**Table 1. Descriptive Characteristics of the Overall Study Population and by Relative Amplitude Categories**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristics | OverallSample  (n=4587) | RABelow  (n=2293) | RAAbove  (n=2293) | P.Value |
| Age | 48.72 (16.67) | 49.64 (17.55) | 46.98 (16.37) | <0.001 |
| Gender-Female | 52.9% | 51% | 54.5% | 0.096 |
| Race-Asian Race-Black Race-Hispanic Race-White | 4.8% 11% 14.5% 66.8% | 4.8% 16.5% 12.6% 62.3% | 4.8% 6.7% 16.2% 70.2% | <0.001 |
| Marital Status-Married Marital Status-Not Married | 63.9% 36.1% | 56.3% 43.6% | 68.6% 31.4% | <0.001 |
| Education Dichotomous-College Education Dichotomous-No College | 63.6% 36.3% | 61.9% 38% | 64.5% 35.5% | 0.288 |
| Smoking Status-1 | 19.3% | 24% | 15.8% | <0.001 |
| Alcohol (# Drinks/Day) | 2.52 (2.13) | 2.63 (2.21) | 2.49 (2.12) | 0.250 |
| Sleep Duration | 6.94 (1.61) | 6.81 (1.98) | 7.07 (1.2) | 0.002 |
| Sleep Disorder-1 | 10.8% | 12% | 9.6% | 0.092 |
| BMI (kg/m^2) | 29.37 (7.11) | 30.45 (7.74) | 28.35 (6.41) | <0.001 |
| Obesity-1 | 39.2% | 45.2% | 33.5% | <0.001 |
| Waist Circumference | 100.14 (16.57) | 103.13 (17.81) | 97.21 (15.11) | <0.001 |
| Central Adiposity-1 | 56.8% | 62.4% | 50.8% | <0.001 |
| Fasting Glucose (mg/dl) | 105.88 (32.39) | 112.28 (41.93) | 100.81 (21.19) | <0.001 |
| Type 2 Diabetes-1 | 13.1% | 18.5% | 8.7% | <0.001 |
| Systolic Blood Pressure (mmHg) | 121.29 (16.35) | 123.41 (17.34) | 119.26 (15.09) | <0.001 |
| Diastolic Blood Pressure (mmHg) | 69.48 (11.9) | 69.58 (13.08) | 69.1 (11.08) | 0.211 |
| Hypertension-1 | 43.3% | 49.6% | 36.7% | <0.001 |
| Cardiovascular Disease-1 | 9.5% | 13.4% | 5.9% | <0.001 |
| Inter-daily Stability (IS60) | 0.64 (0.16) | 0.58 (0.16) | 0.68 (0.15) | <0.001 |
| Intra-daily Variability (IV60) | 0.69 (0.25) | 0.76 (0.25) | 0.63 (0.24) | <0.001 |
| M10 Midpoint | 14.16 (2.72) | 14.48 (2.99) | 13.92 (2.47) | <0.001 |
| M10 Counts | 497.17 (169.59) | 455.74 (153.98) | 532.67 (174.95) | <0.001 |
| L5 Midpoint | 3.89 (3.67) | 4.41 (4.04) | 3.47 (3.23) | <0.001 |
| L5 Counts | 36.82 (37.39) | 59.75 (45.35) | 17.97 (9.5) | <0.001 |
| Relative Amplitude | 0.86 (0.12) | 0.77 (0.13) | 0.94 (0.03) | <0.001 |

