

Dietary phytase and myo-inositol supplementation are associated with distinct plasma metabolome profile in broiler chickens

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Supplementary material

Supplementary Table S1. List of metabolites measured by the AbsoluteIDQ p180 Kit

Compound class	Metabolites
(A) Acylcarnitines	Carnitine (C0), Acetylcarnitine (C2), Propionylcarnitine (C3), Propenoylcarnitine (C3:1), Hydroxypropionylcarnitine (C3-OH), Butyrylcarnitine (C4), Butenylcarnitine (C4:1), Hydroxybutyrylcarnitine (C4-OH (C3-DC)), Valerylcarnitine (C5), Tiglylcarnitine (C5:1), Glutaconylcarnitine (C5:1-DC), Glutaryl carnitine (Hydroxyhexanoylcarnitine) (C5-DC (C6-OH)), Methylglutaryl carnitine (C5-M-DC), Hydroxyvalerylcarnitine (Methylmalonylcarnitine) (C5-OH (C3-DC-M)), Hexanoylcarnitine (Fumaryl carnitine) (C6 (C4:1-DC)), Hexenoylcarnitine (C6:1), Pimelylcarnitine (C7-DC), Octanoylcarnitine (C8), Nonaylcarnitine (C9), Decanoylcarnitine (C10), Decenoylcarnitine (C10:1), Decadienylcarnitine (C10:2), Dodecanoylcarnitine (C12), Dodecenoylcarnitine (C12:1), Dodecanedioylcarnitine (C12-DC), Tetradecanoylcarnitine (C14), Tetradecenoylcarnitine (C14:1), Hydroxytetradecenoylcarnitine (C14:1-OH), Tetradecadienylcarnitine (C14:2), Hydroxytetradecadienylcarnitine (C14:2-OH), Hexadecanoylcarnitine (C16), Hexadecenoylcarnitine (C16:1), Hydroxyhexadecenoylcarnitine (C16:1-OH), Hexadecadienylcarnitine (C16:2), Hydroxyhexadecadienylcarnitine (C16:2-OH), Hydroxyhexadecanoylcarnitine (C16-OH), Octadecanoylcarnitine (C18), Octadecenoylcarnitine (C18:1), Hydroxyoctadecenoylcarnitine (C18:1-OH), Octadecadienylcarnitine (C18:2)
(B) Amino acids	Alanine (Ala), Arginine (Arg), Asparagine (Asn), Aspartate (Asp), Citrulline (Cit), Glutamine (Gln), Glutamate (Glu), Glycine (Gly), Histidine (His), Isoleucine (Ile), Leucine (Leu), Lysine (Lys), Methionine (Met), Ornithine (Orn), Phenylalanine (Phe), Proline (Pro), Serine (Ser), Threonine (Thr), Tryptophan (Trp), Tyrosine (Tyr), Valine (Val)
(C) Biogenic amines	Acetyloronithine (Ac-Orn), Asymmetric dimethylarginine (ADMA), Symmetric dimethylarginine (SDMA), alpha-Aminoadipic acid (alpha-AAA), Carnosine (Carnosine), Creatinine (Creatinine), Histamine (Histamine), Kynurenine (Kynurenine), Methioninesulfoxide (Met-SO), Nitrotyrosine (Nitro-Tyr), cis-4-Hydroxyproline (cis-OH-Pro), trans-4-Hydroxyproline (trans-OH-Pro), Phenylethylamine (PEA), Putrescine (Putrescine), Sarcosine (Sarcosine), Serotonin (Serotonin), Spermidine (Spermidine), Spermine (Spermine), Taurine (Taurine), Dopamine (Dopamine), DOPA (DOPA)
(D) Glycerophospholipids	
Lyso-PC	lysoPC a C14:0, lysoPC a C16:0, lysoPC a C16:1, lysoPC a C17:0, lysoPC a C18:0, lysoPC a C18:1, lysoPC a C18:2, lysoPC a C20:3, lysoPC a C20:4, lysoPC a C24:0, lysoPC a C26:0, lysoPC a C26:1, lysoPC a C28:0, lysoPC a C28:1
Diacyl-PC	PC aa C24:0, PC aa C26:0, PC aa C28:1, PC aa C30:0, PC aa C30:2, PC aa C32:0, PC aa C32:1, PC aa C32:2, PC aa C32:3, PC aa C34:1, PC aa

Acyl-alkyl-PC	<p>C34:2, PC aa C34:3, PC aa C34:4, PC aa C36:0, PC aa C36:1, PC aa C36:2, PC aa C36:3, PC aa C36:4, PC aa C36:5, PC aa C36:6, PC aa C38:0, PC aa C38:1, PC aa C38:3, PC aa C38:4, PC aa C38:5, PC aa C38:6, PC aa C40:1, PC aa C40:2, PC aa C40:3, PC aa C40:4, PC aa C40:5, PC aa C40:6, PC aa C42:0, PC aa C42:1, PC aa C42:2, PC aa C42:4, PC aa C42:5, PC aa C42:6</p> <p>PC ae C30:0, PC ae C30:1, PC ae C30:2, PC ae C32:1, PC ae C32:2, PC ae C34:0, PC ae C34:1, PC ae C34:2, PC ae C34:3, PC ae C36:0, PC ae C36:1, PC ae C36:2, PC ae C36:3, PC ae C36:4, PC ae C36:5, PC ae C38:0, PC ae C38:1, PC ae C38:2, PC ae C38:3, PC ae C38:4, PC ae C38:5, PC ae C38:6, PC ae C40:1, PC ae C40:2, PC ae C40:3, PC ae C40:4, PC ae C40:5, PC ae C40:6, PC ae C42:0, PC ae C42:1, PC ae C42:2, PC ae C42:3, PC ae C42:4, PC ae C42:5, PC ae C44:3, PC ae C44:4, PC ae C44:5, PC ae C44:6</p>
(E) Sphingolipids	<p>SM (OH) C14:1, SM (OH) C16:1, SM (OH) C22:1, SM (OH) C22:2, SM (OH) C24:1, SM C16:0, SM C16:1, SM C18:0, SM C18:1, SM C20:2, SM C22:3, SM C24:0, SM C24:1, SM C26:0, SM C26:1</p>
(F) Hexoses	Sum of hexoses (H1)

PC: phosphatidylcholines; SM: sphingomyelins; for lipid moieties C_x:_y indicates length of acyl chain (x) and number of unsaturated bonds (y)