	mRNA	Protein
lowMg	1. Ribosome 2. Purine metabolism 3. ABC transporters 4. Pyrimidine metabolism 5. Aminoacyl−tRNA biosynthesis	
highMg	1. Ribosome 2. ABC transporters 3. Oxidative phosphorylation 4. Valine, leucine and isoleucine biosynthesis 5. Phenylalanine, tyrosine and tryptophan biosynthesis	1. Two−component system 2. Butanoate metabolism 3. Valine, leucine and isoleucine degradation 4. Terpenoid backbone biosynthesis 5. Amino sugar and nucleotide sugar metabolism
highNa	1. Flagellar assembly 2. ABC transporters 3. Pentose phosphate pathway 4. Glycine, serine and threonine metabolism 5. Two−component system	1. Two−component system 2. Purine metabolism 3. ABC transporters 4. Pyrimidine metabolism 5. Ribosome
glycerol	1. Ribosome 2. Purine metabolism 3. ABC transporters 4. Aminoacyl−tRNA biosynthesis 5. Pyrimidine metabolism	1. Aminoacyl−tRNA biosynthesis 2. Pyrimidine metabolism 3. Phenylalanine, tyrosine and tryptophan biosynthesis 4. Purine metabolism 5. Cysteine and methionine metabolism
gluconate		1. Ribosome
lactate	1. Pyruvate metabolism 2. Phosphotransferase system (PTS) 3. Glycolysis / Gluconeogenesis 4. Fructose and mannose metabolism 5. Arginine and proline metabolism	1. ABC transporters 2. Citrate cycle (TCA cycle) 3. Pyruvate metabolism 4. Ribosome 5. Butanoate metabolism