'Nitrogen Source is Ammonia'

'adenine phosphoribosyltransferase'

' 2-Oxoglutarate dehydrogenase'

'alcohol dehydrogenase (ethanol)'

'L-aspartase'

'aspartate transaminase'

'L-allo-threonine dehydrogenase'

'citrate synthase'

'fructose-bisphosphatase'

'glutamate dehydrogenase (NADP)'

'hydroxypyruvate isomerase'

'Hydroxypyruvate reductase (NADPH)'

'sodium proton antiporter (H:NA is 1.5)

(periplasm)'

'pyruvate formate lyase'

'Nitrogen Source is Adenine'

'adenine deaminase'

'adenine phosphoribosyltransferase'

'adenylsuccinate lyase'

'adenylosuccinate synthase'

'L-aspartase'

'formyltetrahydrofolate deformylase' 'glutamate dehydrogenase (NADP)'

'hypoxanthine dehydrogenase'

' 5'-nucleotidase (dAMP)'

'purine-nucleoside phosphorylase (Adenosine)'

'purine-nucleoside phosphorylase (Deoxyadenosine)'

'Nitrogen Source is Cytidine'

'adenosine kinase'

'aldehyde dehydrogenase (acetaldehyde, NADP)'

'AMP nucleosidase'

'aspartate carbamoyltransferase'

'L-allo-threonine dehydrogenase'

'CTP synthase (glutamine)'

'Cysteine Desulfhydrase'

'cytidine deaminase'

'fructose-bisphosphatase'

'formate dehydrogenase (quinone-8) (periplasm)'

'glycerol-3-phosphate dehydrogenase (ubiquinone-8)'

'hydroxypyruvate isomerase'

'Hydroxypyruvate reductase (NADPH)'

'sodium proton antiporter (H:NA is 1.5) (periplasm)'

' 5'-nucleotidase (AMP)'

' 2-Octaprenylphenol hydroxylase (anaerobic)' 'pyrimidine-nucleoside phosphorylase (uracil)'

'tartronate semialdehyde reductase'

'Nitrogen Source is Putrescine'

' 4-aminobutyrate transaminase'

'Aminobutyraldehyde dehydrogenase'

'fructose-bisphosphatase' 'glycerol-3-phosphatase'

'sodium proton antiporter (H:NA is 1.5) (periplasm)'

'Putrescine Transaminase'

'Nitrogen Source is Glycine'

'glycine hydroxymethyltransferase, reversible'

'Glycine Cleavage System'

'Nitrogen Source is L-Alanine'

' 5'-deoxyadenosine nuclosidase'

'acetylglutamate kinase'

'N-acetylglutamate synthase' 'aspartate transaminase'

'glucose 6-phosphate dehydrogenase'

'glutamine synthetase'

'glutamate dehydrogenase (NADP)'

'malate dehydrogenase'

'pyruvate formate lyase'

'pyruvate oxidase'

'phosphoenolpyruvate synthase

'Nitrogen Source is L-Glutamine'

'N-Acetyl-D-glucosamine(anhydrous)N-Acetylmuramyl-tripeptide amidase'

'L-allo-threonine dehydrogenase'

'Cysteine Desulfhydrase'

'glucosamine-1-phosphate N-acetyltransferase'

'glutaminase'

'glycine C-acetyltransferase'

'murein polymerizing transglycosylase'

'phospho-N-acetylmuramoyl-pentapeptide-transferase (meso-2,6-diaminopimelate)'

'phosphoglucosamine mutase'

'L-allo-Threonine Aldolase'

'UDP-N-acetylglucosamine diphosphorylase'