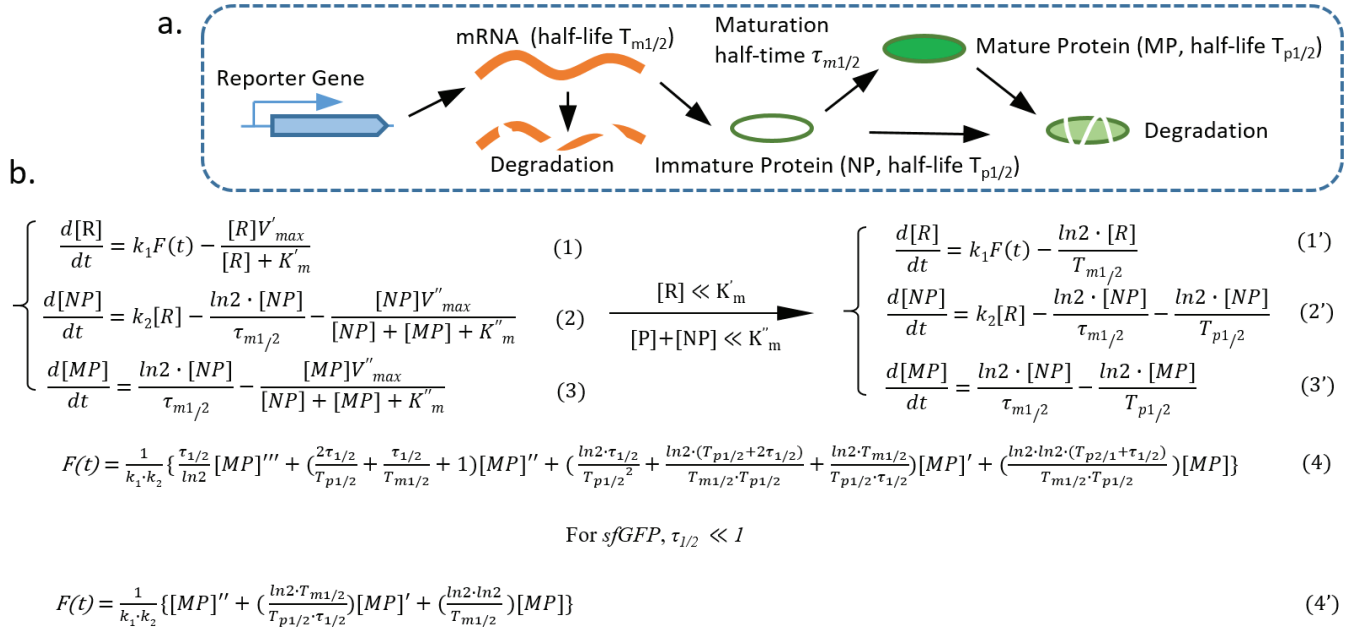


Figure 1-figure Supplement 1



**c.**

Parameter	Description	Dimension	Default Value
$R$	mRNA concentration	$nMh^{-1}$	0
$NP$	Immature protein concentration	$nMh^{-1}$	0
$MP$	Mature protein concentration	$nMh^{-1}$	0
$T_{m1/2}$	mRNA half-life	h	0.5
$T_{p1/2}$	Protein half-life	h	1~20
$\tau_{m1/2}$	Maturation half-time	h	0.2~2
$k_1$	Transcriptional efficiency	$h^{-1}$	1
$k_2$	Translational efficiency	$h^{-1}$	1
$F(t)$	Promoter activity	nM	-
$K'_m$	Michaelis-Menten constant of mRNA degradation	nM	-
$K''_m$	Michaelis-Menten constant of protein degradation	nM	-
$V'_{max}$	Maximal rate of the mRNA degradation	$nMh^{-1}$	-
$V''_{max}$	Maximal rate of the protein degradation	$nMh^{-1}$	-