

## Targeted Metabolomics

Targeted metabolomics is to establish the standard curve of target metabolites by using standard substances, so as to qualitatively and quantitatively analyze the target metabolites. PANOMIX developed targeted metabolic data analysis process which is based on high precision absolute quantification and thus could provide comprehensive data analysis.

### Targeted Assays

Products	Metabolites	Representative Metabolites
Short Chain Fatty Acids	7	Acetic acid, propionic acid, isobutyric acid, butyric acid, isovaleric acid, valeric acid and caproic acid
Amino Acids	22	L-Asparagine, L-Phenylalanine, L-Valine, L-Lysine, L-Phenylalanine ...
Neurotransmitter	23	Noradrenaline hydrochloride, Hydroxytyramine hydrochloride, Melatonin...
Bile Acids	41	AlloLCA, LCA, isoLCA, NorDCA...
Free Fatty Acids	51	Caproate, Caprylate, Caprate, Laurate...
TMAO and Analogues	5	Choline, Choline, TMAO, Creatinine, L-Carnitine
Organic Acid	26	Lactic acid, Lactic acid, Fumaric acid, Malic acid...
Tryptophan	30	2-AP, NAm, NAm, NAm
Flavone	35	Catechin, Genistein, Puerarin, Diosmin...
Energy Metabolism	20	PEP, FBP, GTP, R5P.....
Plant Hormones	40	Auxins, Gibberellin, Cytokinin, Strigolactones....
Total	300	

### Product Advantage

External standard  
+ internal  
standard Absolute  
quantitative

Multi - index  
quality control,  
Strict and Reliable

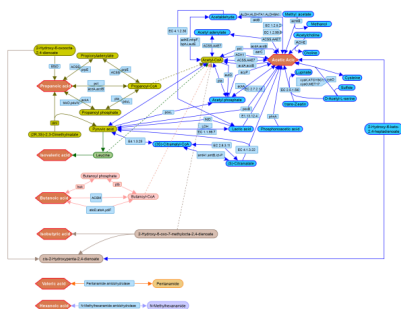
Web+pdf version  
Easy to read and  
easy to operate

professional  
Pre-sale +  
post-sales  
support 24h 1V1  
full service

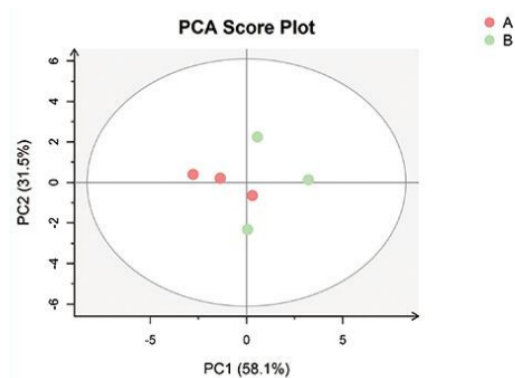
Standard +  
isotope Accurate  
quantification

Comprehensive Experiment +  
analysis Deeply excavate the  
information contained in datas,  
Comprehensive interpretation of the  
report information

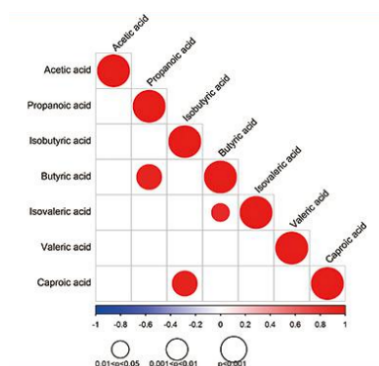
## Web Report Display



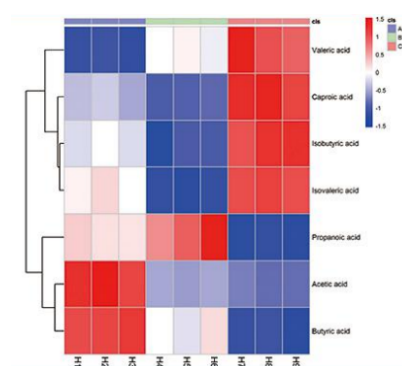
Metabolic Pathway Map



PCA Scoring Figure



Associated Heat Map



The Overall Heat

## Applications

Disease biomarker screening

Etiology and pathological mechanism

Disease diagnosis and grading Clinical efficacy evaluation

Drug toxicological evaluation

Study on abiotic environment relationship

Metabolic pathways and functional genomics

Plants and microorganisms

Glucose metabolic pathway regulation

Drug inhibito

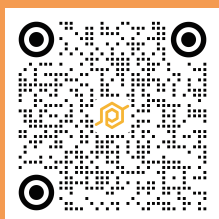
The immune regulation

Plant growth and development regulation

The food industry

Fruit and vegetable storage

Agronomic traits



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