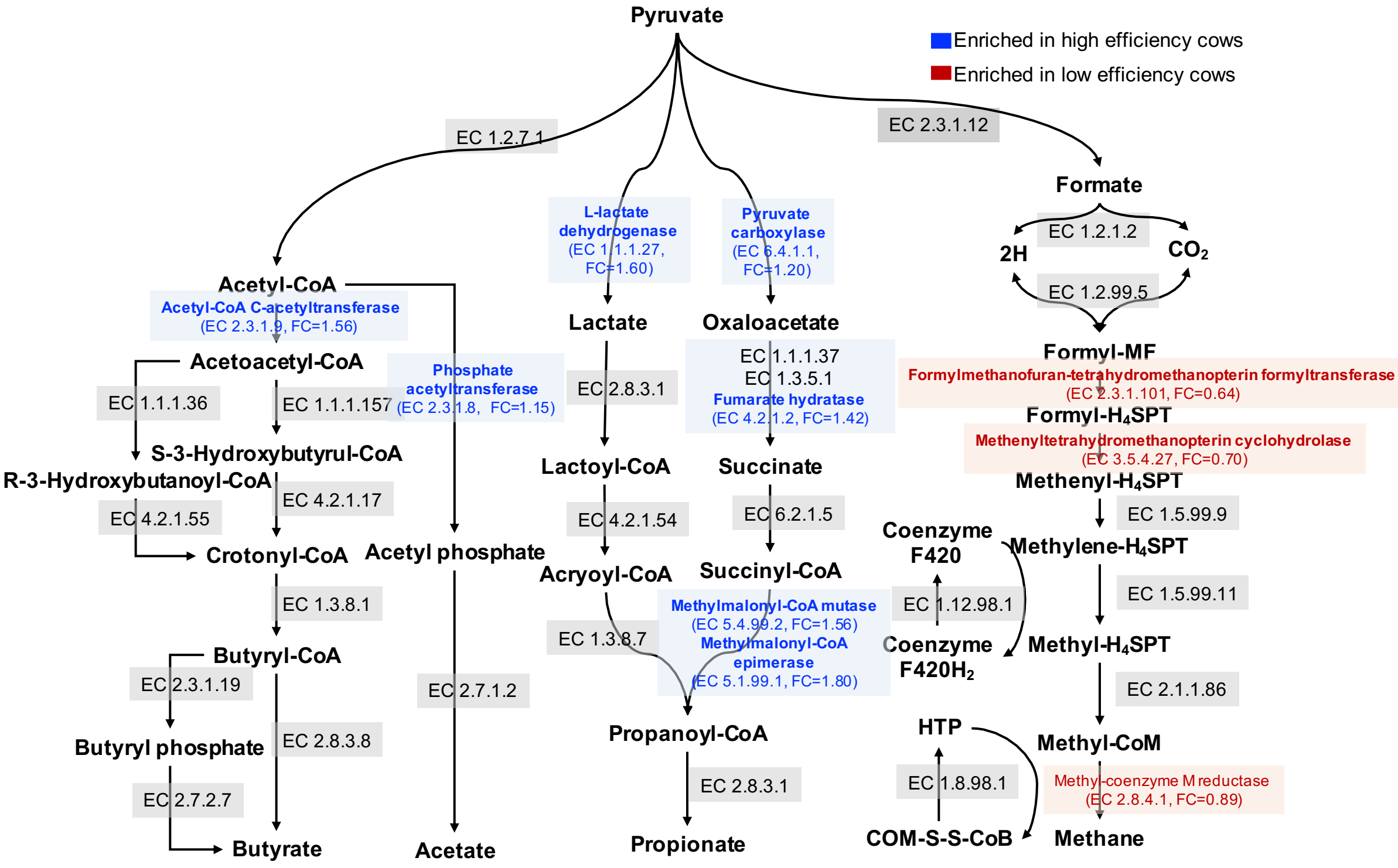
Pyruvate
Enriched in high efficiency cows
Enriched in low efficiency cows
EC 1.2.7.1
EC 2.3.1.12
Formate
EC 1.2.1.2
2H
CO2
EC 1.2.99.5
Formyl-MF
Formylmethanofuran-tetrahydromethanopterin formyltransferase
(EC 2.3.1.101, FC=0.64)
Formyl-H4SPT
Methenyltetrahydromethanopterin cyclohydrolase
(EC 3.5.4.27, FC=0.70)
Methenyl-H4SPT
EC 1.5.99.9
Methylene-H4SPT
EC 1.5.99.11
Methyl-H4SPT
EC 2.1.1.86
Methyl-CoM
Methyl-coenzyme M reductase
(EC 2.8.4.1, FC=0.89)
Methane
Coenzyme F420
EC 1.12.98.1
Coenzyme F420H2
HTP
EC 1.8.98.1
COM-S-S-CoB
Acetyl-CoA
Acetyl-CoA C-acetyltransferase
(EC 2.3.1.9, FC=1.56)
Acetoacetyl-CoA
EC 1.1.1.36
EC 1.1.1.157
S-3-Hydroxybutyrul-CoA
R-3-Hydroxybutanoyl-CoA
EC 4.2.1.17
EC 4.2.1.55
Crotonyl-CoA
EC 1.3.8.1
Butyryl-CoA
EC 2.3.1.19
Butyryl phosphate
EC 2.8.3.8
EC 2.7.2.7
Butyrate
Phosphate acetyltransferase
(EC 2.3.1.8, FC=1.15)
Acetyl phosphate
EC 2.7.1.2
Acetate
L-lactate dehydrogenase
(EC 1.1.1.27, FC=1.60)
Lactate
EC 2.8.3.1
Lactoyl-CoA
EC 4.2.1.54
Acryoyl-CoA
EC 1.3.8.7
Pyruvate carboxylase
(EC 6.4.1.1, FC=1.20)
Oxaloacetate
EC 1.1.1.37
EC 1.3.5.1
Fumarate hydratase
(EC 4.2.1.2, FC=1.42)
Succinate
EC 6.2.1.5
Succinyl-CoA
Methylmalonyl-CoA mutase
(EC 5.4.99.2, FC=1.56)
Methylmalonyl-CoA epimerase
(EC 5.1.99.1, FC=1.80)
Propanoyl-CoA
EC 2.8.3.1
Propionate