

**Table S3. *G. max* genes containing large structural variation in comparison with *G. soja***

<b>Large deletion sites</b>		
<i>G. max</i> genes	OrthoMCL_ID	key flowering pathways involved
Glyma10g32390	OG5_127186	light signaling
Glyma18g07770		
Glyma03g35610	OG5_127266	-
Glyma10g08710		
Glyma14g05430	OG5_132181	light signaling
Glyma19g41210	OG5_136555	light signaling
Glyma15g23400		
Glyma05g28130	OG5_139532	flowering pathway integrator, vernalization, ambient temperature
Glyma08g11110	OG5_144912	-
Glyma08g44650	OG5_212406	vernalization, meristem identity
<b>Large insertion sites</b>		
<i>G. max</i> genes	OrthoMCL_ID	key flowering pathways involved
Glyma01g39950	OG5_126901	-
Glyma10g02690	OG5_130364	autonomous, vernalization
Glyma05g01510	OG5_131003	-
Glyma03g02210	OG5_135817	-
Glyma15g09500		
Glyma15g23400	OG5_136555	light signaling pathways
Glyma15g04260	OG5_147255	-
Glyma15g35080	OG5_153332	-
Glyma06g17010	OG5_190987	Vernalization
Glyma08g44650	OG5_212406	vernalization, meristem identity
Glyma16g05110		