

Reactions	Parameters	Values
$gAzoR \rightarrow gAzoR + AzoR$	k1	0.5
$gLac \rightarrow gLac + Lacin$	k2	0.5
$AzoDout \rightarrow AzoDin$	k3	0.5
$AzoR + AzoD \rightarrow AzoDin-AzoR$	k4	1
$AzoDin-AzoR \rightarrow AzoD + AzoR$	k5	0.01
$AzoDin-AzoR \rightarrow P1in + P2in + AzoR$	k6	0.2
$AzoR \rightarrow$	k7	0.1
$AzoDin \rightarrow AzoDout$	k8	0.5
$P1in \rightarrow P1out$	k9	0.3
$P2in \rightarrow P2out$	k10	0.3
$Lacin \rightarrow Lacout$	k11	0.5
$Lacout + P2out \rightarrow Lacout-P2out$	k12	1
$Lacout-P2out \rightarrow Lacout + P2out$	k13	0.01
$Lacout-P2out \rightarrow Lacout + P5out + P6out$	k14	0.4
$Lacout \rightarrow$	k15	0.1
$Lacout + AzoDout \rightarrow Lacout-AzoDout$	k16	1
$Lacout-AzoDout \rightarrow Lacout + AzoDout$	k17	0.01
$Lacout-AzoDout \rightarrow Lacout + P3out + P4out$	k18	0.2

Initial Conditions

$gAzoR = 1$

$gLac = 1$