

mRNA	Protein	
1. Ribosome 2. Purine metabolism 3. ABC transporters 4. Pyrimidine metabolism 5. Aminoacyl–tRNA biosynthesis		lowMg Exp
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	highMg Exp
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	highNa Exp
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	glycerol Exp
	1. Ribosome	gluconate Exp
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	lactate Exp
1. Oxidative phosphorylation 2. Pyruvate metabolism 3. Citrate cycle (TCA cycle) 4. Arginine and proline metabolism 5. Protein export		lowMg Sta
1. Ribosome 2. ABC transporters 3. Purine metabolism 4. Glycine, serine and threonine metabolism 5. Valine, leucine and isoleucine biosynthesis	1. Flagellar assembly	highMg Sta
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	highNa Sta
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	glycerol Sta
	1. Pentose and glucuronate interconversions 2. Pentose phosphate pathway 3. ABC transporters	gluconate Sta
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	lactate Sta