

## NegRegLuxR

regulation of LuxR, added aiiA AL production rate of LuxI ffusion rate of AHL across the cellular membrane A formation rate A dissociation rate agradation rate of cellular AHL agradation rate of external AHL agradation rate of RA2 agradation rate of RA aky production rate of LuxI from pConst aximum production rate of LuxI from pConst chaelis-Menten constant of pLuxA for RA	0.13 0.41 2.04 4.84 0.51 0.10 0.04 0.23 0.00 0.00
fusion rate of AHL across the cellular membrane A formation rate A dissociation rate ogradation rate of cellular AHL ogradation rate of external AHL ogradation rate of RA2 ogradation rate of RA aky production rate of LuxI from pConst aximum production rate of LuxI from pConst	0.41 2.04 4.84 0.51 0.10 0.04 0.23 0.00 0.00
A formation rate A dissociation rate ogradation rate of cellular AHL ogradation rate of external AHL ogradation rate of RA2 ogradation rate of RA aky production rate of LuxI from pConst aximum production rate of LuxI from pConst	2.04 4.84 0.51 0.10 0.04 0.23 0.00 0.00
A dissociation rate gradation rate of cellular AHL gradation rate of external AHL gradation rate of RA2 gradation rate of RA aky production rate of LuxI from pConst aximum production rate of LuxI from pConst	4.84 0.51 0.10 0.04 0.23 0.00 0.00
egradation rate of cellular AHL egradation rate of external AHL egradation rate of RA2 egradation rate of RA aky production rate of LuxI from pConst aximum production rate of LuxI from pConst	0.51 0.10 0.04 0.23 0.00 0.00
gradation rate of external AHL gradation rate of RA2 gradation rate of RA aky production rate of LuxI from pConst aximum production rate of LuxI from pConst	0.10 0.04 0.23 0.00 0.00
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aky production rate of LuxI from pConst aximum production rate of LuxI from pConst	0.00
aximum production rate of LuxI from pConst	0.00
chaelis-Menten constant of pLuxA for RA	
	0.43
aximum production rate of LuxI from pLuxA	0.46
aky production rate of LuxI from pLuxA	0.00
xI degradation rate	2.14
aky production rate of LuxR from pConst	0.01
aximum production rate of LuxR from pConst	0.03
aximum production rate of LuxR from pLuxA	2.16
aky production rate of LuxR from pLuxA	0.00
xR degradation rate	0.68
aky production rate of Lysis from pLuxB	0.00
aximum production rate of Lysis from pLuxB	0.40
chaelis-Menten constant of pLuxB for RA	1.07
sis degradation	0.10
rmation & maturation rate of the full fluorescent protein	2.00
onstitutive production of split FP	5.00
lit FP degradation	0.20
A expression	0.25
A degradation	5.00
A activty	8.00
	aky production rate of LuxI from pLuxAxI degradation rateaky production rate of LuxR from pConstaximum production rate of LuxR from pConstaximum production rate of LuxR from pLuxAaky production rate of LuxR from pLuxAaky production rate of LuxR from pLuxAxR degradation rateaky production rate of Lysis from pLuxBaximum production rate of Lysis from pLuxBchaelis-Menten constant of pLuxB for RAsis degradationrmation & maturation rate of the full fluorescent proteinonstitutive production of split FPolit FP degradationA expressionA degradationA activty







