

Table S4 Variance in metabolic traits explained by expression and metabolite profiles.

Trait	Gene Expression ^a	Metabolites ^a
Weight	0.320	0.522
Triglycerides	0.167	0.279
Sugar	0.295	0.180
Larval Survival	0.273	0.480
Pupal Survival	0.131	0.582
Development Time	0.353	0.427
Arrhythmia Index	0.452	0.382

^a Cells show weighted sum of R^2 values fitting the trait as a function of the first 10 principal components of either gene expression or metabolite profiles.