**Supplementary table 2.** Linear regression analyses when examining the associations of accelerometer-based light physical activity and accelerometer-based sedentary behavior with work engagement for men and women.

|  |  |  |
| --- | --- | --- |
|  |  | The subscales of work engagement |
|  | Work engagement | Vigor | Dedication | Absorption |
| *Model1* | *Ba SE Adj. R*2  *p* | *B SE AdjR*2  *p* | *B SE AdjR*2  *p* | *B SE AdjR*2  *p* |
| *Men* |  |  |  |  |
| *SED*  | 1.603 2.676 0.000 0.549  | -1.748 18.971 0.009 0.508 | 3.840 21.237 0.000 0.194 | 4.771 22.320 0.001 0.124 |
| *Light PAa* | -0.019 0.032 0.000 0.557 | 0.022 0.032 0.000 0.491 | -0.044 0.035 0.000 0.217 | -0.071 0.037 0.002 0.057 |
| *Women* |  |  |  |  |
| *SED* | -7.299 2.376 0.004 0.002 | -9.990 2.347 0.009 <.001 | -5.704 2.663 0.002 0.032 | 0.698 2.887 0.000 0.809 |
| *Light PA**Model2**Men* |  0.094 0.026 0.006 <.001 | 0.118 0.026 0.011 <.001 |  0.081 0.029 0.004 0.005 |  0.011 0.031 0.000 0.726 |
| *SED*  | -2.494 2.910 0.137 0.392  | -3.612 2.931 0.107 0.218 | -0.794 3.212 0.134 0.805 | -2.739 3.518 0.102 0.436 |
| *Light PAa* |  0.040 0.036 0.138 0.259 | 0.057 0.036 0.067 0.116 | 0.019 0.040 0.134 0.631 | 0.039 0.043 0.103 0.365 |
| *Women* |  |  |  |  |
| *SED* | -9.146 2.734 0.102 <.001 | -10.892 2.729 0.102 <.001 | -7.818 3.056 0.091 0.011 | -3.707 3.149 0.023 0.239 |
| *Light PA* |  0.079 0.028 0.100 0.008 |  0.101 0.030 0.099 <.001 |  0.060 0.033 0.089 0.070 |  0.015 0.038 0.038 0.696 |

aPhysical activity. Model2 was adjusted for marital status, education, socioeconomic status, work hours, body-mass index, effort-reward imbalance, and job strain.