

Table VI. Comparison of ATP consuming metabolic pathways for complex and minimal medium conditions.

Pathways	ATP Consumption			
	Phase 1		Phase 2	
	Complex	Minimal	Complex	Minimal
Cell envelope biosynthesis	0.23	0.23	0.08	0.08
Cofactor and prosthetic group biosynthesis	0.11	0.11	0.04	0.04
Amino acids metabolism	4.84	5.09	1.24	1.73
Glycolysis/gluconeogenesis	2.49	8.04	1.00	2.25
Citrate cycle	0.00	1.33	0.00	0.00
Nucleotide salvage pathways	5.15	5.69	1.33	1.94
Purine and pyrimidine biosynthesis	3.19	3.01	1.03	1.02
Maintenance and others	10.66	10.66	25.04	25.04
Total ATP flux (mmol/gDCW/h)	26.66	34.16	29.76	31.01