

APPENDICES

LIST OF TABLES:

Tab 1	Genetic diversity within 19 populations of Fire Salamanders in the CR. N, number of genotyped individuals (Sex; F-Female, M- Male, SA- Sub-Adult, U- Unidentified); A, mean number of alleles per locus; Ho observed heterozygosity; He, expected heterozygosity; Fis, index of inbreeding; HWE, Hardy-Weinberg equilibrium; Ar, allelic richness.	25
Tab 2	Analysis of Molecular Variance (AMOVA).	25
Tab 3	Pair-wise Fst between Fire Salamander populations in the study areas.	26
Tab 4	Table of Empirical studies.	46

LIST OF FIGURES:

Fig. 1	Geographic range of <i>S. salamandra</i> by IUCN (2008).	12
Fig. 2	Elevation map with sampling localities in the vicinity of Prague.	14
Fig. 3	Observation from the Principal Coordinate Analysis; A- Represents the PCoA analysis for 19 populations (Individual-wise); B- Represents the PCoA estimation of Population-wise analysis in the respective study sites.	27
Fig. 4	Bayesian assignment Probabilities for A: K=2 and B: K=3, C: K=4, D: K=5. Figure was generated in STRUCTURE software. Each bar representing one population of Fire salamanders. 19 populations: PRGN= Prague North, PRGS= Prague South, BER= Berounsko, PBM= Příbramsko, VST (Correct UST*) = Ústecko, SAZ= Posázaví.	28
Fig. 5	Graphs represents the outcomes from the harvest software. A- represents the Delta k value= $\frac{\text{mean}[L'(K)]}{\text{sd}(L(K))}$; B- represents the rate of change of the likelihood distribution (mean); C- Represents the absolute value of the 2 nd order rate of change of the likelihood distribution; D- Represents the L(K) (mean \pm SD).	29
Fig 6.	ANOVA result : A, represents the genetic diversity between urban and rural population B, represents the genetic diversity between urban areas.	30
Fig 7.	Fire Salamanders (<i>S. salamandra</i>) in the city of Prague.	31

