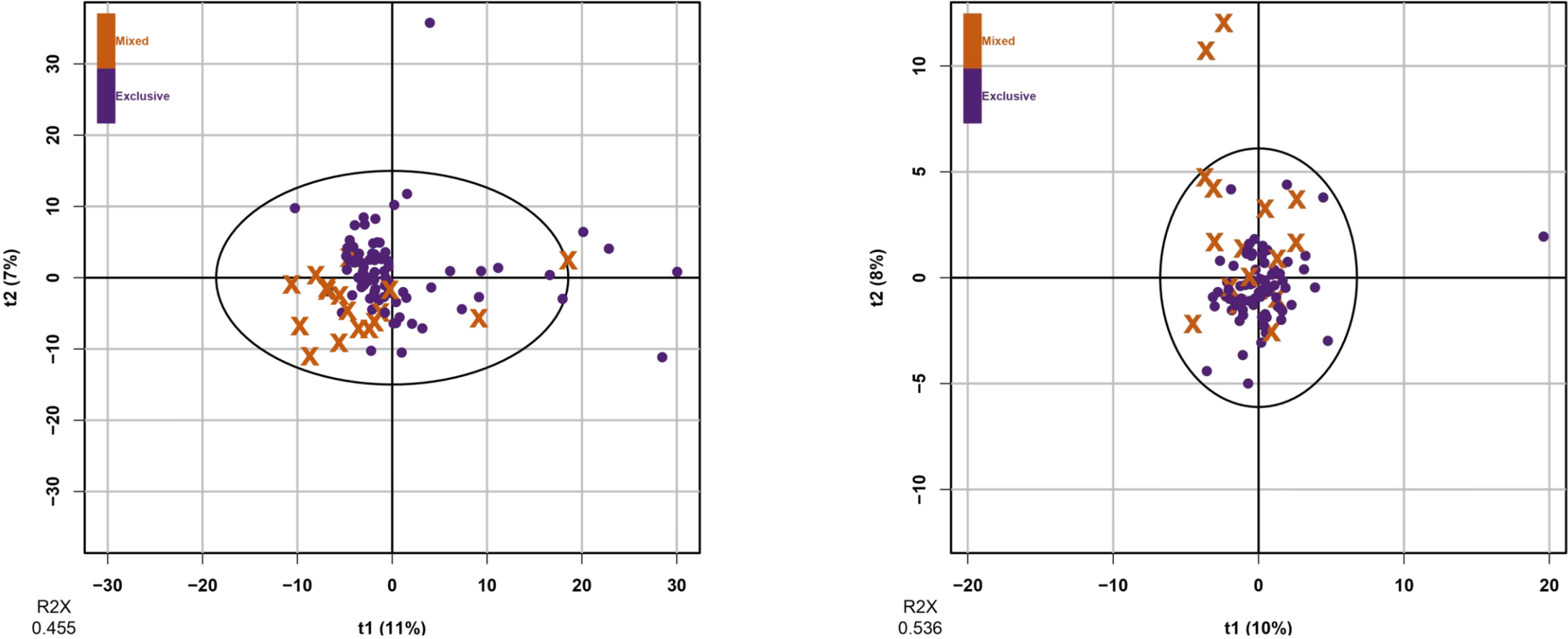
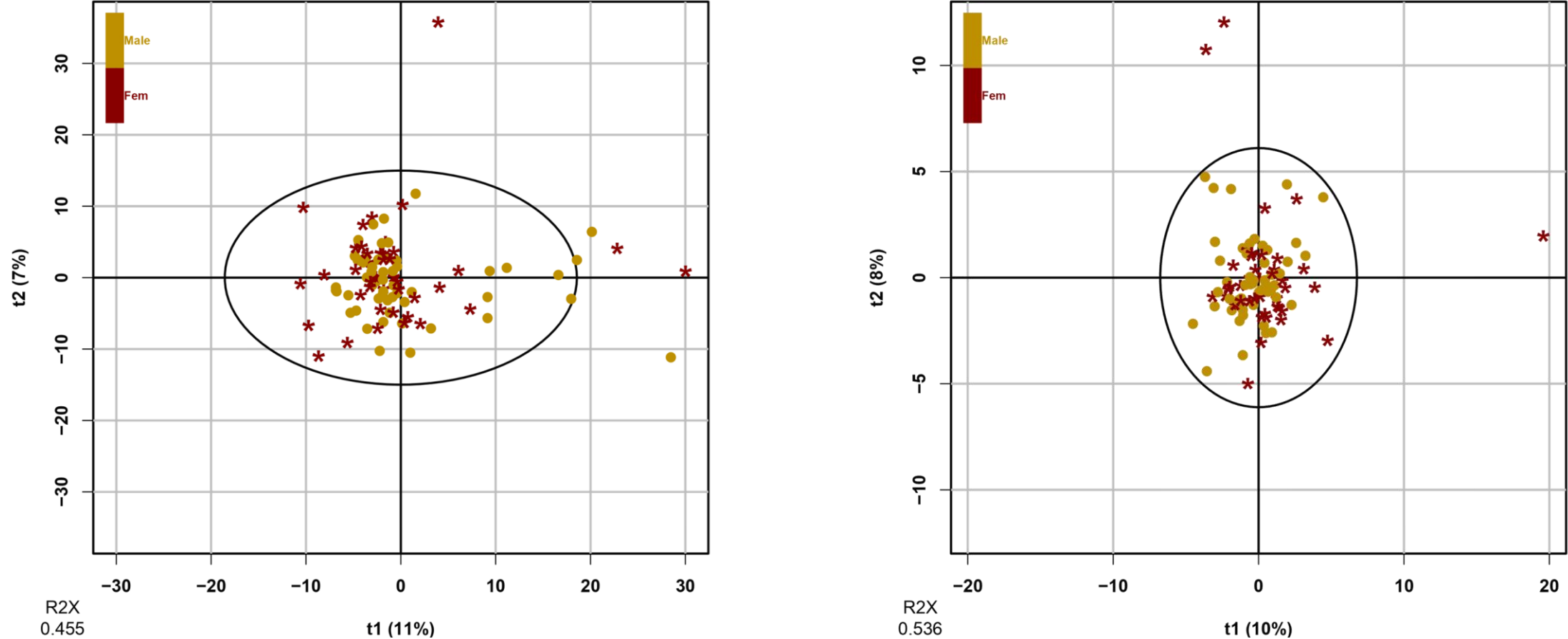


Figure S1

A TYPE OF BREASTFEEDING: Mixed (X) vs Exclusive (•)



B INFANT SEX: Female (*) vs Male (•)



C WEIGHT GAIN (0 – 1 month)

