

Supplementary Table S1. The differential metabolites of FT and HJFT.

Metabolite	Metabolite Formula	FC	regulated	class
DGDG 36:6; DGDG(18:3/18:3)	C51H84O15	4.69905356	up	Glycerolipids
PA 42:7; PA(18:3/24:4)	C45H75O8P	8.59460047	up	Glycerophospholipids
3-cis-Hydroxy-b,e-Caroten-3'-one	C40H54O	16.76250119	up	Prenol lipids
Betulin	C30H50O2	4.339186557	up	Prenol lipids
2-Deoxycastasterone	C28H48O4	4.557133915	up	Sterol Lipids
AcylGlcADG AcylGlcADG(16:0/18:1/18:3)	52:4; C61H106O12	198.1415902	up	Glycerolipids
Heliantriol C	C30H50O3	187.3523056	up	Prenol lipids
Priverogenin B	C30H50O4	12.1343257	up	Prenol lipids
MGDG 36:6; MGDG(18:3/18:3)	C45H74O10	12.76214908	up	Glycerolipids
6-Deoxohomodolichosterone	C29H50O4	5.97448903	up	Sterol Lipids
11-Eicosenoic acid	C20H38O2	6.047453498	up	Fatty Acyls
Priverogenin B	C30H50O4	57.1093128	up	Prenol lipids
DGTS 22:2; DGTS(3:0/19:2)	C32H57NO7	20.93711051	up	Glycerolipids
3-Methyldioxyindole	C9H9NO2	0.339262427	down	Indoles and derivatives
8(9)-Epoxy-5Z,11Z,14Z-eicosatrienoic acid, methyl ester	C21H34O3	7.106050346	up	Fatty Acyls
16-Methylheptadecanoic acid	C18H36O2	4.046746848	up	Fatty Acyls
4alpha-Carboxy-5alpha-cholesta-8-en-3beta-ol	C28H46O3	16.95841549	up	Sterol Lipids
AcylGlcADG AcylGlcADG(18:1/18:1/18:3)	54:5; C63H108O12	32.49391407	up	Glycerolipids
DGDG 36:6; DGDG(18:3/18:3)	C51H84O15	22.78322863	up	Glycerolipids
Nonadeca-10(Z)-enoic acid	C19H36O2	33.2933247	up	Fatty Acyls
PI 42:7; PI(18:3/24:4)	C51H85O13P	7.451149803	up	Glycerophospholipids
PE(22:4(7Z,10Z,13Z,16Z)/20:5(5Z,8Z,11Z,14Z,17Z))	C47H76NO8P	6.851268067	up	Glycerophospholipids
PG 34:2; PG(16:0/18:2)	C40H75O10P	5.062488749	up	Glycerophospholipids
PG 34:2; PG(16:1/18:1)	C40H75O10P	5.056999509	up	Glycerophospholipids
PG 34:2; PG(16:0/18:2)	C40H75O10P	4.535641985	up	Glycerophospholipids
N-(1-Deoxy-1-fructosyl)threonine	C10H19NO8	0.318161388	down	Organooxygen compounds
8Z,14Z-Eicosadienoic acid	C20H36O2	0.301153937	down	Fatty Acyls
Fosphenytoin	C16H15N2O6P	0.0866609	down	Benzene and substituted derivatives
5-(3-Pyridyl)-2-hydroxytetrahydrofuran	C9H11NO2	0.296027971	down	Pyridines and derivatives
(-)-Neplanocin A	C11H13N5O3	0.102471682	down	Purine nucleotides
7,7-Dimethyl-(5Z,8Z)-eicosadienoic acid	C22H40O2	9.060412456	up	Fatty Acyls
PG 34:2; PG(16:1/18:1)	C40H75O10P	5.386904479	up	Glycerophospholipids
Bis(2-ethylhexyl) adipate	C22H42O4	0.304830274	down	Fatty Acyls
Clindamycin	C18H33ClN2O5S	0.464352863	down	Carboxylic acids and derivatives
Cer[NS] 34:4; Cer[NS](d18:3/16:1)	C34H61NO3	0.492057553	down	Sphingolipids
3-cis-Hydroxy-b,e-Caroten-3'-one	C40H54O	6.064427621	up	Prenol lipids
22alpha-Hydroxyerythrodiol	C30H50O3	2.318854426	up	Prenol lipids
PA 35:3; PA(17:0/18:3)	C38H69O8P	3.147131094	up	Glycerophospholipids
PA 33:2; PA(15:0/18:2)	C36H67O8P	0.383967918	down	Glycerophospholipids
PI 42:7; PI(18:3/24:4)	C51H85O13P	7.615772042	up	Glycerophospholipids
(3beta,22R,23R,24S)-3,22,23-Trihydroxysigmastan-6-one	C29H50O4	0.243246025	down	Sterol Lipids
DGTS 22:2; DGTS(3:0/19:2)	C32H57NO7	7.861580504	up	Glycerolipids
2(R)-hydroxydocosanoic acid	C22H44O3	4.096340237	up	Fatty Acyls
1-Stearoyl-2-hydroxy-sn-glycero-3-phosphocholine	C26H54NO7P	2.5282509	up	Glycerophospholipids
PG 32:1; PG(16:0/16:1)	C38H73O10P	14.82453431	up	Glycerophospholipids
PE(22:1(13Z)/20:5(5Z,8Z,11Z,14Z,17Z))	C47H82NO8P	2.001678189	up	Glycerophospholipids
8(9)-Epoxy-5Z,11Z,14Z-eicosatrienoic acid, methyl ester	C21H34O3	2.406804506	up	Fatty Acyls
LysoPC 18:0	C26H54NO7P	2.178524342	up	Glycerophospholipids
PG 34:2; PG(16:1/18:1)	C40H75O10P	2.36832813	up	Glycerophospholipids