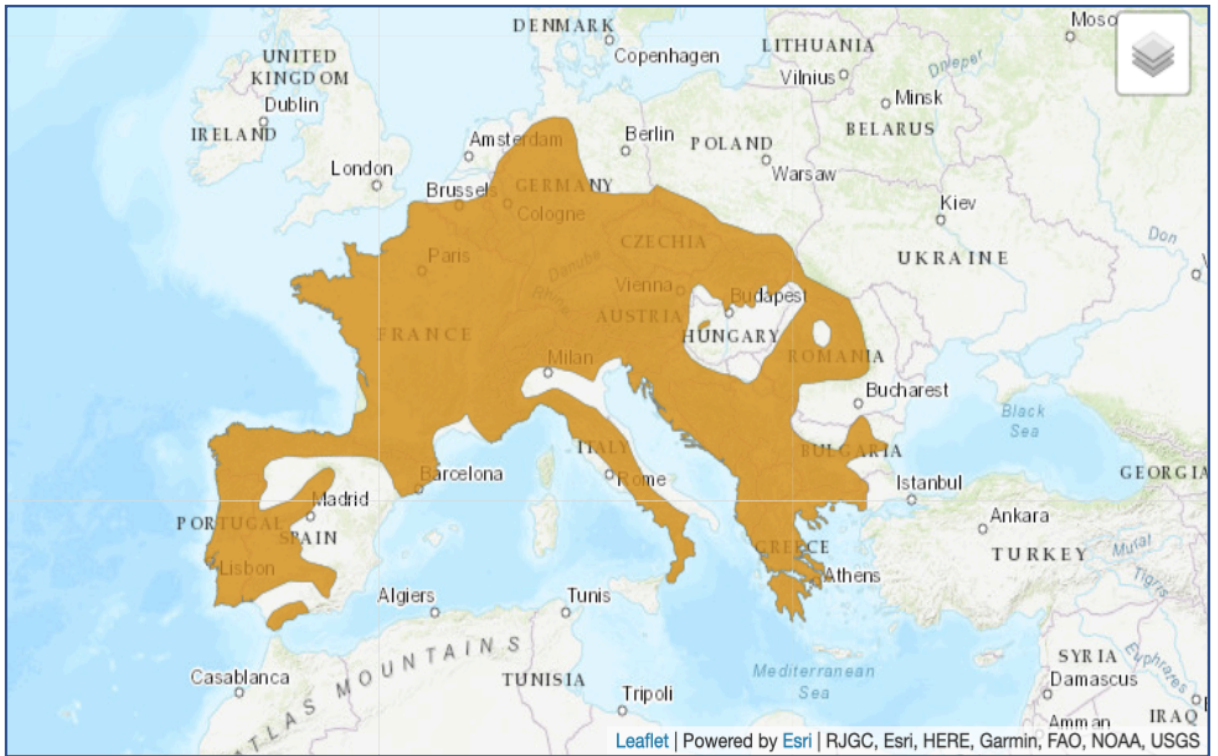


Fig. 3 Geographic range of *S. salamandra* by IUCN (2008)

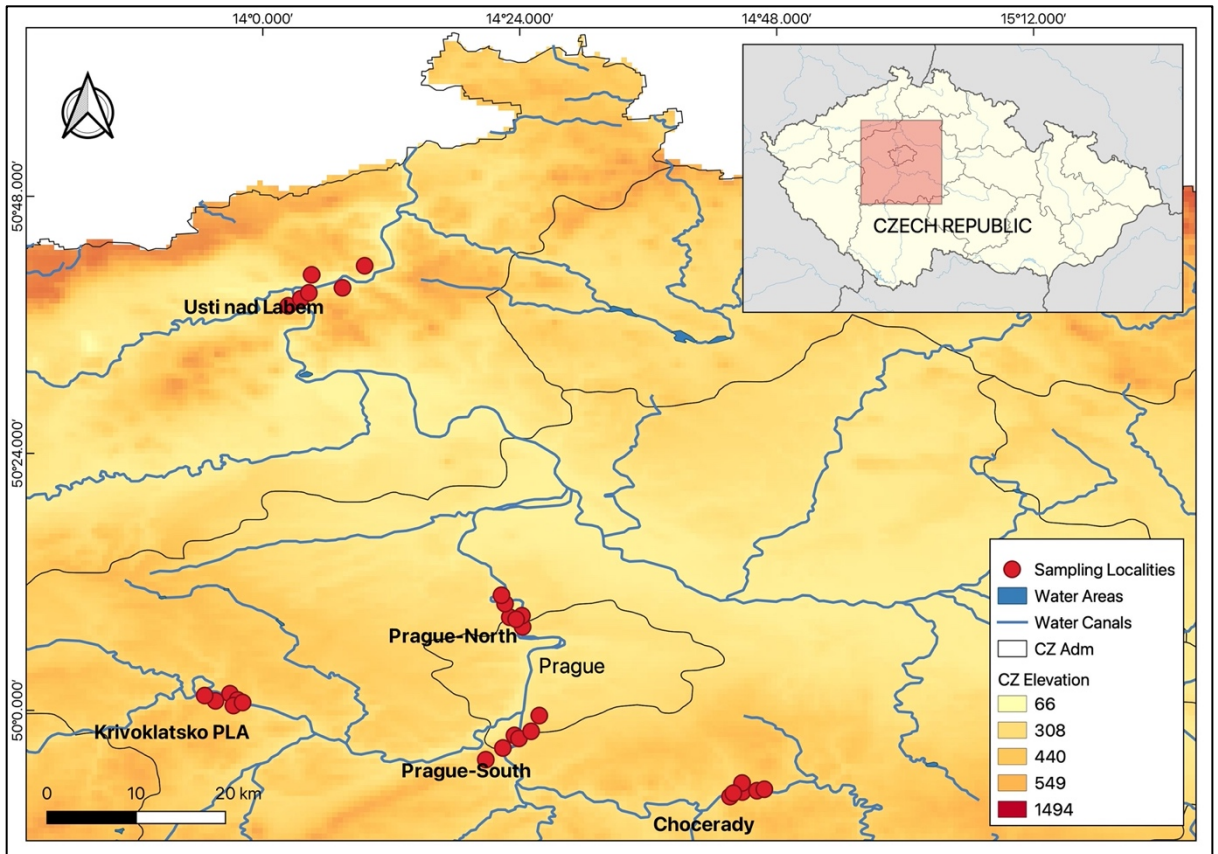


Fig. 4 Elevation map with sampling localities in the vicinity of Prague