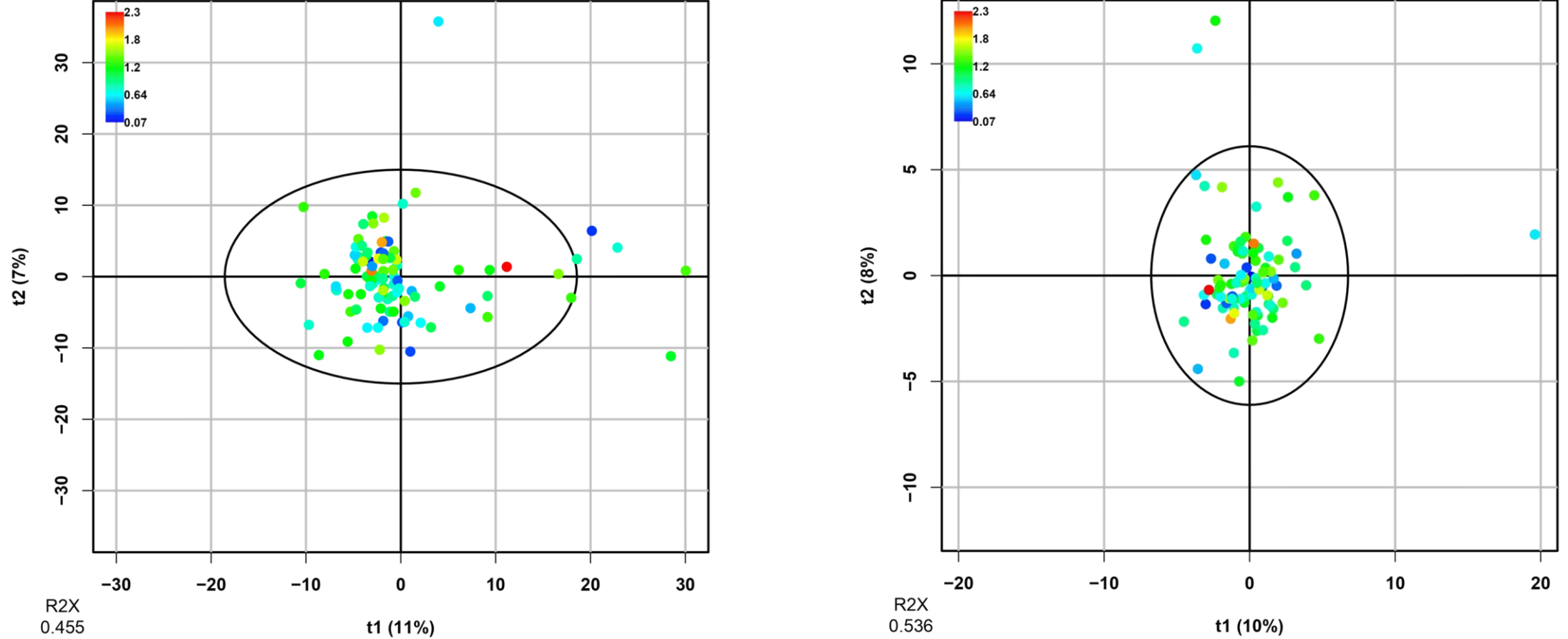
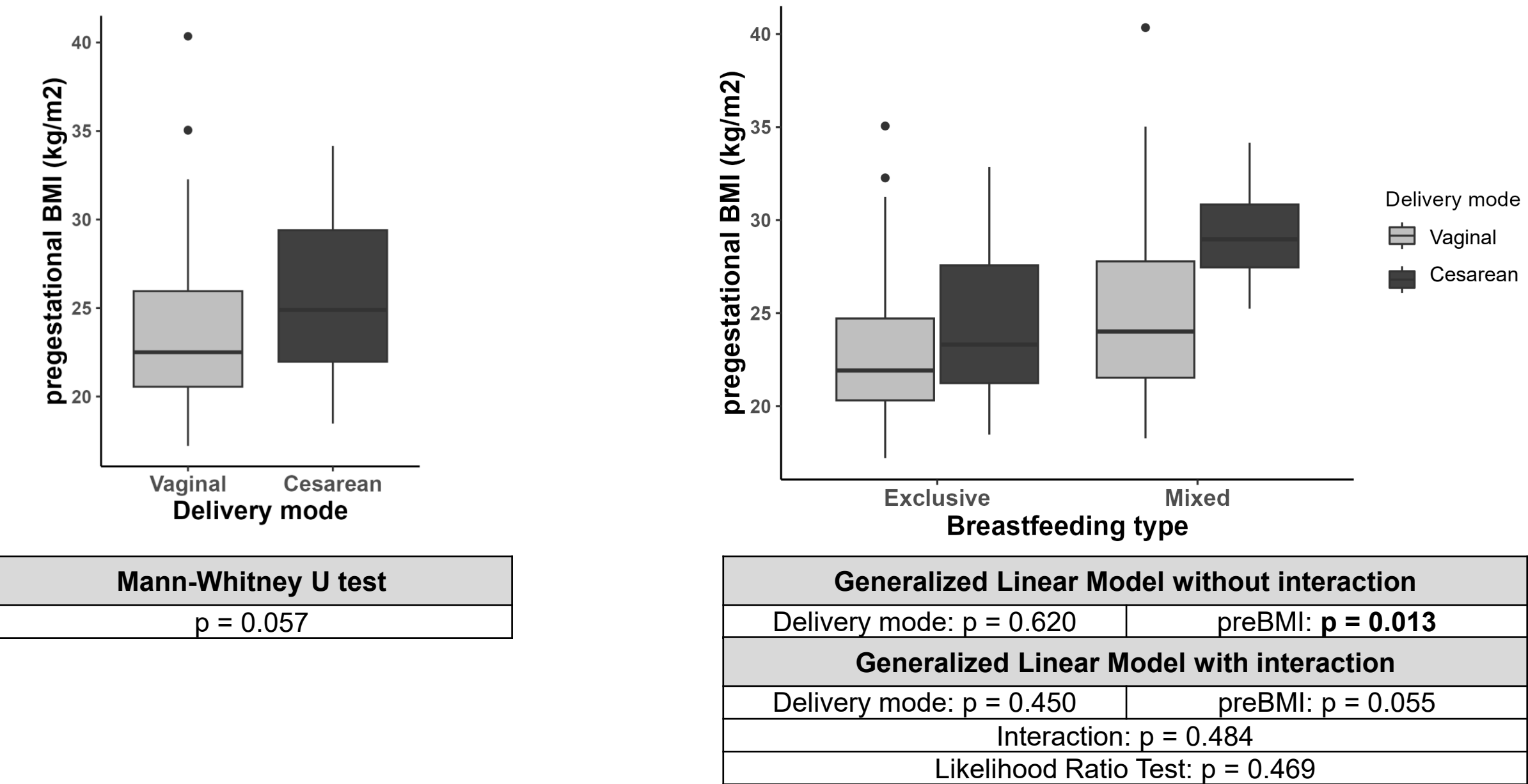


Figure S2

A Study of interaction between delivery mode, pregestational BMI and breastfeeding type



B Breastfeeding type PLS-DA metrics adjusting for potential confounding factors

	Original model – no confounding factors		preBMI, postBMI, VF, BFP & delivery mode as confounding factors		preBMI & delivery mode as confounding factors		preBMI as a confounding factor	
	LCMS	NMR	LCMS	NMR	LCMS	NMR	LCMS	NMR
R2Y	0.784	0.685	0.707	0.584	0.729	0.615	0.722	0.606
Q2	0.606	0.353	0.313	0.094	0.395	0.196	0.453	0.222
pR2Y	0.005	0.005	0.05	0.005	0.035	0.005	0.035	0.005
pQ2	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Sens	0.88	0.76	0.76	0.29	0.71	0.35	0.71	0.35
Spec	0.97	0.99	0.97	0.95	0.96	0.96	0.96	0.96
Acc	0.96	0.95	0.94	0.83	0.92	0.85	0.92	0.85
	postBMI as a confounding factor		VF as a confounding factor		BFP as a confounding factor		Delivery mode as a confounding factor	
	LCMS	NMR	LCMS	NMR	LCMS	NMR	LCMS	NMR
R2Y	0.710	0.604	0.692	0.58	0.703	0.596	0.792	0.692
Q2	0.444	0.205	0.383	0.145	0.445	0.162	0.606	0.351
pR2Y	0.08	0.005	0.14	0.01	0.13	0.005	0.005	0.005
pQ2	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Sens	0.65	0.41	0.71	0.41	0.65	0.29	0.82	0.53
Spec	0.97	0.95	0.97	0.95	0.97	0.95	0.96	0.97
Acc	0.92	0.85	0.93	0.85	0.92	0.83	0.94	0.90

Figure S3.1

TYPE OF BREASTFEEDING: Mixed (X) vs Exclusive (•)

