

Table 5. Genotypic and phenotypic correlation coefficients among traits of thirteen of swiss chard

Traits		Leaf weight	Plant height	Plant canopy	Petiole length	Lamina length	Lamina width	Petiole thickness	Petiole width	Lightness	Hue	Chroma	Seed weight
Plant height	G [¶]	0.157**											
	P	0.052**											
Plant canopy	G	0.108**	0.684**										
	P	0.036**	0.224**										
Petiole length	G	0.607**	0.053**	0.099**									
	P	0.201**	0.017**	0.033**									
Lamina length	G	0.730**	0.159**	0.063**	0.468**								
	P	0.237**	0.051**	0.020**	0.151**								
Lamina width	G	0.655**	0.309**	0.314**	0.475**	0.627**							
	P	0.215**	0.100**	0.103**	0.155**	0.200**							
Petiole thickness	G	0.765**	0.078**	0.057**	0.487**	0.675**	0.488**						
	P	0.254**	0.026**	0.019**	0.161**	0.218**	0.160**						
Petiole width	G	0.772**	0.126**	0.169**	0.532**	0.667**	0.574**	0.704**					
	P	0.254**	0.041**	0.056**	0.174**	0.214**	0.186**	0.231**					
Lightness	G	-0.233**	-0.146**	-0.220**	-0.243**	0.028**	-0.219**	-0.219**	-0.160**				
	P	-0.073**	-0.045**	-0.068**	-0.075**	0.008	-0.067**	-0.068**	-0.050**				
Hue	G	-0.285**	-0.094**	-0.087**	-0.384**	-0.136**	-0.286**	-0.237**	-0.126**	0.775**			
	P	-0.094**	-0.031**	-0.029**	-0.127**	-0.044**	-0.094**	-0.032**	-0.041**	0.241**			
Chroma	G	0.240**	0.511**	0.121**	0.552**	0.795**	0.400**	0.285**	0.343**	0.341**	-0.560**		
	P	0.052**	0.109**	0.026**	0.119**	0.167**	0.085**	0.046**	0.073**	0.069**	-0.121**		
Seed weight	G	-0.088**	0.105**	-0.150**	-0.148**	-0.025**	-0.294**	-0.069**	-0.146**	0.431**	0.252**	-0.018**	
	P	-0.029**	0.034**	-0.050**	-0.049**	-0.008	-0.096**	-0.053**	-0.048**	0.134**	0.083**	-0.004	
Leaf dry matter	G	0.291**	0.024**	0.001**	-0.119**	0.614**	0.266**	0.333**	0.395**	-0.016**	0.057**	0.185**	-0.075**
	P	0.096**	0.008**	0.003**	-0.039**	0.197**	0.086**	0.030**	0.129**	-0.005	0.019**	0.040**	-0.025**

¶G: genotypic correlation coefficient; P: phenotypic correlation coefficient. *, ** Significant at 5% and 1% probability level, respectively

