

a.

18 month samples by genotype

Metabolite	padj	5xfAD vs WT
Carnosine	<0.005	Lower in 5xfAD

12 & 18 month samples by genotype

Metabolite	padj	5xfAD vs WT
Lyso PC a C18:1	<0.05	Lower in 5xfAD
Carnosine	<0.05	-

12 & 18 month samples by age

Metabolite	padj	18 vs 12 mo
Serotonin	<0.005	Lower in 18 mo
Spermine	<0.05	Lower in 18 mo
Spermidine	<0.05	Lower in 18 mo
Glutamic acid	<0.05	Lower in 18 mo

12 & 18 month samples by sex

Metabolite	padj	F vs M
SM C20:2	<0.005	Lower in F
PC ae C42:0	<0.01	Lower in F
PC aa C34:3	<0.05	Lower in F
PC aa C42:6	<0.05	Lower in F
Lysine	<0.05	Lower in F
SM (OH) C24:1	<0.05	Higher in F
PC aa C36:4	<0.05	Lower in F
PC aa C36:5	<0.05	Lower in F
PC ae C38:0	<0.05	Lower in F
PC aa 36:3	<0.05	Lower in F
PC aa 38:6	<0.05	Lower in F

b.

