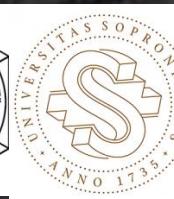
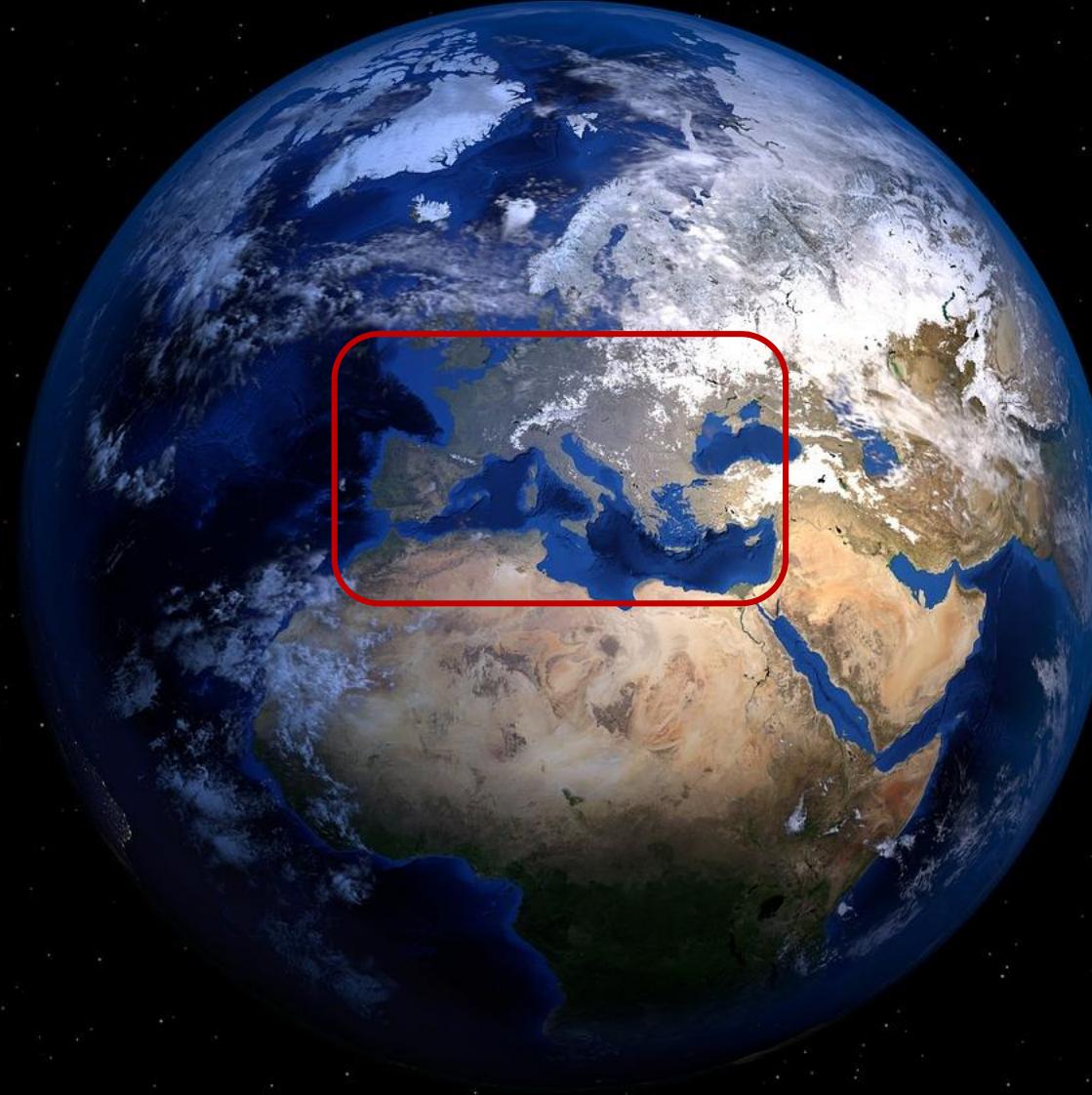




L. Iacolina, A. Rezić, T. Safner,  
H. Ambarli, F. Bego, A. Farkas,  
D. Gačić, V. Maletić, G. Markov,  
D. Milošević, H. Papaioannou,  
E. Bužan, N. Šprem

