

**Supplementary Table 4.** The NCBI blast annotation of *CHS*, *MYB20*, *MYB75-like* and *MYB315-like*

Gene ID	Description	Species	Query Cover (%)	Identity (%)	E-value
sunup01G0002120	chalcone synthase	<i>Carica papaya</i>	100	100	0
sunup01G0002120	<i>MYB20</i>	<i>Theobroma cacao</i>	100	63.41	4E-119
sunup01G0001810	<i>MYB75-like</i>	<i>Carica papaya</i>	100	51.92	4E-83
sunup01G0004460	<i>MYB315-like</i>	<i>Carica papaya</i>	86	100	1e-165