

Table S1. Mean values and ANOVA of results of betacyanin (mg g⁻¹ DW) and betaxanthin (mg g⁻¹ DW) content of 15 different genotypes of beetroot grown in three research stations within the trial year 2017 and 2018. Results represent the mean values $\pm$ standard error. Means followed by at least one identical letter were not significantly different from each other

Genotype	Betacyanin (mg g⁻¹ DW)	Betaxanthin (mg g⁻¹ DW)
Akela	6.42 ^{ac} $\pm$ 0.58	4.52 ^{ab} $\pm$ 0.38
Betina	6.16 ^{ac} $\pm$ 0.56	4.54 ^{ab} $\pm$ 0.38
Bona	5.73 ^{bc} $\pm$ 0.52	3.95 ^b $\pm$ 0.33
Bordo AS	6.39 ^{ac} $\pm$ 0.58	4.45 ^{ab} $\pm$ 0.37
BoRu1	6.57 ^{ac} $\pm$ 0.60	4.57 ^{ab} $\pm$ 0.38
Burpees Golden	1.13 ^d $\pm$ 0.14	0.04 ^d $\pm$ 0.01
Carillon RZ	5.91 ^{bc} $\pm$ 0.54	4.05 ^b $\pm$ 0.34
Cervena Kulata	5.35 ^c $\pm$ 0.49	3.81 ^b $\pm$ 0.32
Detroit 3	6.60 ^{ac} $\pm$ 0.60	4.74 ^{ab} $\pm$ 0.40
Jawor	5.46 ^c $\pm$ 0.50	3.99 ^b $\pm$ 0.34
Monty RZ F1	7.89 ^a $\pm$ 0.72	5.49 ^a $\pm$ 0.46
Nobol	6.49 ^{ac} $\pm$ 0.59	4.49 ^{ab} $\pm$ 0.38
Nochowski	7.75 ^a $\pm$ 0.70	5.51 ^a $\pm$ 0.46
Ronjana	7.39 ^{ab} $\pm$ 0.67	5.32 ^a $\pm$ 0.45
Sniezna Kula	0.08 ^e $\pm$ 0.01	0.09 ^c $\pm$ 0.01
Factor	<i>p</i>-value of the F-test of the corresponding factor	
Location	0.0056	0.0009
Year	n.s.	0.0045
Genotype	<0.0001	<0.0001
Location $\times$ year	0.0277	0.0069