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Functional Plant Biology

Supplementary Material

Parental UV-B radiation regulates the habitat selection of clonal *Duchesnea indica* in heterogeneous light environments

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DNA methylation variation		Shannon's diversity index		Total DNA methylation level		
Environments	df	F	р	F	р	
Parent (Pa)	2	23.60	0.001	36.37	<0.001	
Offspring (Off)	1	2.45	0.168	4.26	0.085	
$Pa \times Off$	1	1.67	0.264	3	0.125	

Table S1 Effects of UV-B environment of the parent (5 and 10 μ w·cm⁻²) and light environment of the offspring ramet (ambient light *vs.* shade) on the DNA methylation variation of parental ramets.

df: degrees of freedom, values for p < 0.05 are in bold.

Parental parameters	df	F	р
Biomass ^a	2	16.82	0.003
Leaf area ^a	2	61.58	<0.001
Petiole length	2	26.53	<0.001
SPL ^a	2	193.5	<0.001

Table S2 Effects of parental UV-B environment (5 and 10 $\mu w \cdot cm^{\text{-}2}$) on the growth of parental ramets.

SPL: specific petiole length; df: degrees of freedom, values for p < 0.05 with Duncan's multiple range test are in bold. superscript a: data is performed with log transformation.

Environment		Parent (Pa)		Offspring (Off)		$Pa \times Off$			
Offspring growth parameters	df	F	р	df	F	р	df	F	р
Offspring biomass ^a	2	185.9	<0.001	1	30.71	<0.001	1	22.6	<0.001
		2						9	
Ramets number in different habitat ^a	2	49.6	<0.001	1	4.71	0.038	1	0.3	0.746
Stolon length	2	38.45	<0.001	1	5.63	0.022	1	3.7	0.033
MIL ^a	2	115.11	<0.001	1	13.51	0.001	1	12.1	<0.001
								6	
SSL ^b	2	133.9	<0.001	1	33.21	<0.001	1	3.74	0.034
		4							

Table S3 ANCOVA results for effects of parental UV-B environment (5 and 10 μ w·cm⁻²) and offspring light environment (ambient light *versus* shade) on the growth of offspring ramets.

Degrees of freedom (df), values for p < 0.05 with Duncan's multiple range test are in bold. MIL: mean internode length; SSL: specific stolon length; superscript a: data is performed with log transformation. superscript b: data is performed with sqrt root transformation.

	Biomass ^b	Branching	Ramets number	Stolon/leaf biomass		
		intensity	а	allocation ^a		
df	2	2	2	2		
F	83.38	18.32	21.62	41.59		
р	<0.001	<0.001	<0.001	<0.001		

Table S4 ANCOVA results of the effects of parental UV-B radiation environment (5 and 10 μ w·cm⁻²) on growth traits of clonal genets of *D. indica.*

SPL: specific petiole length, df: degrees of freedom, F and p values are given. Values for p < 0.05 are in bold. superscript a: data is performed with log transformation. superscript b: data is performed with sqrt root transformation.