

# Lipidome profiling in childhood obesity compared to adults: a pilot study

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## Supplementary file 3

The selected lipids for the correlation analyses in the PE(6M) vs PE(0M) and AD(6M) vs AD(0M) vs AD(6M), sorted by mainclass division and in decreasing order.

PE		AD	
Main class	Lipids	Main class	Lipids
Phosphatidylserines	PS-O (38:5) [M+Na] <sup>1+</sup>	Glycerophosphocholines	PC (37:3) [M+H] <sup>1+</sup> / PE (40:3) [M+H] <sup>1+</sup> / PA (42:4) [M+NH <sub>4</sub> ] <sup>1+</sup>
	PS-O (36:2) [M+Na] <sup>1+</sup>		PC (42:8) [M+H] <sup>1+</sup>
	PS-O (38:5) [M+H] <sup>1+</sup> / PG-P (38:6) [M+NH <sub>4</sub> ] <sup>1+</sup>		PC (42:7) [M+H] <sup>1+</sup>
	PS-O (36:3) [M+Na] <sup>1+</sup>		PC (37:2) [M+H] <sup>1+</sup> / PE (40:2) [M+H] <sup>1+</sup> / PA (42:3) [M+NH <sub>4</sub> ] <sup>1+</sup>
	PS-O (36:3) [M+H] <sup>1+</sup> / PG-O (36:5) [M+NH <sub>4</sub> ] <sup>1+</sup>		PC (40:5) [M+H] <sup>1+</sup>
	PS-O (38:6) [M+H] <sup>1+</sup>		PC (35:3) [M+H] <sup>1+</sup> / PE (38:3) [M+H] <sup>1+</sup> / PA (40:4) [M+NH <sub>4</sub> ] <sup>1+</sup>
	PS-O (34:0) [M+Na] <sup>1+</sup>		PC-O (38:5) [M+H] <sup>1+</sup>
	PS-O (36:1) [M+Na] <sup>1+</sup>	Triacylglycerols	TG (53:2) [M+Na] <sup>1+</sup>
	PS-O (38:4) [M+H] <sup>1+</sup> / PG-O (38:6) [M+NH <sub>4</sub> ] <sup>1+</sup>		TG (47:5) [M+NH <sub>4</sub> ] <sup>1+</sup>
	PS-O (40:4) [M+Na] <sup>1+</sup>		TG (54:7) [M+Na] <sup>1+</sup>
	PS-O (38:2) [M+Na] <sup>1+</sup>		TG (56:6) [M+Na] <sup>1+</sup>
	PS-O (40:6) [M+Na] <sup>1+</sup>		TG (54:2) [M+Na] <sup>1+</sup>
	PS (38:4) [M+Na] <sup>1+</sup>		TG (58:8) [M+NH <sub>4</sub> ] <sup>1+</sup>
	PS (40:7) [M+H] <sup>1+</sup> / PG (40:9) [M+NH <sub>4</sub> ] <sup>1+</sup>	Phosphatidylserines	PS (16:0) [M+H] <sup>1+</sup>
	PS-P (42:2) [M+H] <sup>1+</sup>		PS (41:1) [M+H] <sup>1+</sup> / PG (41:3) [M+NH <sub>4</sub> ] <sup>1+</sup>
	PS (38:2) [M+Na] <sup>1+</sup>		PS-O (41:0) [M+H] <sup>1+</sup>
			PS (34:2) [M+Na] <sup>1+</sup>
Sphingomyelins	SM (41:0) [M+H] <sup>1+</sup>	Phosphatidylinositols	PI (40:9) [M+Na] <sup>1+</sup>
	SM (39:1) [M+H] <sup>1+</sup>		PI-O (40:2) [M+NH <sub>4</sub> ] <sup>1+</sup>
	SM (34:2) [M+H] <sup>1+</sup>		PI (43:0) [M+Na] <sup>1+</sup>
Phosphatidylinositols	PI-O (32:0) [M+H] <sup>1+</sup>	Diacylglycerols	DG (42:7) [M+H-H <sub>2</sub> O] <sup>1+</sup>
	PI-O (41:0) [M+H] <sup>1+</sup>		DG (44:9) [M+H-H <sub>2</sub> O] <sup>1+</sup>
Glycerophosphocholines	PC-O-31:0) [M+H] <sup>1+</sup> / PE-O (34:0) [M+H] <sup>1+</sup>	Glycerophosphoglycerols	PG (44:0) [M+Na] <sup>1+</sup>
	PC (43:4) [M+H] <sup>1+</sup>		PG-O (34:1) [M+NH <sub>4</sub> ] <sup>1+</sup>
Glycerophosphoglycerols	PG (44:0) [M+H] <sup>1+</sup>	Glycerophosphates	PA (40:0) [M+NH <sub>4</sub> ] <sup>1+</sup>
	PG-O (28:0) [M+H] <sup>1+</sup>		PA (39:4) [M+Na] <sup>1+</sup>
Triacylglycerols	TG (61:14) [M+NH <sub>4</sub> ] <sup>1+</sup>		

	TG (50:7) [M+NH4]1+	Glycerophosphoethanolamines	PE-O (30:1) [M+H]1+
Diacylglycerols	DG (36:6) [M+H-H2O]1+		LPE (18:4) [M+H]1+
	DG (44:9) [M+H-H2O]1+	Cholesterol esters	CE (22:6) [M+NH4]1+