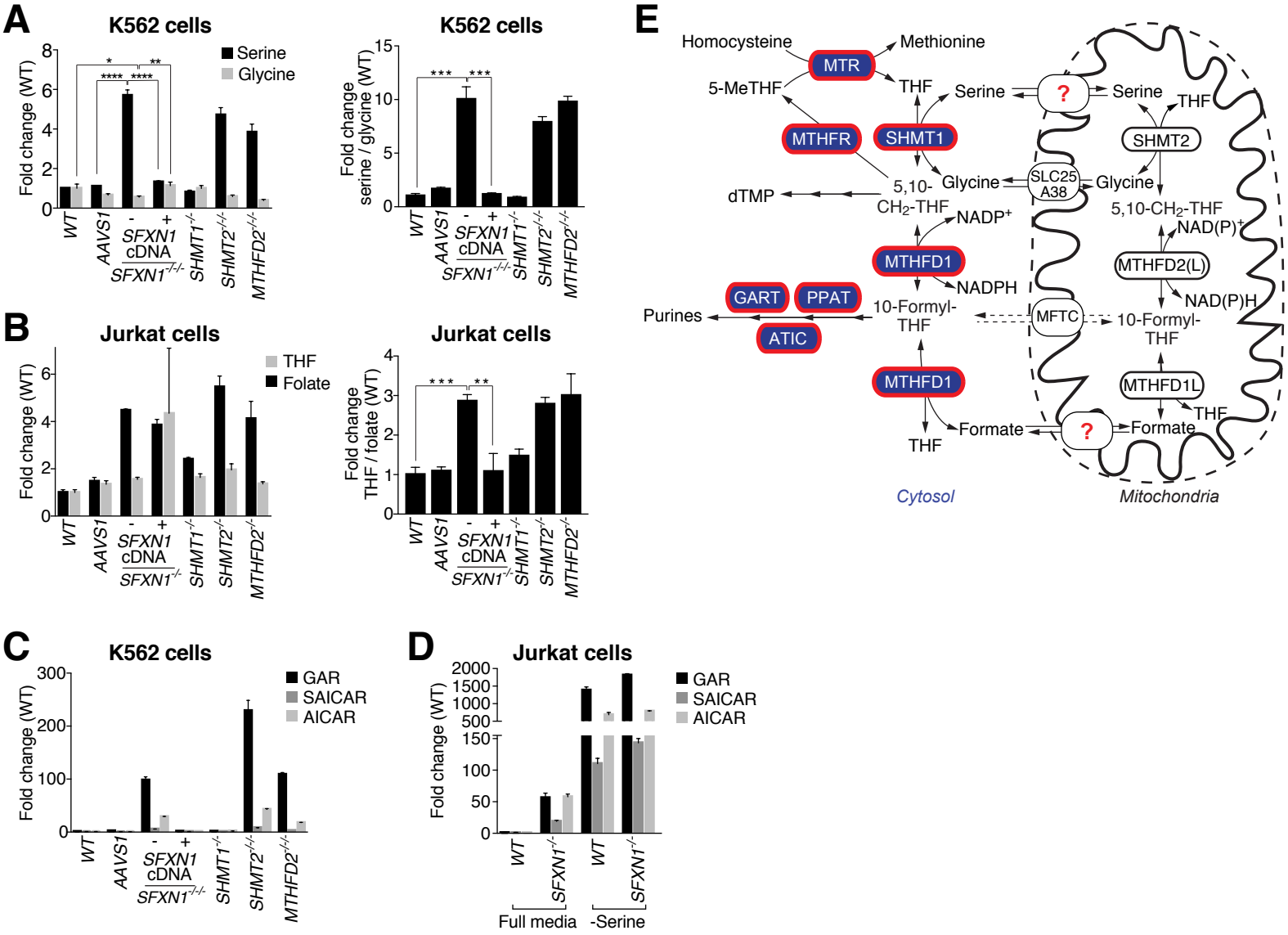
A
K562 cells
Serine
Glycine
Fold change (WT)
Fold change serine / glycine (WT)
WT
AAVS1
SFXN1 cDNA
SFXN1-/-/-
SHMT1-/-
SHMT2-/-/-
MTHFD2-/-/-
B
Jurkat cells
THF
Folate
Fold change THF / folate (WT)
C
GAR
SAICAR
AICAR
D
Full media
-Serine
E
Homocysteine
Methionine
MTR
5-MeTHF
THF
Serine
MTHFR
SHMT1
SHMT2
dTMP
5,10-CH2-THF
Glycine
SLC25 A38
NADP+
NAD(P)+
MTHFD1
MTHFD2(L)
NADPH
NAD(P)H
GART
PPAT
Purines
ATIC
10-Formyl-THF
MFTC
MTHFD1L
Formate
Cytosol
Mitochondria