

Supplemental information

Human total, basal and activity energy expenditures are independent of ambient environmental temperature

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Supplementary Materials for

Human total, basal and activity energy expenditures are independent of ambient temperature.

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see supplementary materials

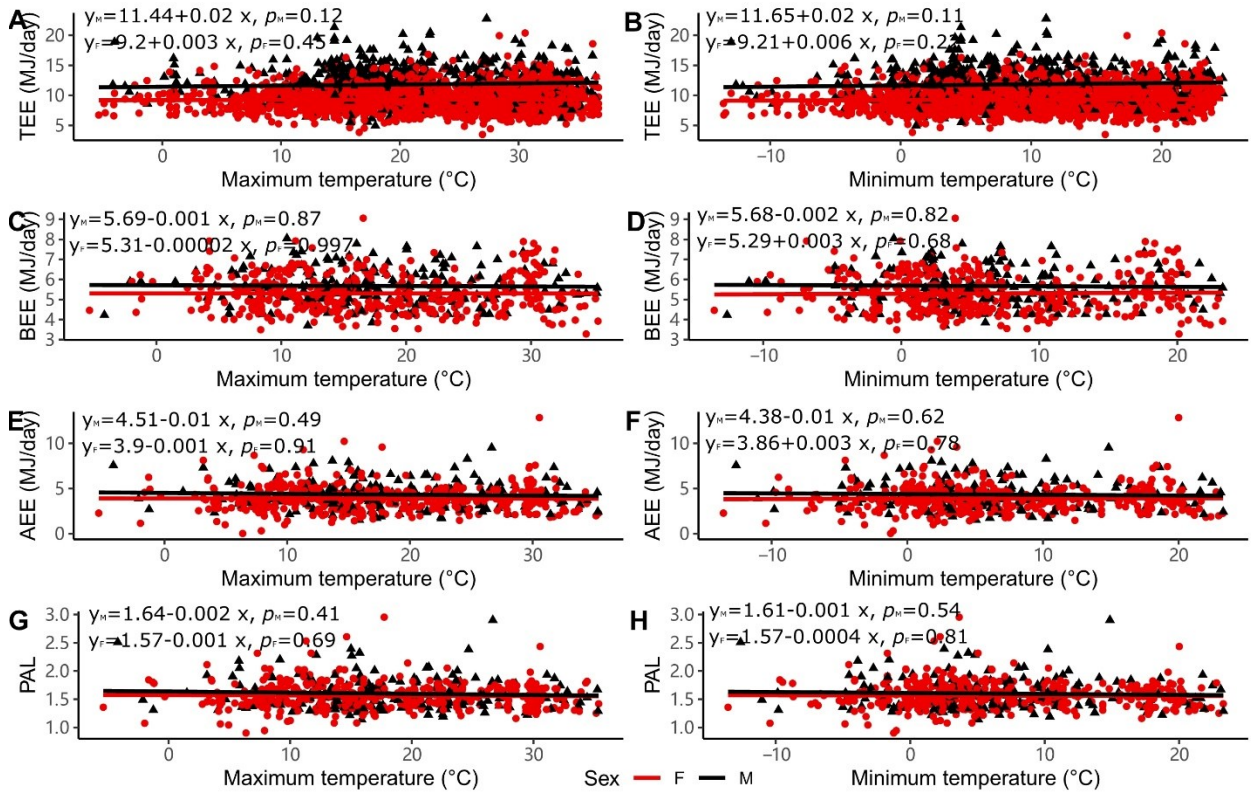
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This PDF file includes:

