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## Poster Session 2 – Taxonomy Genetics

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### **83 A phylogenetic study on Anatolian endemic *Dryomys laniger* (*Mammalia: Rodentia*) to determine an in-situ conservation area**

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*Dryomys laniger* is an endemic rodent living in Turkey. It distributes along Taurus Mountain range and Anatolian diagonal mountain range between Antalya and Erzurum in Turkey. The main distribution range in these areas extends from about 1,500 meters up to 3,000 m a.s.l. in rocky habitats. In this study we aimed to offer suitable areas for potential in-situ conservation areas for the species by investigating cytb genetic diversity along with distribution areas. We collected 31 samples from 6 localities between 2015 and 2017. According to results, we expanded the distribution area of the species by determining some new distribution areas. We used the cytb gene region to find out genetic diversity and to draw a phylogenetic tree. According to the phylogenetic tree there are two main clades in Turkey. There are geographical barriers between clades which cut gene flow between the clades. On the other hand, we found that gene flow continues within clades. It might be pointed out that populations in Turkey would be divided into two different subspecies for the taxa. So, we offer two different areas to protect each of the subspecies.

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Jens Jacob, Jana Eccard (Editors)

6<sup>th</sup> International Conference of Rodent  
Biology and Management  
and  
16<sup>th</sup> Rodens et Spatium

Potsdam, Germany, 3-7 September 2018

Book of Abstracts



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Bundesforschungsinstitut für Kulturpflanzen

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