

**Supplemental Table 2. Linear Regression of Cortisol Secretion Parameters, IGF-1, FT4 and Approximate Entropy versus BMI in Healthy Volunteers**

|                                 | <b>R</b> | <b>P-value</b> | <b>β</b>     |
|---------------------------------|----------|----------------|--------------|
| Pulse frequency (min)           | 0.010    | 0.91           | 0.008±0.074  |
| Slow half-life (min)            | 0.022    | 0.81           | 0.038±0.157  |
| Mode day (min)                  | 0.097    | 0.29           | -0.158±0.147 |
| Mode night (min)                | 0.064    | 0.48           | 0.096±0.136  |
| Basal secretion (nmol/L/24h)    | 0.021    | 0.81           | -2.34±22.03  |
| Pulsatile secretion nmol/L/24h) | 0.138    | 0.13           | -36.08±24.0  |
| Total secretion nmol/L/24h)     | 0.128    | 0.16           | -39.1±27.5   |
| Mean pulse mass nmol/L)         | 0.100    | 0.27           | -1.76±1.59   |
| Weibull lambda (no/24h)         | 0.067    | 0.46           | 0.047±0.064  |
| Weibull gamma (dimensionless)   | 0.002    | 0.98           | 0.000±0.006  |
| IGF-1 (nmol/L))                 | 0.063    | 0.49           | -0.068±0.099 |
| Free T4 (nmol/L))               | 0.237    | 0.03           | -0.102±0.046 |
| ApEn (dimensionless)            | 0.053    | 0.56           | 0.002±0.003  |

The slope is expressed as mean ± SD. Logarithmical transformation of basal, pulsatile and total secretion did not change outcome. Separate analyses for men and women were comparable.