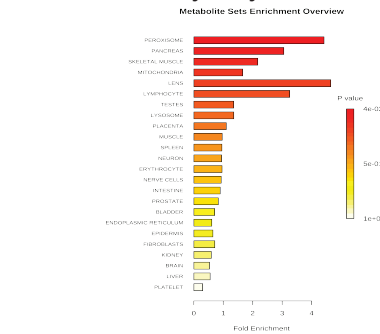
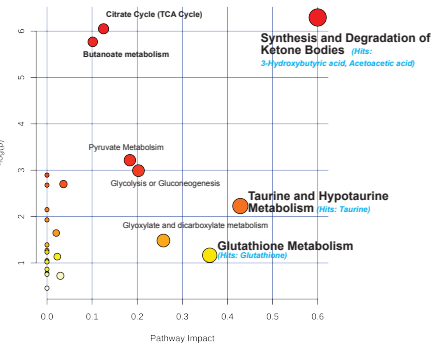


A Enrichment Analysis by Location



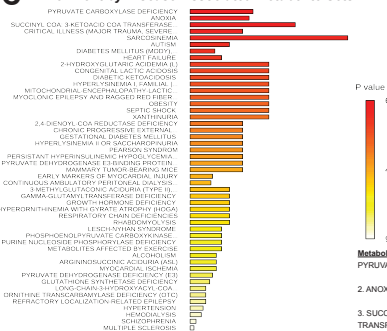
B Pathway Analysis



Metabolite Set	Total Hits	Expected	p value	Holm P	Details	
PEROXISOME	37	5	1.13	0.0039	0.222	Pyruvic acid, Sarcosine, Oxalic Acid, Taurine, Xanthine
PANCREAS	32	3	0.981	0.0699	1	Oxalic Acid, Inosine, Oleic Acid
SKELTAL MUSCLE	45	3	1.38	0.154	1	Xanthine, Oleic Acid, Sarcosine
MITOCHONDRIA	98	5	3.01	0.17	1	Glutathione, Adenosine, Pantothenic Acid, Pyruvic Acid, Sarcosine

Overview

C Enrichment by Disease-Associated Metabolite Sets



Metabolite Set	Total Hits	Expected	p Value	Holm P	FDR	Details
1. PYRUVATE CARBOXYLASE DEFICIENCY	4	4	5.16E-4	0.177	0.177	3-Hydroxybutyric acid, Acetoacetic acid, Pyruvic acid, Lysine
2. ANOXIA	8	3	0.355	0.00368	1.0	0.63 3-Hydroxybutyric acid, Acetoacetic acid, Pyruvic acid
3. SUCCINYL COA:3-KETOACID COA TRANSFERASE DEFICIENCY	3	2	0.133	0.00549	1.0	0.63 3-Hydroxybutyric acid, Acetoacetic acid
4. CRITICAL ILLNESS (MAJOR TRAUMA, SEVERE SEPTIC OR (CARDIOGENIC SHOCK))	6	2	0.266	0.0253	1.0	1.0 Adenosine, Inosine
5. AUTISM	8	2	0.355	0.0447	1.0	1.0 Adenosine, Glutathione
6. DIABETES MELLITUS (MODY), NON-INSULIN-DEPENDENT	19	3	0.843	0.0463	1.0	1.0 Citric acid, 3-Hydroxybutyric acid, Taurine
8. HEART FAILURE	10	2	0.444	0.0681	1.0	1.0 Taurine, 3-Hydroxybutyric acid

Figure 8.