A

mRNA	Protein	
1. Ribosome 2. Purine metabolism		lowMg
1. Flagellar assembly 2. Sulfur metabolism 3. Nitrogen metabolism	1. Biosynthesis of siderophore group nonribosomal peptides 2. Two−component system 3. Pyruvate metabolism	highMg
1. Flagellar assembly	1. Biosynthesis of amino acids 2. Biosynthesis of secondary metabolites 3. Biosynthesis of antibiotics 4. Metabolic pathways 5. Phenylalanine, tyrosine and tryptophan biosynthesis	highNa
1. Ribosome 2. Biosynthesis of antibiotics		glycerol
1. Pentose phosphate pathway	1. Biosynthesis of siderophore group nonribosomal peptides	gluconate
1. Pyruvate metabolism 2. Ribosome	1. Citrate cycle (TCA cycle) 2. Pyruvate metabolism 3. Carbon metabolism	lactate

B

mRNA	Protein	
		lowMg
1. Biosynthesis of siderophore group nonribosomal peptides		highMg
1. Pyruvate metabolism 2. Pentose and glucuronate interconversions 3. Fructose and mannose metabolism 4. Glycolysis / Gluconeogenesis	1. Biosynthesis of amino acids 2. Biosynthesis of secondary metabolites 3. Biosynthesis of antibiotics 4. Metabolic pathways 5. Phenylalanine, tyrosine and tryptophan biosynthesis	highNa
	1. Biosynthesis of siderophore group nonribosomal peptides	glycerol
	1. Biosynthesis of siderophore group nonribosomal peptides	gluconate
	1. Citrate cycle (TCA cycle) 2. Biosynthesis of siderophore group nonribosomal peptides 3. Pyruvate metabolism	lactate