# The Balkan chamois, an archipelago or a peninsula?





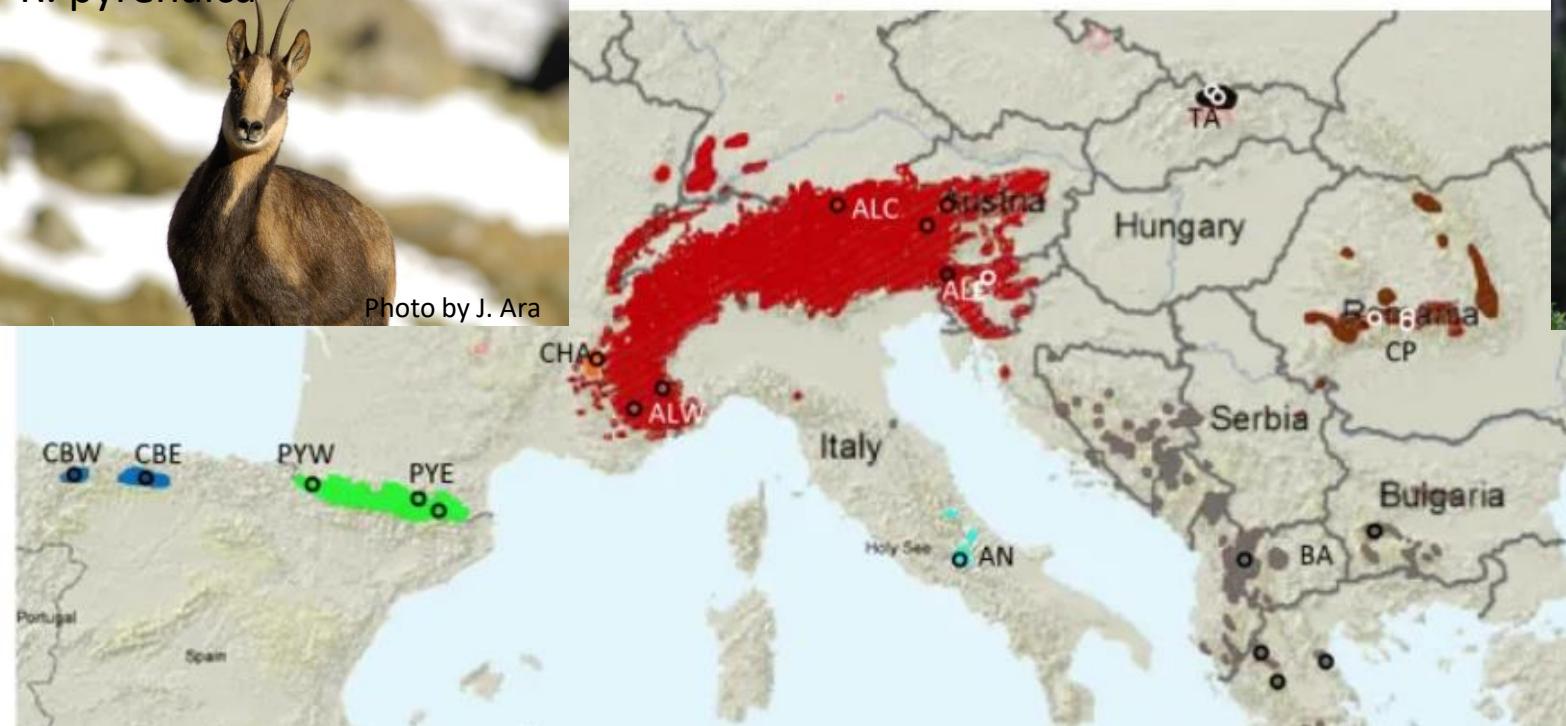


# Genus Rupicapra



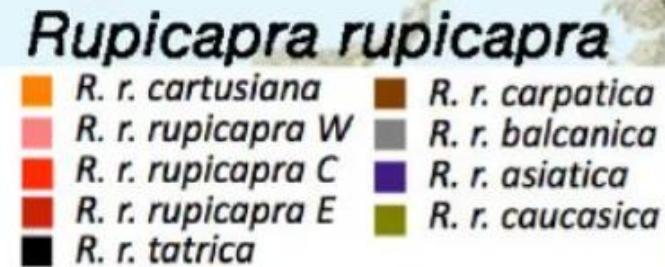
R. pyrenaica

Photo by J. Ara



## *Rupicapra pyrenaica*

-  *R. p. parva*  
 *R. p. pyrenaica*  
 *R. p. ornata*



## *Rupicapra rupicapra*

- 

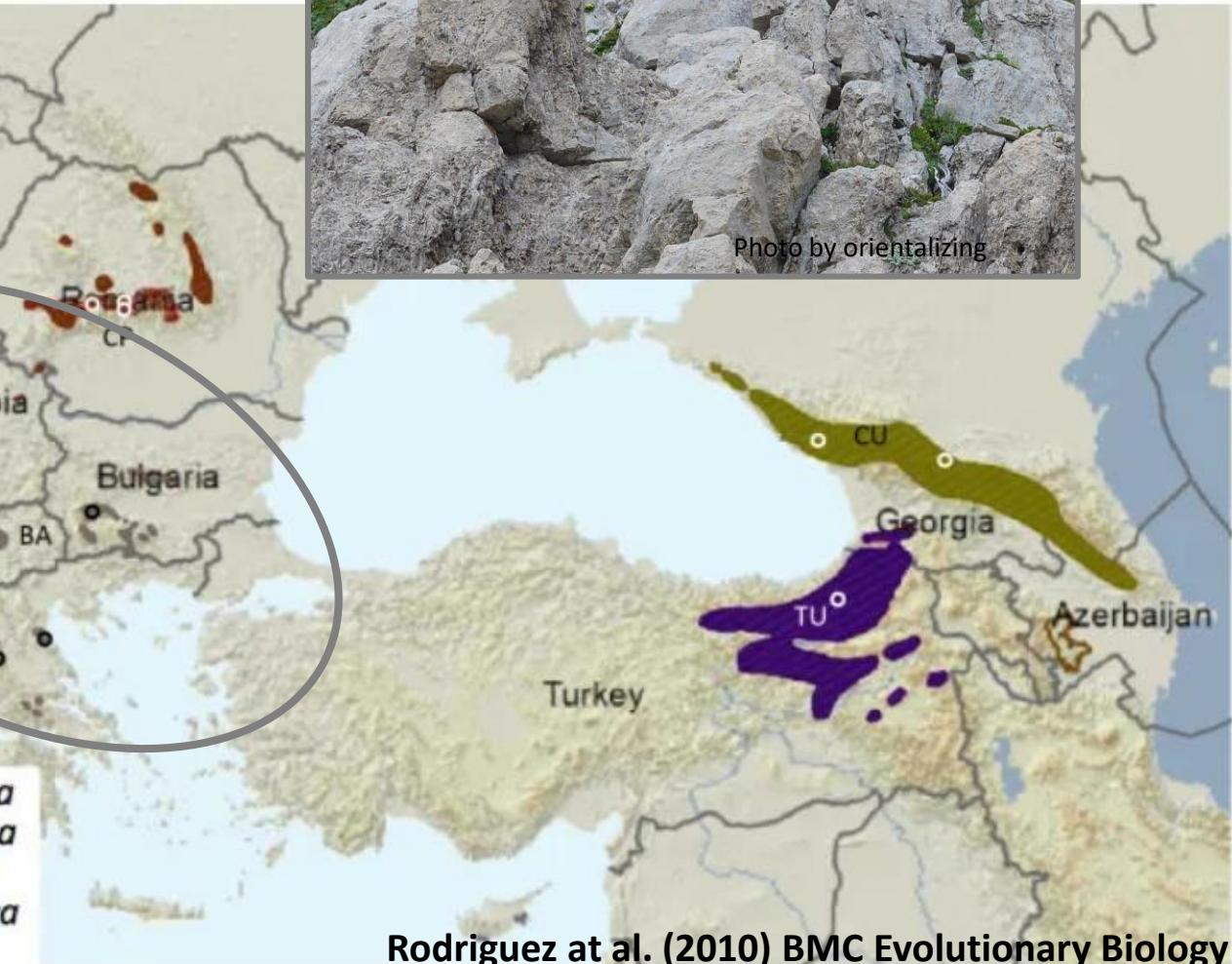
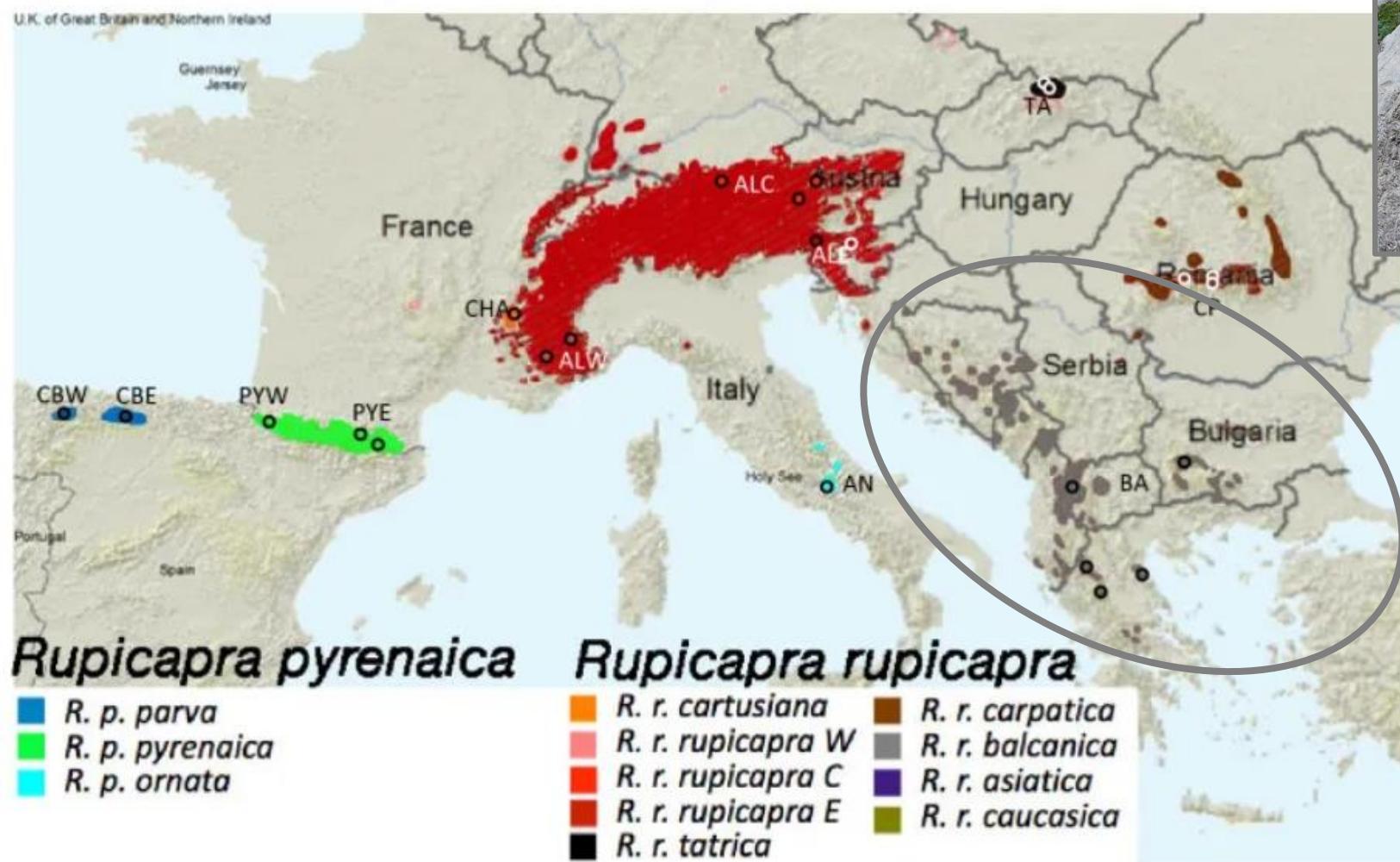


