

```
<function id="base_efficiency" type="linear" variable="growth_rate">
  <listOfParameters>
    <parameter id="X_MIN" value="0.25"/>
    <parameter id="X_MAX" value="1.6"/>
    <parameter id="Y_MIN" value="511.6565"/>
    <parameter id="Y_MAX" value="2838989.867"/>
    <parameter id="LINEAR_COEF" value="0.0"/>
    <parameter id="LINEAR_CONSTANT" value="1334026.4422"/>
  </listOfParameters>
</function>
<function id="transport_efficiency" type="michaelisMenten" variable="M_glc_e">
  <listOfParameters>
    <parameter id="Km" value="0.8"/>
    <parameter id="kmax" value="1.0"/>
  </listOfParameters>
</function>
<functionAggregate id="enzyme_efficiency" type="multiplication">
  <listOfFunctionReferences>
    <functionReference function="base_efficiency"/>
    <functionReference function="transport_efficiency"/>
  </listOfFunctionReferences>
</functionAggregate>
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