

**Supplemental Data Table S7. Summary of ModuleMiner (1) results.** The groups of genes correspond to groupings that appear in Tables 1, 3, and 4 in the text and in Supplemental Data Tables S3 - S5. Rows highlighted in green are basal transcriptional regulatory sites. Results highlighted in yellow are considered in the Discussion. Supplemental Data Table S8 gives the number of genes analyzed by ModuleMiner and the online addresses of the output results of each of the eight groups analyzed. These results identify the positions of putative transcription factor binding sites in specific genes that were identified by ModuleMiner. The Control group is composed of genes that are expressed in the pineal gland with an rEx < 1.5 and Night/Day ratio <2 to >1/2. For further details see the Experimental Procedures section.

MYOD	M00056-V\$MYOGN_F1_01						0.2		
	MA0055-Myf			0.6					
NFKB	M00051-V\$NF_KAPPAB50_01								1.6
	M00194-V\$NFKB_Q6	1							
NKXH	MA0063-Nkx2-5						1		
NR2F	M01032-V\$HNF4_Q6_02						1.2		
OAZF	MA0116-Roaz		0.1						
OCT	M00795-V\$OCT_Q6							1	
	M00137-V\$OCT1_03					0.1			
	M00138-V\$OCT1_04					1.4			
P53	MA0106-TP53						0.3		
PAX4	MA0068-Pax4							1	
PAX6	M00979-V\$PAX6_Q2						0.2		
PDX1	M01013-V\$IPF1_Q4_01						1		
RORA	M00157-V\$RORA2_01						0.1		
SORY	M00750-V\$HMG1Y_Q6					1			
SP1	M00255-V\$GC_01		0.1						
	M00933-V\$SP1_Q2_01		0.1						
	M00932-V\$SP1_Q4_01		0.4	0.3					
	M00196-V\$SP1_Q6		0.3	0.3					
	M00931-V\$SP1_Q6_01		0.3	0.2					
STAT	M00497-V\$STAT3_02	1							
VTBP	M00252-V\$TATA_01	1.2	0.3						
	MA0108-TBP	1	0.6						
TCF	M00285-V\$TCF11_01			0.2					
YY1	M01035-V\$YY1_Q6_02					0.1			
ZTA	M00711-V\$ZTA_Q2		1						

1. Van Loo, P., Aerts, S., Thienpont, B., De Moor, B., Moreau, Y., and Marynen, P. (2008) *Genome Biol* **9**(4), R66