

Parameter Name	Value	Units	Source	Promotor	RBS	RBS	Protein	Terminator	Terminator
AraC Dissociation constant	14	nanomoles	Formulas						
AraC degradation Rate	0.066666667	1/sec	Beijing 2009						
AraC transcription Rate	3.5	nM/min	Formulas						
AraC translation Rate	2.25	(min ⁻¹)	Formulas						
AraC hill coefficient	2		Beijing 2009						
YFP transcription Rate	4.25	nM/min	Formulas						
YFP translation Rate	3.15	(min ⁻¹)	Formulas						
Cl transcription rate	4.10156	nM/min	Formulas						
RFP transcription rate	4.90654	nM/min	Formulas						
Cl translation rate	0.23662	(min ⁻¹)	Formulas						
RFP translation rate	2.15569	(min ⁻¹)	Formulas						
phiR73 transcription rate	8.7682	nM/min	Formulas						
phiR73 translation rate	10	(min ⁻¹)	Formulas						
c22 transcription rate	4.29009	nM/min	Formulas						
c22 translation rate	2.3	(min ⁻¹)	Formulas						
cl434 transcription rate	4.37	nM/min	Formulas						
cl434 translation rate	0.245614	(min ⁻¹)	Formulas						
GFP transcription rate	5.06512301	nM/min	Formulas	54	0.6	15	720	39	
GFP translation rate	2	(min ⁻¹)	Formulas	54	0.6	15	720	39	