

## TMIC High Value Metabolome Profiling Assay

Metabolite	Group	HMDB ID
<a href="#">Acetylorithine</a>	Biogenic Amines	HMDB0003357
<a href="#">Asymmetric dimethylarginine</a>	Biogenic Amines	HMDB0001539
<a href="#">total dimethylarginine</a>	Biogenic Amines	HMDB0251395
<a href="#">alpha-Aminoadipicacid</a>	Biogenic Amines	HMDB0302754
<a href="#">Carnosine</a>	Biogenic Amines	HMDB0000033
<a href="#">Creatinine</a>	Biogenic Amines	HMDB0000562
<a href="#">Dopa</a>	Biogenic Amines	HMDB0000181
<a href="#">Dopamine</a>	Biogenic Amines	HMDB0000073
<a href="#">Histamine</a>	Biogenic Amines	HMDB0000870
<a href="#">Kynurenine</a>	Biogenic Amines	HMDB0000684
<a href="#">Methioninesulfoxide</a>	Biogenic Amines	HMDB0250776
<a href="#">Hydroxyproline (t4-OH-Pro)</a>	Biogenic Amines	HMDB0000725
<a href="#">Hydroxyproline (c4-OH-Pro)</a>	Biogenic Amines	HMDB0240251
<a href="#">Phenylethylamine</a>	Biogenic Amines	HMDB0012275
<a href="#">Putrescine</a>	Biogenic Amines	HMDB0001414
<a href="#">Sarcosine</a>	Biogenic Amines	HMDB0000271
<a href="#">Serotonin</a>	Biogenic Amines	HMDB0000259
<a href="#">Spermidine</a>	Biogenic Amines	HMDB0001257
<a href="#">Spermine</a>	Biogenic Amines	HMDB0001256
<a href="#">Diacetylspermine</a>	Biogenic Amines	HMDB0041876
<a href="#">Taurine</a>	Biogenic Amines	HMDB0000251
<a href="#">Tyramine</a>	Biogenic Amines	HMDB0000306
<a href="#">Nitrotyrosine</a>	Biogenic Amines	HMDB0255667
<a href="#">Alanine</a>	Amino acid	HMDB0001310
<a href="#">Arginine</a>	Amino acid	HMDB0000517
<a href="#">Asparagine</a>	Amino acid	HMDB0033780
<a href="#">Aspartate</a>	Amino acid	HMDB0006483
<a href="#">Citrulline</a>	Amino acid	HMDB0000904
<a href="#">Glutamate</a>	Amino acid	HMDB0003339
<a href="#">Glutamine</a>	Amino acid	HMDB0000641
<a href="#">Glycine</a>	Amino acid	HMDB0000123
<a href="#">Histidine</a>	Amino acid	HMDB0000177
<a href="#">Isoleucine</a>	Amino acid	HMDB0000172
<a href="#">Leucine</a>	Amino acid	HMDB0000687
<a href="#">Lysine</a>	Amino acid	HMDB0000182
<a href="#">Methionine</a>	Amino acid	HMDB0000696
<a href="#">Ornithine</a>	Amino acid	HMDB0000214
<a href="#">Phenylalanine</a>	Amino acid	HMDB0000159
<a href="#">Proline</a>	Amino acid	HMDB0000162
<a href="#">Serine</a>	Amino acid	HMDB0000187
<a href="#">Threonine</a>	Amino acid	HMDB0250801
<a href="#">Tryptophan</a>	Amino acid	HMDB0013609