Figure S1 to S3

38 **Figure S1**

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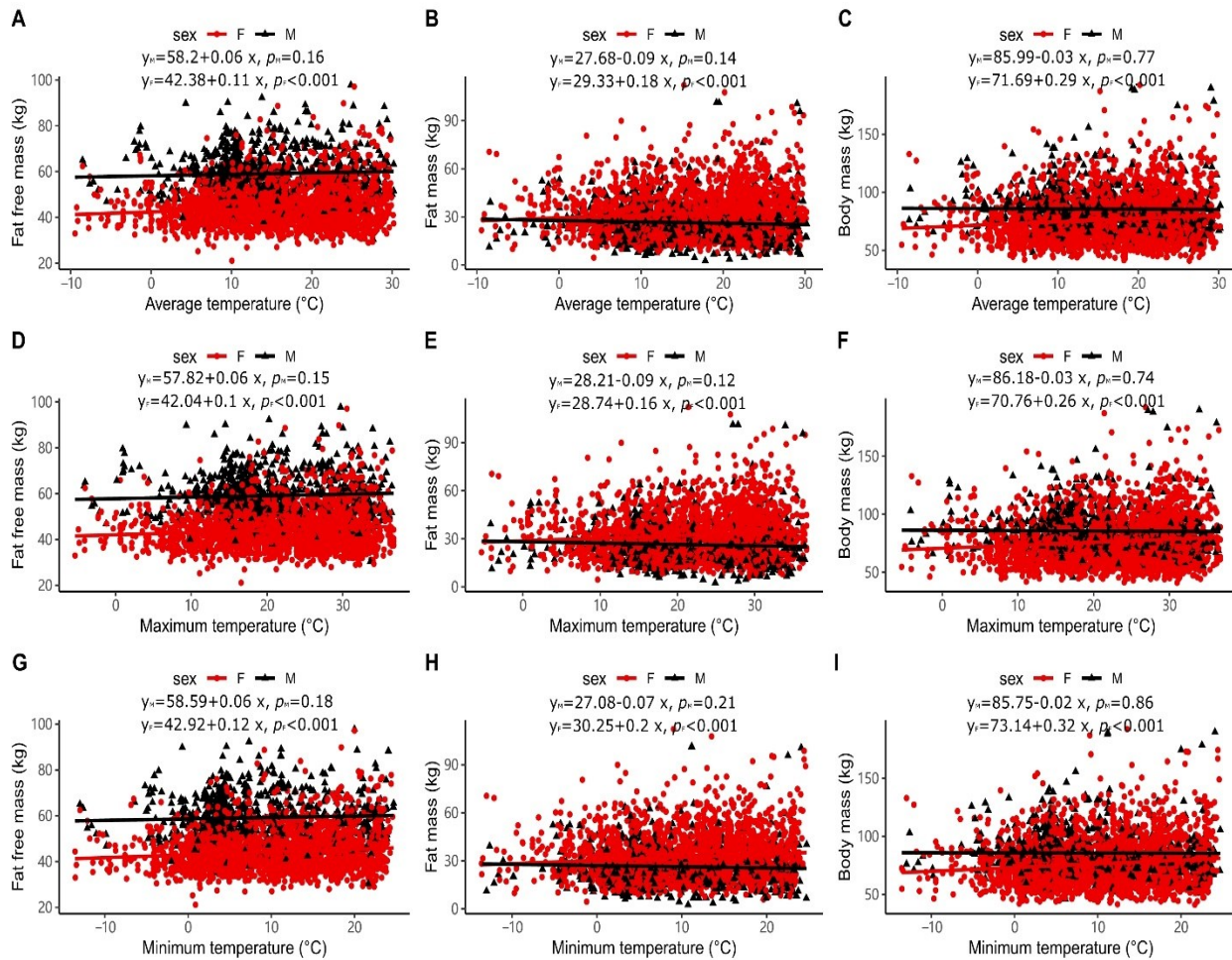


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42 **Figure S1.** Associations between unadjusted total, basal, activity energy expenditure, physical
 43 activity levels and ambient temperature. A maximum and B minimum temperature (°C) vs TEE
 44 (MJ/day). C maximum and D minimum temperature (°C) vs BEE (MJ/day). E maximum and F
 45 minimum temperature (°C) vs AEE (MJ/day). G maximum and H minimum temperature (°C) vs
 46 PAL. Each data point is a different individual. The black lines are the least squares fitted
 47 regression lines for males and the red lines are for females. Related to Figure 1.

