

Table S2. Soybean flowering genes preferentially or specifically expressed in flower

soybean	description	OG_ID	Arabidopsis genes
Glyma05g32680	CCAAT-binding factor, subunit A (HAP3)	OG5_127594	<i>NF-YB7;HAP3A;NF-YB8;NF-YB10;NF-YB3;HAP3B</i>
Glyma03g02210	MADS box transcription factor	OG5_135817	<i>SHP2;AGL6;SHP1;STK;AG</i>
Glyma07g08890	MADS box transcription factor		
Glyma05g28140	-	OG5_144912	<i>SEP3;SEP4;SEP2;SEP1</i>
Glyma08g11120	MADS box transcription factor		
Glyma18g00800	-		
Glyma16g32080	-	OG5_146543	<i>FT;TSF;TFL1</i>
Glyma20g07050	-	OG5_150191	<i>COL9;AT5G48250</i>
Glyma02g33040	MADS box transcription factor	OG5_164556	<i>AGL18;AGL15</i>
Glyma06g12380	MADS box transcription factor	OG5_169532	<i>PI</i>
Glyma13g09660	MADS box transcription factor		
Glyma14g24590	MADS box transcription factor		
Glyma01g08150	MADS box transcription factor	OG5_170388	<i>AP1;CAL</i>
Glyma02g13420	MADS box transcription factor		
Glyma16g13070	MADS box transcription factor		
Glyma11g35270	-	OG5_170827	<i>ELF4;ELF4-L3</i>
Glyma04g02980	MADS box transcription factor	OG5_190319	<i>AP3</i>
Glyma06g02990	MADS box transcription factor		
Glyma11g07820	-		