<a href="#">Tyrosine</a>	Amino acid	HMDB0000158
<a href="#">Valine</a>	Amino acid	HMDB0000883
<a href="#">Betaine</a>	Amino acid	HMDB0000043
<a href="#">TMAO</a>	Others	HMDB0000925
<a href="#">Choline</a>	Others	HMDB0000097
<a href="#">Creatine</a>	Others	HMDB0000064
<a href="#">Phosphocreatine</a>	Others	HMDB0001511
<a href="#">Methylhistidine</a>	Histidine	HMDB0000479
<a href="#">Homocysteine</a>	Carboxylic acid	HMDB0000742
<a href="#">C0 (Carnitine)</a>	Acylcarnitines	HMDB0000062
<a href="#">C2 (Acetylcarnitine)</a>	Acylcarnitines	HMDB0000201
<a href="#">C3:1 (Propenoylcarnitine)</a>	Acylcarnitines	HMDB0013124
<a href="#">C3 (Propionylcarnitine)</a>	Acylcarnitines	HMDB0000824
<a href="#">C4:1 (Butenylcarnitine)</a>	Acylcarnitines	HMDB0013126
<a href="#">C4 (butyrylcarnitine)</a>	Acylcarnitines	HMDB0002013
<a href="#">C3-OH (hydroxyPropionylcarnitine)</a>	Acylcarnitines	HMDB0013125
<a href="#">C5:1 (Tiglylcarnitine)</a>	Acylcarnitines	HMDB0002366
<a href="#">C5 (Valerylcarnitine)</a>	Acylcarnitines	HMDB0013128
<a href="#">C4-OH (C3-DC) (Hydroxybutyrylcarnitine)</a>	Acylcarnitines	HMDB0013127
<a href="#">C6:1 (Hexenoylcarnitine)</a>	Acylcarnitines	HMDB0013161
<a href="#">C6 (C4:1-DC) (Hexanoylcarnitine)</a>	Acylcarnitines	HMDB0000756
<a href="#">C5-OH (C3-DC-M) (hydroxyvalerylcarnitine)</a>	Acylcarnitines	HMDB0013132
<a href="#">C5:1-DC (Glutaconylcarnitine)</a>	Acylcarnitines	HMDB0013129
<a href="#">C5-DC (C6-OH)(Glutaryl carnitine)</a>	Acylcarnitines	HMDB0013130
<a href="#">C8 (Octanoylcarnitine)</a>	Acylcarnitines	HMDB0000791
<a href="#">C5-M-DC (methylglutaryl carnitine)</a>	Acylcarnitines	HMDB0000552
<a href="#">C9 (Nonaylcarnitine)</a>	Acylcarnitines	HMDB0006320
<a href="#">C7-DC (pimelylcarnitine)</a>	Acylcarnitines	HMDB0013328
<a href="#">C10:2 (decadienylcarnitine)</a>	Acylcarnitines	HMDB0241102
<a href="#">C10:1 (Decenoylcarnitine)</a>	Acylcarnitines	HMDB0013205
<a href="#">C10 (Decanoylcarnitine)</a>	Acylcarnitines	HMDB0000651
<a href="#">C12:1 (Dodecenoylcarnitine)</a>	Acylcarnitines	HMDB0013326
<a href="#">C12 (dodecanoylcarnitine)</a>	Acylcarnitines	HMDB0002250
<a href="#">C14:2 (Tetradecadienylcarnitine)</a>	Acylcarnitines	HMDB0013331
<a href="#">C14:1 (tetradecenoyl carnitine)</a>	Acylcarnitines	HMDB0002014
<a href="#">C14 (tetradecanoylcarnitine)</a>	Acylcarnitines	HMDB0005066
<a href="#">C12-DC (dodecanedioylcarnitine)</a>	Acylcarnitines	HMDB0013327
<a href="#">C14:2-OH (hydroxytetradecadienylcarnitine)</a>	Acylcarnitines	HMDB0013332
<a href="#">C14:1-OH (Hydroxytetradecenoyl carnitine)</a>	Acylcarnitines	HMDB0013330
<a href="#">C16:2 (Hexadecadienylcarnitine)</a>	Acylcarnitines	HMDB0013334
<a href="#">C16:1 (Hexadecenoylcarnitine)</a>	Acylcarnitines	HMDB0013207
<a href="#">C16 (Hexadecanoylcarnitine)</a>	Acylcarnitines	HMDB0000222
<a href="#">C16:2-OH (hydroxyhexadecadienylcarnitine)</a>	Acylcarnitines	HMDB0013335
<a href="#">C16:1-OH (Hydroxyhexadecenoylcarnitine)</a>	Acylcarnitines	HMDB0013333
<a href="#">C16-OH (hydroxyhexadecanoylcarnitine)</a>	Acylcarnitines	HMDB0013336

