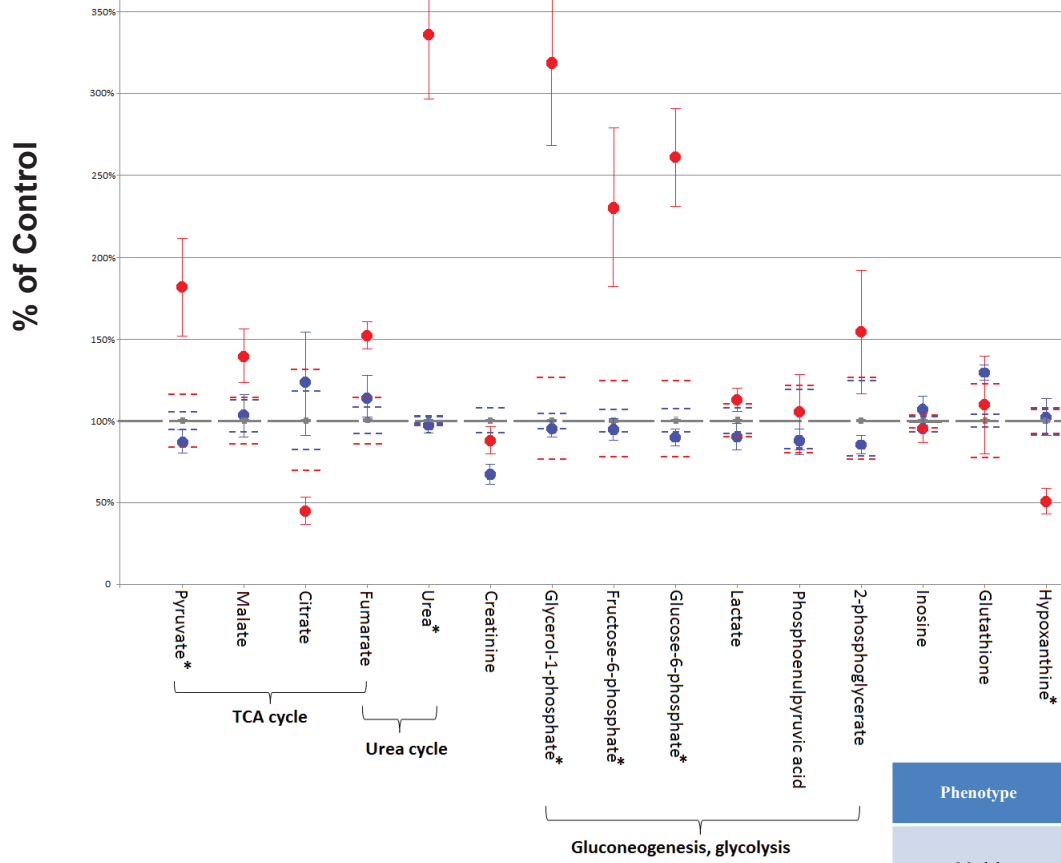
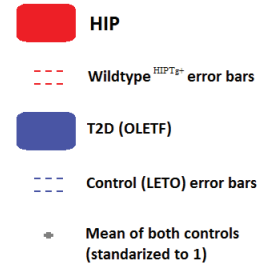


A Heart: HIP vs. T2D Significant Metabolites (Excluding Amino Acids)



Four Groups:



Present Study

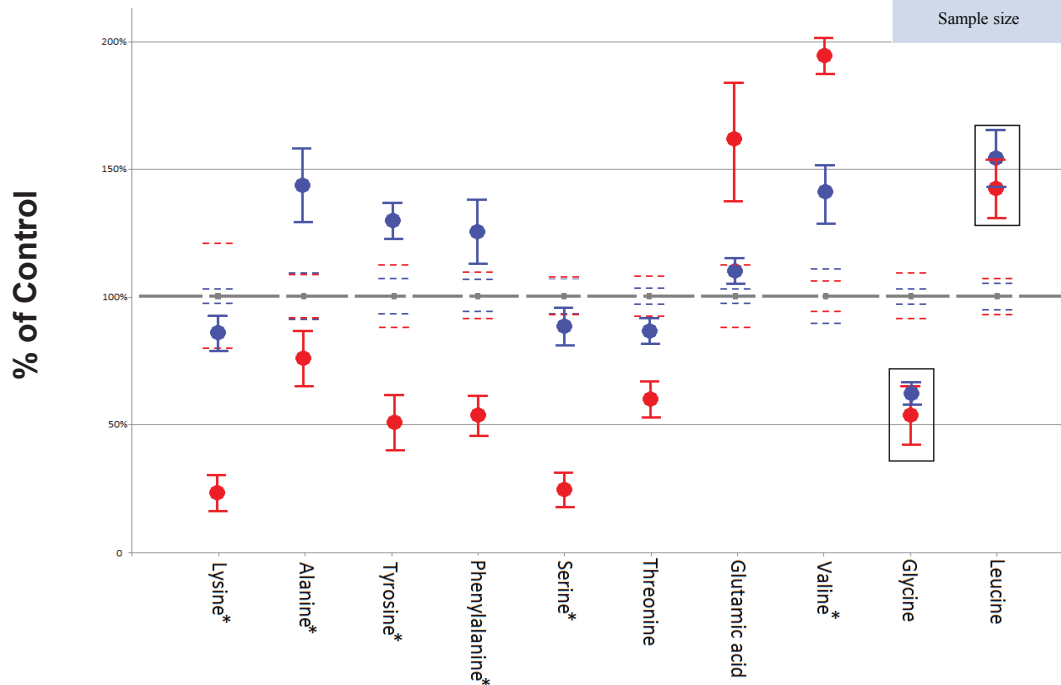
Type 2 Diabetes JMCC

*p < 0.05 HIP vs. T2D

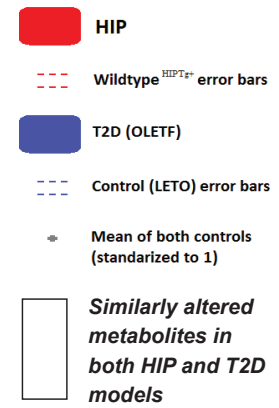
Phenotype	Wildtype	HIP transgenic	Wildtype	Type 2 diabetes (T2D)
Model	Sprague Dawley rats	Sprague Dawley rats	Long-Evans-Tokushima Otsuka rats	Otsuka Long-Evans-Tokushima fatty rats
Age	12 month old	10-12 month old	29-35 week old	29-35 week old
Methods	GC-MS Non-targeted	GC-MS Non-targeted	CE-TOFMS and CE-MS/MS Non-targeted	CE-TOFMS and CE-MS/MS Non-targeted
Plasma glucose levels (non-fasting)	97-140 mg/dl	445->600 mg/dl	115 ± 8	506 ± 34 mg/dl
Sample size	N=8/heart	N=8/heart	N=5/heart	N=5/heart

C

B Heart: HIP vs. T2D Amino Acids



Four Groups:



Present Study

Type 2 Diabetes JMCC