

### S3. Method used to calculate the area above the curve of drop in stomachal temperature during ingestion events.

We used the equation:

$$Area_{event} = |area_{trapezoid}| - (|T_C - T_A| * (t_C - t_A)) / 2$$

Where  $area_{trapezoid}$  was calculated using the integral function “trapezoid()” from Python package “scipy” (version: 1.9.1), and  $T_A$ ,  $T_C$  (°C) and  $t_A$ ,  $t_C$  (s) are respectively the stomachal temperature and time at points A and C (start and end of the ingestion event).

Recovery temperature C can be greater than initial temperature A (1) or lower than A (2) (based on Kuhn and Costa, 2006): the grey area below corresponds to  $area_{trapezoid}$  calculated with the trapezoid method, and hatched area corresponds to half of the additional rectangular area calculated  $(|T_C - T_A| * (t_C - t_A)) / 2$ .

