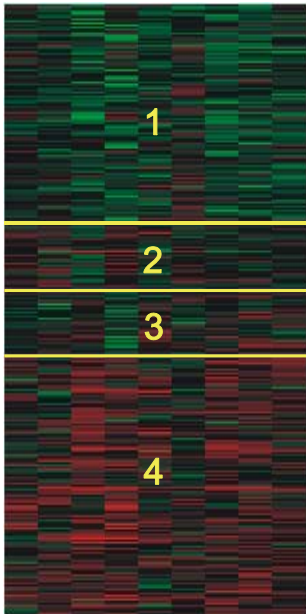


A B C D E F G H I



*atp* (7)

ATP synthase alpha subunit

*nif* (4)

Energy metabolism, electron transport

*nrd* (4)

Salvage of nucleosides and nucleotides

*pbp* (4)

Cell envelope, murein sacculus and peptidoglycan

*pot* (4)

Transport and binding protein; amino acids, peptides and amines

*pro* (4)

Glutamate family; Proline biosynthesis pathway

*ybg* (4)

Unknown

*ybj* (5)

Unknown

*yia* (4)

Unknown; aerobic energy metabolism

*but* (2)

Energy metabolism; fermentation

*tru* (2)

tRNA modification

*ybc* (3)

Unknown

*dac* (2)

Final stages in peptidoglycan synthesis

*fad* (2)

Fatty acid and phospholipid metabolism

*nap* (2)

Unknown; multidrug-efflux transporter

*glp* (5)

Anaerobic energy metabolism; glycerol utilization pathway

*yai* (7)

Hypothetical protein

*ymb* (5)

Unknown; transposon related

*yoa* (6)

Unknown; transport and binding protein, cation

*yqc* (7)

Unknown

*yvi* (6)

Unknown; energy metabolism, electron transport