Vojtěchová K., Kobrlová L., Schönswetter P. & Duchoslav M. (2023) Disentangling the taxonomic structure of the *Allium paniculatum* species complex in central and eastern Europe using molecular, cytogenetic and morphological tools. – Preslia 95: 119–163.

Supplementary Table S7. – Descriptive statistics of all qualitative characters studied (percentage of each category for each studied categorical variable within each group) for the taxonomic groups, including common di- and rare triploids recorded in *A. podolicum* and *A. marginatum*. Categorical characters were analysed by log-linear models (logLM). Bonferroni correction was applied additionally on raw P values and those remaining significant ($P \leq 0.003$) are indicated by boldface. LogLM were also recalculated with all triploids excluded from taxonomic groups and if any changes in significance of the tests with and without including triploids were detected, they are reported. If the main logLM test was significant, paired logLM tests were applied for each pair of taxonomic groups, using Bonferroni correction of P; different letters row-wise indicate significant differences in proportions between groups. Abbreviations of each character/category are added before the name of the respective character/category (first column).

Character	*A. fuscum*	*A. marginatum*	*A. podolicum*	*A. paniculatum*	χ^2	P
Vegetative characters						
shL: shape of transverse section of leaf	a	b	c	c	**116.75**	**<0.001**
shL_1: semicylindrical	0.0	0.0	77.8	66.7		
shL_2: compressed	0.0	56.9	22.2	33.3		
shL_3: flat	100.0	43.1	0.0	0.00		
tpB: leaf margin of the base of the 2nd uppermost leaf	a	b	b	b	25.98	0.011
tpB1: smooth margin, a narrow lining without any papillae	8.3	19.6	33.3	38.8		
tpB2: vesicular papillae homogeneously present along entire margin	12.5	45.1	16.7	27.8		
tpB3: minority verrucose, majority vesicular papillae along entire margin	12.5	13.7	5.6	0.0		
tpB4: minority vesicular, majority verrucose papillae along entire margin	16.7	7.9	16.7	5.6		
tpB5: verrucose papillae homogeneously present along entire margin	50.0	13.7	27.7	27.8		
tpC: leaf margin of the central part of the 2nd uppermost leaf	a	b	bc	c	**39.94**	**<0.001**
tpC1: smooth margin, a narrow lining without any papillae	0.0	9.8	38.9	44.5		
tpC2: vesicular papillae homogeneously present along entire margin	4.2	17.6	11.1	22.2		
tpC3: minority verrucose, majority vesicular papillae along entire margin	8.3	19.6	16.7	0.0		
tpC4: minority vesicular, majority verrucose papillae along entire margin	12.5	21.6	11.1	0.0		
tpC5: verrucose papillae homogeneously present along entire margin	75.0	31.4	22.2	33.3		
SpV: spathe valves	a	bc	c#	b#	**22.53**	**0.001**
SpV_E: erect	20.8	51.0	33.3	77.8		
SpV_D: divaricate	54.2	13.7	33.3	11.1		
SpV_R: reflexed	25.0	35.3	33.3	11.1		
Generative characters						
St: stamens	a	a	b	a	**28.78**	**<0.001**
St_In: included in perigon	0.0	0.0	44.4	0.0		
St_E: slightly exserted from perigon	100.0	100.0	55.6	100.0		
colF: colour of the filament					4.52	0.607
colF_P: pink (or pinkish)	54.2	39.2	50.0	44.4		
colF_W: white (or whitish)	45.8	52.9	50.0	55.6		
colF_Y: yellow (or yellowish)	0.0	7.9	0.0	0.00		
aAnt: anther apex					0.28	0.965
aAnt_R: rounded	100.0	98.1	100.0	100.0		
aAnt_A: apiculate	0.0	1.9	0.0	0.0		
shO: ovary shape	a	ab	ab	b		

shO_1: oblong-obovoid	0.0	7.8	0.0	0.0	25.50	0.044
shO_2: obovoid	4.2	3.9	5.6	5.6		
shO_3: cylindrical with narrowed apex	4.2	0.0	5.6	0.0		
shO_4: cylindrical	29.2	15.7	5.6	0.0		
shO_5: ellipsoid-cylindrical	45.8	70.6	66.6	94.4		
shO_6: narrowly obovoid	16.6	2.0	16.6	0.0		
papO: ovary surface	a	a	c	b	**48.66**	**<0.001**
papO_S: smooth ovary	0.0	0.0	27.8	0.0		
papO_T: upper ⅓ of ovary papillose	25.0	37.3	61.1	94.4		
papO_H: upper ½ of ovary papillose	75.0	62.7	11.1	5.6		
P: length of capsule vs. perigon length	a	b	b	b	**22.78**	**<0.001**
P_ex: capsule longer than the perigon	92.3	0.0	0.0	0.0		
P_in: capsule shorter than the perigon	7.7	100.0	100.0	100.0		
colP: perigon (tepal) background colour	a	b	c	c	**185.82**	**<0.001**
colP_W: white-whitish	0.0	90.2	0.0	0.0		
colP_P: pink-pinkish	4.2	0.0	100.0	100.0		
colP_Y: yellow-yellowish	95.8	9.8	0.0	0.0		
T: colour pattern of internal and external tepals	a	b	c	c	**33.03**	**<0.001**
T1: same (identical)	8.3	50.9	83.3	77.8		
T2: different	91.7	49.1	16.7	22.2		
T: colour present in tepals						
TY: yellow	a	b	c	c	**49.20**	**<0.001**
	70.8	5.9	0.0	0.0		
TG: green	a	a	b	b	**39.85**	**<0.001**
	66.7	62.8	11.1	0.0		
TB: brown	a	a	c	b	**88.54**	**<0.001**
	98.0	95.8	33.3	0.0		
TW: white	a	b	b	b	12.98	0.005
	79.2	100.0	100.0	100.0		
TP: pink	a	a	b	b	**119.05**	**<0.001**
	4.9	3.9	100.0	100.0		
TPurp: purple	a	b	b	ab	13.02	0.005
	95.8	60.8	66.7	83.3		

[#] When only diploids of *A. podolicum* and *A. paniculatum* were compared, no significant differences were found in paired comparison (P > 0.05). Reported only for the case of significant logLM test.