpack (Hardback)" file.

[Save Document »](#)