

Table S3. Binding and unbinding rates giving bistable behavior of the Yan network model

Mae-Yan association	$\vec{k}_{M:Y}$	0.1
Mae-Yan dissociation	$\overleftarrow{k}_{M:Y}$	0.01
Mae-phospho-Yan association	$\vec{k}_{M:Y^*}$	0.1
Mae-phospho-Yan dissociation	$\overleftarrow{k}_{M:Y^*}$	10
Mae-PntP2 association	$\vec{k}_{M:P_2}$	0.1
Mae-PntP2 dissociation	$\overleftarrow{k}_{M:P_2}$	0.01
<i>yan</i> mRNA-miR-7 association	\vec{k}_{mR7}	0.1
<i>yan</i> mRNA-miR-7 dissociation	\overleftarrow{k}_{mR7}	0.01