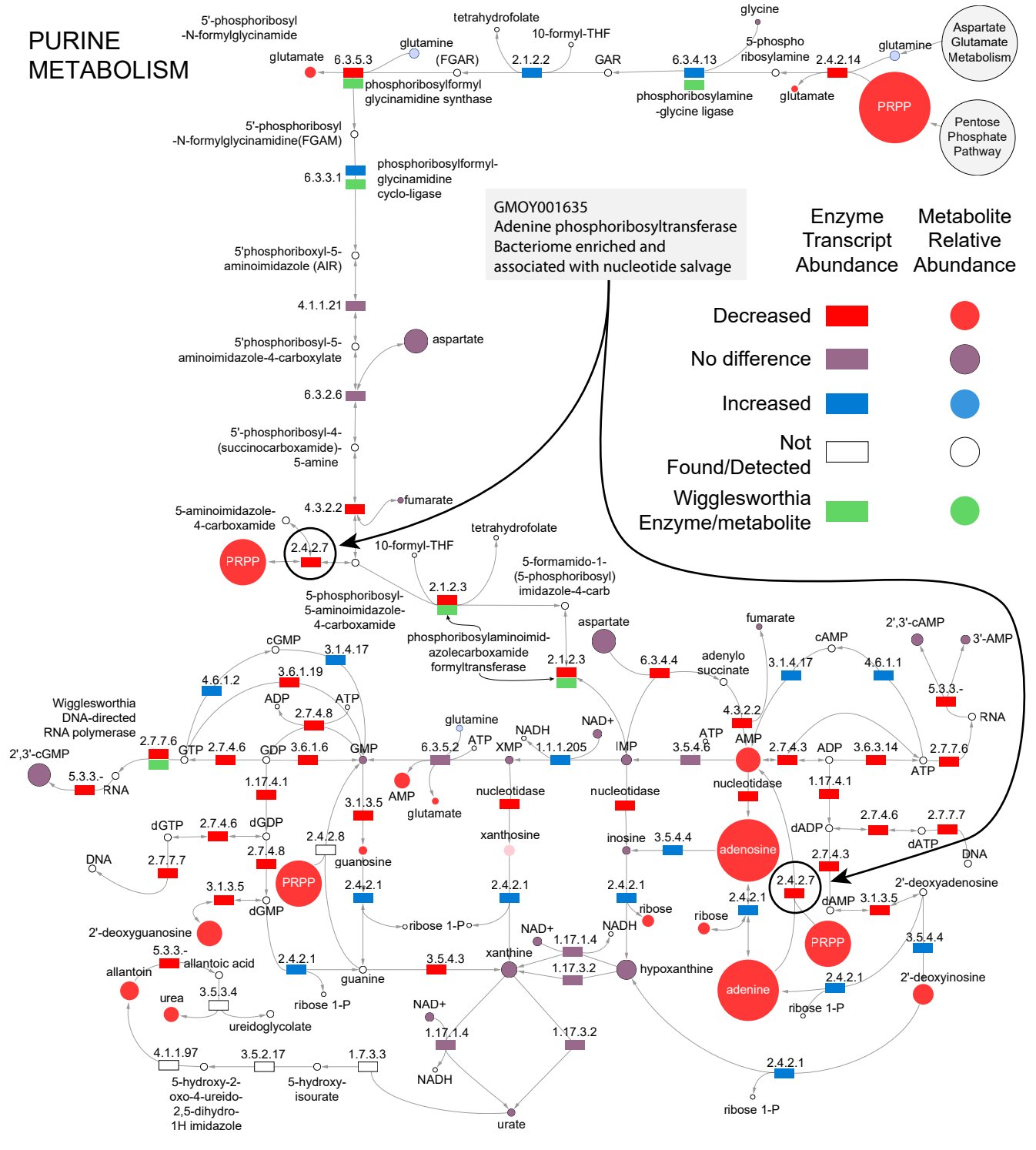
PURINE METABOLISM
5'-phosphoribosyl -N-formylglycinamide
glutamate
6.3.5.3
glutamine
phosphoribosylformyl glycinamidine synthase
tetrahydrofolate
10-formyl-THF
(FGAR)
2.1.2.2
GAR
glycine
6.3.4.13
phosphoribosylamine -glycine ligase
5-phospho ribosylamine
2.4.2.14
glutamine
glutamate
PRPP
Aspartate Glutamate Metabolism
Pentose Phosphate Pathway
5'-phosphoribosyl -N-formylglycinamidine(FGAM)
6.3.3.1
phosphoribosylformyl-glycinamidine cyclo-ligase
GMOY001635
Adenine phosphoribosyltransferase
Bacteriome enriched and associated with nucleotide salvage
Enzyme Transcript Abundance
Metabolite Relative Abundance
Decreased
No difference
Increased
Not Found/Detected
Wigglesworthia Enzyme/metabolite
5'phosphoriboxyl-5-aminoimidazole (AIR)
4.1.1.21
5'phosphoribosyl-5-aminoimidazole-4-carboxylate
aspartate
6.3.2.6
5'-phosphoribosyl-4-(succinocarboxamide)-5-amine
4.3.2.2
fumarate
5-aminoimidazole-4-carboxamide
PRPP
2.4.2.7
10-formyl-THF
tetrahydrofolate
5-formamido-1-(5-phosphoribosyl) imidazole-4-carb
2.1.2.3
5-phosphoribosyl-5-aminoimidazole-4-carboxamide
phosphoribosylaminoimid-azolecarboxamide formyltransferase
aspartate
fumarate
cGMP
3.1.4.17
4.6.1.2
3.6.1.19
ADP
ATP
2.7.4.8
Wigglesworthia DNA-directed RNA polymerase
2.7.7.6
GTP
2.7.4.6
GDP
3.6.1.6
GMP
2'3'-cGMP
5.3.3.-
RNA
1.17.4.1
3.1.3.5
AMP
glutamate
6.3.5.2
glutamine
ATP
XMP
NADH
1.1.1.205
NAD+
IMP
6.3.4.4
adenylo succinate
3.1.4.17
cAMP
4.6.1.1
2',3'-cAMP
3'-AMP
5.3.3.-
RNA
4.3.2.2
ATP
AMP
3.5.4.6
2.7.4.3
ADP
3.6.3.14
2.7.7.6
ATP
nucleotidase
nucleotidase
nucleotidase
1.17.4.1
dGTP
2.7.4.6
dGDP
DNA
2.7.7.7
2.7.4.8
2.4.2.8
guanosine
xanthosine
inosine
3.5.4.4
adenosine
dADP
2.7.4.6
2.7.7.7
dATP
DNA
2.7.4.3
PRPP
3.1.3.5
dGMP
2.4.2.1
2.4.2.1
2.4.2.1
2.4.2.7
2'-deoxyadenosine
2'-deoxyguanosine
ribose 1-P
ribose
ribose
2.4.2.1
dAMP
3.1.3.5
5.3.3.-
allantoin
allantoic acid
2.4.2.1
guanine
3.5.4.3
xanthine
NAD+
1.17.1.4
NADH
1.17.3.2
hypoxanthine
PRPP
3.5.4.4
urea
3.5.3.4
ureidoglycolate
ribose 1-P
NAD+
1.17.1.4
NADH
1.17.3.2
adenine
2.4.2.1
ribose 1-P
2'-deoxyinosine
4.1.1.97
3.5.2.17
1.7.3.3
5-hydroxy-2-oxo-4-ureido-2,5-dihydro-1H imidazole
5-hydroxy-isourate
urate
2.4.2.1
ribose 1-P