

Figure S1 The plasma lipid profile detected according to lipid species and classes. AcCa, acyl carnitine; Cer, ceramide; CerG1, monoglycosylceramide; CerG2, diglycosylceramide; CerG2GNAc1, simple glucosylceramide series; CerG3GNAc1/CerG3GNAc1, simple glucosylceramide series; ChE, cholesterol ester; CL, cardiolipins; Co, coenzyme; DGs, diglyceride; DGDG, digalactosyl diacylglycerols; GM3, gangliosides; LPC, lysophosphatidylcholine; LPE, lysophosphatidylethanolamine; LPI, lysophosphatidylinositol; MGDG, monogalactosyldiacylglycerol; OAHFA, (O-acyl)-1-hydroxy fatty acid; PC, phosphatidylcholine; PE, phosphatidylethanolamine; PG, phosphatidylglycerol; phSM, phytosphingosine; PI, phosphatidylinositol; PIP, phosphatidylinositol phosphate; PIP2, phosphatidylinositol diphosphate; PS, phosphatidylserine; SM, sphingomyelin; So, sphingosine; ST, sulfatide; TG, triglyceride; WE, wax esters.

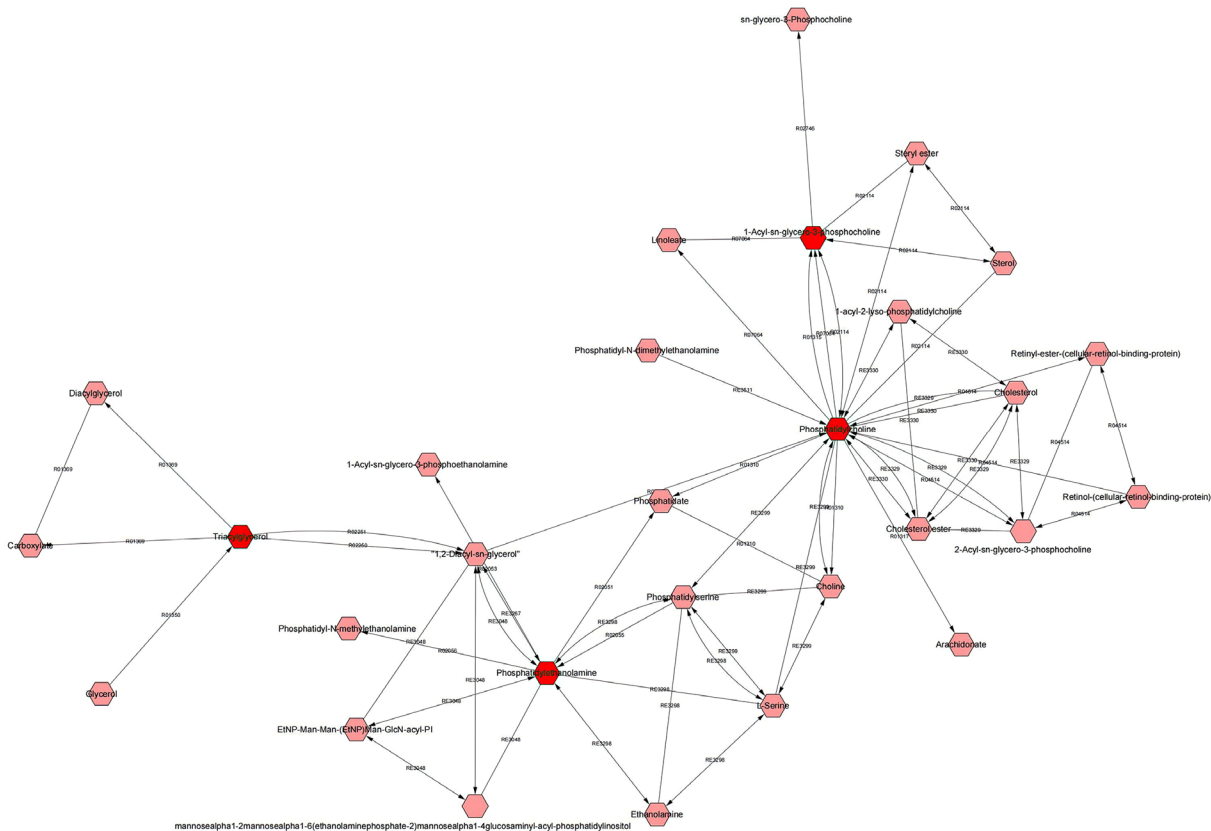


Figure S2 Network of the remarkably perturbed metabolic pathways in CD with EEN treatment by MetScape analysis. CD, Crohn's disease; EEN, exclusive enteral nutrition.

Table S1 Inflammatory and nutrition-associated indices before and after EEN

Disease activity and inflammatory markers	Before EEN, mean \pm SD	After 12-week EEN, mean \pm SD	Before EEN vs. 12-week EEN (P value)
hs-CRP (mg/L)	64.94 \pm 38.38	6.54 \pm 16.26	0.001
PLT ($\times 10^9$ /L)	463.00 \pm 136.88	298.36 \pm 107.75	0.001
ESR (mm/h)	62.64 \pm 28.43	17.55 \pm 4.33	<0.001
CDAI	291.09 \pm 78.57	118.09 \pm 79.11	<0.001
SES-CD	6.45 \pm 2.81	3.18 \pm 2.22	0.013
NRS2002	3.91 \pm 1.14	2.55 \pm 1.29	<0.001
BMI (kg/m ²)	17.05 \pm 2.02	18.64 \pm 2.36	0.005
ALB (g/L)	32.05 \pm 6.79	41.03 \pm 5.4	0.001
Hb (g/L)	97.73 \pm 24.86	128.91 \pm 13.02	0.001

hs-CRP, high-sensitivity C-reactive protein; ESR, erythrocyte sedimentation rate; Hb, haemoglobin; EEN, exclusive enteral nutrition; CDAI, Crohn's disease activity index; SES-CD, simple endoscopic score for Crohn's disease; BMI, basal metabolic index; ALB, albumin; PLT, platelet; NRS2002, European Nutritional Risk Screening 2002; SD, standard deviation.