	mRNA	Protein
lowMg	1. Oxidative phosphorylation 2. Pyruvate metabolism 3. Citrate cycle (TCA cycle) 4. Arginine and proline metabolism 5. Protein export	
highMg	1. Ribosome 2. ABC transporters 3. Purine metabolism 4. Glycine, serine and threonine metabolism 5. Valine, leucine and isoleucine biosynthesis	1. Flagellar assembly
highNa	1. Pyruvate metabolism 2. Amino sugar and nucleotide sugar metabolism 3. Glycolysis / Gluconeogenesis 4. Citrate cycle (TCA cycle) 5. Fructose and mannose metabolism	1. Ribosome 2. Alanine, aspartate and glutamate metabolism 3. Purine metabolism 4. Phenylalanine, tyrosine and tryptophan biosynthesis 5. Aminoacyl−tRNA biosynthesis
glycerol	1. Arginine and proline metabolism 2. ABC transporters 3. Aminoacyl−tRNA biosynthesis 4. Starch and sucrose metabolism	1. Biosynthesis of siderophore group nonribosomal peptides 2. Arginine and proline metabolism
gluconate		1. Pentose and glucuronate interconversions 2. Pentose phosphate pathway 3. ABC transporters
lactate	1. Oxidative phosphorylation 2. Ribosome 3. Glycine, serine and threonine metabolism 4. Valine, leucine and isoleucine biosynthesis 5. Citrate cycle (TCA cycle)	1. Citrate cycle (TCA cycle) 2. Propanoate metabolism 3. ABC transporters 4. Butanoate metabolism 5. Oxidative phosphorylation