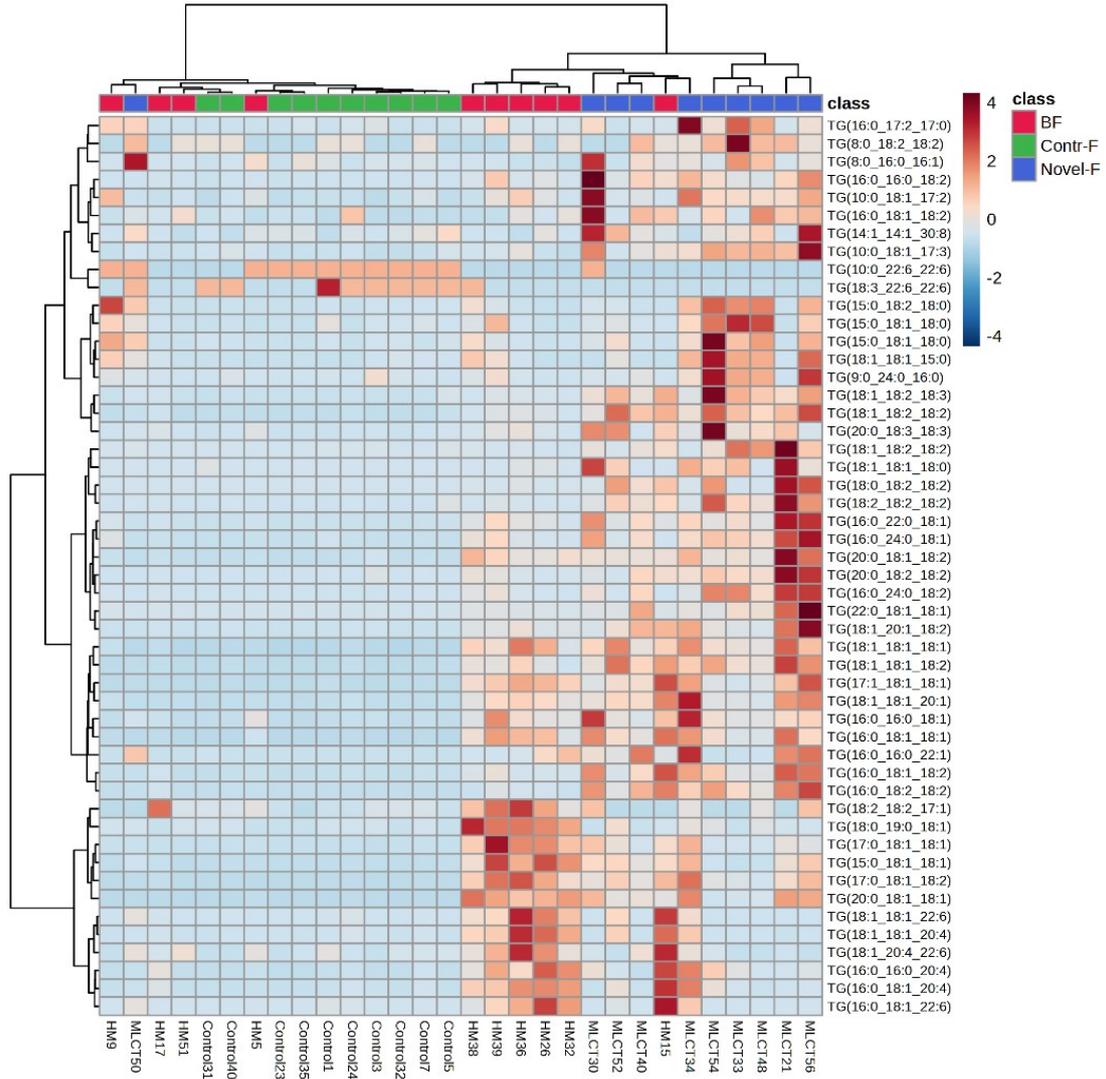
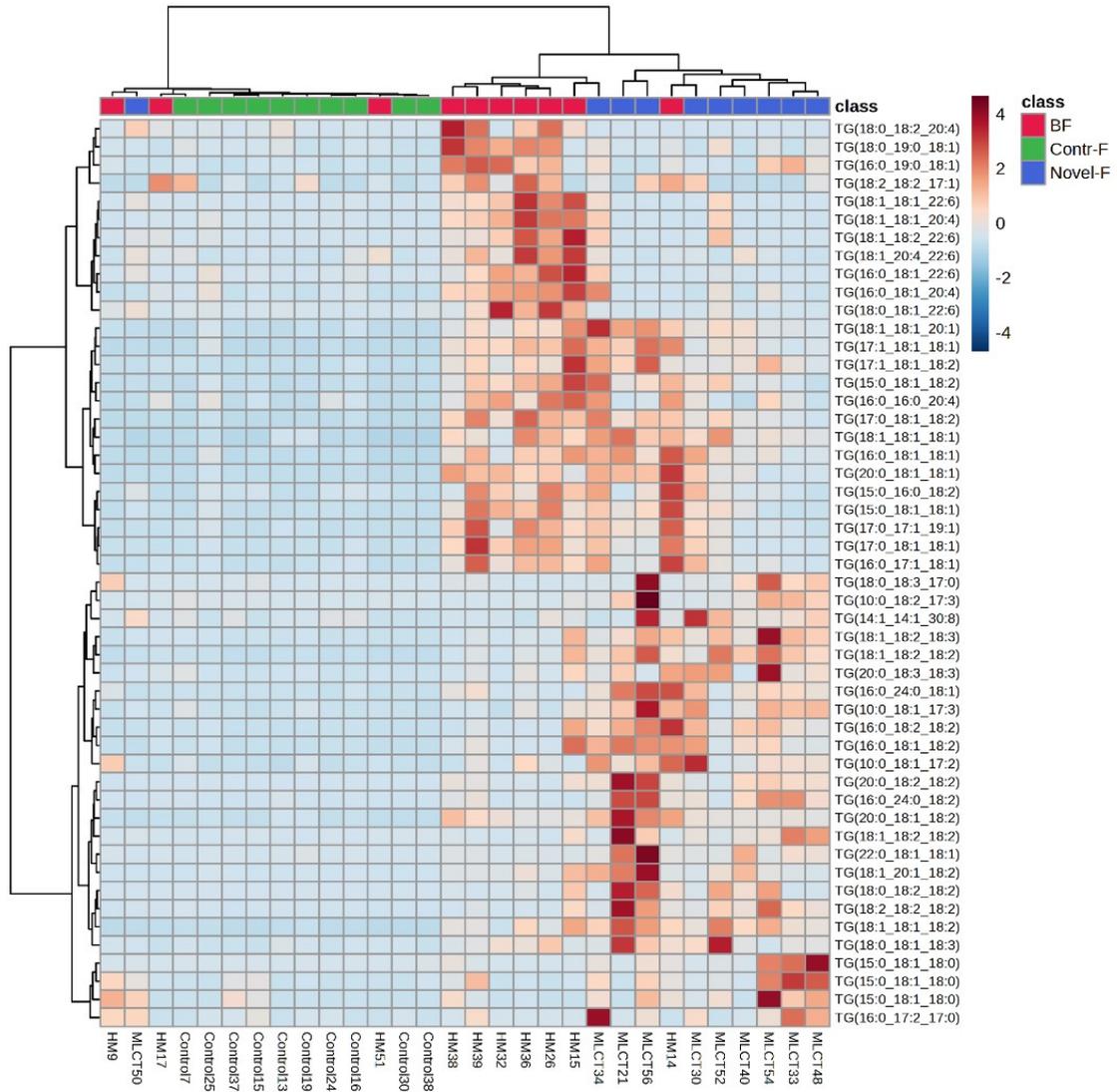


**Fig. S1.** Lipid classes and the number of molecules (n) identified in fecal samples by lipidomic analysis.

Triglycerides (TG), diglycerides (DG), ceramides (Cer), cholesterol esters (CE), sucrose esters (SE), acylsterylglycoside (ASG), sterol lipids (ST), N-arachidonylglycine (NAGly), phosphatidylethanolamine (PE), vitamin A fatty acid ester (VAE), Bis[monoacylglycero]phosphate (BMP), hexoseceramide (HexCer), monoglyceride (MG), and phosphatidylinositol (PI).



**Fig. S2.** Heatmaps of main TG in fecal samples of Novel-F, BF, and Contr-F groups at baseline (30 d *postpartum*).



**Fig. S3.** Heatmaps of main TG in fecal samples of Novel-F, BF, and Contr-F groups at the end of the study (90 d *postpartum*).