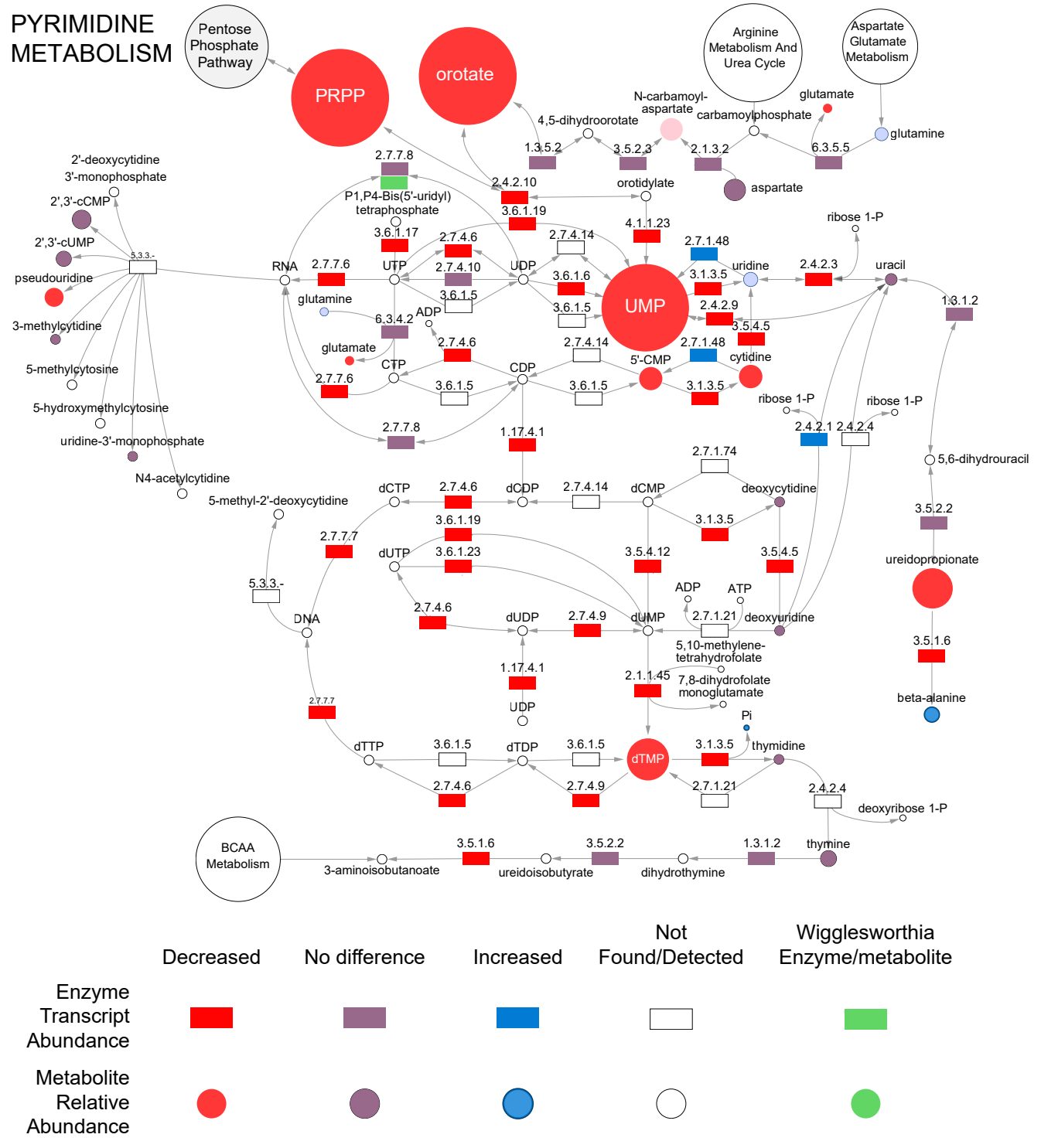
PYRIMIDINE METABOLISM
Pentose Phosphate Pathway
PRPP
orotate
Arginine Metabolism And Urea Cycle
Aspartate Glutamate Metabolism
N-carbamoyl-aspartate
carbamoylphosphate
glutamate
glutamine
4,5-dihydroorotate
1.3.5.2
3.5.2.3
2.1.3.2
6.3.5.5
aspartate
2.7.7.8
2.4.2.10
orotidylate
P1,P4-Bis(5'-uridyl) tetraphosphate
3.6.1.19
4.1.1.23
ribose 1-P
2'-deoxycytidine 3'-monophosphate
2',3'-cCMP
2',3'-cUMP
5.3.3.-
pseudouridine
3-methylcytidine
5-methylcytosine
5-hydroxymethylcytosine
uridine-3'-monophosphate
N4-acetylcytidine
RNA
2.7.7.6
UTP
UDP
UMP
2.7.4.6
2.7.4.10
2.7.4.14
3.6.1.6
3.6.1.5
3.6.1.17
2.7.1.48
uridine
3.1.3.5
2.4.2.3
uracil
1.3.1.2
glutamine
6.3.4.2
ADP
2.4.2.9
3.5.4.5
glutamate
CTP
CDP
5'-CMP
cytidine
2.7.1.48
ribose 1-P
2.4.2.1
2.4.2.4
1.17.4.1
2.7.7.8
5,6-dihydrouracil
2.7.1.74
dCTP
dCDP
dCMP
deoxycytidine
5-methyl-2'-deoxycytidine
3.6.1.19
3.1.3.5
3.5.2.2
ureidopropionate
2.7.7.7
dUTP
3.6.1.23
3.5.4.12
3.5.4.5
5.3.3.-
ADP
ATP
DNA
2.7.4.6
dUDP
2.7.4.9
dUMP
2.7.1.21
deoxyuridine
5,10-methylene-tetrahydrofolate
3.5.1.6
1.17.4.1
2.1.1.45
7,8-dihydrofolate monoglutamate
beta-alanine
2.7.7.7
UDP
Pi
dTTP
3.6.1.5
dTDP
dTMP
thymidine
2.7.4.6
2.7.4.9
2.7.1.21
2.4.2.4
deoxyribose 1-P
BCAA Metabolism
3.5.1.6
3.5.2.2
1.3.1.2
thymine
3-aminoisobutanoate
ureidoisobutyrate
dihydrothymine
Decreased
No difference
Increased
Not Found/Detected
Wigglesworthia Enzyme/metabolite
Enzyme Transcript Abundance
Metabolite Relative Abundance