

**Table S9** Long-Terminal Repeat (LTR) Assembly index (LAI) evaluation of the genome assemblies of *Pinellia ternata*, *Spirodela polyrhiza* and *Pistia stratiotes*

Type	<i>Pinellia ternata</i>	<i>Spirodela polyrhiza</i>	<i>Pistia stratiotes</i>
Intact LTR (%)	18.19	0.42	0.45
Total LTR (%)	74.64	10.07	31.9
Copia (%)	19.87	1.7	24.05
Gypsy (%)	46	7.96	0.65
unknown (%)	12.29	0.42	7.48
LTR Assembly index	<b>21.87</b>	12.66	7.04