Metabolite analysis

Multiblock analysis

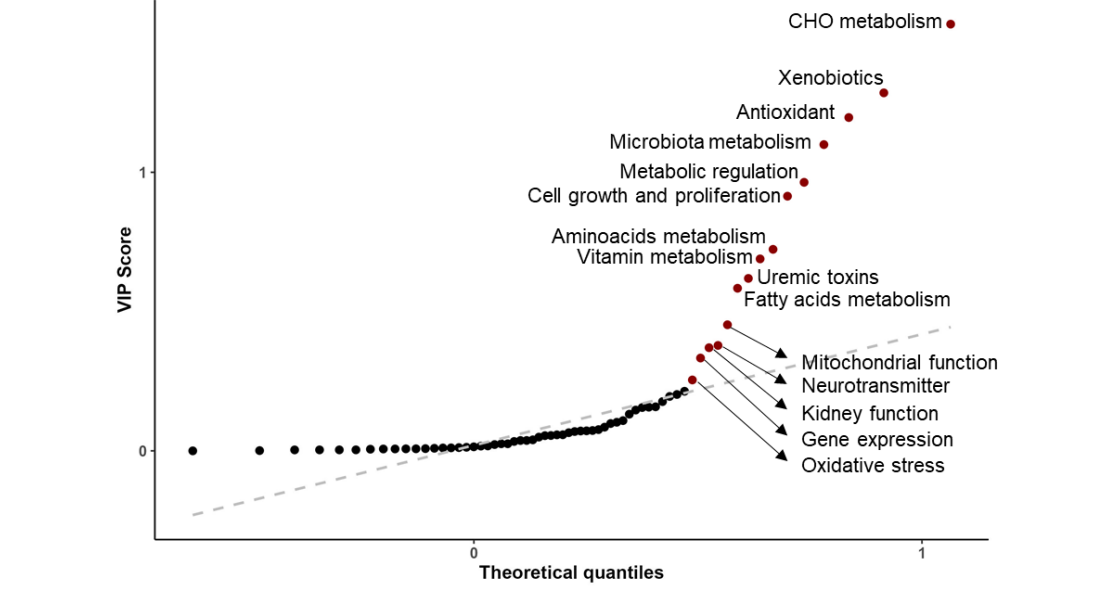
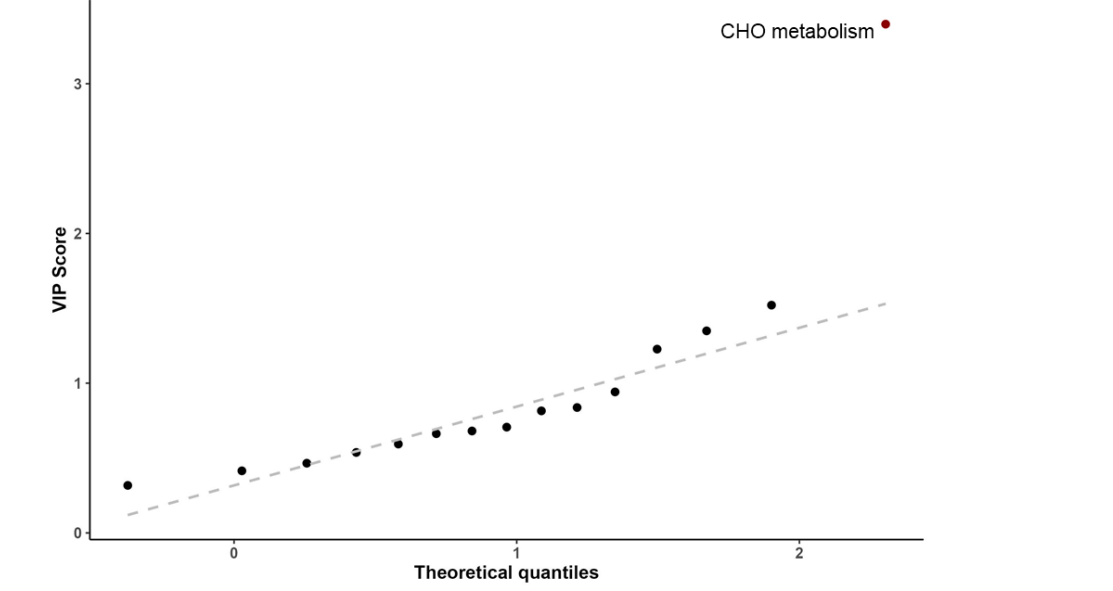
