



**Figure S3** Maternal diet affects glycolysis in *Canton-S* embryos. Small molecule GC/MS was used to analyze the relative abundance of metabolites in embryos from mothers raised on semi-defined medium. The increased sugar concentration in the maternal diet correlates with increasing levels of (A) glucose-6-phosphate and (B) lactate during embryogenesis. (C) Pyruvate levels exhibited a modest increase during the time course. Meanwhile, similar to the *w<sup>118</sup>* experiments, (D) glycerol-3-phosphate levels increase at a constant rate. \* indicates that  $p < 0.01$  compared with 0-2 hr timepoint; Student's T-test. All data are graphically represented as described in legend for Figure 4.