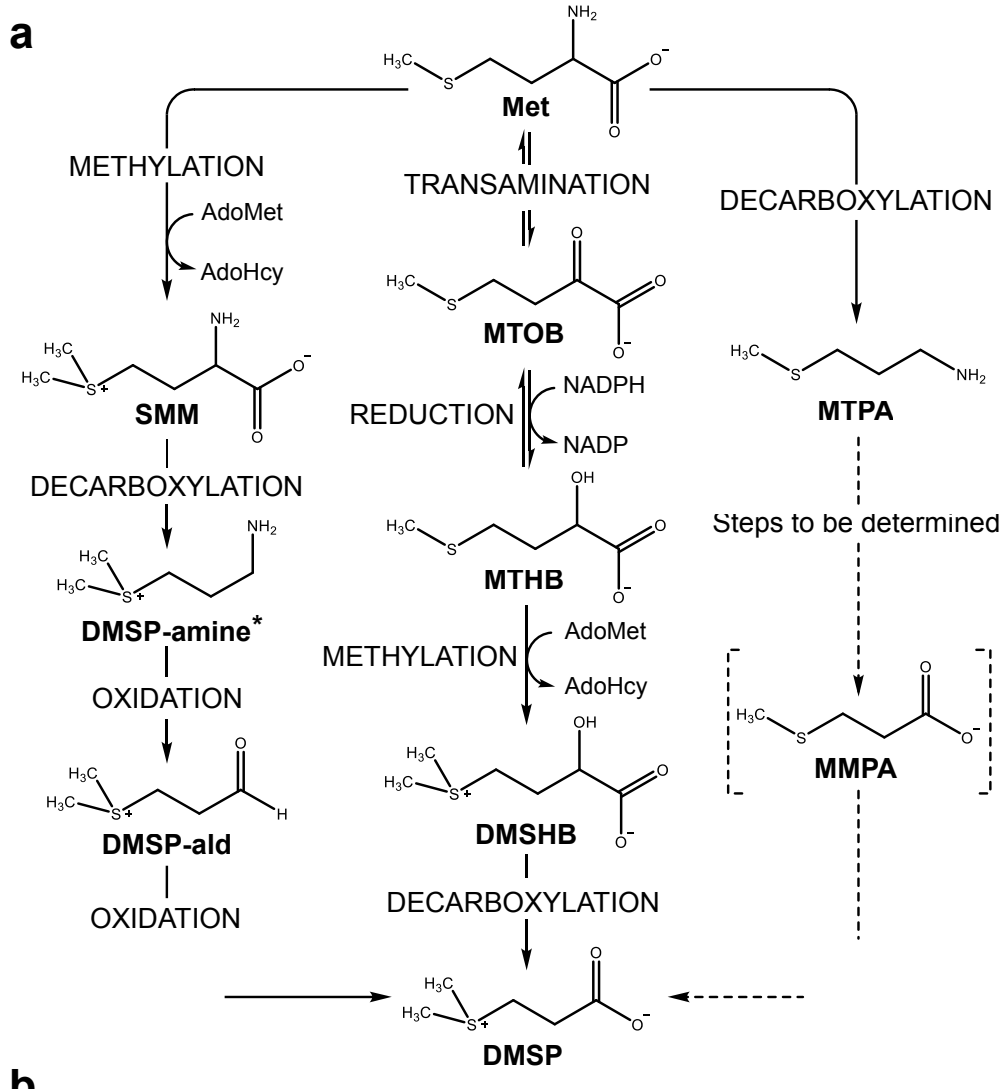
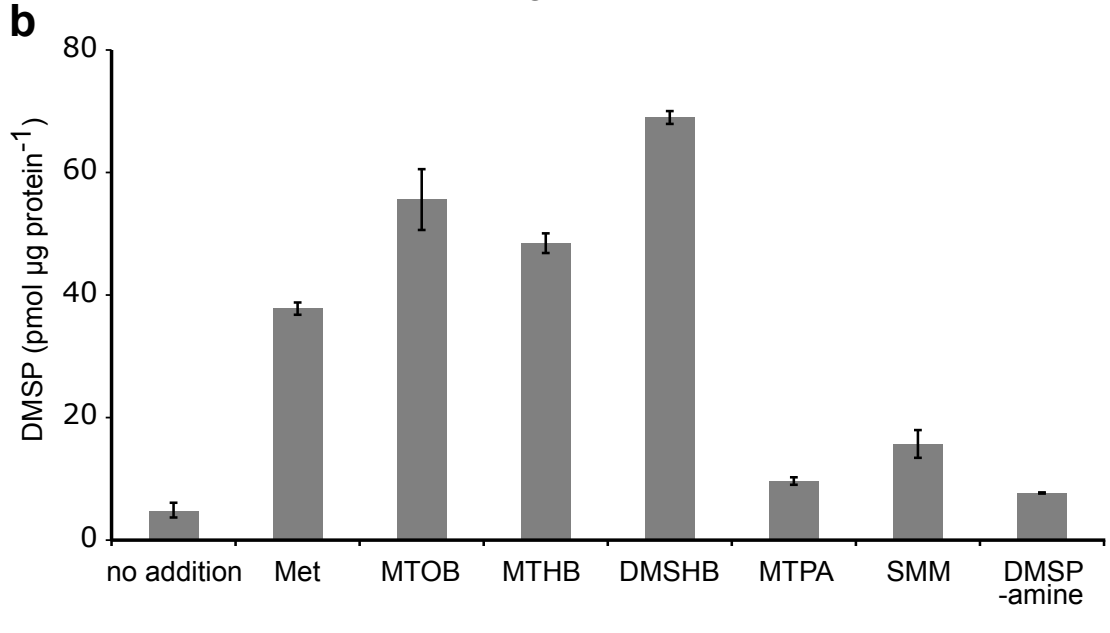
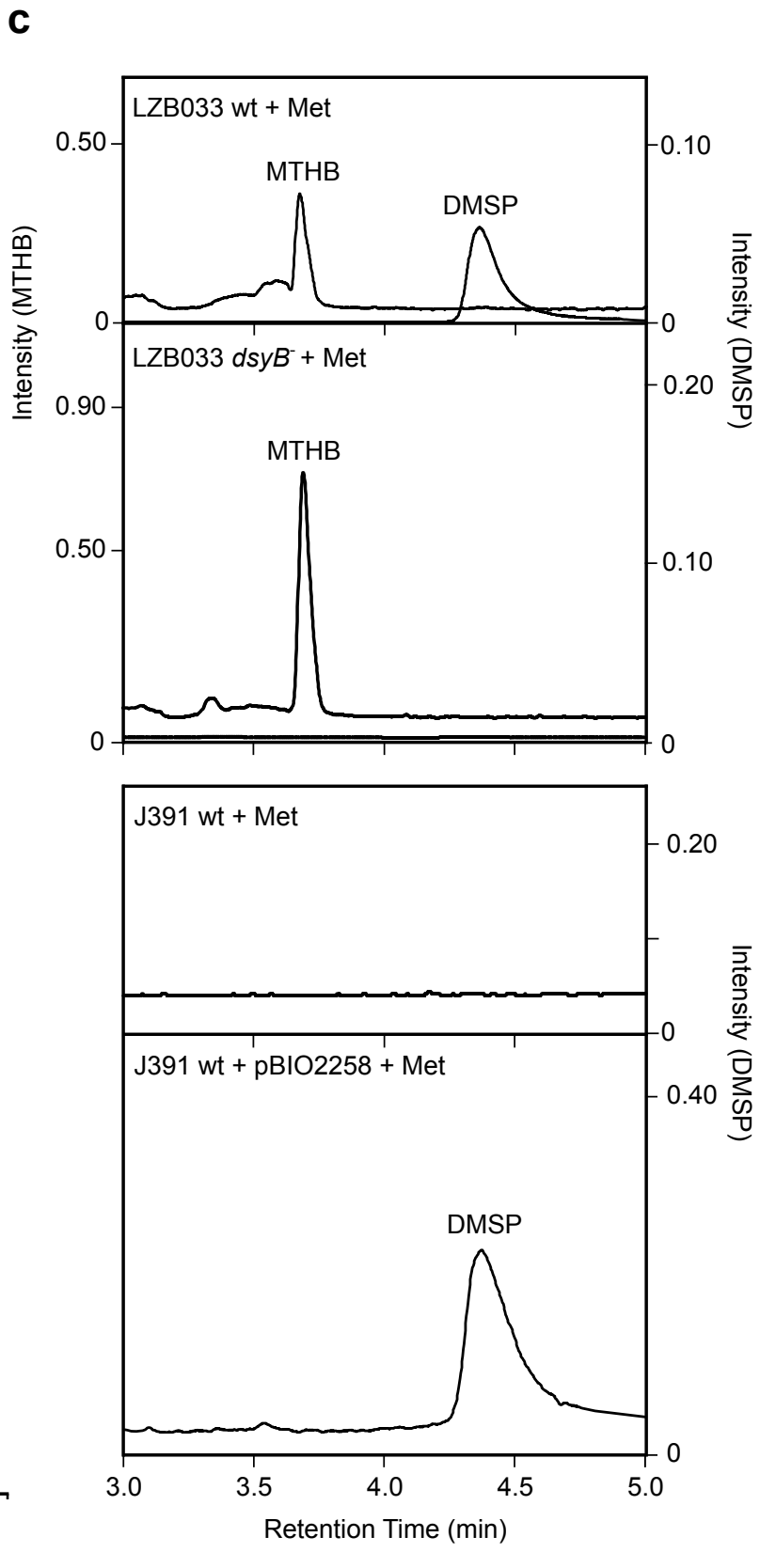

a
Met
METHYLATION
AdoMet
AdoHcy
TRANSAMINATION
DECARBOXYLATION
MTOB
SMM
REDUCTION
NADPH
NADP
MTPA
DECARBOXYLATION
Steps to be determined
MTHB
DMSP-amine*
METHYLATION
AdoMet
AdoHcy
OXIDATION
MMPA
DMSP-ald
DMSHB
OXIDATION
DECARBOXYLATION
DMSP


b
DMSP (pmol µg protein-1)
80
60
40
20
0
no addition
Met
MTOB
MTHB
DMSHB
MTPA
SMM
DMSP -amine


c
LZB033 wt + Met
MTHB
DMSP
LZB033 dsyB- + Met
MTHB
J391 wt + Met
J391 wt + pBIO2258 + Met
DMSP
Intensity (MTHB)
Intensity (DMSP)
0.50
0.90
0.10
0.20
0.40
0
3.0
3.5
4.0
4.5
5.0
Retention Time (min)