**1. BMI: body mass index; L5: Least Active 5 hour period; M10: most active 10-hour period; RA: relative amplitude.  
2. RA median value was 0.89.  
3. Education Dichotomous: With or without a college degree.  
4. Smoking Status: Smoke or not smoke at all.  
5. Sleep Disorder: Ever diagnosed with sleep disorder or not.  
6. Chi-square tests were used to compare mean values across categories for categorical values and t-tests were used for continuous variables.**

**Table 2. Logistic regression models for 24-h Rest-Activity Pattern Variables in Relation to Blood Pressure**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Cardiovascular Disease (Sample Size = 4587) | | | |
| 24-h Rest-Activity Pattern Variables | Model 1  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 2  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 3  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 4  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* |
| Inter-daily Stability (IS60) < 0.58 0.58 - 0.72 > 0.72 | 1.32 (0.97-1.78) 0.72 (0.52-0.98)  *p-trend=0.037* | 1.08 (0.59-1.96) 0.48 (0.31-0.76)  *p-trend=0.002* | 1.1 (0.59-2.06) 0.52 (0.32-0.83)  *p-trend=0.007* | 1.09 (0.59-2.03) 0.5 (0.31-0.8)  *p-trend=0.004* |
| Intra-daily Variability (IV60) < 0.56 0.56 - 0.77 > 0.77 | 2.09 (1.38-3.16) 3.82 (2.78-5.26)  *p-trend<0.001* | 1.74 (1.13-2.68) 3.1 (1.8-5.34)  *p-trend<0.001* | 1.7 (1.12-2.59) 2.85 (1.69-4.8)  *p-trend<0.001* | 1.7 (1.11-2.59) 2.78 (1.54-5.02)  *p-trend<0.001* |
| M10 Midpoint < 12.82 12.82 - 15.15 > 15.15 | 0.95 (0.77-1.18) 0.53 (0.39-0.72)  *p-trend<0.001* | 1.28 (0.98-1.67) 1.39 (0.88-2.18)  *p-trend=0.154* | 1.3 (0.99-1.72) 1.32 (0.84-2.09)  *p-trend=0.229* | 1.27 (0.97-1.66) 1.32 (0.83-2.09)  *p-trend=0.234* |
| M10 Counts (x100) < 4.14 4.14 - 5.58 > 5.58 | 0.36 (0.28-0.46) 0.21 (0.15-0.29)  *p-trend<0.001* | 0.39 (0.25-0.6) 0.28 (0.18-0.46)  *p-trend<0.001* | 0.41 (0.26-0.65) 0.32 (0.2-0.51)  *p-trend<0.001* | 0.41 (0.27-0.64) 0.32 (0.2-0.51)  *p-trend<0.001* |
| L5 Midpoint < 2.6 2.6 - 3.97 > 3.97 | 0.94 (0.76-1.17) 1.1 (0.79-1.53)  *p-trend=0.574* | 1.16 (0.75-1.8) 1.7 (1.18-2.44)  *p-trend=0.004* | 1.11 (0.71-1.74) 1.59 (1.07-2.37)  *p-trend=0.021* | 1.18 (0.77-1.79) 1.57 (1.07-2.29)  *p-trend=0.021* |
| L5 Counts < 21.54 21.54 - 39.38 > 39.38 | 1.05 (0.8-1.38) 1.6 (1.23-2.06)  *p-trend<0.001* | 1.04 (0.64-1.7) 1.59 (1.06-2.37)  *p-trend=0.024* | 1.02 (0.61-1.68) 1.45 (0.91-2.33)  *p-trend=0.120* | 1.09 (0.67-1.76) 1.55 (1.02-2.36)  *p-trend=0.040* |
| Relative Amplitude < 0.84 0.84 - 0.92 > 0.92 | 0.49 (0.38-0.63) 0.29 (0.2-0.4)  *p-trend<0.001* | 0.53 (0.38-0.74) 0.38 (0.22-0.66)  *p-trend<0.001* | 0.57 (0.4-0.83) 0.43 (0.22-0.83)  *p-trend=0.013* | 0.55 (0.37-0.81) 0.4 (0.23-0.69)  *p-trend=0.001* |
|  | Hypertension (Sample Size = 4587) | | | |
| 24-h Rest-Activity Pattern Variables | Model 1  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 2  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 3  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 4  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* |
