

Supplementary Table S1. Gene accession number and primer sequence used for qRT-PCR analysis.

Gene	Accession number	Orientation	Primer sequence (5'→3')
<i>DaActin</i>	Dioal.1537s0038	F	CAGCAGTTAAGTCGGTGTTC
		R	TACAACAACCCGGAATCAT
<i>DaFT1</i>	Dioal.1360s0021	F	TCGCGTATTCTACACTCTTGTGA
		R	GATGGTTTTTGTACTGTTCAAGC
<i>DaFT2</i>	Dioal.1602s0029	F	TCTGTTTGCGCAACTTTGTT
		R	GCATAGCTTGATATGCCTGGA

Accession numbers refer to *Dioscorea alata* v1.1, Phytozome ver.13

Supplementary Table S2. The information of FT-like genes in water yam

Gene	Accession	Functional Annotations
<i>DaFT1</i>	Dioal.1360s0021	Protein FLOWERING LOCUS T; Phosphatidylethanolamine-binding protein PEBP
<i>DaFT2</i>	Dioal.1602s0029	Phosphatidylethanolamine-binding protein PEBP

Accession numbers refer to *Dioscorea alata* v1.1, Phytozome ver.13