

# FermentoMap Report

LaPointes Research Group

## Top Detected Genes:

buk | butyrate kinase 2 | Butyrate | Anaerobic

pflB | formate acetyltransferase | Mixed acid | Anaerobic

fruA | pts system fructose-specific eiiabc component | Fructose uptake | Facultative

cydA | cytochrome bd ubiquinol oxidase subunit 1 | Not fermentative | Aerobic

gdh | glucose 1-dehydrogenase | Amino acid fermentation | Facultative

ackA | acetate kinase | Acetate | Facultative

pta | putative glucose uptake protein glcu | Acetate | Facultative

pta | phosphate acetyltransferase | Acetate | Facultative

ldh | l-lactate dehydrogenase | Lactic acid | Facultative

pta | septation ring formation regulator ezra | Acetate | Facultative

ldh | l-lactate dehydrogenase | Lactic acid | Facultative

gdh | nadp-specific glutamate dehydrogenase | Amino acid fermentation | Facultative

pta | glycerol uptake facilitator protein | Acetate | Facultative

ackA | acetate kinase | Acetate | Facultative

adhE | aldehyde-alcohol dehydrogenase | Ethanol | Anaerobic

## Fermentation Types (with Detected Genes):

Butyrate (1)

Mixed acid (1)

Fructose uptake (1)

Not fermentative (1)

Amino acid fermentation (2)

Acetate (9)

Lactic acid (3)

Ethanol (1)

Oxidative stress detox (1)

## Oxygen Classes (with Detected Genes):

Anaerobic (3)

Facultative (15)

Aerobic (2)