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49 **Figure S2**



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51 **Figure S2** Associations between all the traits and ambient temperature. A fat free mass (kg) vs
 52 TAVG (°C). B fat mass (kg) vs TAVG (°C). C body mass (kg) vs TAVG (°C). D fat free mass
 53 (kg) vs TMAX (°C). E fat mass vs TMAX (°C). F body mass (kg) vs TMAX (°C). G fat free mass
 54 (kg) vs TMIN (°C). H fat mass (kg) vs TMIN (°C). I body mass (kg) vs TMIN (°C). Each data
 55 point is a different measurement of the trait. The black lines are the least squares fitted regression
 56 lines for males and the red lines are for females. Related to Figure 2.

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Figure S3

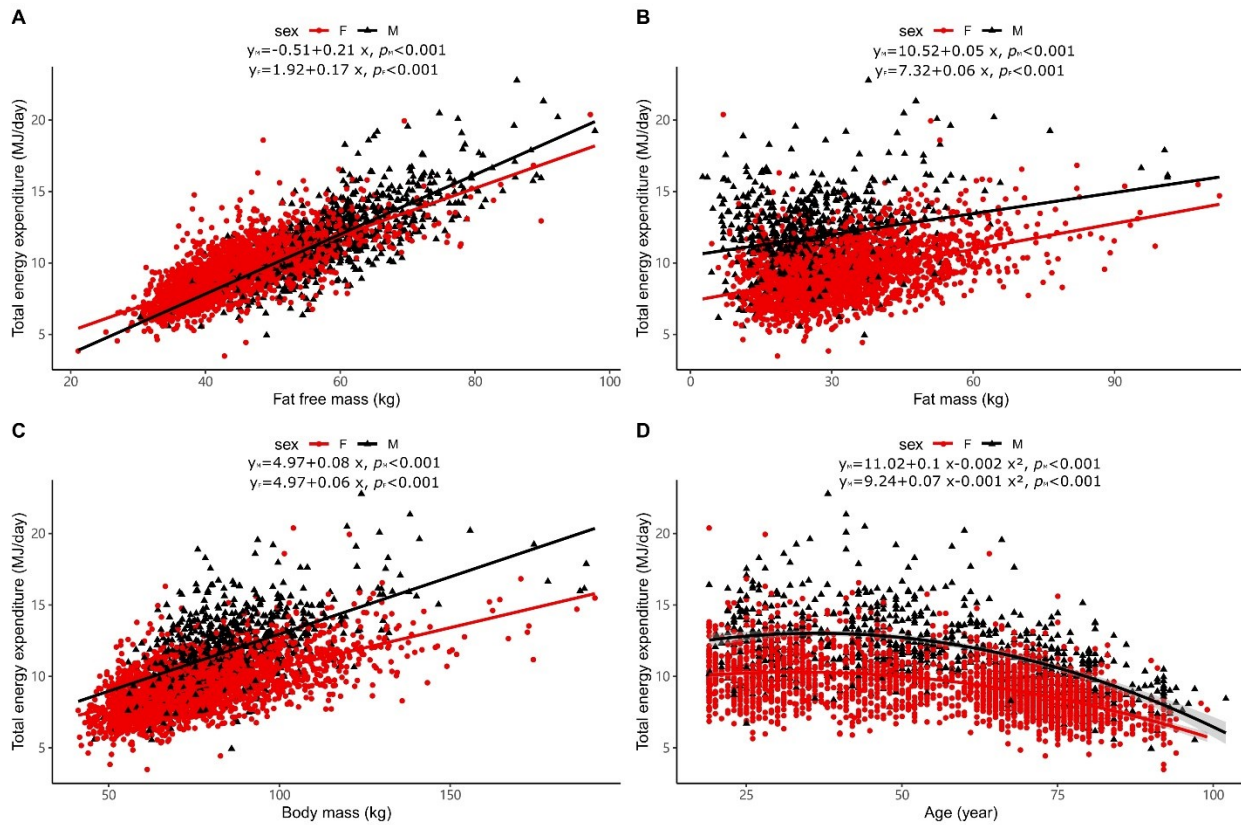


Figure S3 Associations between unadjusted total energy expenditure with A fat free mass (kg). B fat mass (kg). C body mass (kg). D age (year). All expenditures are in MJ/day and each data point is a different measurement of expenditure. The black lines are the least squares fitted regression lines for males and the red lines are for females. Related to Figure 2.