**Supplementary Material - Figures**

A screenshot of a white sheet

Description automatically generated

**Figure S1.** Summary representation of glutaryl-CoA dehydrogenase (GCDH) reaction pathway. Chemical structures are shown on the right of the main metabolites involved in GCDH reaction and those increased in glutaric acidemia type I (GA1; bold). This includes the metabolites directly involved in GCDH reaction and the main derivatives found increased in GA1 (glutaric acid, glutarylcarnitine, glutaconic acid, and 3-hydroxyglutaric acid). Dashed arrows represent metabolic reactions that precede and follow GCDH’s reaction.