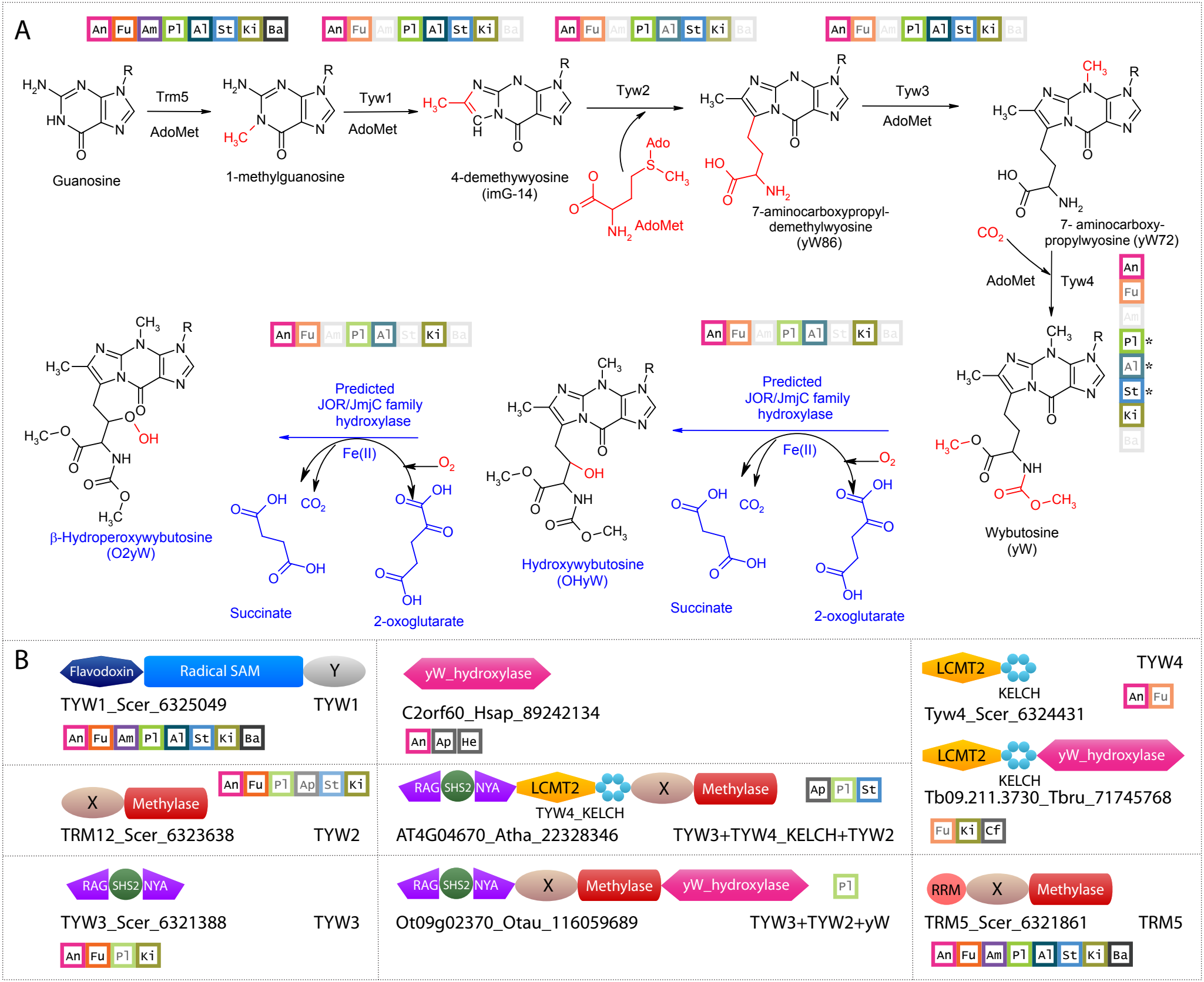
A
Guanosine
Trm5
AdoMet
1-methylguanosine
Tyw1
AdoMet
4-demethywyosine
(imG-14)
Tyw2
Ado
AdoMet
7-aminocarboxypropyl-
demethylwyosine
(yW86)
Tyw3
AdoMet
7- aminocarboxy-
propylwyosine (yW72)
CO2
AdoMet
Tyw4
Wybutosine
(yW)
Predicted
JOR/JmjC family
hydroxylase
Fe(II)
O2
CO2
Succinate
2-oxoglutarate
Hydroxywybutosine
(OHyW)
Predicted
JOR/JmjC family
hydroxylase
Fe(II)
O2
CO2
Succinate
2-oxoglutarate
β-Hydroperoxywybutosine
(O2yW)
B
Flavodoxin
Radical SAM
Y
TYW1_Scer_6325049
TYW1
yW_hydroxylase
C2orf60_Hsap_89242134
LCMT2
KELCH
TYW4
Tyw4_Scer_6324431
LCMT2
yW_hydroxylase
KELCH
Tb09.211.3730_Tbru_71745768
X
Methylase
TRM12_Scer_6323638
TYW2
RAG
SHS2
NYA
LCMT2
TYW4_KELCH
X
Methylase
AT4G04670_Atha_22328346
TYW3+TYW4_KELCH+TYW2
RAG
SHS2
NYA
TYW3_Scer_6321388
TYW3
RAG
SHS2
NYA
X
Methylase
yW_hydroxylase
Ot09g02370_Otau_116059689
TYW3+TYW2+yW
RRM
X
Methylase
TRM5_Scer_6321861
TRM5