Table S1. Macros used to determine CT_{max} from $\dot{V}_{CO_2}$ data points either as the absolute difference sum (ADS) or as the cessation of spiracular activity (CSA) using Expedata analytical software (Sable Systems International)

	Step	Code line
A		
	1	Create channel
	2	Assign title last_channel=ADS
	3	Active channel 3 ADS
	4	Transform differentiate all_samples timebase seconds
	5	Correction smooth_nearest_neighbor all_samples width 5 repeat 1
	6	Transform differentiate all_samples timebase seconds
	7	Transform power all_samples exponent 2
	8	Transform absolute_difference_sum all_samples
B		
	1	Create channel
	2	Assign title last_channel=CSA
	3	Active channel 3 CSA
	4	Transform differentiate all_samples timebase seconds
	5	Transform power all_samples exponent 2

(A) To determine ADS, $\dot{V}_{CO_2}$ data were (1–3) first copied into a new channel, which was named and selected as the activate channel. These $\dot{V}_{CO_2}$ data were then (4) differentiated against the time variable, (5) corrected by smoothing, (6) differentiated a second time, and (7) squared to magnify differences between the CO_2 signal and electrical noise. From these corrected data (8) the absolute difference sum was then calculated.

(B) To determine CSA, the same procedures described above in steps 1–4 and 7 were used.