<a href="#">C18:2 (Octadecadienylcarnitine)</a>	Acylcarnitines	HMDB0006469
<a href="#">C18:1 (Octadecenoylcarnitine)</a>	Acylcarnitines	HMDB0006464
<a href="#">C18 (Octadecanoylcarnitine)</a>	Acylcarnitines	HMDB0000848
<a href="#">C18:1-OH (Hydroxyoctadecenoylcarnitine)</a>	Acylcarnitines	HMDB0013340
<a href="#">Glucose</a>	Monosaccharides	HMDB0304632
<a href="#">PC diacyl (aa) C36:6</a>	Glycerophospholipids	HMDB0008690
<a href="#">PC aa C32:2</a>	Glycerophospholipids	HMDB0008002
<a href="#">PC aa C38:0</a>	Glycerophospholipids	HMDB0007893
<a href="#">PC aa C38:6</a>	Glycerophospholipids	HMDB0008751
<a href="#">PC aa C40:1</a>	Glycerophospholipids	HMDB0008791
<a href="#">PC aa C40:2</a>	Glycerophospholipids	HMDB0011202
<a href="#">PC aa C40:6</a>	Glycerophospholipids	HMDB0008688
<a href="#">PC acyl-alkyl (ae) C40:6</a>	Glycerophospholipids	HMDB0013422
<a href="#">PC ae C36:0</a>	Glycerophospholipids	HMDB0013406
<a href="#">lysophosphatidylcholine (lysoPC a C18:2)</a>	Glycerophospholipids	HMDB0010386
<a href="#">SM (OH) C14:1</a>	Glycerophospholipids	
<a href="#">SM (OH) C16:1</a>	Glycerophospholipids	
<a href="#">SM (OH) C22:1</a>	Glycerophospholipids	
<a href="#">SM (OH) C22:2</a>	Glycerophospholipids	
<a href="#">SM (OH) C24:1</a>	Glycerophospholipids	
<a href="#">SM C16:0</a>	Glycerophospholipids	
<a href="#">SM C16:1</a>	Glycerophospholipids	HMDB0029216
<a href="#">SM C18:0</a>	Glycerophospholipids	
<a href="#">SM C18:1</a>	Glycerophospholipids	
<a href="#">SM C20:2</a>	Glycerophospholipids	
<a href="#">lysoPC a C14:0</a>	Glycerophospholipids	HMDB0010379
<a href="#">lysoPC a C16:0</a>	Glycerophospholipids	HMDB0010382
<a href="#">lysoPC a C16:1</a>	Glycerophospholipids	HMDB0010383
<a href="#">lysoPC a C17:0</a>	Glycerophospholipids	HMDB0012108
<a href="#">lysoPC a C18:0</a>	Glycerophospholipids	HMDB0010384
<a href="#">lysoPC a C18:1</a>	Glycerophospholipids	HMDB0002815
<a href="#">lysoPC a C18:2</a>	Glycerophospholipids	HMDB0010386
<a href="#">lysoPC a C20:3</a>	Glycerophospholipids	HMDB0010393
<a href="#">lysoPC a C20:4</a>	Glycerophospholipids	HMDB0010395
<a href="#">lysoPC a C24:0</a>	Glycerophospholipids	HMDB0010405
<a href="#">lysoPC a C26:0</a>	Glycerophospholipids	HMDB0029205
<a href="#">lysoPC a C26:1</a>	Glycerophospholipids	HMDB0029220
<a href="#">lysoPC a C28:0</a>	Glycerophospholipids	HMDB0029206
<a href="#">lysoPC a C28:1</a>	Glycerophospholipids	HMDB0029221
<a href="#">Lactic acid</a>	Organic Acids	HMDB0000190
<a href="#">beta-Hydroxybutyric acid</a>	Organic Acids	HMDB0000357
<a href="#">alpha-Ketoglutaric acid</a>	Organic Acids	HMDB0000208
<a href="#">Citric acid</a>	Organic Acids	HMDB0000094
<a href="#">Butyric acid</a>	Organic Acids	HMDB0000039
<a href="#">Propionic acid</a>	Organic Acids	HMDB0000237

<a href="#">HPHPA</a>	Organic Acids	HMDB0002643
<a href="#">para-hydroxyhippuric acid</a>	Organic Acids	HMDB0013678
<a href="#">Succinic acid</a>	Organic Acids	HMDB0000254
<a href="#">Fumaric acid</a>	Organic Acids	HMDB0000134
<a href="#">Pyruvic acid</a>	Organic Acids	HMDB0000243
<a href="#">Isobutyric acid</a>	Organic Acids	HMDB0001873
<a href="#">Hippuric acid</a>	Organic Acids	HMDB0000714
<a href="#">Methylmalonic acid</a>	Organic Acids	HMDB0000202
<a href="#">Homovanillic acid</a>	Organic Acids	HMDB0000118
<a href="#">Indole acetic acid</a>	Organic Acids	HMDB0000197
<a href="#">Uric acid</a>	Organic Acids	HMDB0000289