

Variable	Description
[PhoR]	Concentration of unactivated, unrepressed PhoR protein
[PhoR <sup>R</sup> ]	Concentration of the repression complex
[PhoR <sup>A</sup> ]	Activated PhoR concentration
[PhoB]	Unactivated PhoB protein concentration
[PhoB <sup>A</sup> ]	Phospho-PhoB concentration
[PhoU]	PhoU protein concentration
[PstS]	PstS protein concentration
[mRNA <sub>R</sub> ]	<i>phoR</i> mRNA concentration
[mRNA <sub>B</sub> ]	<i>phoB</i> mRNA concentration
[mRNA <sub>U</sub> ]	<i>phoU</i> mRNA concentration
[mRNA <sub>S</sub> ]	<i>pstS</i> mRNA concentration
[mRNA <sub>lac</sub> ]	<i>lacI</i> mRNA concentration
[mRNA <sub>GFP</sub> ]	<i>gfp</i> mRNA concentration
[mRNA <sub>RFP</sub> ]	<i>rfp</i> mRNA concentration
[P <sub>int</sub> ]	Inorganic phosphate concentration inside the cell
[P <sub>S</sub> ]	Inorganic phosphate concentration at the cell surface
[P <sub>ext</sub> ]	Inorganic phosphate concentration in the growth medium
X	Cell concentration
[GFP]	GFP protein concentration
[RFP]	RFP protein concentration