Table 3. Evidence of peripheral circadian regulated transcripts altered by cAMP

Comparison	Circadian gene list	Changed	Measured	In List	% changed	% Present	*Z* Score	*P* Value
2h up and downregulated								
	Heart Circadian Transcripts (*14*)	72	345	351	21	98	3.7	0
	Liver Circadian Transcripts (*14*)	80	426	446	19	96	2.9	0.009
	SCN Circadian Transcripts (*13*)	63	343	349	18	98	2.4	0.017
	Liver Circadian Transcripts (*13*)	63	343	349	18	98	2.4	0.017
6 h up and dowregulated								
	Heart Circadian Transcripts (14)	90	345	351	26	98	4.1	0
	Liver Circadian Transcripts (*14*)	107	426	446	25	96	4.0	0
	SCN Circadian Transcripts (*13*)	84	343	349	24	98	3.3	0.001
	Liver Circadian Transcripts (*13*)	84	343	349	24	98	3.3	0.001
24h up and downregulated								
	Heart Circadian Transcripts (14)	128	345	351	37	98	4.0	0
	Liver Circadian Transcripts (*14*)	150	426	446	35	96	3.5	0.001
	SCN Circadian Transcripts (*13*)	119	343	349	35	98	2.9	0.007
	Liver Circadian Transcripts (*13*)	119	343	349	35	98	2.9	0.007

We used the MAPPFINDER program (1) to determine the overlapp of PKA responsive transcripts ($P < 0.06$, Fold >50%) with previously published circadian regulated transcripts from Storch *et al.* (2) and Panda *et al.* (3). SCN, suprachiasmatic nucleus; Changed, number of PKA responsive genes found in set of peripheral circadian genes; Measured, number of circadian genes in the list represented on the microarray.

1. Doniger, S. W., Salomonis, N., Dahlquist, K. D., Vranizan, K., Lawler, S. C. & Conklin, B. R. (2003) *Genome Biol.* **4,** R7. Available at http://genomebiology.com/2003/4/1/R7.

2. Storch, K. F., Lipan, O., Leykin, I., Viswanathan, N., Davis, F. C., Wong, W. H. & Weitz, C. J. (2002) *Nature* **417,** 78-83.

3. Panda, S., Antoch, M. P., Miller, B. H., Su, A. I., Schook, A. B., Straume, M., Schultz, P. G., Kay, S. A., Takahashi, J. S. & Hogenesch, J. B. (2002) *Cell* **109,** 307-320.