Exp mRNA	Exp Protein	Sta mRNA	Sta Protein	
1. Ribosome 2. Purine metabolism 3. ABC transporters 4. Pyrimidine metabolism 5. Aminoacyl−tRNA biosynthesis		1. Oxidative phosphorylation 2. Pyruvate metabolism 3. Citrate cycle (TCA cycle) 4. Arginine and proline metabolism 5. Protein export		lowMg
1. Ribosome 2. ABC transporters 3. Oxidative phosphorylation 4. Valine, leucine and isoleucine biosynthesis 5. Phenylalanine, tyrosine and tryptophan biosynt	1. Two−component system 2. Butanoate metabolism 3. Valine, leucine and isoleucine degradation 4. Terpenoid backbone biosynthesis 5. Amino sugar and nucleotide sugar metabolism	1. Ribosome 2. ABC transporters 3. Purine metabolism 4. Glycine, serine and threonine metabolism 5. Valine, leucine and isoleucine biosynthesis	1. Flagellar assembly	highMg
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	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 biosynt 5. Aminoacyl−tRNA biosynthesis	highNa
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 biosynt 4. Purine metabolism 5. Cysteine and methionine metabolism	1. Arginine and proline metabolism 2. ABC transporters 3. Aminoacyl−tRNA biosynthesis 4. Starch and sucrose metabolism	1. Biosynthesis of siderophore group nonribosom 2. Arginine and proline metabolism	glycerol
	1. Ribosome		1. Pentose and glucuronate interconversions 2. Pentose phosphate pathway 3. ABC transporters	gluconate
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	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