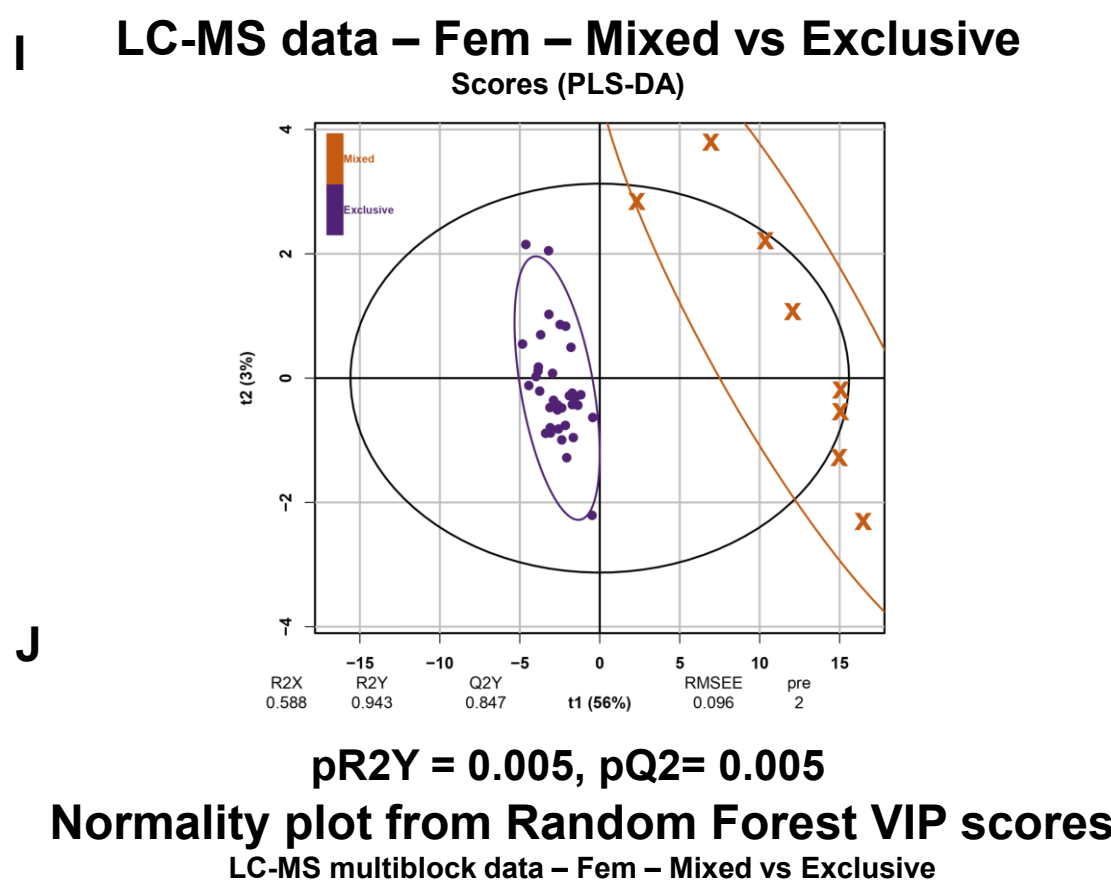
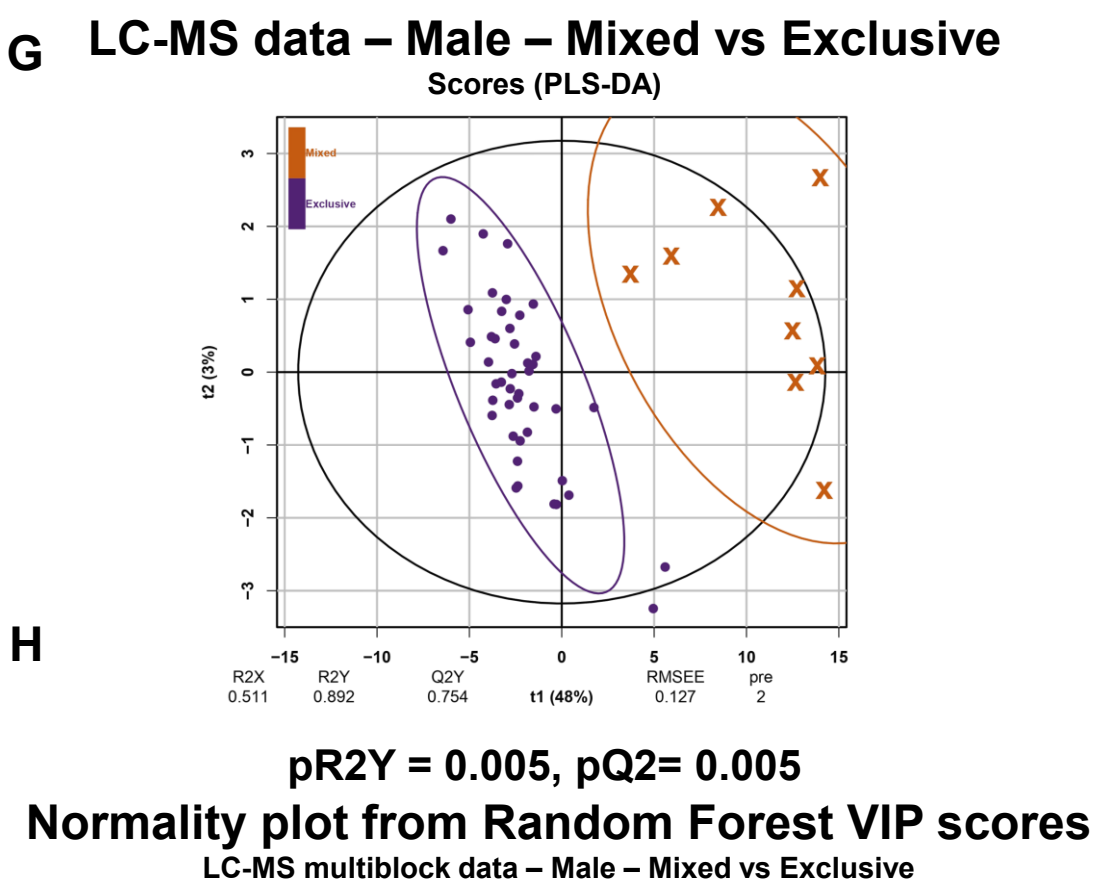
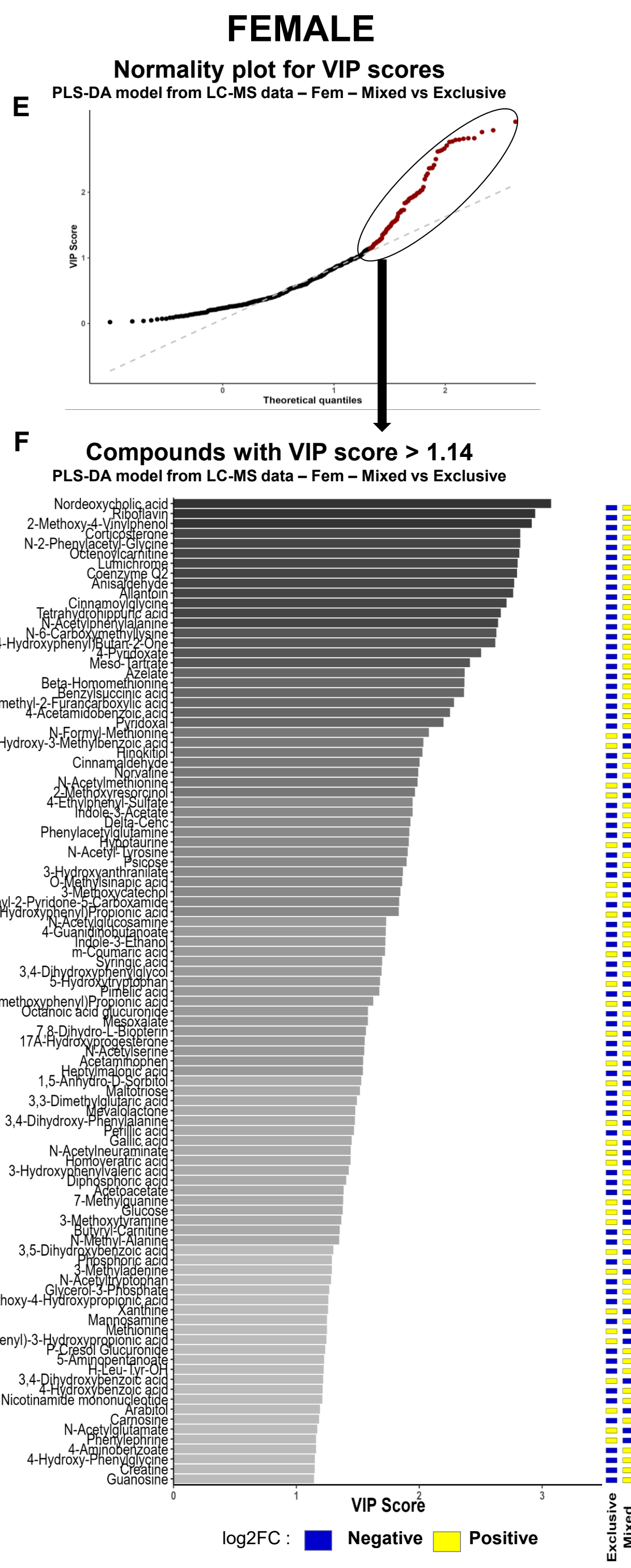
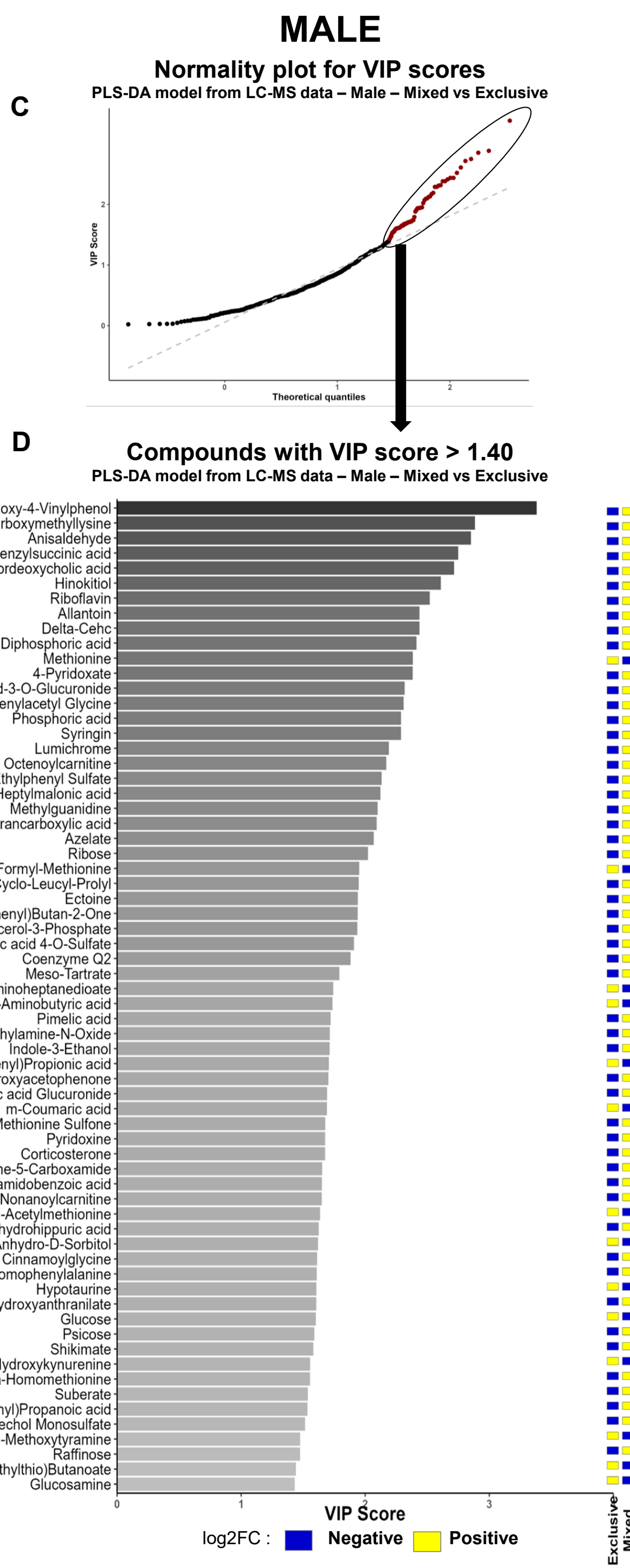
