

Table S1. Gene regulation parameters giving bistable behavior of the Yan network model

Yan expression	p_{1mY}	0.4
	p_{2mY}	0.4
	p_{3mY}	0.2
	k_{mY}	0.1
	e_{mY}	0.2
	α_{mY}	-0.2
	n_{mY}	2
PntP1 expression	p_{1P1}	0.5
	p_{2P1}	0.5
	k_{P1}	0.1
	e_{P1}	0.01
	α_{P1}	0.19
	n_{P1}	2
	k'_{P1}	0.1
	n'_{P1}	2
PntP2 expression	e_{P2}	0.1
Mae expression	p_{1M}	0.5
	p_{2M}	0.5
	k_M	0.1
	e_M	0.01
	α_M	0.19
	n_M	2
	k'_{M}	0.1
	n'_{M}	2
miR-7 expression	p_{1mR7}	0.5
	p_{2mR7}	0.5
	k_{mR7}	0.1
	e_{mR7}	0.01
	α_{mR7}	0.19
	n_{mR7}	2
	k'_{mR7}	0.1
	n'_{mR7}	2

yan mRNA was translated at rate $k'_Y=0.1$.