
A
B1
B2
C
D
E
F
G
β-alanine biosynthesis I
1,2-dichlorobenzene degradation
1,2,4-trichlorobenzene degradation
1,2,4,5-tetrachlorobenzene degradation
1,3-dichlorobenzene degradation
2-deoxy-D-ribose degradation I
2-hydroxypenta-2,4-dienoate degradation
2-O-α-mannosyl-D-glycerate degradation
3-chlorotoluene degradation I
3-hydroxybutyryl-CoA dehydrogenase
3-phenylpropanoate and 3-(3-hydroxyphenyl)propanoate degradation to 2-hydroxypentadienoate
4-hydroxyphenylacetate degradation
4-methylphenyl adenosylcobamide biosynthesis from adenosylcobinamide-GDP
5'-deoxyadenosine degradation I
5'-deoxyadenosine degradation II
acetate formation from acetyl-CoA (succinate)
acetoacetate degradation (to acetyl CoA)
acrylate degradation II
aerobactin biosynthesis
anthranilate degradation IV (aerobic)
arginine deiminase test
autoinducer AI-2 degradation
chlorobenzene degradation
cinnamate and 3-hydroxycinnamate degradation to 2-hydroxypentadienoate
CMP-N-acetylneuraminate biosynthesis II (bacteria)
conversion of succinate to propanoate
curcumin degradation
D-allose degradation
D-gulosides conversion to D-glucosides
D-mannose degradation I
D-threonate degradation
dTDP-β-L-rhamnose biosynthesis
Ferredoxin:NAD+ oxidoreductase
formaldehyde assimilation III (dihydroxyacetone cycle)
fructoselysine and psicoselysine degradation
glycerol degradation II
glycine betaine biosynthesis III (plants)
heme degradation IV
heme degradation V
indigo biosynthesis
kojibiose degradation
L-arginine degradation XIII (reductive Stickland reaction)
L-asparagine biosynthesis III (tRNA-dependent)
L-carnitine degradation III
L-histidine degradation I
L-histidine degradation VI
L-idonate degradation
L-isoleucine biosynthesis III
L-methionine salvage from L-homocysteine
L-threonate degradation
L-threonine degradation III (to methylglyoxal)
lathyrine biosynthesis
lipid A-core biosynthesis (E. coli K-12)
lipoprotein posttranslational modification
maltose degradation
N-acetylneuraminate and N-acetylmannosamine degradation II
NAD salvage pathway I (PNC VI cycle)
nitrobenzene degradation II
phenol degradation I (aerobic)
phenyl adenosylcobamide biosynthesis from adenosylcobinamide-GDP
phenylacetate degradation I (aerobic)
phenylethylamine degradation I
polymyxin A biosynthesis
putrescine degradation II
pyruvate fermentation to (S)-lactate
S-methyl-5'-thioadenosine degradation I
S-methyl-L-methionine cycle
salicylate biosynthesis I
salmochelin biosynthesis
salmochelin degradation
sucrose degradation I (sucrose phosphotransferase)
sucrose degradation III (sucrose invertase)
sucrose degradation IV (sucrose phosphorylase)
sulfoquinovose degradation I
trehalose degradation III
trehalose degradation IV
trehalose degradation V
vancomycin resistance I
vanillin and vanillate degradation I
16.3
13.3
10.4
7.51
4.57
1.62
-1.3
-4.2
-7.2
-10.1
-13.0