

Description of Additional Supplementary Files

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File Name: Supplementary Data 1

Description: Characterization and quantification of repetitive sequences in the *Isoetes taiwanensis* genome.

File Name: Supplementary Data 2

Description: TPM normalized gene expression values used to generate TOD expression plots for *Isoetes taiwanensis*. Columns are labeled with time of expression followed by replicate number.

File Name: Supplementary Data 3

Description: Locus IDs from multi-species comparisons of TOD specific gene expression.

File Name: Supplementary Data 4

Description: GO term enrichment for genes in *Isoetes taiwanensis* clustered according to TOD expression.

File Name: Supplementary Data 5

Description: Putative novel cis-regulatory elements (CREs) identified in *Isoetes taiwanensis*. While half of the CREs identified by ELEMENT analysis closely matched known transcription factor binding sites in *Arabidopsis*, many remained unclassified. P-values calculated in TOMTOM.

File Name: Supplementary Data 6

Description: Few known circadian motifs are found upstream of CAM genes with TOD expression in *Isoetes taiwanensis*. P-value and Q-value calculated in FIMO.