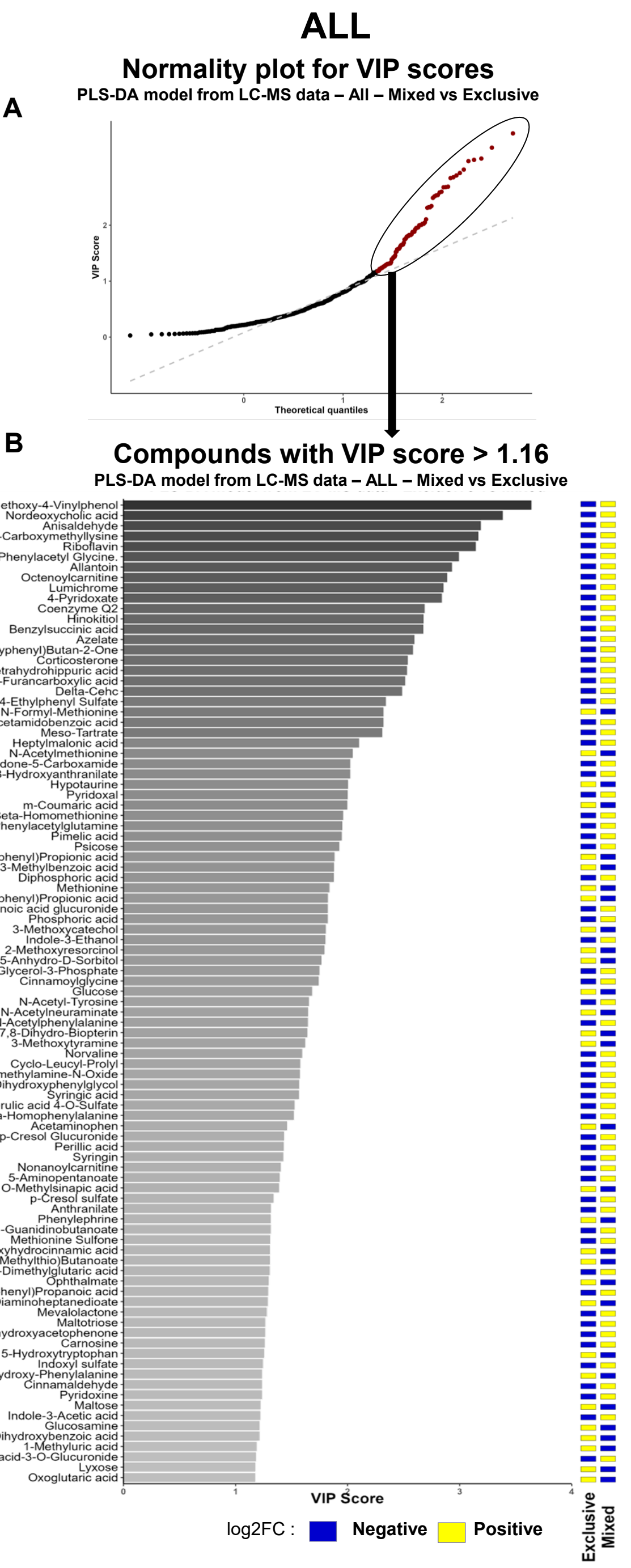
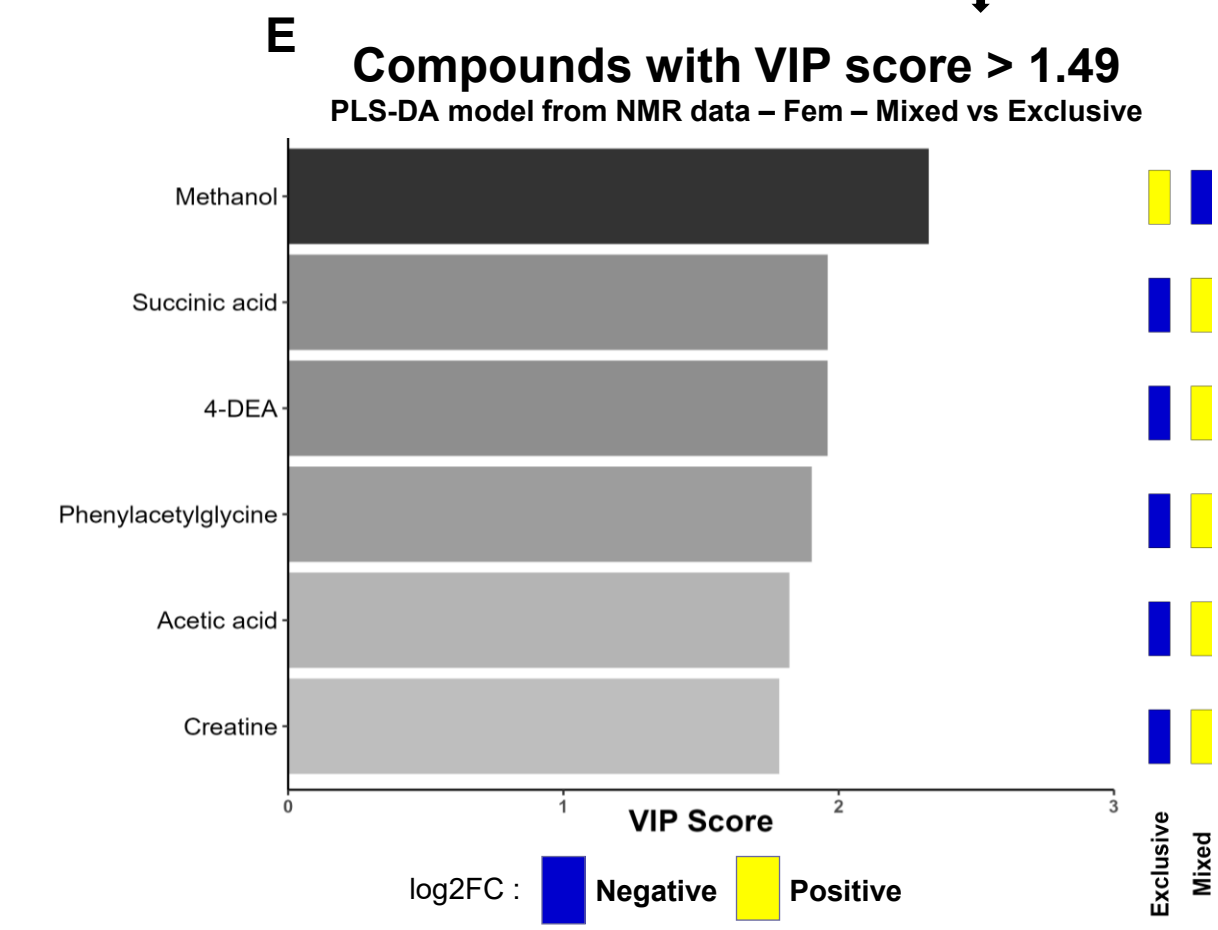
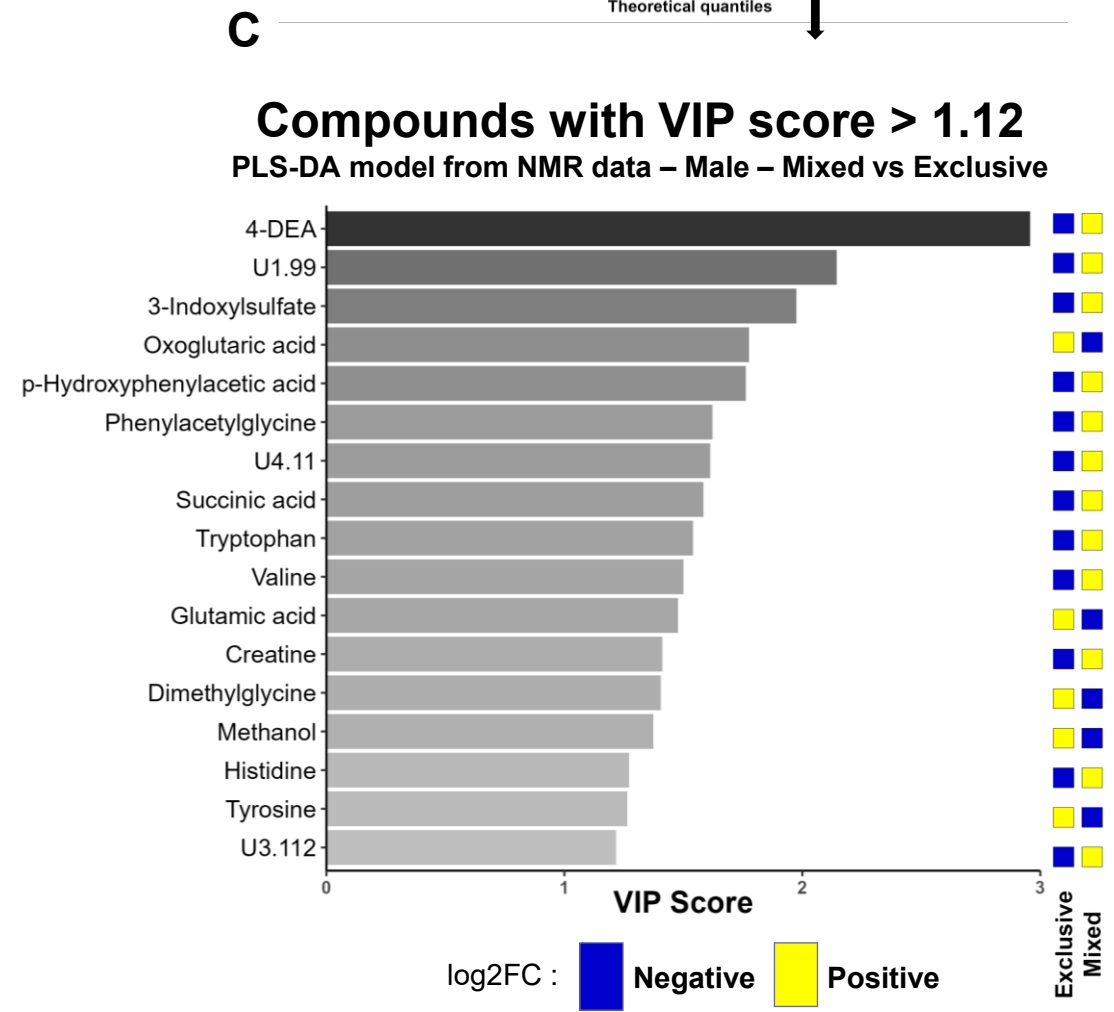
