

<b>Supplementary Table 1. Pathways found on the basis of DEGs between NDM and DM</b>
3-oxo-10R-octadecatrienoate beta-oxidation
Aminosugars metabolism
Androgen and estrogen biosynthesis and metabolism
Arachidonic acid metabolism
Bile acid biosynthesis
Biopterin metabolism
Butanoate metabolism
C21-steroid hormone biosynthesis and metabolism
De novo fatty acid biosynthesis
Dimethyl-branched-chain fatty acid mitochondrial beta-oxidation
Di-unsaturated fatty acid beta-oxidation
Endohydrolysis of 1,4-alpha-D-glucosidic linkages in polysaccharides by alpha-amylase
Fructose and mannose metabolism
Galactose metabolism
Glycerophospholipid metabolism
Glycine, serine, alanine and threonine metabolism
Glycolysis and Gluconeogenesis
Glycosphingolipid biosynthesis - ganglioseries
Glycosphingolipid biosynthesis - globoseries
Glycosphingolipid biosynthesis - neolactoseries
Glycosphingolipid metabolism
Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
Histidine metabolism
Leukotriene metabolism
Linoleate metabolism
Lysine metabolism
Methionine and cysteine metabolism
Mono-unsaturated fatty acid beta-oxidation
N-Glycan biosynthesis
O-Glycan biosynthesis
Omega-3 fatty acid metabolism
Omega-6 fatty acid metabolism
Pentose phosphate pathway
Phosphatidylinositol phosphate metabolism

Phytanic acid peroxisomal oxidation
Porphyrin metabolism
Propanoate metabolism
Prostaglandin formation from arachidonate
Prostaglandin formation from dihomo gama-linoleic acid
Proteoglycan biosynthesis
Purine metabolism
Putative anti-Inflammatory metabolites formation from EPA
Pyrimidine metabolism
Saturated fatty acids beta-oxidation
Selenoamino acid metabolism
Squalene and cholesterol biosynthesis
TCA cycle
Trihydroxycoprostanoyl-CoA beta-oxidation
Tryptophan metabolism
Tyrosine metabolism
Urea cycle and metabolism of arginine, proline, glutamate, aspartate and asparagine
Valine, leucine and isoleucine degradation
Vitamin A (retinol) metabolism
Vitamin B2 (riboflavin) metabolism
Vitamin B3 (nicotinate and nicotinamide) metabolism
Vitamin B5 - CoA biosynthesis from pantothenate
Vitamin B6 (pyridoxine) metabolism
Vitamin B9 (folate) metabolism
Vitamin E metabolism
Vitamin K metabolism
Xenobiotics metabolism