

Table 3 Estimation of genetic parameters of parthenocarpy by E-1 model

1 st order parameter	Estimated value	2 nd order parameter	Estimated value		
			BC ₁	BC ₂	F ₂
m	0.30408	σ_p^2	0.01757	0.11496	0.07215
da	0.18968	σ_e^2	0.00767	0.00105	0.00236
db	0.18968	σ_{mg}^2	0.00397	0.10798	0.06387
ha	0.24579	σ_{pg}^2	0.00767	0.00105	0.00236
hb	0.30256	h_{mg}^2 (%)	22.62	93.93	88.52
ha/da	1.29581	h_{pg}^2 (%)	43.65	0.91	3.26
hb/db	1.59511	$1 - h_{mg}^2$ (%) - h_{pg}^2 (%)	33.73	5.16	8.22

Note: m: Population mean; da: Additive effect of the first major gene; db: Additive effect of the second major gene; ha: Dominant effect of the first major gene; hb: Dominant effect of the second major gene; ha/da: Degree of dominance of the first major gene; hb/db: Degree of dominance of the second major gene; σ_p^2 : Phenotypic variance; σ_e^2 : Environmental variance; σ_{mg}^2 : Major gene variance; σ_{pg}^2 : Polygene variance; h_{mg}^2 : Heritability of major gene; h_{pg}^2 : Heritability of polygene