R. rupicapra

Photo by J. Huffman



# *Rupicapra rupicapra balcanica*

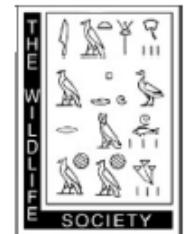


Rodriguez et al. (2010) BMC Evolutionary Biology

# Rupicapra rupicapra balcanica



The Journal of Wildlife Management; DOI: 10.1002/jwmg.21081



## Featured Article

# The Genetic Impact of Chamois Management in the Dinarides

Conserv Genet (2013) 14:401–412  
DOI 10.1007/s10592-013-0469-8

## RESEARCH ARTICLE

NIKICA ŠPREM,<sup>1</sup> Faculty of Agriculture, Department of Svetosimunska cesta 25, Zagreb 10000, Croatia

ELENA BUZAN, Science and Research Centre, Institute for

## Population genetics of chamois in the contact zone between the Alps and the Dinaric Mountains: uncovering the role of habitat fragmentation and past management

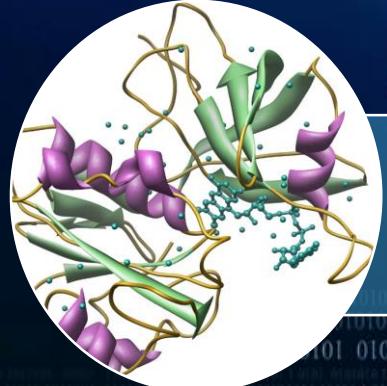
Elena V. Buzan · Josef Bryja · Barbora Zemanová · Boris Kryštufek

## Genetic variability and population structure of chamois in Greece (*Rupicapra rupicapra balcanica*)

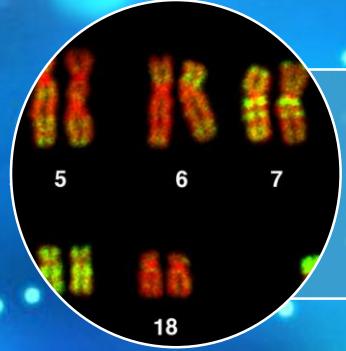
Haritakis Papaioannou<sup>2</sup> · Margarita Fernández<sup>1</sup> · Trinidad Pérez<sup>1</sup> · Ana Domínguez<sup>1</sup>

