

Table S4, Range of parameter values explored in Monte Carlo simulation approach. This parameter range was explored for the model of regulation by substrate feedback (model configuration *i*).

Parameter name	Parameter range	Unit
<i>X_{CIII}</i>	0 – 100	mol s ⁻¹ M ^{-3/2} (L mito) ⁻¹
<i>nH</i>	0 – 10	Unitless
<i>K_{50Pi}</i>	0 – 30	mM