メタボローム解析

代謝物質リスト

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Methylated products

- Met
- Methionine Sulfoxide
- S-Adenosyl-L-methionine
- Putrescine
- Spermidine
- Spermine
- S-Adenosyl-L-homocysteine
- Homocysteine
- Cystathionine
- O-Succinyl-L-homoserine
- Homoserine
- Cys
- Cysteamine
- L-Cysteinesulfinic acid
- Hypotaurine
- Taurine
- Thiotaurine
- O-Phospho-L-serine
- O-Acetyl-L-serine
- Cystine
- Gamma-Glu-Cys-OH
- Glutathione, reduced form
- Glutathione, oxidized form
- N-Methyl-Arg
- ADMA
- SDMA
- 2-Aminobutyrate
- γ-Glu-Abu
- γ-Glu-Ala
- γ-Glu-homoCys-Gly
- Ophthalmic acid
- Norophthalmic acid
- γ-Glu-homoCys
- Sarcosine
- Guanidinoacetate

Glycolysis

- Glucose 1-phosphate
- Glucose 6-phosphate
- Fructose 6-phosphate
- Fructose 1,6-diphosphate
- Dihydroxyacetonephosphate
- DL-Glyceraldehyde 3-phosphate
- 2,3-Diphosphoglycerate
- 3-Phosphoglycerate
- Phosphoenolpyruvate
- Pyruvate
- Lactate

Pentose phosphate pathway

- Gluconate
- 6-Phosphogluconate
- Ribulose 5-phosphate
- Ribose 5-phosphate
- D-Sedoheptulose 7-phosphate
- Erythrose 4-phosphate
- 5-Phosphoribosyl-pyrophosphate

Tryptophan metabolism

- Kynurenine
- Quinolinate

TCA Cycle

- cis-Aconitate
- 2-Oxoglutarate
- Succinate
- Fumarate
- Malate

Amino acids

- Gly
- Ala
- Ser
- Thr
- Val
- Ile
- Leu
- Lys
- Arg
- His
- Tyr
- Phe
- Trp
- Met
- Cys
- Pro
- Gln
- Glu
- Asn
- Asp

Urea cycle

- Glu
- Ornithine
- Putrescine
- Citrulline
- Arg
- Creatine
- Creatine phosphate
- Creatinine
- γ-Guanidinobutyrate
- Hydroxyproline

Nucleic acids

- Adenine
- Guanine
- Cytosine
- Uracil
- Adenosine
- Guanosine
- Cytidine
- Uridine
- Inosine
- Hypoxanthine
- Xanthine

Fatty acid metabolism

- L-Carnitine

Purine Pyrimidine metabolism

- Uric acid
- Allantoin

Oncometabolites

- 2-Hydroxyglutaric Acid
- S-(2-succinyl)-L-Cysteine
- Succinate
- Fumarate
- Sarcosine
- Kynurenine
- Quinolinate
- Guanidinoacetate
- N-Acetylaspartate
- N-Acetyl-Asp-Glu
- Putrescine

Miscellaneous

- Acetyl carnitine
- Cysteine-glutathione Disulfide
- Ergothioneine
- DL-Homocysteic acid
- Homolanthionine
- Lanthionine
- S-Methyl-L-cysteine
- Ala-Ala
- β-Ala-Lys
- Cys-Gly
- Gly-Gly
- Gly-Leu
- Glu-Glu

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