Conservation Genetics  
<https://doi.org/10.1007/s10592-019-01177-1>

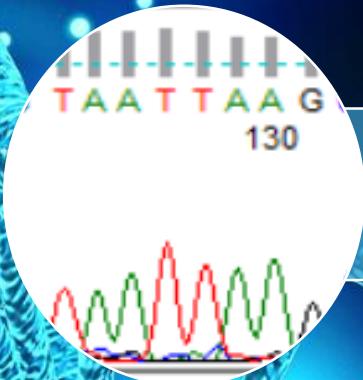
## SHORT COMMUNICATION



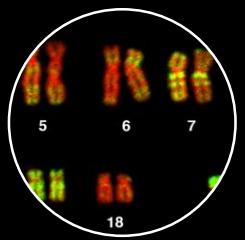
### 3. mtDNA cytb



### 1. Microsatellites



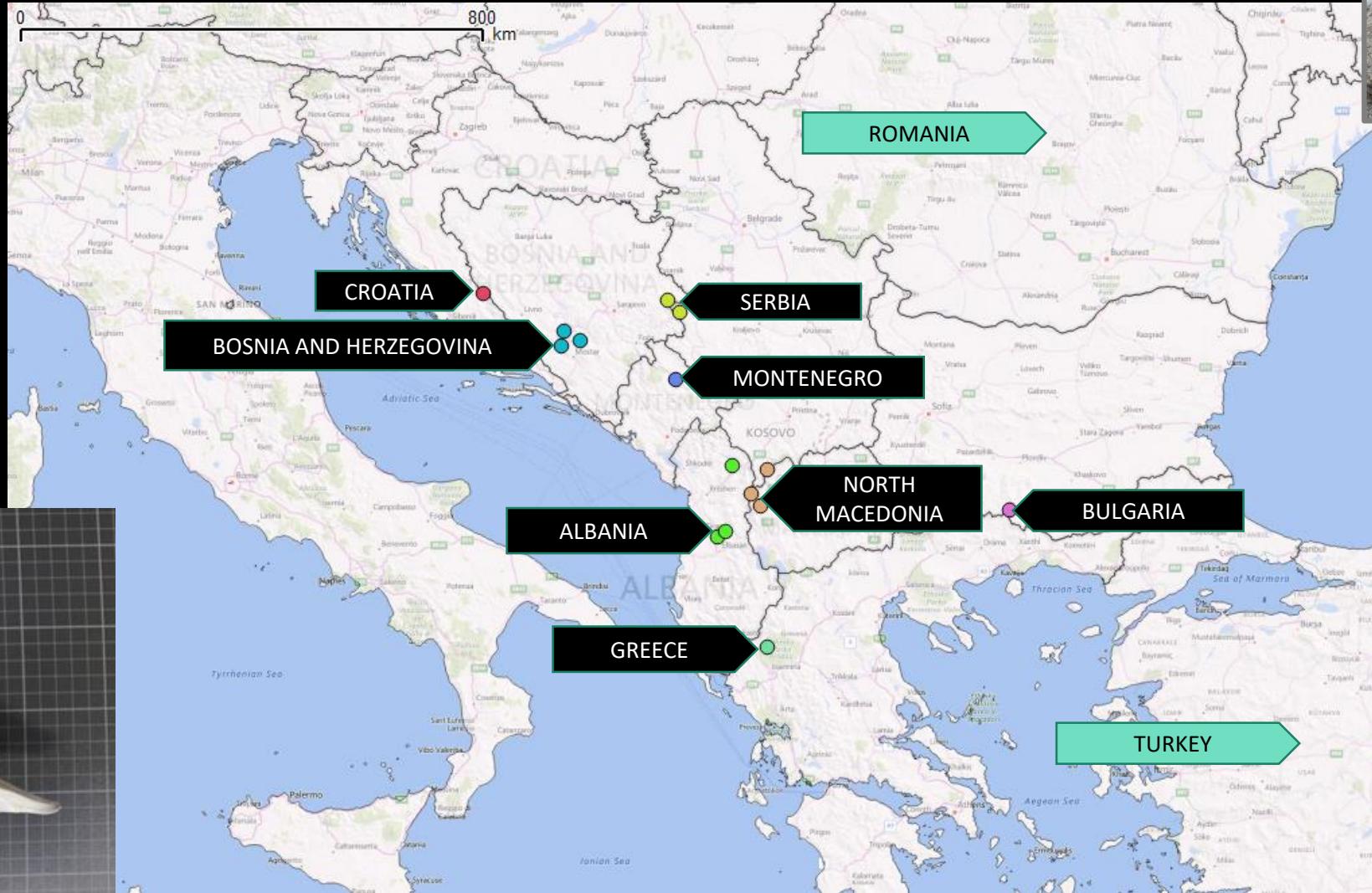
### 2. mtDNA CR

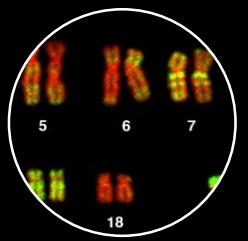