| Inter-daily Stability (IS60) < 0.58 0.58 - 0.72 > 0.72 | 1.16 (1.0-1.34) 1.19 (1.07-1.33)  *p-trend=0.002* | 0.92 (0.78-1.09) 0.93 (0.72-1.19)  *p-trend=0.565* | 0.94 (0.78-1.12) 1.01 (0.77-1.32)  *p-trend=0.942* | 0.92 (0.78-1.09) 0.94 (0.73-1.21)  *p-trend=0.613* |
| Intra-daily Variability (IV60) < 0.56 0.56 - 0.77 > 0.77 | 1.25 (1.01-1.54) 1.5 (1.19-1.89)  *p-trend<0.001* | 1.1 (0.87-1.39) 0.98 (0.69-1.4)  *p-trend=0.921* | 1.06 (0.84-1.33) 0.88 (0.62-1.26)  *p-trend=0.488* | 1.09 (0.85-1.38) 0.94 (0.66-1.35)  *p-trend=0.754* |
| M10 Midpoint < 12.82 12.82 - 15.15 > 15.15 | 1.02 (0.87-1.2) 0.55 (0.48-0.63)  *p-trend<0.001* | 1.07 (0.83-1.39) 0.97 (0.81-1.17)  *p-trend=0.782* | 1.11 (0.85-1.44) 0.97 (0.79-1.19)  *p-trend=0.774* | 1.08 (0.84-1.4) 0.96 (0.8-1.16)  *p-trend=0.699* |
| M10 Counts (x100) < 4.14 4.14 - 5.58 > 5.58 | 0.71 (0.6-0.84) 0.45 (0.4-0.51)  *p-trend<0.001* | 1.08 (0.88-1.32) 0.81 (0.66-0.98)  *p-trend=0.032* | 1.19 (0.94-1.5) 1.05 (0.86-1.29)  *p-trend=0.634* | 1.09 (0.89-1.35) 0.83 (0.69-1.0)  *p-trend=0.055* |
| L5 Midpoint < 2.6 2.6 - 3.97 > 3.97 | 0.83 (0.72-0.96) 0.85 (0.69-1.04)  *p-trend=0.117* | 0.88 (0.75-1.03) 1.16 (0.93-1.45)  *p-trend=0.189* | 0.88 (0.75-1.04) 1.09 (0.88-1.34)  *p-trend=0.447* | 0.89 (0.75-1.04) 1.14 (0.9-1.43)  *p-trend=0.280* |
| L5 Counts < 21.54 21.54 - 39.38 > 39.38 | 1.25 (1.05-1.49) 1.43 (1.17-1.74)  *p-trend<0.001* | 1.39 (1.04-1.84) 1.59 (1.13-2.24)  *p-trend=0.007* | 1.29 (0.96-1.73) 1.36 (0.94-1.96)  *p-trend=0.108* | 1.38 (1.03-1.85) 1.57 (1.1-2.24)  *p-trend=0.013* |
| Relative Amplitude < 0.84 0.84 - 0.92 > 0.92 | 0.8 (0.71-0.92) 0.5 (0.43-0.58)  *p-trend<0.001* | 0.87 (0.65-1.15) 0.61 (0.44-0.84)  *p-trend=0.002* | 1.01 (0.75-1.35) 0.77 (0.54-1.1)  *p-trend=0.149* | 0.88 (0.65-1.19) 0.62 (0.44-0.88)  *p-trend=0.007* |

**1. CI: confidence interval; L5: Least Active 5 hour period; M10: most active 10-hour period; OR: Odds Ratio.  
2. Model 1: Represents univariate associations.  
3. Model 2: Adjusted for age, sex, marital status, education, race/ethnicity, smoking, and alcohol use.  
4. Model 3: Adjusted for model 2 covariates and additionally for BMI.  
5. Model 4: Adjusted for model 2 covariates and additionally for self-reported sleep disorders.**

**Table 3. Logistic regression models for 24-h Rest-Activity Pattern Variables in Relation to Cardiometabolic Outcomes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Type 2 Diabetes (Sample Size = 4587) | | | |
| 24-h Rest-Activity Pattern Variables | Model 1  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 2  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 3  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 4  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* |
| Inter-daily Stability (IS60) < 0.58 0.58 - 0.72 > 0.72 | 1.18 (0.86-1.63) 0.78 (0.57-1.07)  *p-trend=0.125* | 0.83 (0.5-1.36) 0.59 (0.38-0.9)  *p-trend=0.015* | 0.82 (0.5-1.36) 0.59 (0.38-0.93)  *p-trend=0.022* |  |
