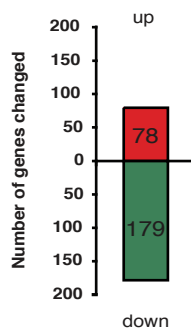
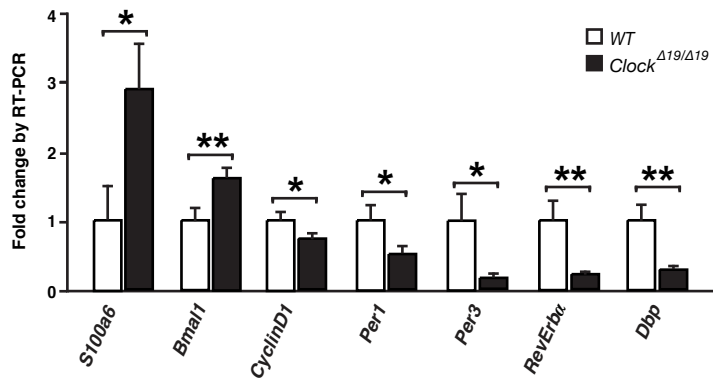


a Total number of genes changed (microarray)



c Microarray data validation by real time PCR



b Altered gene expression (microarray)

Symbol	Fold change	Function
<i>S100a6</i>	2.4	apoptosis
<i>Bmal1</i>	1.8	circadian
<i>p21</i>	1.8	apoptosis
<i>Atf3</i>	1.7	apoptosis
<i>Bik</i>	1.5	apoptosis
<i>Tgln1</i>	-1.4	vesicle transport
<i>Rab9b</i>	-1.4	vesicle transport
<i>Pfkfb3</i>	-1.4	cell cycle
<i>Wnk1</i>	-1.4	vesicle transport
<i>Per3</i>	-1.6	circadian
<i>Per1</i>	-1.7	circadian
<i>Cyclin D1</i>	-1.6	proliferation
<i>RevErbα</i>	-1.8	circadian
<i>Neu2</i>	-1.9	differentiation
<i>Tef</i>	-2.0	metabolism
<i>Pak3</i>	-2.5	proliferation
<i>DBP</i>	-3.2	metabolism

d Major functional groups changed on microarray (gene ontology analysis)