# Microsatellite analysis

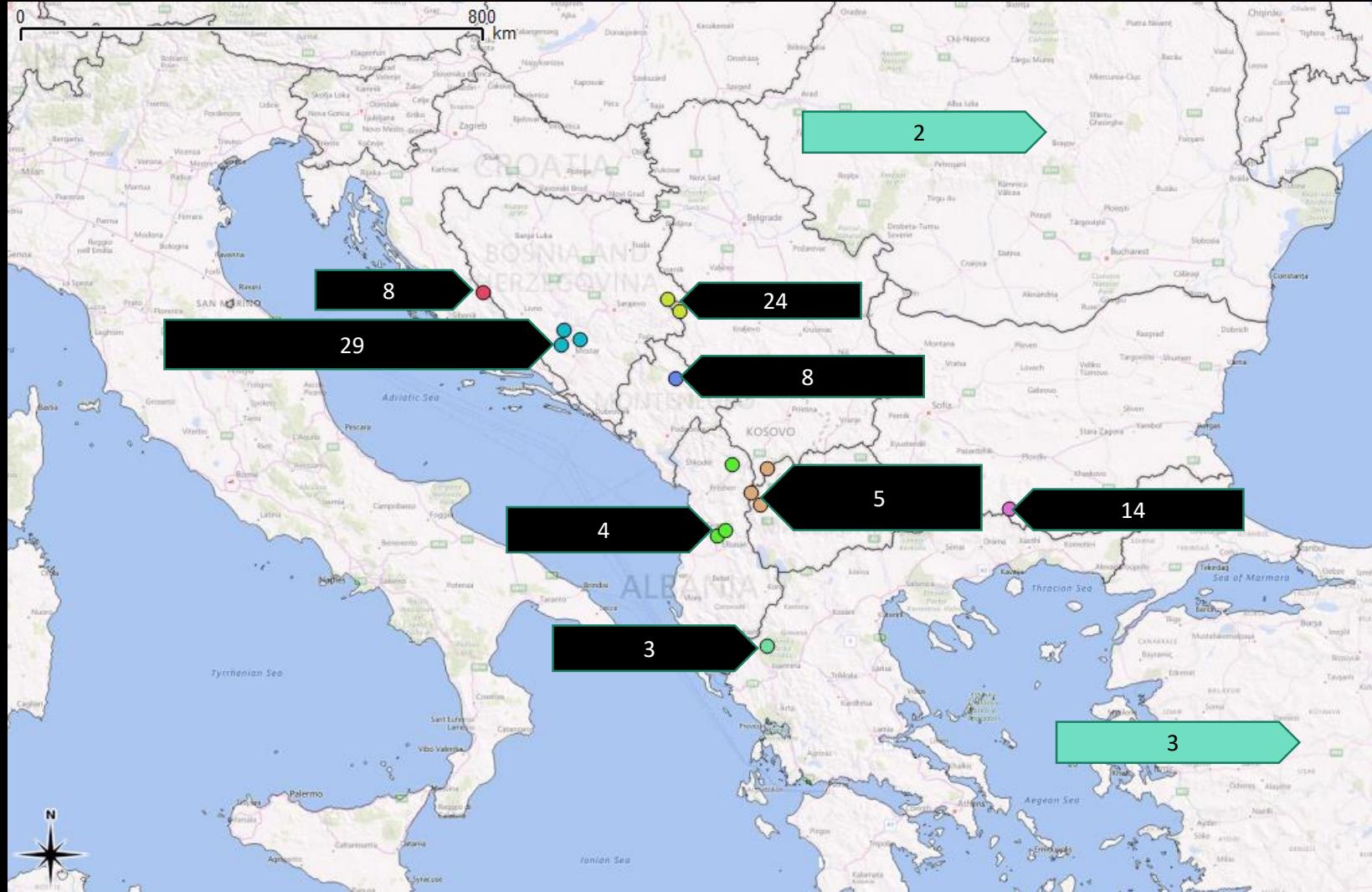


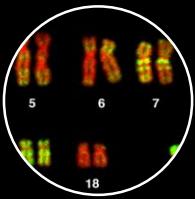
Photo by orientalizing



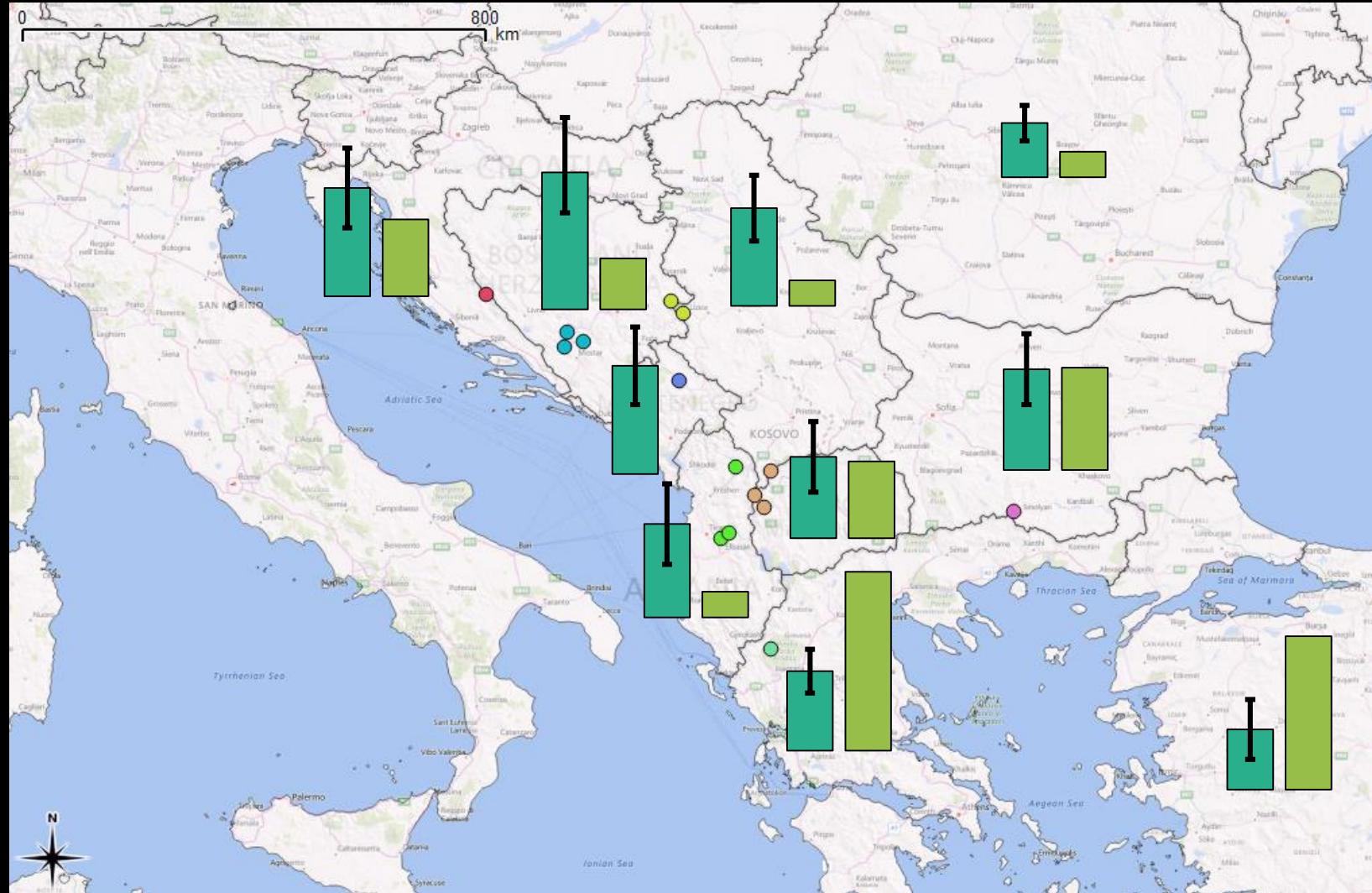


# Microsatellite analysis

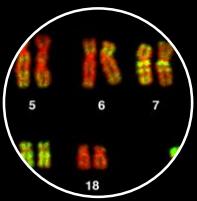




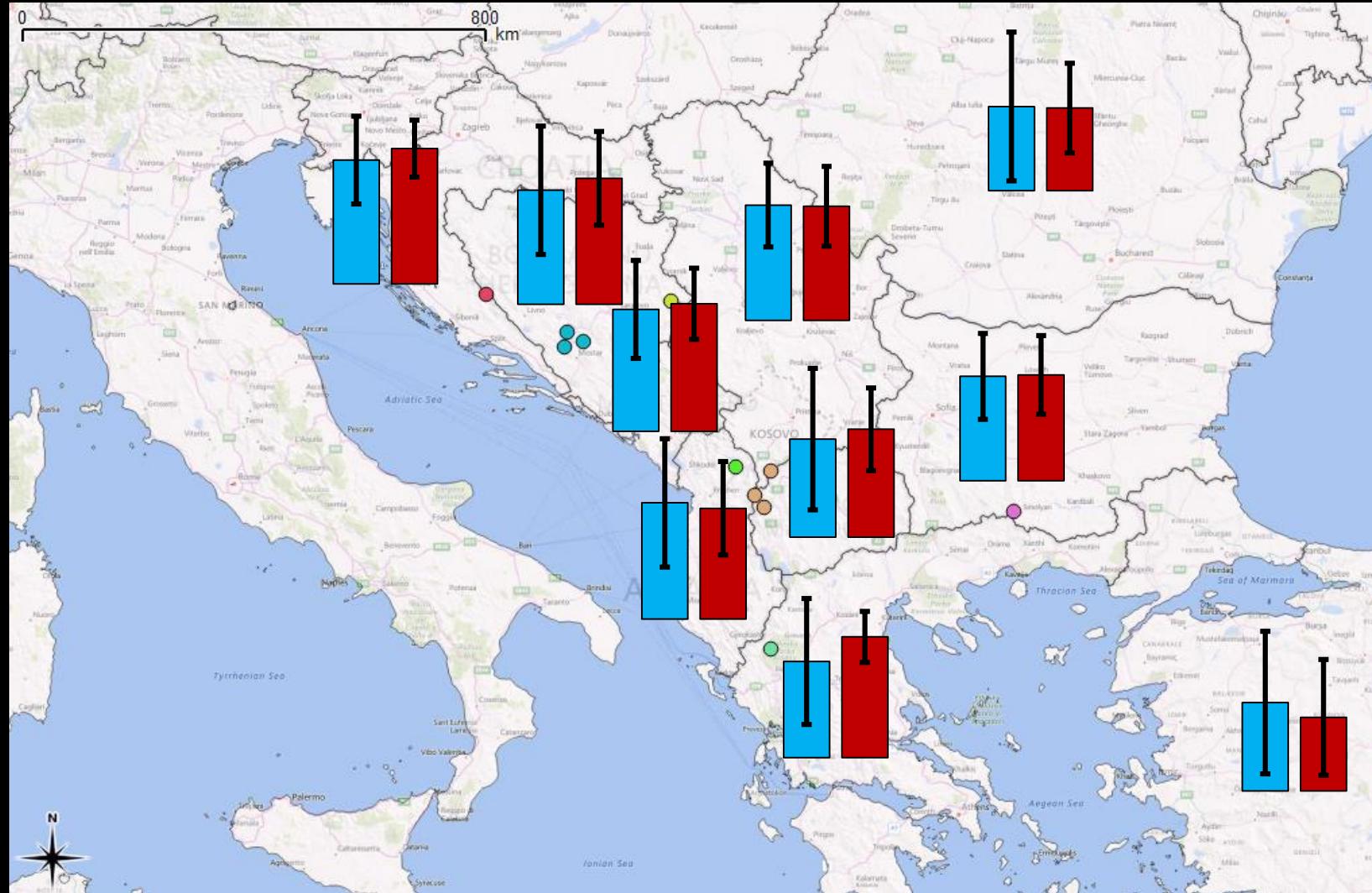
