

BioComputing's Network-Graph Tool
Version 1.4

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1 Reaction Network Networks/B309-simple.xml

Reaction Network. See file: [Networks/B309-simple.xml](#) See Figure 1.

Analysis Test

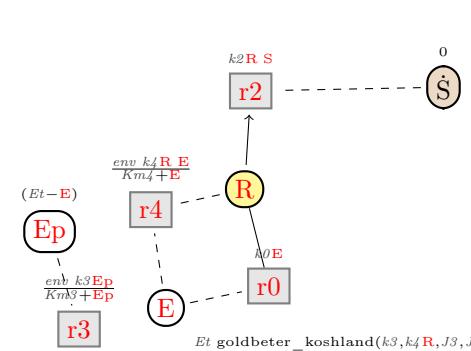


Fig. 1. The Networks/B309-simple.xml.

Macro Definition	
$k1$	1
$k2$	1
$k3$	0.5
$J1$	0.01
$k4$	1
$J2$	0.01
$E1$	1
$Km3$	$J3 \cdot E1$
$Km4$	$J4 \cdot E1$
$cm1$	

Fig. 2. Expressions of Networks/B309-simple.xml.

Role	Species	Id	Initial Value	Comment
Metabolites	R	R	0	
Algebraic variables	S	S		
	E1	E1	$(R1 - E)$	
	E	E	$E1 \cdot goldbetter_ashland(R3, J4 \cdot R1, J3, J4)$	

Fig. 3. Species of Networks/B309-simple.xml.

Name	Kinetic Expression	Comment
r0	0	
r1	$cm1 \cdot E1$	
r2	$cm1 \cdot k1 \cdot R$	
r3	$cm1 \cdot k2 \cdot R$	
r4	$\frac{cm1 \cdot k3 \cdot R}{Km3 + R}$	

Fig. 4. Reactions of Networks/B309-simple.xml

Parameter	Initial value	Comment

Fig. 5. Control parameters of Networks/B309-simple.xml.

1.1 What Else

Comments to be treated

[Event|Condition|Updates]

Fig. 6. Events of Networks/B309-simple.xml.