



**Figure 2.2** Geometric approach to nutrient intake in fifth-instar nymphs of *Locusta migratoria* fed a wide range of artificial diets.

*Note:* Nutrient consumption is shown as a bivariate plot of protein and carbohydrate consumption. Crosses indicate the intake target reached in experiments with various choices of foods (the circle is a separate estimate of the intake target). Asterisks indicate the growth target reached in no-choice experiments on different diets. Boxes at the end of the rails give the proportions of carbohydrate to protein. The intake target is close to a 1:1 ratio.