# Microsatellite analysis - variability



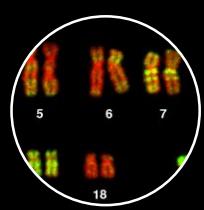
Nº Alleles ( $\pm$ SD)  
Nº Private alleles



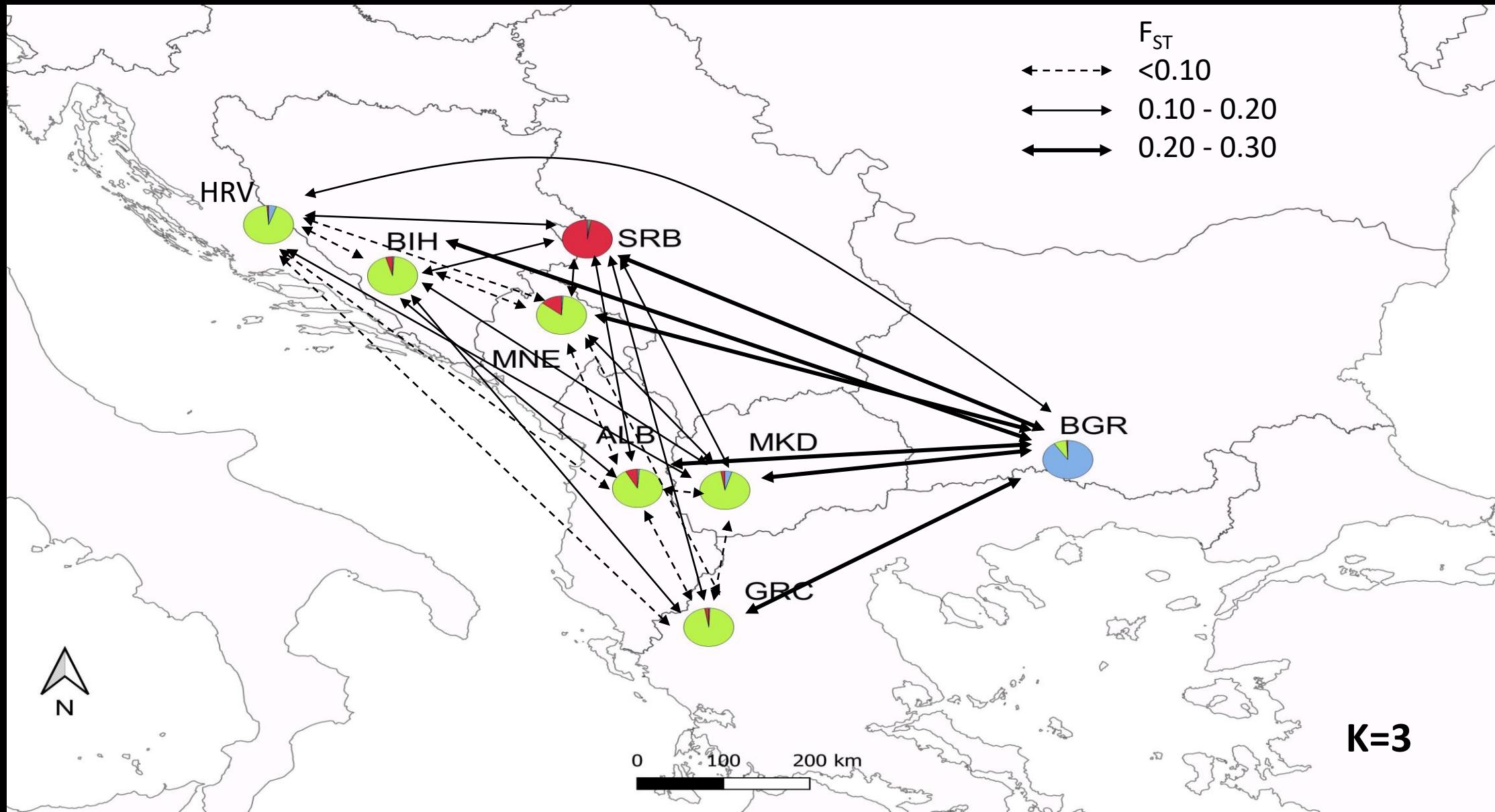
# Microsatellite analysis - variability

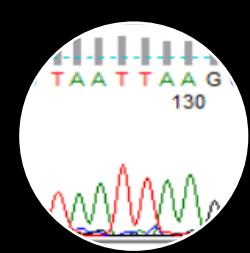


■  $H_o$  ( $\pm SD$ )  
■  $H_e$  ( $\pm SD$ )

