

List of Metabolites found by TMIC Prime Assay (High Value Metabolome Profiling Assay)

Compound	Class
C0 (Carnitine)	Acylcarnitines
C10 (Decanoylcarnitine)	Acylcarnitines
C10:1 (Decenoylcarnitine)	Acylcarnitines
C10:2 (decadienylcarnitine)	Acylcarnitines
C12 (dodecanoylcarnitine)	Acylcarnitines
C12:1 (Dodecenoylcarnitine)	Acylcarnitines
C12-DC (dodecanedioylcarnitine)	Acylcarnitines
C14 (tetradecanoylcarnitine)	Acylcarnitines
C14:1 (tetradecenoyl carnitine)	Acylcarnitines
C14:1-OH (Hydroxytetradecenoyl carnitine)	Acylcarnitines
C14:2 (Tetradecadienylcarnitine)	Acylcarnitines
C14:2-OH (hydroxytetradecadienylcarnitine)	Acylcarnitines
C16 (Hexadecanoylcarnitine)	Acylcarnitines
C16:1 (Hexadecenoylcarnitine)	Acylcarnitines
C16:1-OH (Hydroxyhexadecenoylcarnitine)	Acylcarnitines
C16:2 (Hexadecadienylcarnitine)	Acylcarnitines
C16:2-OH (hydroxyhexadecadienylcarnitine)	Acylcarnitines
C16-OH (hydroxyhexadecanoylcarnitine)	Acylcarnitines
C18 (Octadecanoylcarnitine)	Acylcarnitines
C18:1 (Octadecenoylcarnitine)	Acylcarnitines
C18:1-OH (Hydroxyoctadecenoylcarnitine)	Acylcarnitines
C18:2 (Octadecadienylcarnitine)	Acylcarnitines
C2 (Acetylcarnitine)	Acylcarnitines
C3 (Propionylcarnitine)	Acylcarnitines
C3:1 (Propenoylcarnitine)	Acylcarnitines
C3-OH (hydroxyPropionylcarnitine)	Acylcarnitines
C4 (butyrylcarnitine)	Acylcarnitines
C4:1 (Butenylcarnitine)	Acylcarnitines
C4-OH (C3-DC) (Hydroxybutyrylcarnitine)	Acylcarnitines
C5 (Valerylcarnitine)	Acylcarnitines
C5:1 (Tiglylcarnitine)	Acylcarnitines
C5:1-DC (Glutaconylcarnitine)	Acylcarnitines
C5-DC (C6-OH)(Glutaryl carnitine)	Acylcarnitines
C5-M-DC (methylglutaryl carnitine)	Acylcarnitines
C5-OH (C3-DC-M) (hydroxyvalerylcarnitine)	Acylcarnitines
C6 (C4:1-DC) (Hexanoylcarnitine)	Acylcarnitines
C6:1 (Hexenoylcarnitine)	Acylcarnitines
C7-DC (pimelylcarnitine)	Acylcarnitines
C8 (Octanoylcarnitine)	Acylcarnitines

Compound	Class
C9 (Nonaylcarnitine)	Acylcarnitines
Alanine	Amino acids
Arginine	Amino acids
Asparagine	Amino acids
Aspartate	Amino acids
Betaine	Amino acids
Citrulline	Amino acids
Glutamate	Amino acids
Glutamine	Amino acids
Glycine	Amino acids
Histidine	Amino acids
Homocysteine	Amino acids
Isoleucine	Amino acids
Leucine	Amino acids
Lysine	Amino acids
Methionine	Amino acids
Methylhistidine	Amino acids
Ornithine	Amino acids
Phenylalanine	Amino acids
Proline	Amino acids
Serine	Amino acids
Threonine	Amino acids
Tryptophan	Amino acids
Tyrosine	Amino acids
Valine	Amino acids
Acetylorntithine	Biogenic Amines
alpha-Aminoadipicacid	Biogenic Amines
Carnosine	Biogenic Amines
Creatinine	Biogenic Amines
Diacetylspermine	Biogenic Amines
Dimethylarginine (asymmetric)	Biogenic Amines
Dimethylarginine (total)	Biogenic Amines
DOPA	Biogenic Amines
Dopamine	Biogenic Amines
Histamine	Biogenic Amines
Hydroxyproline (c4-OH-Pro)	Biogenic Amines
Hydroxyproline (t4-OH-Pro)	Biogenic Amines
Kynurenine	Biogenic Amines
Methioninesulfoxide	Biogenic Amines
Nitrotyrosine	Biogenic Amines
Phenylethylamine	Biogenic Amines
Putrescine	Biogenic Amines

Compound	Class
Sarcosine	Biogenic Amines
Serotonin	Biogenic Amines
Spermidine	Biogenic Amines
Spermine	Biogenic Amines
Taurine	Biogenic Amines
Tyramine	Biogenic Amines
lysoPC a C14:0	Glycerophospholipids
lysoPC a C16:0	Glycerophospholipids
lysoPC a C16:1	Glycerophospholipids
lysoPC a C17:0	Glycerophospholipids
lysoPC a C18:0	Glycerophospholipids
lysoPC a C18:1	Glycerophospholipids
lysoPC a C18:2	Glycerophospholipids
lysoPC a C20:3	Glycerophospholipids
lysoPC a C20:4	Glycerophospholipids
lysoPC a C24:0	Glycerophospholipids
lysoPC a C26:0	Glycerophospholipids
lysoPC a C26:1	Glycerophospholipids
lysoPC a C28:0	Glycerophospholipids
lysoPC a C28:1	Glycerophospholipids
lysophosphatidylcholine (lysoPC a C18:2)	Glycerophospholipids
PC aa C32:2	Glycerophospholipids
PC aa C38:0	Glycerophospholipids
PC aa C38:6	Glycerophospholipids
PC aa C40:1	Glycerophospholipids
PC aa C40:2	Glycerophospholipids
PC aa C40:6	Glycerophospholipids
PC acyl-alkyl (ae) C40:6	Glycerophospholipids
PC ae C36:0	Glycerophospholipids
PC diacyl (aa) C36:6	Glycerophospholipids
SM (OH) C14:1	Glycerophospholipids
SM (OH) C16:1	Glycerophospholipids
SM (OH) C22:1	Glycerophospholipids
SM (OH) C22:2	Glycerophospholipids
SM (OH) C24:1	Glycerophospholipids
SM C16:0	Glycerophospholipids
SM C16:1	Glycerophospholipids
SM C18:0	Glycerophospholipids
SM C18:1	Glycerophospholipids
SM C20:2	Glycerophospholipids
Glucose	Monosaccharides
alpha-Ketoglutaric acid	Organic Acids

Compound	Class
Butyric acid	Organic Acids
Citric acid	Organic Acids
Fumaric acid	Organic Acids
Hippuric acid	Organic Acids
Homovanillic acid	Organic Acids
HPPHA (3-Hydroxyphenyl-3-hydroxypropionic acid)	Organic Acids
beta-Hydroxybutyric acid	Organic Acids
para-Hydroxyhippuric acid	Organic Acids
Indole acetic acid	Organic Acids
Isobutyric acid	Organic Acids
Lactic acid	Organic Acids
Methylmalonic acid	Organic Acids
Propionic acid	Organic Acids
Pyruvic acid	Organic Acids
Succinic acid	Organic Acids
Uric acid	Organic Acids
Choline	Other
Creatine	Other
Phosphocreatine	Other
TMAO (Trimethylamine N-oxide)	Other