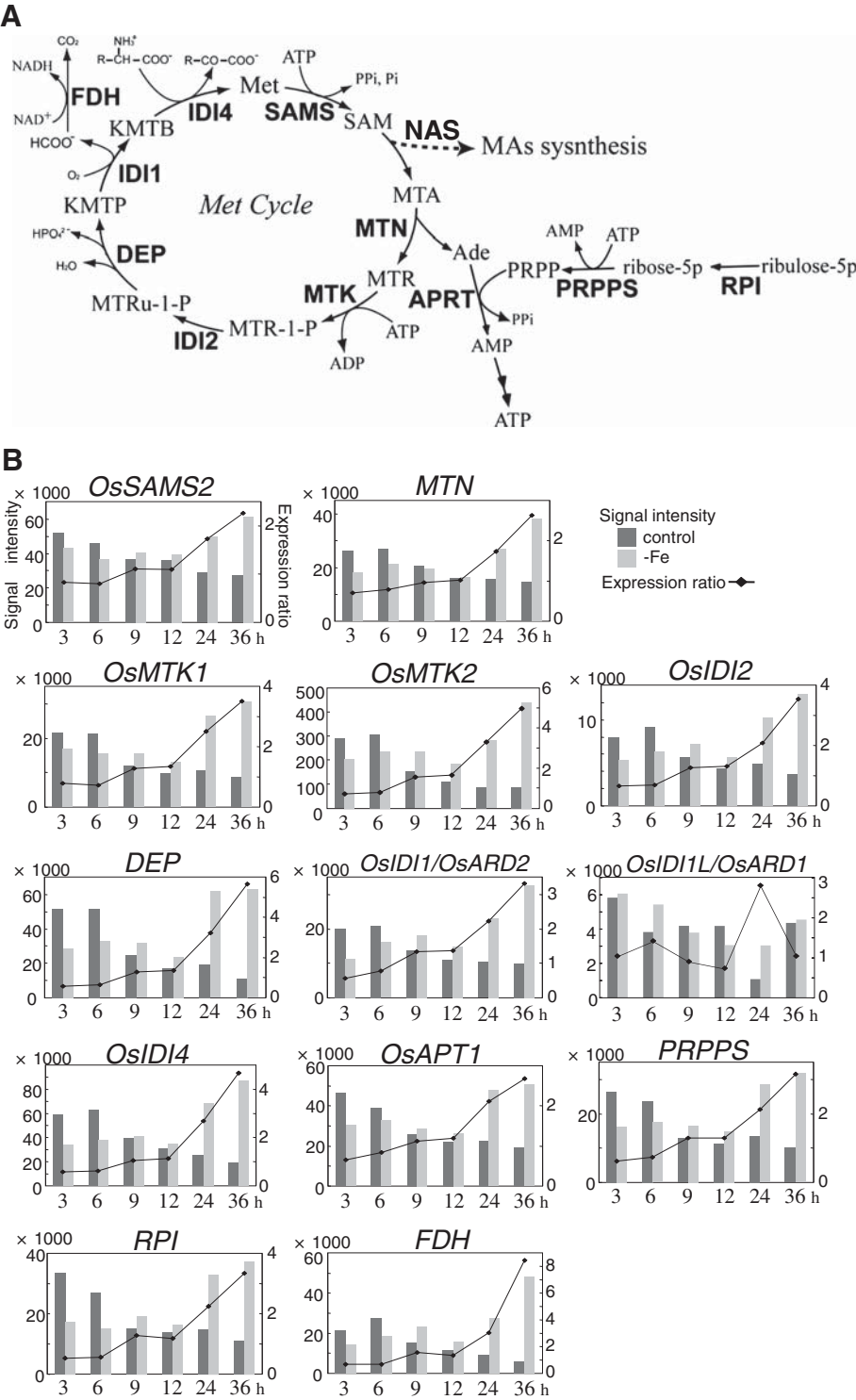
A
CO2
NADH
FDH
NAD+
HCOO-
O2
IDI1
KMTP
HPO4 2-
DEP
H2O
MTRu-1-P
IDI2
MTR-1-P
ATP
ADP
MTK
MTR
MTN
Ade
APRT
PPi
AMP
ATP
MTA
Met Cycle
KMTB
IDI4
R-CH-COO-
NH3+
R-CO-COO-
Met
SAMS
ATP
PPi, Pi
SAM
NAS
MAs sysnthesis
PRPP
AMP
ATP
ribose-5p
PRPPS
ribulose-5p
RPI
B
OsSAMS2
MTN
Signal intensity
Expression ratio
control
-Fe
OsMTK1
OsMTK2
OsIDI2
DEP
OsIDI1/OsARD2
OsIDI1L/OsARD1
OsIDI4
OsAPT1
PRPPS
RPI
FDH
3 6 9 12 24 36 h