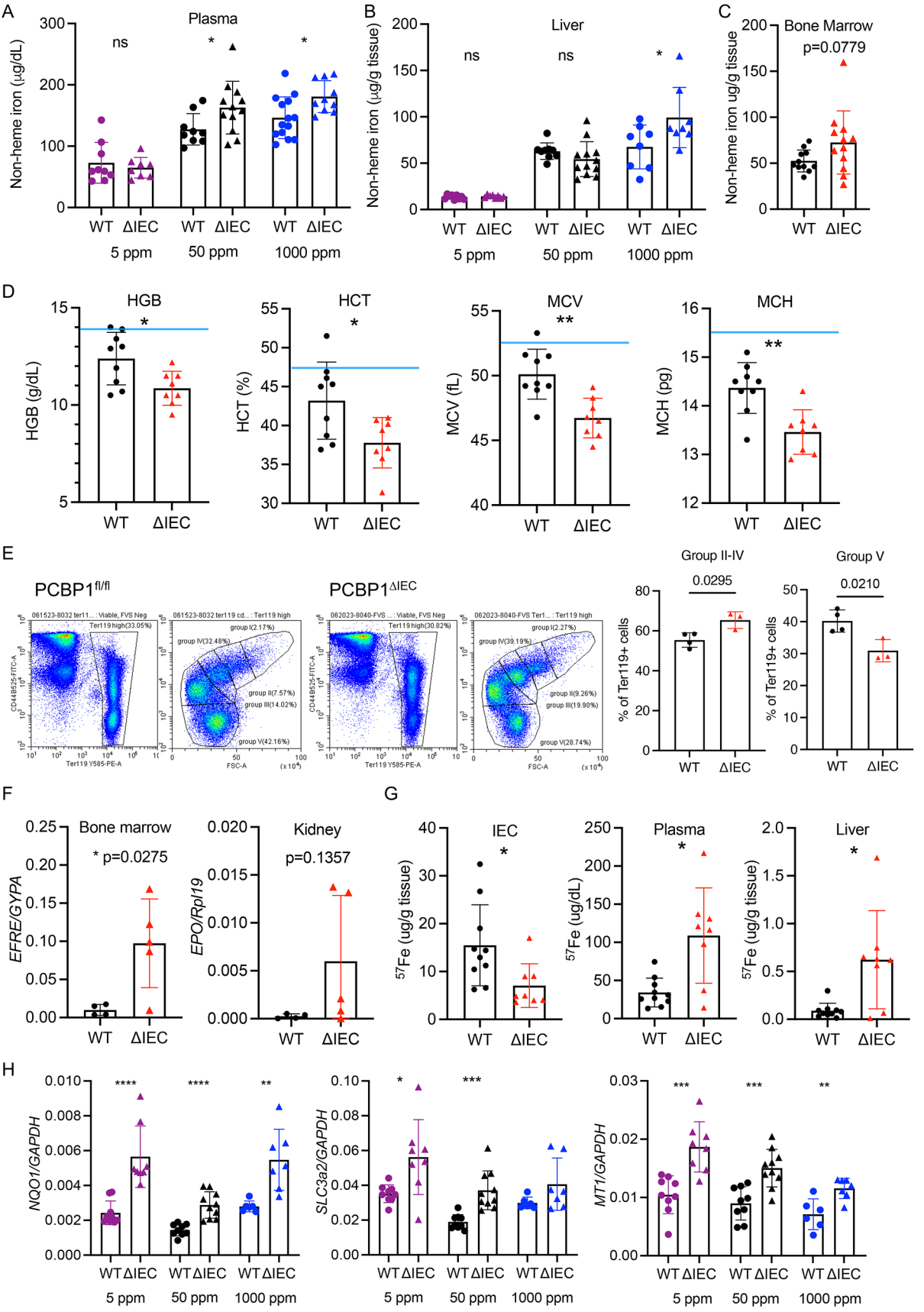
Figure 3


A
Plasma
Non-heme iron (µg/dL)
ns
*
*
WT ΔIEC WT ΔIEC WT ΔIEC
5 ppm 50 ppm 1000 ppm
B
Liver
Non-heme iron (µg/g tissue)
ns
ns
*
WT ΔIEC WT ΔIEC WT ΔIEC
5 ppm 50 ppm 1000 ppm
C
Bone Marrow
p=0.0779
Non-heme iron ug/g tissue
WT ΔIEC
D
HGB
HGB (g/dL)
*
HCT
HCT (%)
*
MCV
MCV (fL)
**
MCH
MCH (pg)
**
WT ΔIEC
E
PCBP1fl/fl
PCBP1ΔIEC
Ter119 high(33.05%)
group I(2.17%)
group IV(32.48%)
group II(7.57%)
group III(14.02%)
group V(42.16%)
Ter119 high(30.82%)
group I(2.27%)
group IV(39.19%)
group II(9.26%)
group III(19.90%)
group V(28.74%)
Ter119 Y585-PE-A
FSC-A
Group II-IV
0.0295
% of Ter119+ cells
Group V
0.0210
% of Ter119+ cells
WT ΔIEC
F
Bone marrow
* p=0.0275
EFRE/GYPA
Kidney
p=0.1357
EPO/Rpl19
WT ΔIEC
G
IEC
57Fe (ug/g tissue)
Plasma
57Fe (ug/dL)
Liver
57Fe (ug/g tissue)
WT ΔIEC
H
NQO1/GAPDH
SLC3a2/GAPDH
MT1/GAPDH
WT ΔIEC WT ΔIEC WT ΔIEC
5 ppm 50 ppm 1000 ppm