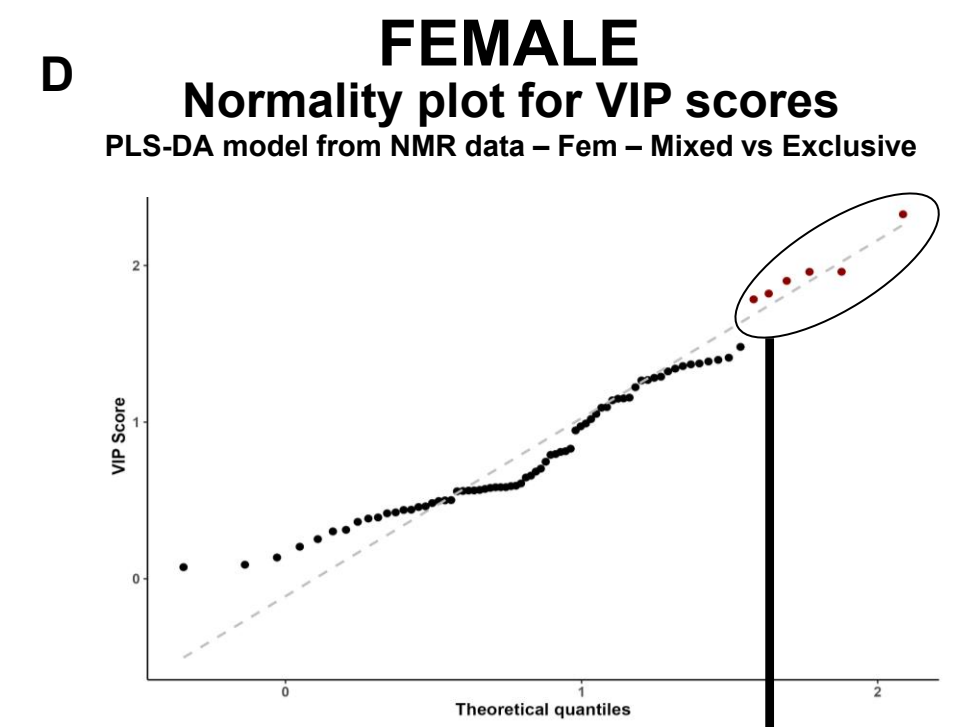
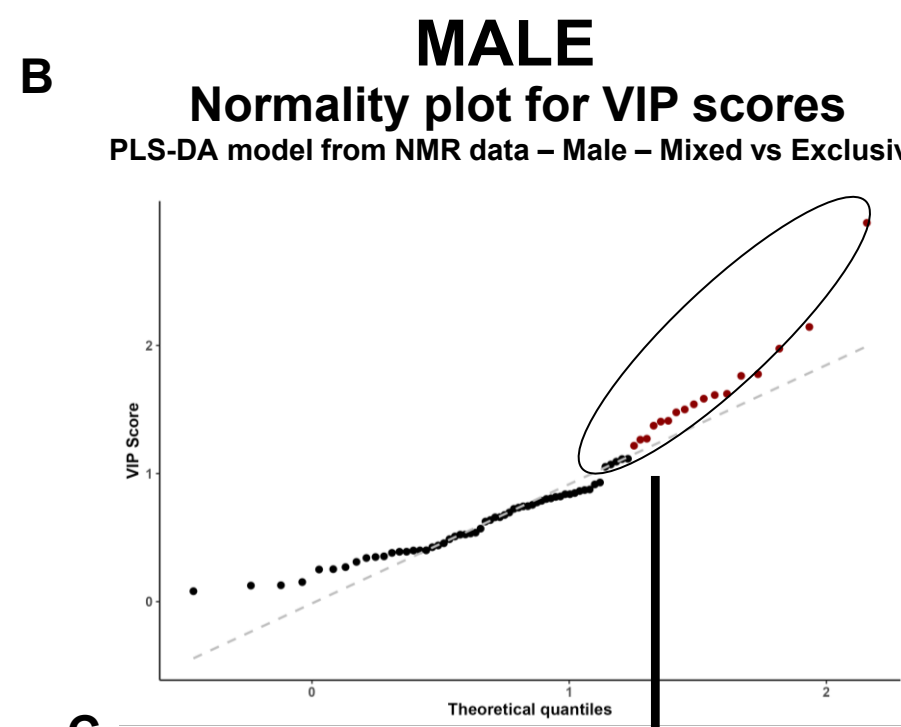
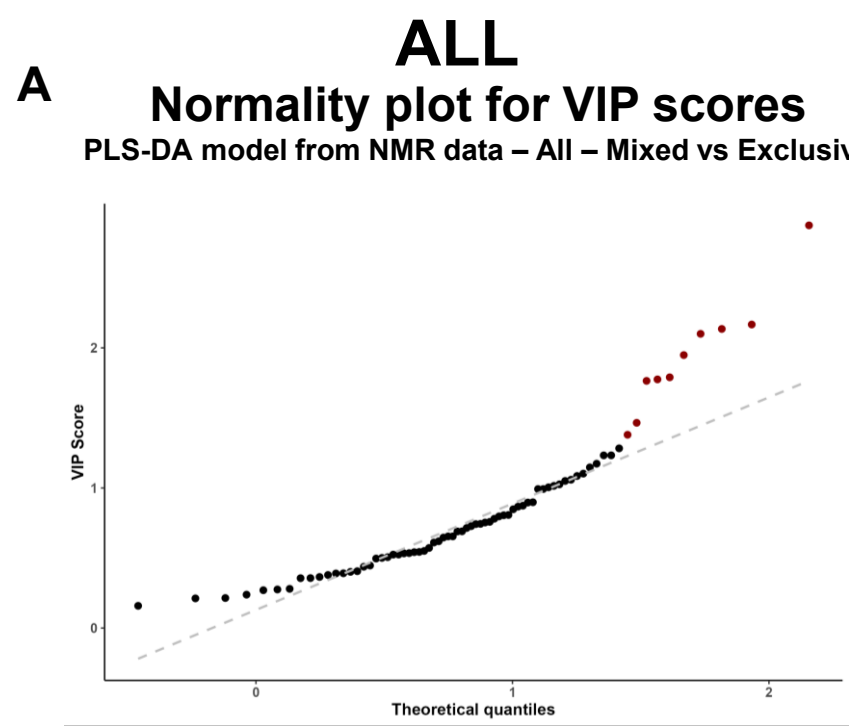