| Intra-daily Variability (IV60) < 0.56 0.56 - 0.77 > 0.77 | 1.63 (1.29-2.06) 2.24 (1.61-3.11)  *p-trend<0.001* | 1.56 (0.89-2.73) 1.8 (0.88-3.69)  *p-trend=0.108* | 1.57 (0.87-2.84) 1.78 (0.87-3.64)  *p-trend=0.112* |  |
| M10 Midpoint < 12.82 12.82 - 15.15 > 15.15 | 0.9 (0.64-1.25) 0.65 (0.47-0.9)  *p-trend=0.009* | 0.75 (0.46-1.21) 1.07 (0.79-1.45)  *p-trend=0.661* | 0.75 (0.46-1.21) 1.06 (0.77-1.45)  *p-trend=0.731* |  |
| M10 Counts (x100) < 4.14 4.14 - 5.58 > 5.58 | 0.66 (0.44-0.97) 0.24 (0.18-0.32)  *p-trend<0.001* | 0.83 (0.46-1.5) 0.33 (0.21-0.51)  *p-trend<0.001* | 0.84 (0.46-1.56) 0.34 (0.21-0.55)  *p-trend<0.001* |  |
| L5 Midpoint < 2.6 2.6 - 3.97 > 3.97 | 1.0 (0.7-1.41) 1.43 (1.03-1.99)  *p-trend=0.033* | 0.92 (0.49-1.72) 1.52 (0.9-2.56)  *p-trend=0.118* | 0.9 (0.48-1.67) 1.41 (0.87-2.29)  *p-trend=0.166* |  |
| L5 Counts < 21.54 21.54 - 39.38 > 39.38 | 1.41 (0.93-2.15) 1.85 (1.16-2.95)  *p-trend=0.010* | 1.19 (0.77-1.85) 2.0 (1.11-3.57)  *p-trend=0.020* | 1.22 (0.77-1.95) 1.94 (1.07-3.51)  *p-trend=0.030* |  |
| Relative Amplitude < 0.84 0.84 - 0.92 > 0.92 | 0.62 (0.45-0.86) 0.26 (0.17-0.41)  *p-trend<0.001* | 0.53 (0.35-0.8) 0.26 (0.16-0.45)  *p-trend<0.001* | 0.55 (0.37-0.82) 0.27 (0.16-0.47)  *p-trend<0.001* |  |
|  | Central Adiposity (Sample Size = 4587) | | | |
| 24-h Rest-Activity Pattern Variables | Model 1  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 2  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 3  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 4  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* |
| Inter-daily Stability (IS60) < 0.58 0.58 - 0.72 > 0.72 | 1.2 (0.97-1.49) 1.17 (1.02-1.35)  *p-trend=0.027* | 1.0 (0.74-1.34) 0.92 (0.78-1.09)  *p-trend=0.348* | 1.01 (0.75-1.35) 0.94 (0.81-1.1)  *p-trend=0.473* |  |
| Intra-daily Variability (IV60) < 0.56 0.56 - 0.77 > 0.77 | 1.21 (0.97-1.5) 1.17 (0.99-1.37)  *p-trend=0.059* | 1.08 (0.81-1.44) 1.05 (0.87-1.27)  *p-trend=0.618* | 1.06 (0.79-1.42) 0.98 (0.8-1.18)  *p-trend=0.799* |  |
| M10 Midpoint < 12.82 12.82 - 15.15 > 15.15 | 1.0 (0.85-1.19) 0.8 (0.66-0.97)  *p-trend=0.024* | 1.08 (0.85-1.38) 1.02 (0.74-1.42)  *p-trend=0.890* | 1.1 (0.86-1.42) 1.0 (0.73-1.36)  *p-trend=0.988* |  |
| M10 Counts (x100) < 4.14 4.14 - 5.58 > 5.58 | 0.9 (0.78-1.04) 0.68 (0.59-0.78)  *p-trend<0.001* | 0.76 (0.59-0.97) 0.55 (0.44-0.68)  *p-trend<0.001* | 0.78 (0.61-1.0) 0.58 (0.47-0.72)  *p-trend<0.001* |  |
| L5 Midpoint < 2.6 2.6 - 3.97 > 3.97 | 0.94 (0.81-1.09) 0.91 (0.76-1.09)  *p-trend=0.306* | 0.88 (0.73-1.05) 1.18 (0.91-1.52)  *p-trend=0.210* | 0.88 (0.73-1.07) 1.12 (0.86-1.47)  *p-trend=0.395* |  |
| L5 Counts < 21.54 21.54 - 39.38 > 39.38 | 1.48 (1.29-1.71) 1.7 (1.38-2.08)  *p-trend<0.001* | 1.6 (1.33-1.93) 2.0 (1.55-2.58)  *p-trend<0.001* | 1.61 (1.31-1.97) 1.96 (1.53-2.5)  *p-trend<0.001* |  |
| Relative Amplitude < 0.84 0.84 - 0.92 > 0.92 | 0.95 (0.7-1.29) 0.56 (0.45-0.7)  *p-trend<0.001* | 0.91 (0.63-1.31) 0.47 (0.36-0.61)  *p-trend<0.001* | 0.94 (0.65-1.35) 0.49 (0.37-0.63)  *p-trend<0.001* |  |
|  | Obesity (Sample Size = 4587) | | | |
