1. Non filter
2. Median normalization
3. Log transform
4. Range scaling
5. ANOVA
6. Correlation – Kendall rank correlation
7. Pattern: 0 – NDVeh; 1 – HFDVeh; 2 – HFDTx
8. Random forest: 1000 tree, 7 predictors/node

4-guanidinobutanoate

1-stearoyl-2-arachidonoyl-GPI

homostachydrine\*

N-delta-acetylornithine

sphingomyelin

homoarginine

dehydroascorbate

1-palmitoleoyl-3-oleoyl-glycerol

decanoylcarnitine

ergothioneine

3-hydroxybutyrylcarnitine

cytidine

alpha-tocopherol

sphingomyelin

pyridoxal

xanthine

sphingomyelin

3-phosphoglycerate

gamma-carboxyglutamate

stachydrine

dihydoxyphenylalanine

2-hydroxybutyrate/2-hydroxyisobutyrate

sebacate

phosphoenolpyruvate

2-methylcitrate/homocitrate

1-(1-enyl-palmitoyl)-2-palmitoyl-GPC

1-stearoyl-2-arachidonoyl-GPE

hypoxanthine

uridine

imidazole lactate

heme

stearoyl sphingomyelin

isocitrate

1-palmitoleoyl-2-oleoyl-glycerol

1-stearoyl-2-arachidonoyl-GPS

retinol

gamma-aminobutyrate

uridine 5'-monophosphate

16-hydroxypalmitate

myristoleate

1-palmitoyl-2-oleoyl-GPG

hexadecanedioate

N-acetylglycine

adenosine 5'-monophosphate

1-(1-enyl-palmitoyl)-2-linoleoyl-GPC

arachidonoyl ethanolamide

3-hydroxyisobutyrate

O-sulfo-L-tyrosine

tetradecanedioate

myristate

N-acetylmethionine

arachidonate

glycerophosphoethanolamine

12-HETE

orotidine

trigonelline

urate

phosphopantetheine

lysine

flavin adenine dinucleotide

stearoyl ethanolamide

guanosine 5'- monophosphate

betaine

15-methylpalmitate

cysteine sulfinic acid

stearate

dimethylarginine

6-phosphogluconate

salicylate

N-acetylalanine

S-adenosylhomocysteine

1-stearoyl-GPS

laurylcarnitine

inosine

methylphosphate

sphingomyelin

2'-deoxyinosine

glutarate

N-acetylserine

N6-carboxymethyllysine

citrate

N-acetylarginine

N-glycolylneuraminate

beta-alanine

glutamine

1-methylnicotinamide

carnitine

alanine

arabitol/xylitol

glycerate

5-oxoproline

1-palmitoyl-GPE

glycerophosphoinositol\*

sphingomyelin

1-linoleoyl-GPC

arginine

1,2-dioleoyl-GPC

10-heptadecenoate

cholesterol

5-methylthioadenosine

beta-hydroxyisovaleroylcarnitine

threonine

sphingosine

glycine

hippurate

alpha-ketoglutarate

1-stearoyl-2-linoleoyl-GPE

azelate

1-(1-enyl-palmitoyl)-2-arachidonoyl-GPE

1-stearoyl-GPI

pyroglutamine\*

asparagine

spermidine

myristoylcarnitine

methionine sulfoxide

pyridoxamine phosphate

phenylalanine

taurocyamine

adenine

glycosyl-N-palmitoyl-sphingosine

N-acetylphenylalanine

margarate

taurine

1-palmitoyl-2-linoleoyl-GPC

1-stearoyl-2-linoleoyl-GPC

1-(1-enyl-palmitoyl)-GPE

1-methylhistidine

1-oleoyl-3-linoleoyl-glycerol

betaine aldehyde

erythronate\*

arachidate

1-palmitoleoyl-2-linoleoyl-GPC

propionylcarnitine

mannitol/sorbitol

trimethylamine N-oxide

dihomo-linoleate

3-(4-hydroxyphenyl)lactate

sphingomyelin

sucrose

histidine

linolenate

1-oleoyl-2-linoleoyl-glycerol

palmitate

pipecolate

corticosterone

15-HETE

2-hydroxystearate

octanoylcarnitine

stearidonate

3-hydroxybutyrate

tyrosylglycine

1-oleoyl-2-linoleoyl-GPC

3-methylhistidine

1-palmitoyl-2-linoleoyl-glycerol

behenoyl sphingomyelin

gamma-tocopherol/beta-tocopherol

2-methylbutyrylglycine

methionine

butyrylcarnitine

nicotinamide

thiamin monophosphate

N6,N6,N6-trimethyllysine

adrenate

glutamate, gamma-methyl ester

cytidine 5'-monophosphate

1-stearoyl-2-oleoyl-GPS

tyrosine

gamma-glutamylvaline

1-palmitoyl-2-linoleoyl-GPE

1-palmitoyl-3-linoleoyl-glycerol

maltotriose

1-stearoyl-GPE

succinate

guanine

pantothenate

oleate/vaccenate

palmitoyl ethanolamide

aspartate

palmitoleate

N-acetylaspartate

1,5-anhydroglucitol

oleoyl ethanolamide

1-(1-enyl-palmitoyl)-2-arachidonoyl-GPC

alpha-hydroxyisocaproate

alpha-hydroxyisovalerate

acetylphosphate

phenyllactate

2'-deoxycytidine

12,13-DiHOME

1-(1-enyl-stearoyl)-2-oleoyl-GPE

7-hydroxycholesterol

sphingomyelin

indolelactate

UDP-N-acetylglucosamine

sphingomyelin

succinylcarnitine

9,10-DiHOME

glycerol

1-oleoyl-GPE

sphinganine

proline

p-cresol sulfate

glutamate