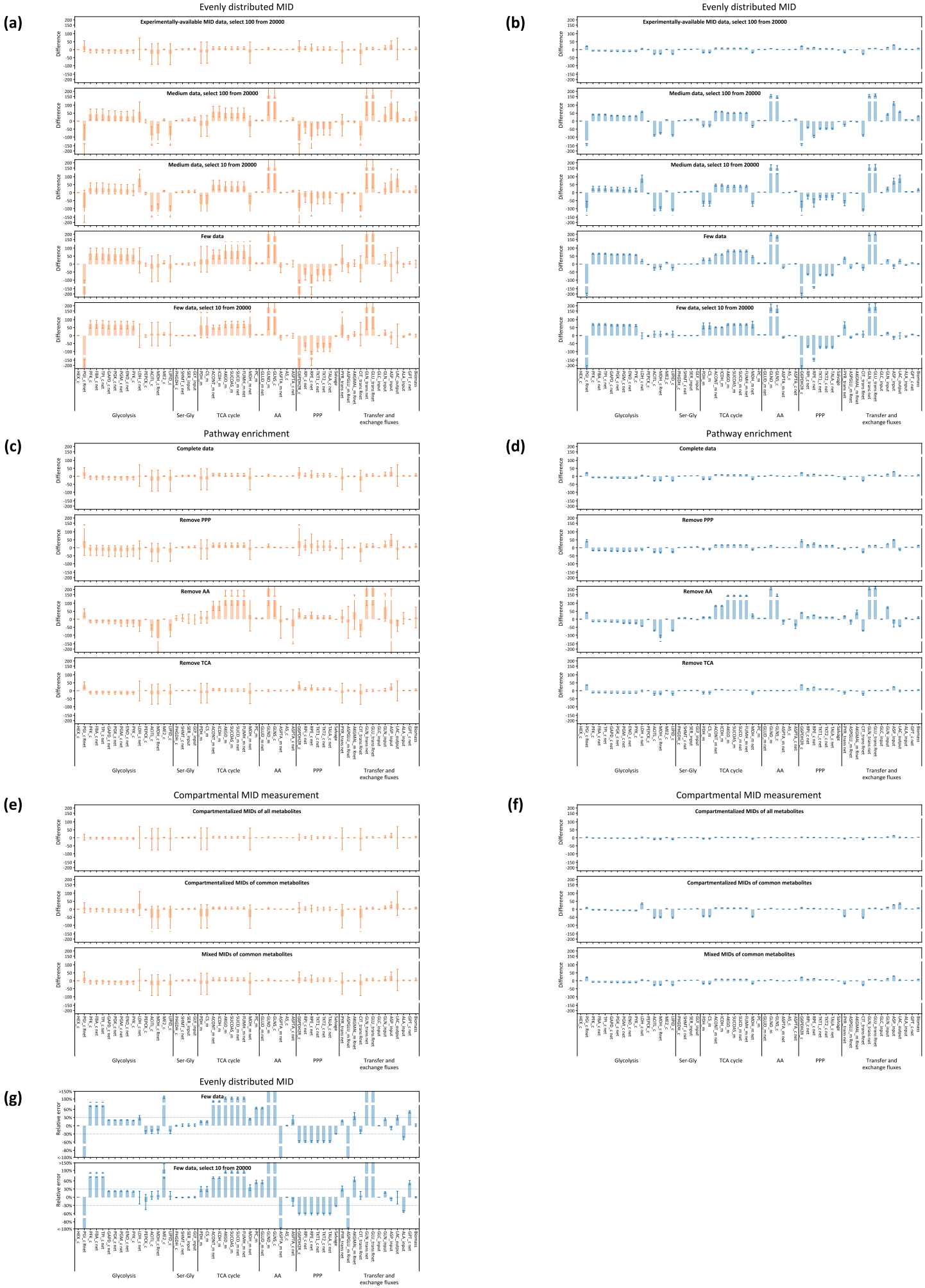
Figure S3


(a)
Evenly distributed MID
Experimentally-available MID data, select 100 from 20000
Medium data, select 100 from 20000
Medium data, select 10 from 20000
Few data
Few data, select 10 from 20000
Difference
(b)
Evenly distributed MID
Experimentally-available MID data, select 100 from 20000
Medium data, select 100 from 20000
Medium data, select 10 from 20000
Few data
Few data, select 10 from 20000
Difference
Glycolysis
Ser-Gly
TCA cycle
AA
PPP
Transfer and exchange fluxes
(c)
Pathway enrichment
Complete data
Remove PPP
Remove AA
Remove TCA
Difference
(d)
Pathway enrichment
Complete data
Remove PPP
Remove AA
Remove TCA
Difference
(e)
Compartmental MID measurement
Compartmentalized MIDs of all metabolites
Compartmentalized MIDs of common metabolites
Mixed MIDs of common metabolites
Difference
(f)
Compartmental MID measurement
Compartmentalized MIDs of all metabolites
Compartmentalized MIDs of common metabolites
Mixed MIDs of common metabolites
Difference
(g)
Evenly distributed MID
Few data
Few data, select 10 from 20000
Relative error