

Supplemental Table S1: Monarch Clock Genes Expressed in DpN1 Cell Line

Gene	Accession #	Proposed Function in <i>Drosophila</i> clock
<i>period</i>	AY237279	Clock gene
<i>timeless</i> *	AY367059	Clock gene
<i>Clock</i>	AY364477	Transcription factor
<i>cycle</i>	AY364478	Transcription factor
<i>cryptochrome1</i>	AY860425	Circadian photoreceptor
<i>cryptochrome2</i>	DQ184682	N/A
<i>casein kinase II α</i> *	EF554579	Phosphorylates PER
<i>casein kinase II β</i> *	EF554578	Forms tetramer with alpha subunit ($\alpha_2\beta_2$)
<i>shaggy</i> *	EF554581	Phosphorylates TIM
<i>double-time</i> *	EF554580	Phosphorylates PER
<i>vrille</i> *	AY576272	Represses <i>Clk</i> transcription
<i>Pdp1 ϵ</i> *	EF649714	Activates <i>Clk</i> transcription
<i>slimb</i> *	EF649713	Ubiquitin-proteasome degradation of PER

Full-length open reading frame sequences have been submitted to GenBank except for *shaggy* and *Pdp1 ϵ* , as only the N-terminal 407aa and the C-terminal 147aa have been cloned, respectively.

*Reported for the first time in this publication. Degenerate primer sequences are listed for each in **Table S2**.