Table S3: Simple model of transcription-translation oscillations with intrinsic and extrinsic noise. A model with both intrinsic and extrinsic noise, developed to examine the effect of each noise source on population-level amplitudes. Intrinsic noise is generated by simulating the solution stochastically using GillesPy. Extrinsic noise is generated by varying the free-running period, t_c . Equations adapted from [26].

`	$\left(\frac{1}{1+Y} - X\right)$ $k_t X - k_d Y - $	$-\frac{1}{\alpha_0+\alpha_1}$	$\frac{Y}{Y+\alpha_2Y^2}\bigg)$
	Parameter	Value	_
	k_t	20	-
	k_d	1	
	Р	4 (or 2)	
	α_0	0.005	
	α_1	0.05	
	α_2	0.1	
	t_c	3.516	