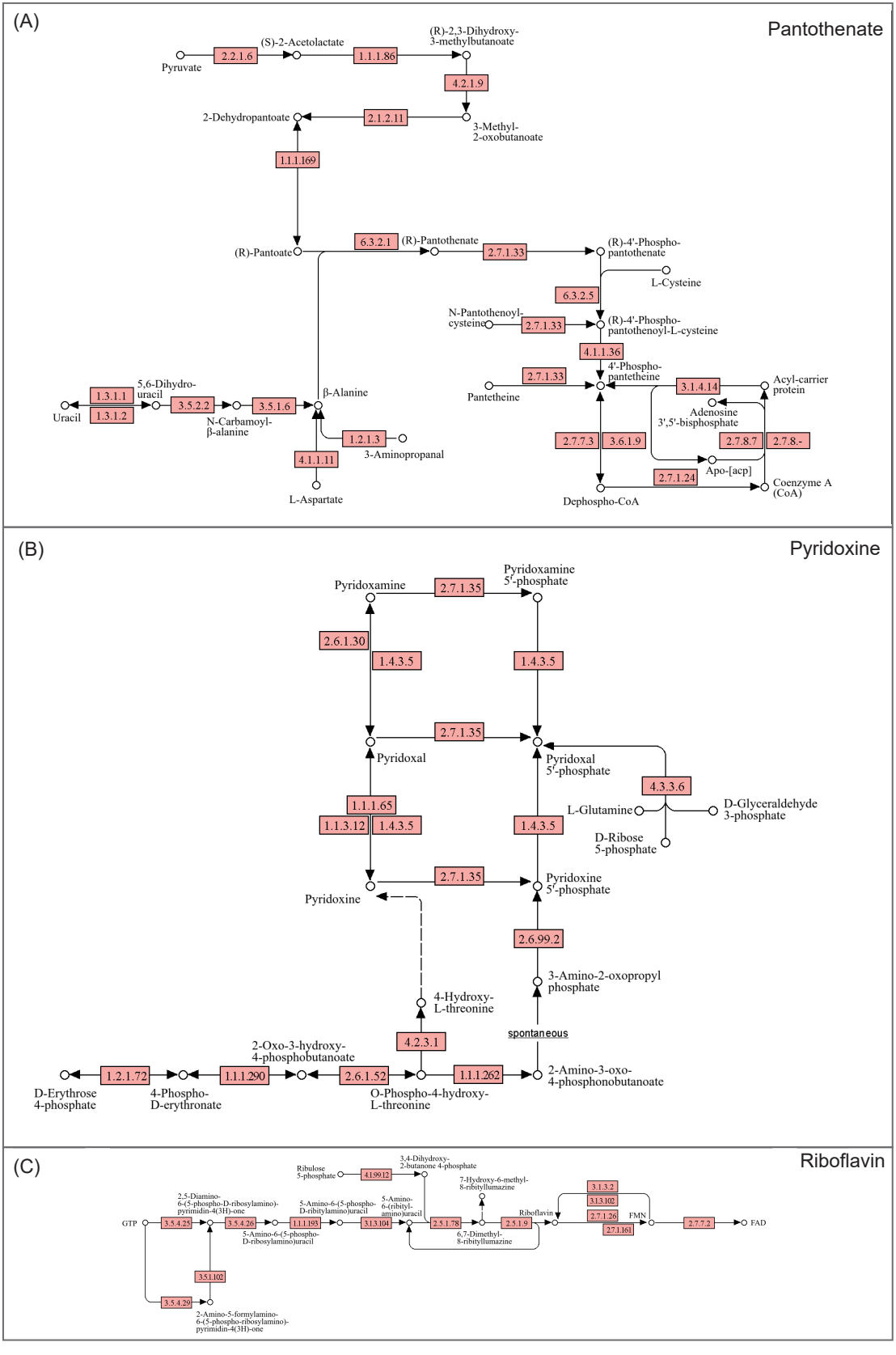
(A)
Pantothenate
Pyruvate
2.2.1.6
(S)-2-Acetolactate
1.1.1.86
(R)-2,3-Dihydroxy-3-methylbutanoate
4.2.1.9
3-Methyl-2-oxobutanoate
2.1.2.11
2-Dehydropantoate
1.1.1.169
(R)-Pantoate
6.3.2.1
(R)-Pantothenate
2.7.1.33
(R)-4'-Phospho-pantothenate
L-Cysteine
6.3.2.5
N-Pantothenoyl-cysteine
2.7.1.33
(R)-4'-Phospho-pantothenoyl-L-cysteine
4.1.1.36
4'-Phospho-pantetheine
2.7.1.33
Pantetheine
3.1.4.14
Acyl-carrier protein
Adenosine 3',5'-bisphosphate
2.7.8.7
2.7.8.-
2.7.7.3
3.6.1.9
Apo-[acp]
2.7.1.24
Coenzyme A (CoA)
Dephospho-CoA
1.3.1.1
5,6-Dihydro-uracil
1.3.1.2
Uracil
3.5.2.2
N-Carbamoyl-β-alanine
3.5.1.6
β-Alanine
1.2.1.3
3-Aminopropanal
4.1.1.11
L-Aspartate
(B)
Pyridoxine
Pyridoxamine
2.7.1.35
Pyridoxamine 5′-phosphate
2.6.1.30
1.4.3.5
1.4.3.5
2.7.1.35
Pyridoxal
Pyridoxal 5′-phosphate
4.3.3.6
L-Glutamine
D-Glyceraldehyde 3-phosphate
D-Ribose 5-phosphate
1.1.1.65
1.1.3.12
1.4.3.5
1.4.3.5
2.7.1.35
Pyridoxine
Pyridoxine 5′-phosphate
2.6.99.2
3-Amino-2-oxopropyl phosphate
4-Hydroxy-L-threonine
4.2.3.1
spontaneous
2-Oxo-3-hydroxy-4-phosphobutanoate
1.2.1.72
1.1.1.290
2.6.1.52
1.1.1.262
2-Amino-3-oxo-4-phosphonobutanoate
D-Erythrose 4-phosphate
4-Phospho-D-erythronate
O-Phospho-4-hydroxy-L-threonine
(C)
Riboflavin
Ribulose 5-phosphate
4.1.99.12
3,4-Dihydroxy-2-butanone 4-phosphate
7-Hydroxy-6-methyl-8-ribityllumazine
3.1.3.2
3.1.3.102
2.7.1.26
2.7.1.161
FMN
2.7.7.2
FAD
GTP
3.5.4.25
2,5-Diamino-6-(5-phospho-D-ribosylamino)-pyrimidin-4(3H)-one
3.5.4.26
5-Amino-6-(5-phospho-D-ribosylamino)uracil
1.1.1.193
5-Amino-6-(5-phospho-D-ribitylamino)uracil
3.1.3.104
5-Amino-6-(ribityl-amino)uracil
2.5.1.78
6,7-Dimethyl-8-ribityllumazine
2.5.1.9
Riboflavin
3.5.1.102
3.5.4.29
2-Amino-5-formylamino-6-(5-phospho-ribosylamino)-pyrimidin-4(3H)-one