



Supplementary Figure S4, Funnel plot of *in vivo* metabolic reaction rates in mice. Related to Figure 2. MDVs of 23 metabolites from each sample were used to search the best reaction rate configuration. During the search, tracer glucose uptake rates were fixed at 100 nmol/g/min except for heart, lung, and brain tissue samples, where the rates were fixed at 50 nmol/g/min to prevent TCA reaction rates exceeding the set bounds. Both forward and reverse reaction rates were determined for reversible reactions. Plotted rates are medians of 25 best mathematical solutions from each group.