

**Article title:** Identification of QTL for tolerance to flooding stress at seedling stage of soybean (*Glycine max* L. Merr.)

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**Supplementary Table S1.** Analysis of variance for chlorophyll content and shoot dry weight of recombinant inbred lines (RILs) under flooded condition in 2017 and 2018.

Source of variation	DF <sup>1</sup>	Chlorophyll content			Shoot dry weight		
		MS <sup>2</sup>	F-value	P-value	MS	F-value	P-value
RIL	151	33.28	1.62	<0.0001	0.16	1.48	0.0011
Year	1	1.33	0.06	0.7991	1.17	10.67	0.0012
RIL × Year	151	29.19	1.42	0.0023	0.15	1.35	0.0111

<sup>1</sup>Degree of freedom. <sup>2</sup>Mean square.