Appendix S1. The full (unsimplified) ANOVA models.

Immunocompetence: In the full model the only independent variables that explained significant variance in immunocompetence were supplemental provisioning (F1,77 = 6.18, P = 0.015), nestling body mass (F1,77 = 5.89, P = 0.017), and the mass of the nest of origin female (F1,77 = 4.28, P = 0.042).

Body mass four year model: Considering the full model we found that the brood size in which the nestling was reared (F1,626 = 9.73, P = 0.002) adult food supplementation (F1,626 = 9.76, P = 0.002) and breast stripe size of the rearing male (F1,626 = 4.32, P = 0.038) explained significant variance in nestling body mass.

Body mass three year model: When we considered the full model, we found effects of brood size (F1,270 = 5.67, P = 0.018), adult food supplementation (F1,270 = 17.12, P < 0.001), yellow plumage brightness of the nest-of-origin female (F1,270 = 7.75, P = 0.006), yellow plumage brightness of the rearing female (F1,270 = 5.98, P = 0.015), plumage yellowness of the rearing female (F1,270 = 6.32, P = 0.013) stripe blackness of the rearing female (F1,270 = 17.58, P < 0.001), plumage yellowness of the rearing male (F1,270 = 5.51, P = 0.019) and the body mass of the nest-of-origin female (F1,270 = 7.95, P = 0.005).