

Supplementary table 6. Estimates of genetic parameters of pigment content

Parameters	An (mg·g ⁻¹)	Ca (g·ml ⁻¹)	An/Ca
<i>m</i>	1.05	23.6	0.15
<i>d_a</i>	0.34	10.08	0.08
<i>d_b</i>	0.32	6.89	0.07
<i>h_a</i>	-0.47	-14.18	-0.11
<i>h_b</i>	-0.21	-3.53	-0.04
<i>h_a/d_a</i>	-1.38	-1.41	-1.38
<i>h_b/d_b</i>	-0.66	-0.51	-0.57
σ^2_{mg}	0.15	81.33	0.01
h^2_{mg} (%)	70.44	86.03	90.91
σ^2_{p}	0.21	94.54	0.01

Note: *m*, population mean square variance; *d_a*, the first major-gene additive effect; *d_b*, the first major-gene additive effect; *h_a*, the second major-gene dominant effect; *h_b*, the second major-gene dominant effect; σ^2_{mg} , major-gene variance; h^2_{mg} , major-gene heritability; σ^2_{p} , phenotypic variance.