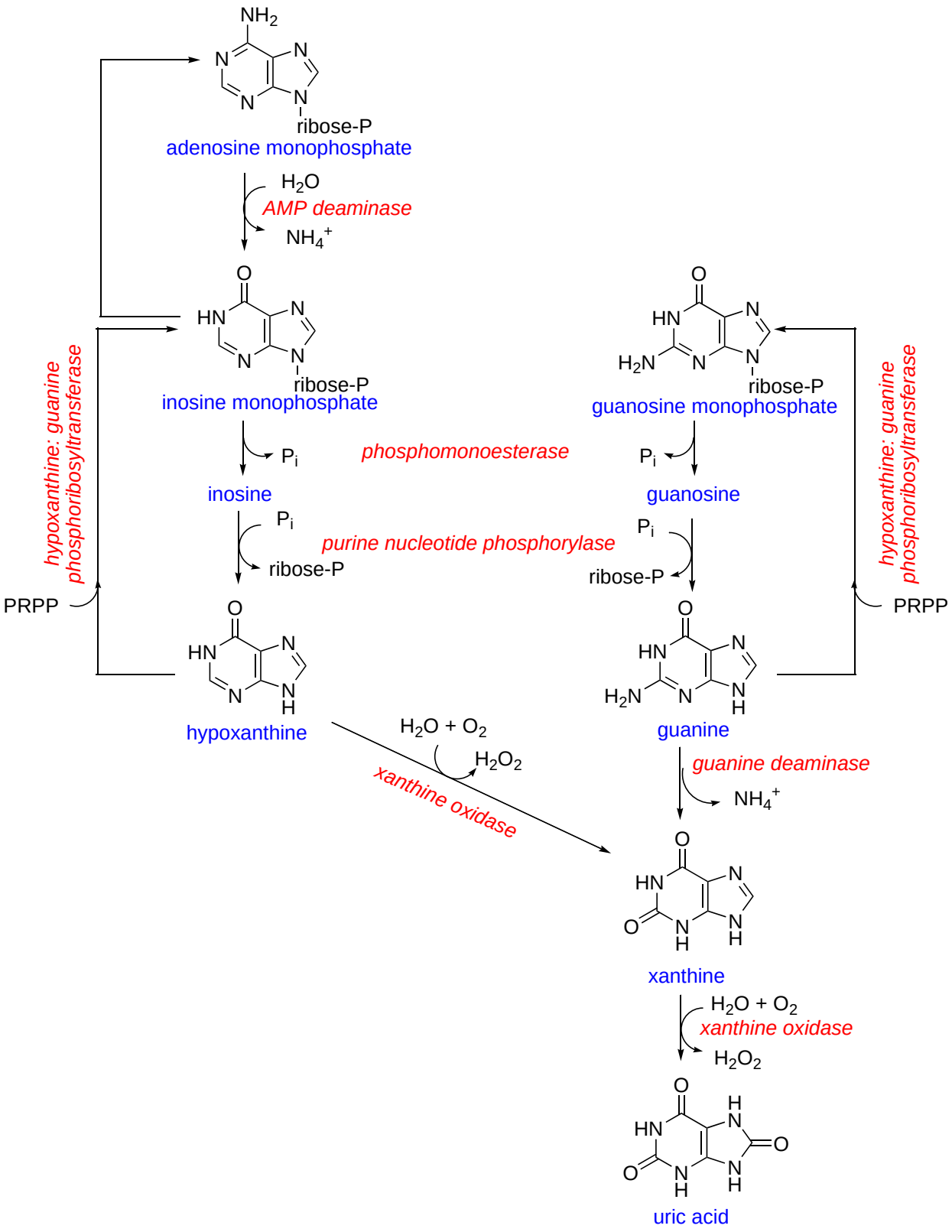
NH2
ribose-P
adenosine monophosphate
H2O
AMP deaminase
NH4+
O
HN
ribose-P
inosine monophosphate
Pi
inosine
Pi
ribose-P
hypoxanthine
H2O + O2
H2O2
xanthine oxidase
H2N
ribose-P
guanosine monophosphate
phosphomonoesterase
Pi
guanosine
Pi
ribose-P
guanine
guanine deaminase
NH4+
xanthine
H2O + O2
xanthine oxidase
H2O2
uric acid
hypoxanthine: guanine phosphoribosyltransferase
PRPP
purine nucleotide phosphorylase
hypoxanthine: guanine phosphoribosyltransferase
PRPP