Figure S3.2 TYPE OF BREASTFEEDING: Mixed (X) vs Exclusive (•)

Metabolite analysis



Multiblock analysis

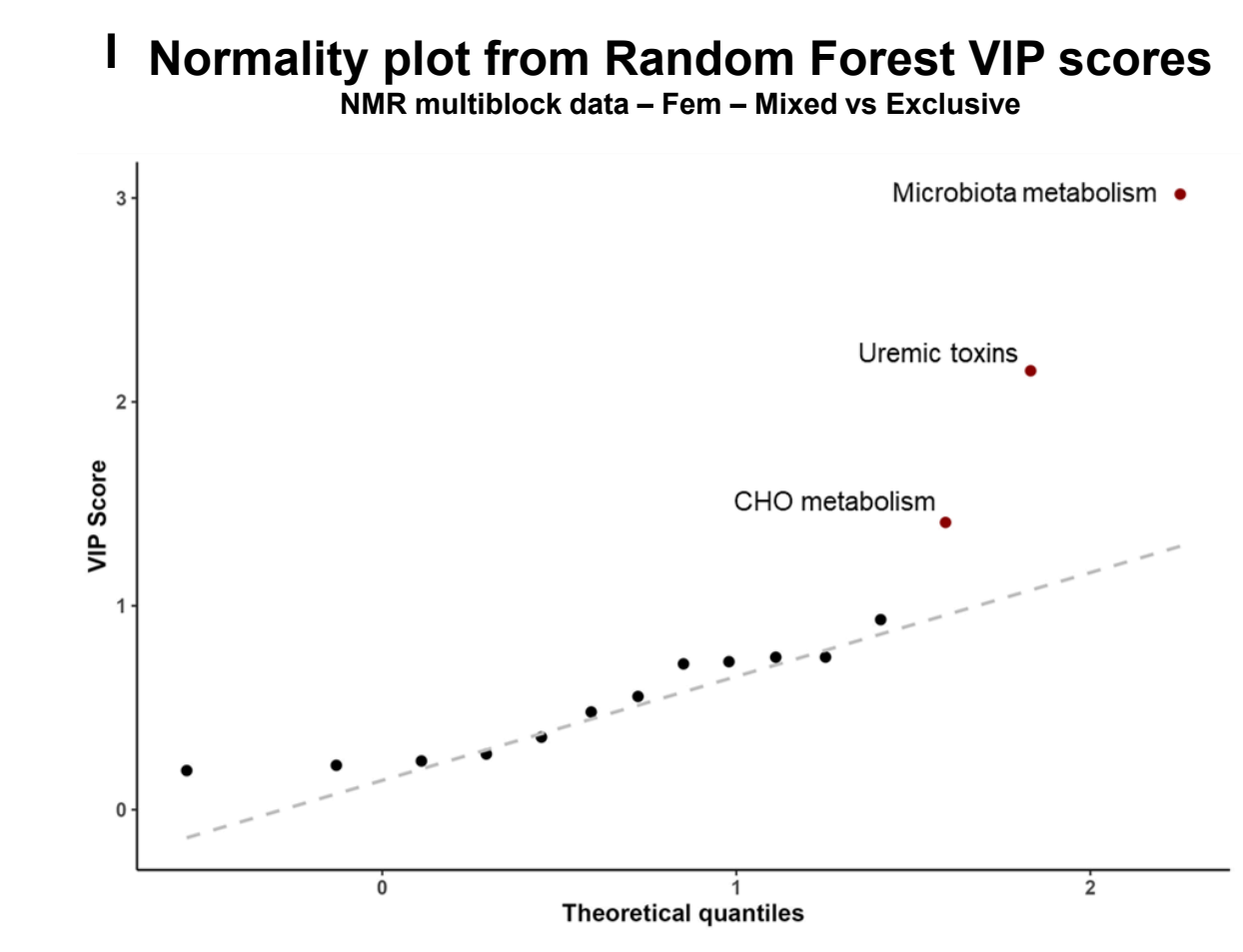
