**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 tissue nutrient content and larval growth. (a) and (b) contain observations from both lab and wild carcasses; (c) and (d) contain only observations from wild carcasses.



Figure S3. The relationship between carcass weight and brood mass on lab and wild carcasses with two observations on large wild carcasses removed.