

Table S1. Back-transformed predicted means and standard errors from general linear mixed models of mean  $T_s$ , maximum  $T_s$  and area as a function of flight speed for each heat dissipation region (HDAs).

Measurement	Region	Flight Speed (m/s)							Standard Error of Differences		
		0	2	4	6	8	10	12	Average	Minimum	Maximum
Mean $T_s$ (°C)	Body	24.56	24.06	24.16	24.05	24.00	23.96	24.00	0.3212	0.2330	0.4461
	Hean	30.21	30.17	29.86	29.54	29.85	29.73	29.63	0.1844	0.1318	0.2557
	Feet	29.17	28.05	28.74	28.16	28.48	28.58	28.72	0.6550	0.4865	0.8434
	Axial	30.73	29.66	30.06	29.63	30.14	30.2	30.57	0.2992	0.2323	0.3838
Maximum $T_s$ (°C)	Body	37.65	34.74	34.24	33.91	34.02	34.75	34.76	0.6538	0.6453	0.6751
	Eye	34.92	34.03	33.57	33.22	33.26	33.03	32.67	0.2535	0.2501	0.2619
	Feet	35.28	29.01	28.13	28.01	28.01	28.45	28.01	0.7169	-	-
	Axial	36.28	34.24	33.8	33.9	33.9	35.67	35.55	0.6970	0.6789	0.7422
Area (mm <sup>2</sup> )	Eye	45.38	27.97	24.93	23.91	19.01	18.1	14.42	2.559	2.525	2.643
	Axial	54.95	35.39	24.75	21.11	22.1	31.78	22.97	5.617	5.473	5.975