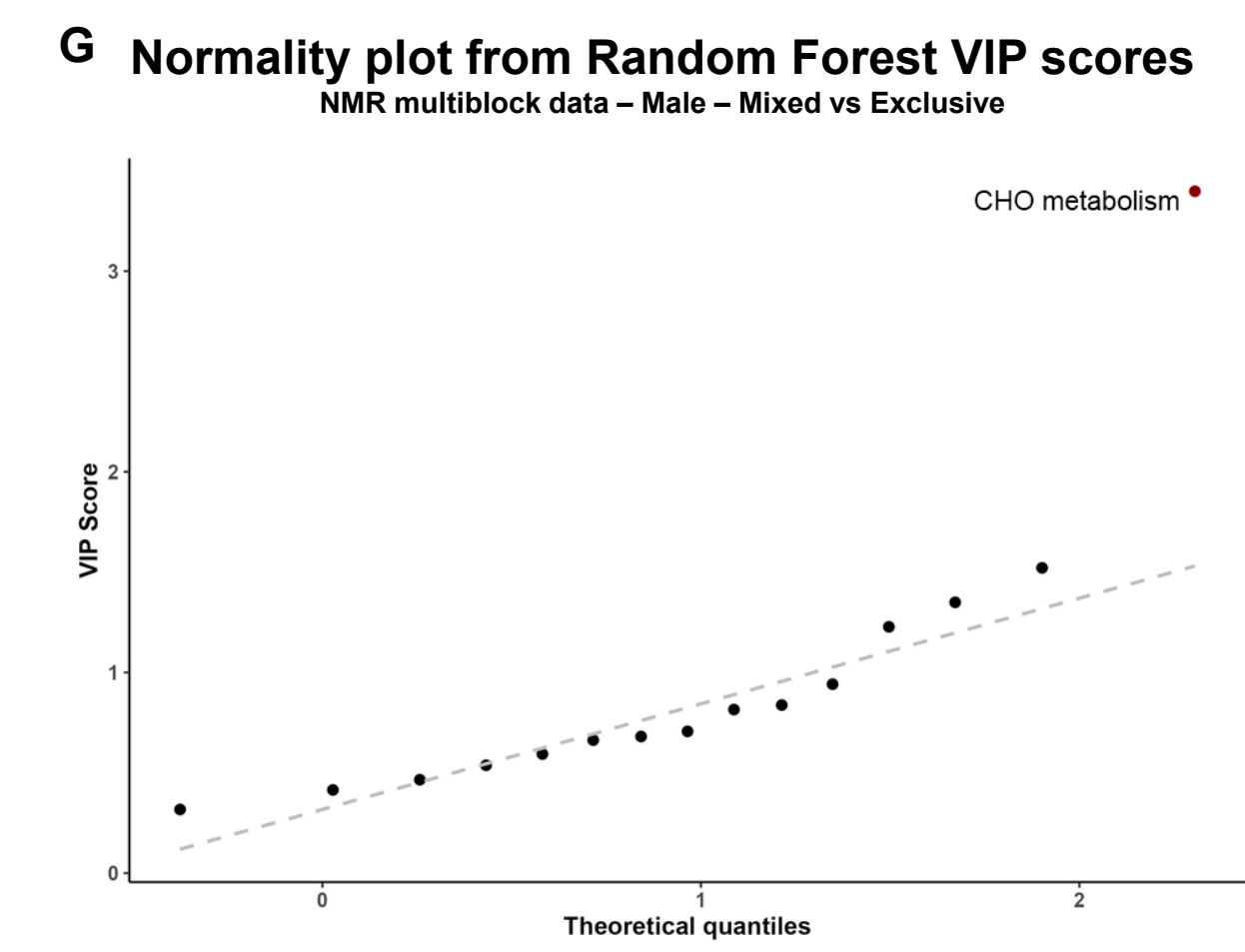
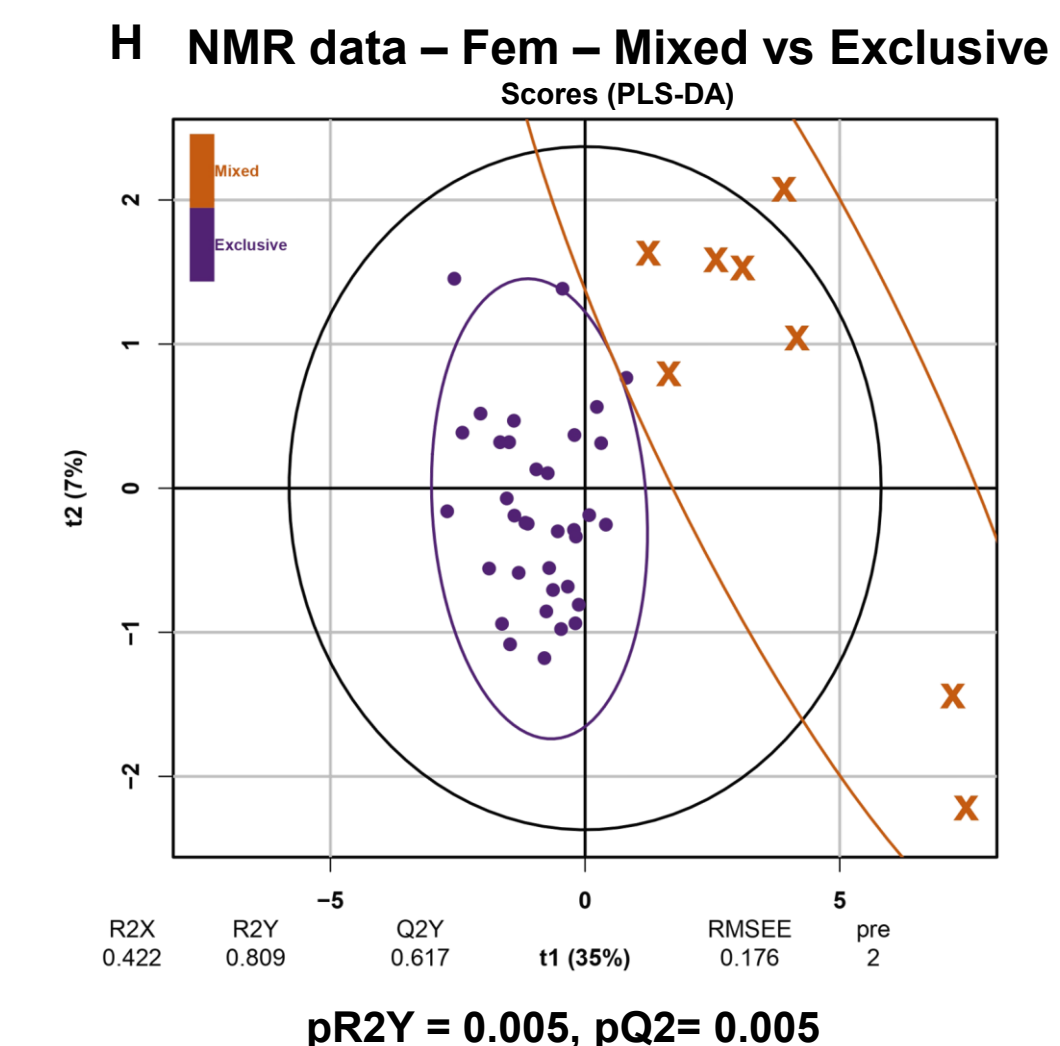
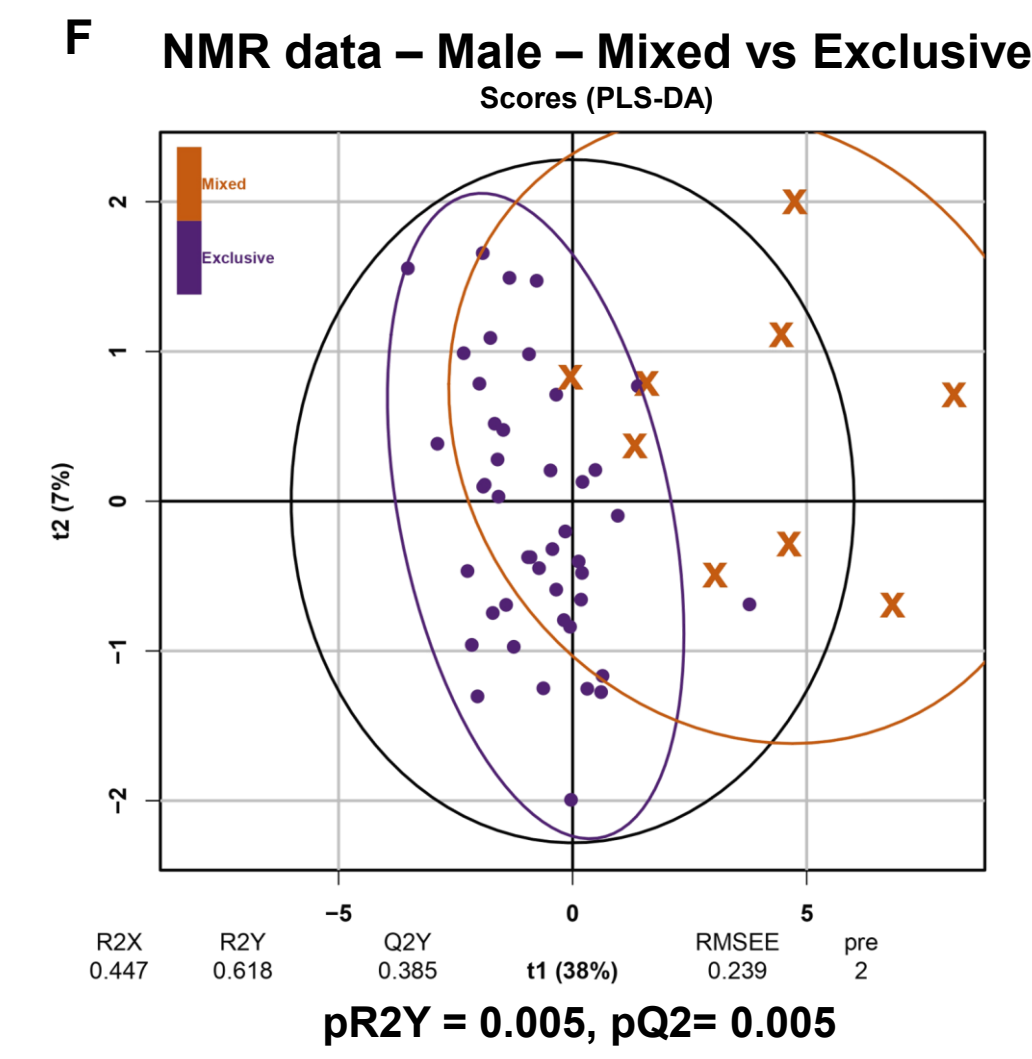


Figure S4

WEIGHT GAIN (0 – 1 month)

