

Prančl J., Koutecký P., Trávníček P., Jarolímová V., Lučanová M., Koutecká E. & Kaplan Z. (2018): Cytotype variation, cryptic diversity and hybridization in *Ranunculus* sect. *Batrachium* revealed by flow cytometry and chromosome numbers. – *Preslia* 90: 195–223.

Electronic Appendix 2. – Niche differentiation: input data (A); results of canonical discriminant analyses demonstrating the most informative parameters (B)

A – Input environmental parameters:

Elev = Elevation (m)

BIO1 = Annual Mean Temperature

BIO2 = Mean Diurnal Range (Mean of monthly (max temp - min temp))

BIO3 = Isothermality (BIO2/BIO7) (* 100)

BIO4 = Temperature Seasonality (standard deviation *100)

BIO5 = Max Temperature of Warmest Month

BIO6 = Min Temperature of Coldest Month

BIO7 = Temperature Annual Range (BIO5-BIO6)

BIO8 = Mean Temperature of Wettest Quarter

BIO9 = Mean Temperature of Driest Quarter

BIO10 = Mean Temperature of Warmest Quarter

BIO11 = Mean Temperature of Coldest Quarter

BIO12 = Annual Precipitation

BIO13 = Precipitation of Wettest Month

BIO14 = Precipitation of Driest Month

BIO15 = Precipitation Seasonality (Coefficient of Variation)

BIO16 = Precipitation of Wettest Quarter

BIO17 = Precipitation of Driest Quarter

BIO18 = Precipitation of Warmest Quarter

BIO19 = Precipitation of Coldest Quarter

B – Contributions of individual environmental parameters to the canonical axis in the canonical discriminant analyses for taxa couples *R. aquatilis* – *R. peltatus* and *R. trichophyllus* A – *R. trichophyllus* B; characters with the highest absolute loadings are presented in bold. Variable ‘BIO7’, a simple linear combination of ‘BIO5’ and ‘BIO6’, was excluded prior the analysis.

R. aquatilis + *R. peltatus*:

Variable	Loadings on CCA axis
Elev	-0.5589
BIO1	0.6032
BIO2	0.3210
BIO3	-0.2063
BIO4	0.5587
BIO5	0.6546
BIO6	-0.0290
BIO8	0.4558
BIO9	-0.0835
BIO10	0.6827
BIO11	0.1499
BIO12	-0.4261
BIO13	-0.3264
BIO14	-0.4533
BIO15	0.4146
BIO16	-0.3431
BIO17	-0.4676
BIO18	-0.2815
BIO19	-0.4245

R. trichophyllus – cytotypes A + B:

Variable	Loadings on CCA axis
Elev	-0.4814
BIO1	0.6840
BIO2	0.3559
BIO3	0.1856
BIO4	0.2618
BIO5	0.6339
BIO6	0.5076
BIO8	0.3161
BIO9	0.4166
BIO10	0.6532
BIO11	0.6861
BIO12	0.0979
BIO13	0.0379
BIO14	0.1301
BIO15	-0.2362
BIO16	0.0333
BIO17	0.1118
BIO18	-0.0099
BIO19	0.1169