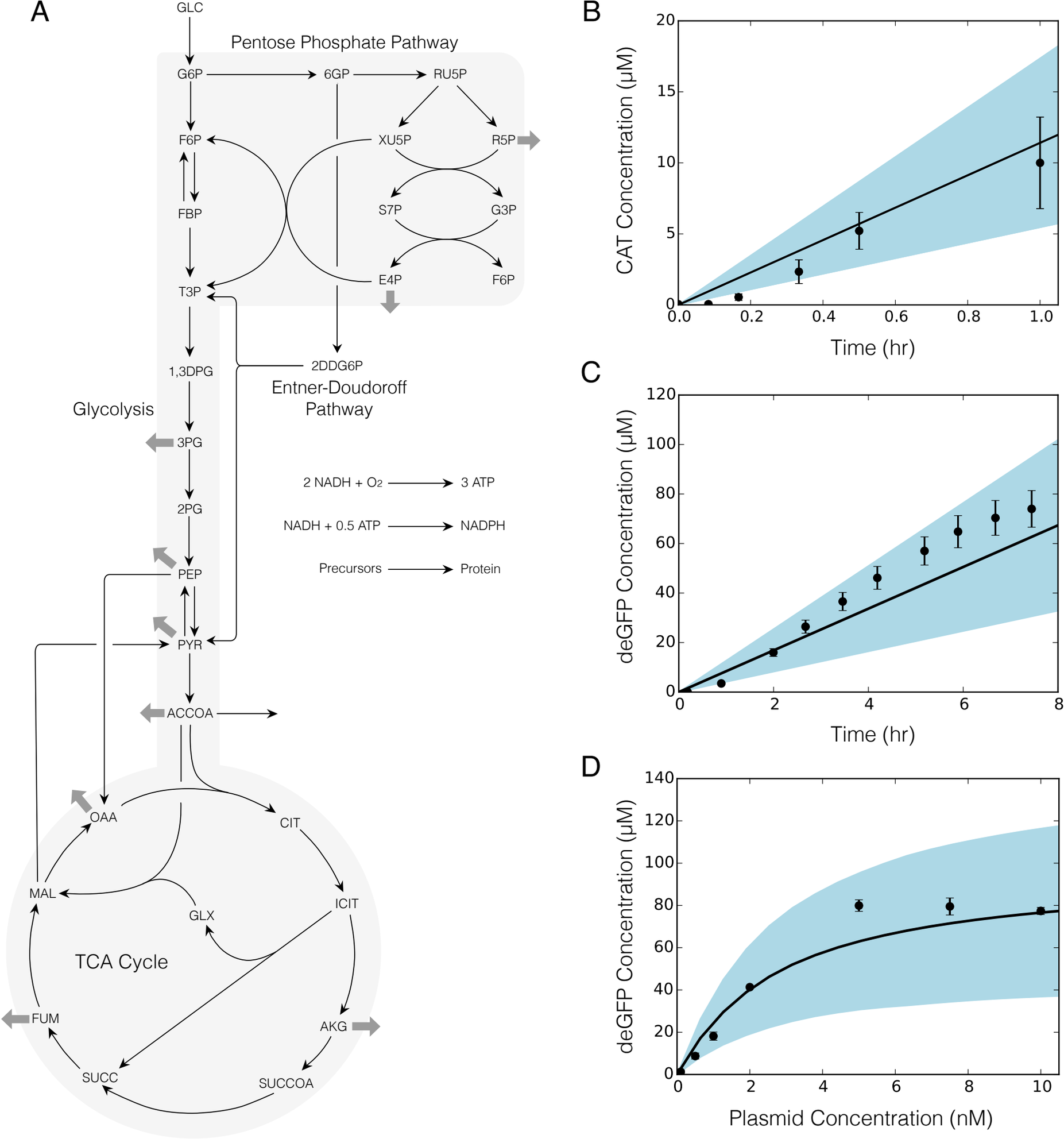
A
GLC
Pentose Phosphate Pathway
G6P
6GP
RU5P
F6P
XU5P
R5P
FBP
S7P
G3P
E4P
F6P
T3P
2DDG6P
1,3DPG
Entner-Doudoroff Pathway
Glycolysis
3PG
2 NADH + O2 → 3 ATP
2PG
NADH + 0.5 ATP → NADPH
PEP
Precursors → Protein
PYR
ACCOA
OAA
CIT
MAL
ICIT
GLX
TCA Cycle
FUM
AKG
SUCC
SUCCOA
B
CAT Concentration (μM)
Time (hr)
C
deGFP Concentration (μM)
Time (hr)
D
deGFP Concentration (μM)
Plasmid Concentration (nM)