

**Table S10.** Candidate genes and homologous genes in the 2AP synthesis pathway in soybean

<b>Gene</b>	<b>Candidate gene</b>				
<i>FBA</i>		Glyma.14G189400	Glyma.02G222400	Glyma.12G037400	
<i>GAPDH</i>	Glyma.06G172700	Glyma.04G193400	Glyma.06G172600	Glyma.04G193500	Glyma.18G009700
<i>GPD</i>		Glyma.17G075300	Glyma.03G027500		
<i>TAL</i>		Glyma.18G299100	Glyma.08G362900	Glyma.05G199800	
<i>TPI</i>		Glyma.15G038100	Glyma.13G336200		
<i>OAT</i>		Glyma.05G141900	Glyma.08G097800		
<i>P5CR</i>		Glyma.19G131500			
<i>PRODH</i>		Glyma.19G043000	Glyma.13G049700		
<i>P5CS</i>		Glyma.18G034300	Glyma.14G065600	Glyma.02G251100	
<i>P5CDH</i>		Glyma.05G029200	Glyma.17G097800		
<i>BADH</i>		Glyma05g01770	Glyma06g19820		