

**Table S4. Polymorphic model elements of the circadian model** [23]. A list of circadian model elements and parameters used to manifest genetic variation. Parameter names from Table 1 (parameter set 4) in the original publication ([23]), names used in the CellML file “leloup\_goldbeter\_2004.cellml” retrieved from [http://models.cellml.org/workspace/leloup\\_goldbeter\\_2004/](http://models.cellml.org/workspace/leloup_goldbeter_2004/) and baseline values with units.

Model element	Parameters	Name in CellML file	Baseline values
<i>Per</i>	Max. rate of <i>Per</i> mRNA degradation $v_{mP}$	vmP	1.1 nM/h
<i>Bmal1</i>	Max. rate of <i>Bmal1</i> mRNA degradation $v_{mB}$	vmB	0.2 nM/h
<i>Cry</i>	Max. rate of <i>Cry</i> mRNA degradation $v_{mC}$	vmC	1.0 nM/h