**Supplementary Information**



Figure S1. The relationship between carcass weight and average larval mass (a) and larval density (b) on lab and wild carcasses.

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Figure S2. The relationship between nutrient content, measured as protein (a,b) and fat (c,d), and individual larval mass. The dataset in (a) and (c) combines lab and wild carcasses, whereas that in (b) and (d) only contains wild carcasses.

**S****upplementary Method.**

**Table S1.**

**Figure S1.**