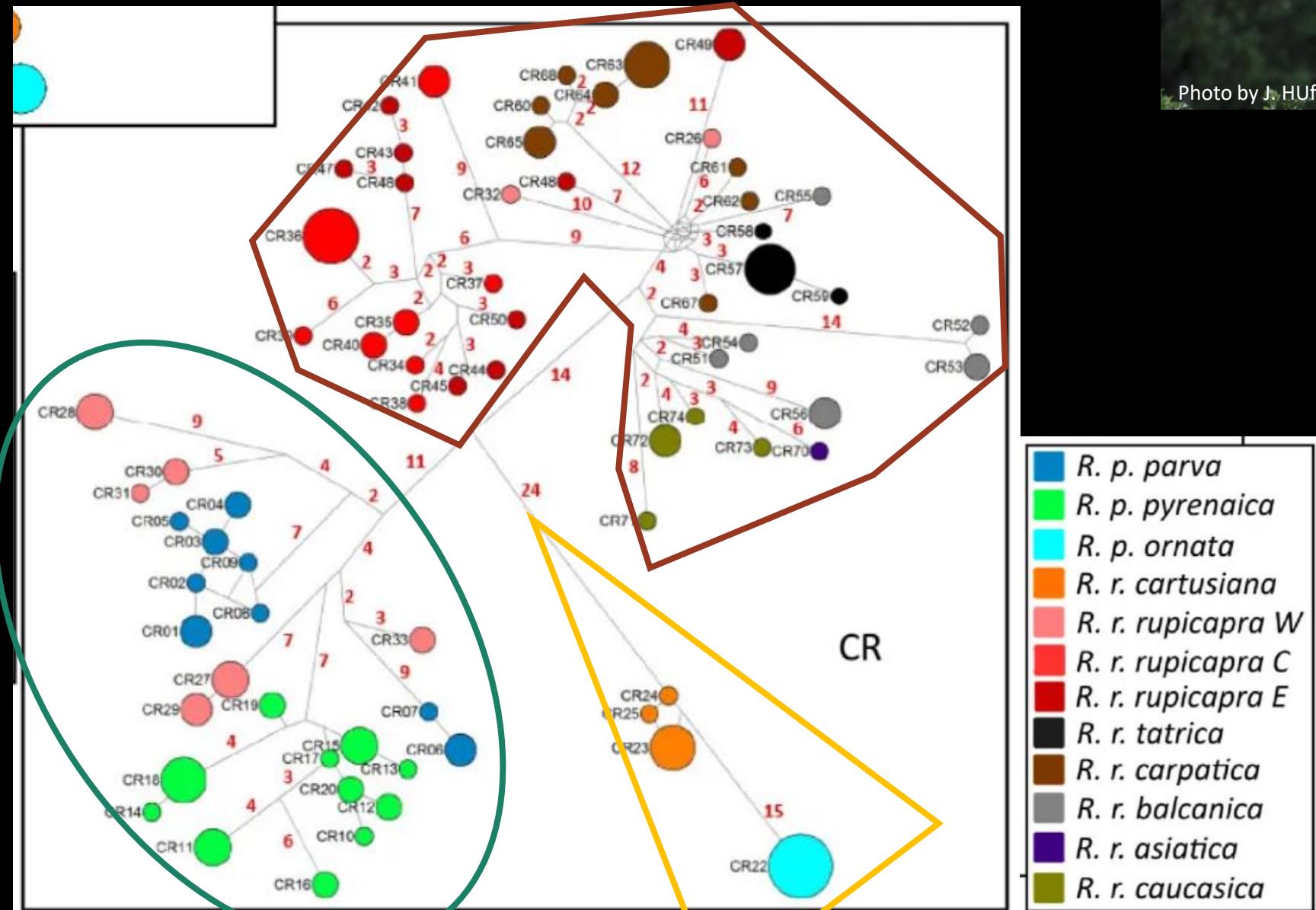


# Microsatellite analysis – Population structure

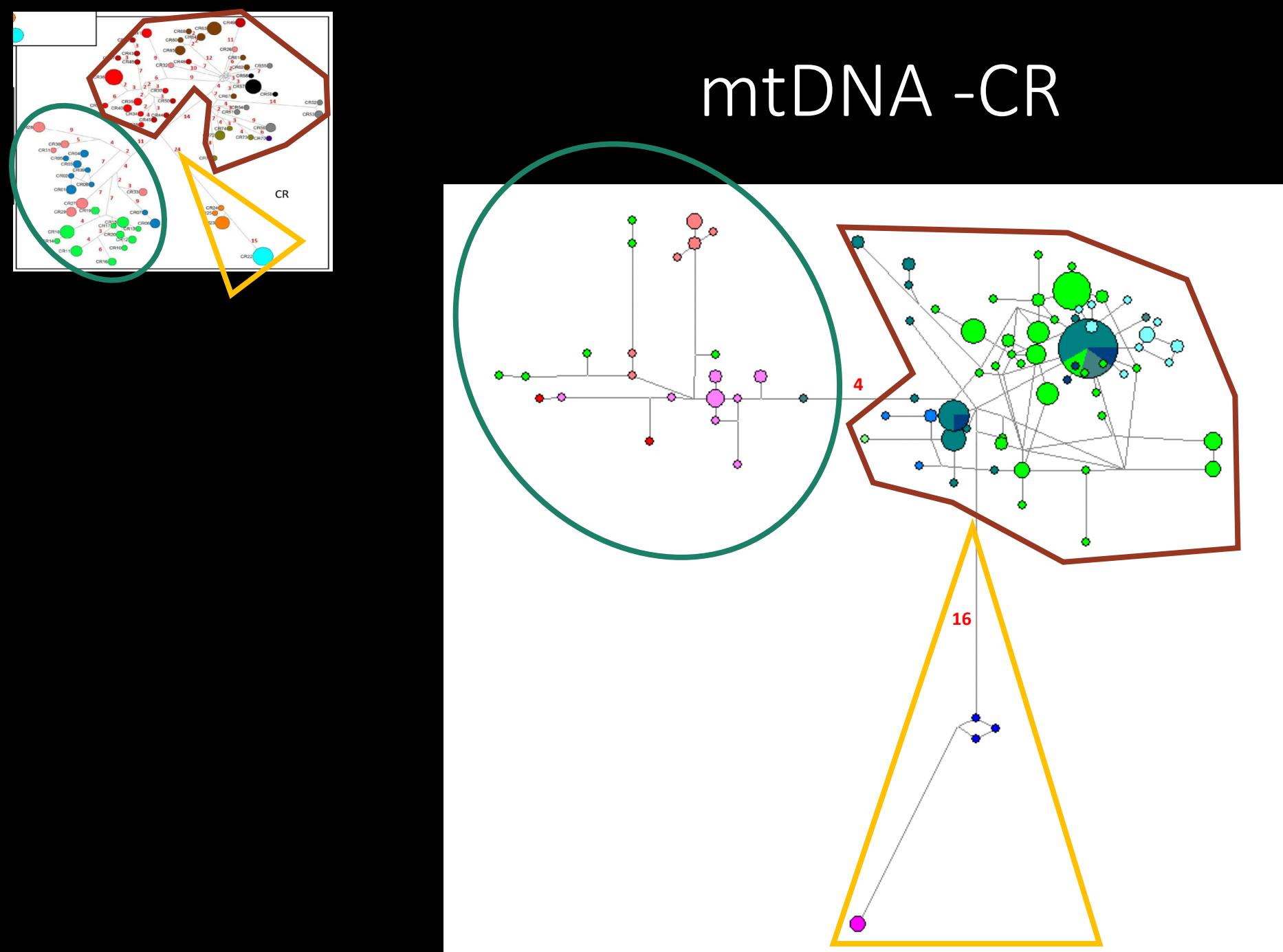


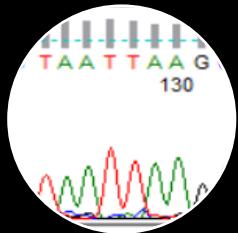


# mtDNA -CR



# mtDNA -CR

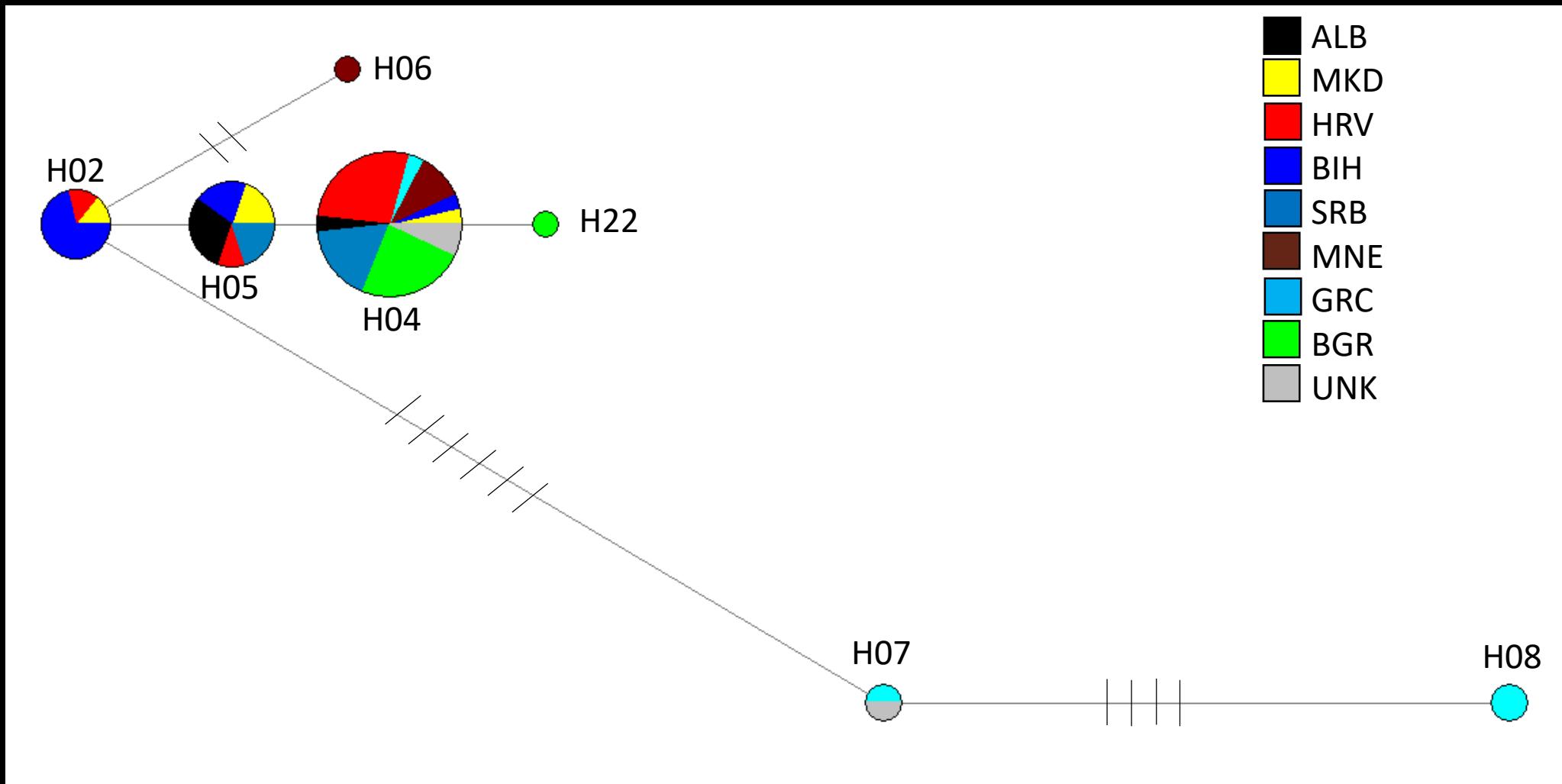


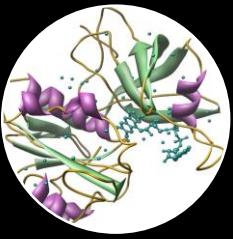


# mtDNA - CR



Photo by J. Huffman





# mtDNA - cyt b



under construction



# Conclusions



mtDNA shows past connectivity among areas

Microsatellites highlight the presence of isolated areas





**ACKNOWLEDGEMENTS**  
**DNA as evidence of distribution and**  
**vitality of endangered Balkan**  
**chamois – BalkCham**  
**IP-2016-06-5751**