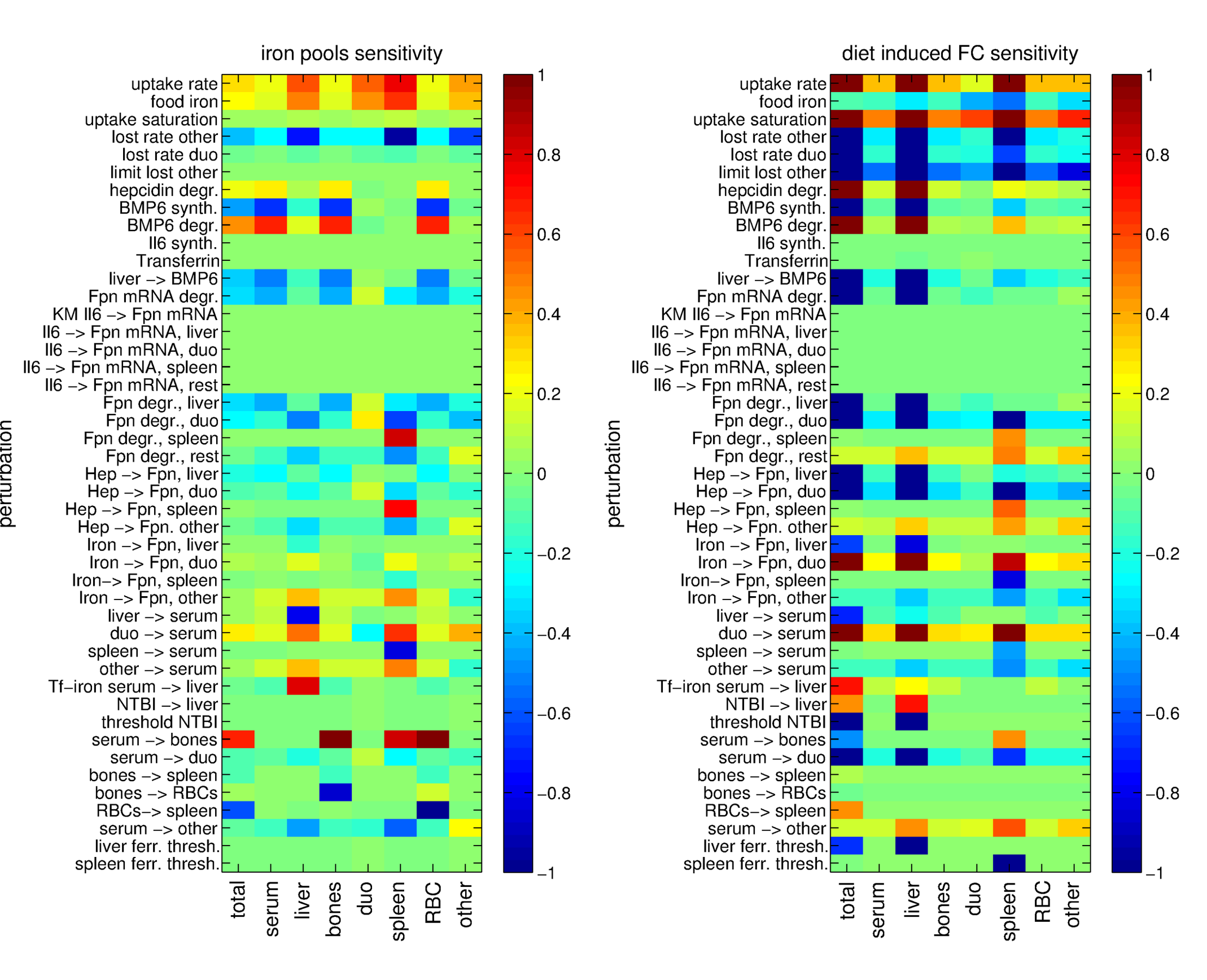
iron pools sensitivity
diet induced FC sensitivity
perturbation
uptake rate
food iron
uptake saturation
lost rate other
lost rate duo
limit lost other
hepcidin degr.
BMP6 synth.
BMP6 degr.
Il6 synth.
Transferrin
liver –> BMP6
Fpn mRNA degr.
KM Il6 –> Fpn mRNA
Il6 –> Fpn mRNA, liver
Il6 –> Fpn mRNA, duo
Il6 –> Fpn mRNA, spleen
Il6 –> Fpn mRNA, rest
Fpn degr., liver
Fpn degr., duo
Fpn degr., spleen
Fpn degr., rest
Hep –> Fpn, liver
Hep –> Fpn, duo
Hep –> Fpn, spleen
Hep –> Fpn. other
Iron –> Fpn, liver
Iron –> Fpn, duo
Iron–> Fpn, spleen
Iron –> Fpn, other
liver –> serum
duo –> serum
spleen –> serum
other –> serum
Tf–iron serum –> liver
NTBI –> liver
threshold NTBI
serum –> bones
serum –> duo
bones –> spleen
bones –> RBCs
RBCs–> spleen
serum –> other
liver ferr. thresh.
spleen ferr. thresh.
total
serum
liver
bones
duo
spleen
RBC
other
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1