Table 1: Logical parameters of the regulatory network of cellular metabolic flexibility. The format used here represents the presence of respective entities in the system when they are listed in the parameter set. For PDK, there are four distinct models, the parameter values for which are listed in order, separated by commas.

Entity	Parameter Set	Target Value			
G1	{}			1	
Glucose	{Glucose}		()	
	{}			1	
Circ-FA	{Circ-FA})	
Pyruvate	{})	
	{Citrate})	
	{Glucose}			1	
	{Citrate, Glucose}		()	
PDC	{}			1	
	{PDK}		()	
Acetyl-CoA	{}		()	
	{PDC}		()	
	{Pyruvate}		()	
	{Malonyl-CoA})	
	{Fatty Acids}			1	
	{PDC, Pyruvate}			1	
	{PDC, Malonyl-CoA} {PDC, Fatty Acids}) 1	
	{Pyruvate, Malonyl-CoA})	
	{Pyruvate, Fatty Acids}			ĺ	
	{Malonyl-CoA, Fatty Acids}		()	
	{PDC, Pyruvate, Malonyl-CoA}			1	
	{PDC, Pyruvate, Fatty Acids}			1	
	{PDC, Malonyl-CoA, Fatty Acids})	
	{Pyruvate, Malonyl-CoA, Fatty Acids})	
	{PDC, Pyruvate, Malonyl-CoA, Fatty Acids}			1	
Citrate	{ } {Acetyl-CoA}	0 1			
AMPK	{}			 1	
	{Acetyl-CoA})	
Malonyl-CoA	{ } {AMPK}))	
	{Citrate}	1			
	{AMPK, Citrate})	
Fatty Acids	{}				
	{Circ-FA}	0 1			
	{Citrate}	0			
	{Malonyl-CoA}	0			
	{Circ-FA, Citrate}	1			
	{Circ-FA, Malonyl-CoA}	1			
	{Citrate, Malonyl-CoA}	1 1			
	{Circ-FA, Citrate, Malonyl-CoA}				
		Model 1	Model 2	Model 3	Model 4
PDK	{ }	0	0	0	0
	{Pyruvate}	0	0	0	0
	{Fatty Acids}	1	1	1	1
	{Acetyl-CoA}	1	1	1	1
	{Pyruvate, Fatty Acids}	0	0	0	1
	{Pyruvate, Acetyl-CoA}	0	0	1	0

{Fatty Acids, Acetyl-CoA}

{Pyruvate, Fatty Acids, Acetyl-CoA}