**SUPPLEMENTAL TABLE S2.** Results of second-degree fractional polynomials

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Coefficient | S.E. | p | Deviance | Deviance difference | p (\*) |
| Normalized HFi |  |  |  | 14721.343 | 6396.326 | <0.001 |
| Intercept | 104.164 | 0.207 | <0.001 |  |  |  |
| Time | -6.517 | 0.022 | <0.001 |  |  |  |
| Time\*ln(Time) | 1.221 | 0.004 | <0.001 |  |  |  |
| Normalized LFi |  |  |  | 6283.756 | 12980.822 | <0.001 |
| Intercept | 89.558 | 0.038 | <0.001 |  |  |  |
| Time | -1.580 | 0.001 | <0.001 |  |  |  |
| Time2 | 0.008 | 0.000 | <0.001 |  |  |  |
| Normalized LFi /HFi |  |  |  | 18116.954 | 4993.789 | <0.001 |
| Intercept | 11.862 | 0.268 | <0.001 |  |  |  |
| Time | 1.401 | 0.010 | <0.001 |  |  |  |
| Time2 | -0.011 | 0.000 | <0.001 |  |  |  |
| HR |  |  |  | 10718.812 | 2571.755 | <0.001 |
| Intercept | 63.349 | 0.165 | <0.001 |  |  |  |
| Time0.5 | 4.701 | 0.052 | <0.001 |  |  |  |
| Time | -0.398 | 0.004 | <0.001 |  |  |  |
| Normalized PPGA |  |  |  | 13492.334 | 2910.162 | <0.001 |
| Intercept | 13.637 | 0.082 | <0.001 |  |  |  |
| Time2 | 0.011 | 0.000 | <0.001 |  |  |  |
| Time3 | 0.000 | 0.000 | <0.001 |  |  |  |

The best-fitting second-degree fractional polynomials are shown, and a statistical testing against the best-fitting first-degree fractional polynomials through deviances was performed. (\*) p-value from deviance difference comparing first-degree with second-degree fractional polynomial. HF, high-frequency power; HFi, instantaneous high-frequency power; HR, heart rate; LF, low-frequency power; LFi, instantaneous low-frequency power; PGGA, photoplethysmography amplitude