| 24-h Rest-Activity Pattern Variables | Model 1  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 2  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 3  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 4  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* |
| Inter-daily Stability (IS60) < 0.58 0.58 - 0.72 > 0.72 | 0.95 (0.83-1.09) 0.85 (0.73-0.98)  *p-trend=0.026* | 0.93 (0.73-1.17) 0.77 (0.67-0.88)  *p-trend<0.001* | 0.93 (0.76-1.14) 0.79 (0.69-0.9)  *p-trend<0.001* |  |
| Intra-daily Variability (IV60) < 0.56 0.56 - 0.77 > 0.77 | 0.95 (0.79-1.15) 1.16 (0.99-1.36)  *p-trend=0.063* | 0.94 (0.75-1.17) 1.24 (1.05-1.47)  *p-trend=0.014* | 0.9 (0.72-1.13) 1.12 (0.93-1.34)  *p-trend=0.234* |  |
| M10 Midpoint < 12.82 12.82 - 15.15 > 15.15 | 0.81 (0.67-0.99) 0.87 (0.73-1.05)  *p-trend=0.151* | 0.9 (0.69-1.17) 1.08 (0.82-1.42)  *p-trend=0.579* | 0.92 (0.7-1.21) 1.05 (0.81-1.35)  *p-trend=0.737* |  |
| M10 Counts (x100) < 4.14 4.14 - 5.58 > 5.58 | 0.89 (0.78-1.02) 0.54 (0.47-0.63)  *p-trend<0.001* | 0.8 (0.65-0.99) 0.42 (0.34-0.52)  *p-trend<0.001* | 0.84 (0.67-1.05) 0.46 (0.36-0.58)  *p-trend<0.001* |  |
| L5 Midpoint < 2.6 2.6 - 3.97 > 3.97 | 1.04 (0.88-1.24) 1.12 (0.97-1.29)  *p-trend=0.135* | 1.07 (0.87-1.31) 1.36 (1.11-1.66)  *p-trend=0.003* | 1.08 (0.87-1.33) 1.28 (1.02-1.6)  *p-trend=0.032* |  |
| L5 Counts < 21.54 21.54 - 39.38 > 39.38 | 1.33 (1.09-1.62) 1.64 (1.44-1.86)  *p-trend<0.001* | 1.37 (1.12-1.67) 1.72 (1.35-2.18)  *p-trend<0.001* | 1.39 (1.14-1.68) 1.67 (1.33-2.08)  *p-trend<0.001* |  |
| Relative Amplitude < 0.84 0.84 - 0.92 > 0.92 | 0.74 (0.61-0.91) 0.51 (0.42-0.62)  *p-trend<0.001* | 0.71 (0.55-0.92) 0.45 (0.34-0.6)  *p-trend<0.001* | 0.74 (0.57-0.94) 0.47 (0.35-0.63)  *p-trend<0.001* |  |

**Table 4. Logistic regression models for 24-h Rest-Activity Pattern Variables in Relation to**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Hypertension old definition (Sample Size = 4587) | | | |
| 24-h Rest-Activity Pattern Variables | Model 1  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 2  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 3  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* | Model 4  Tertile1 OR (95% C.I.)  Tertile2 OR (95% C.I.)  Tertile3 OR (95% C.I.)  *p-trend* |
| Inter-daily Stability (IS60) < 0.58 0.58 - 0.72 > 0.72 | 1.32 (1.12-1.55) 1.22 (1.08-1.38)  *p-trend=0.001* | 1.12 (0.9-1.41) 0.94 (0.71-1.24)  *p-trend=0.648* | 1.16 (0.92-1.47) 1.03 (0.77-1.39)  *p-trend=0.828* | 1.13 (0.89-1.42) 0.95 (0.71-1.26)  *p-trend=0.697* |
| Intra-daily Variability (IV60) < 0.56 0.56 - 0.77 > 0.77 | 1.2 (0.96-1.51) 1.64 (1.23-2.18)  *p-trend<0.001* | 0.95 (0.71-1.29) 0.98 (0.63-1.52)  *p-trend=0.925* | 0.89 (0.66-1.21) 0.85 (0.54-1.33)  *p-trend=0.473* | 0.94 (0.69-1.28) 0.94 (0.61-1.45)  *p-trend=0.775* |
| M10 Midpoint < 12.82 12.82 - 15.15 > 15.15 | 0.96 (0.78-1.19) 0.45 (0.39-0.51)  *p-trend<0.001* | 1.02 (0.75-1.38) 0.77 (0.61-0.97)  *p-trend=0.026* | 1.04 (0.76-1.43) 0.74 (0.57-0.97)  *p-trend=0.026* | 1.03 (0.76-1.4) 0.76 (0.6-0.96)  *p-trend=0.023* |
| M10 Counts (x100) < 4.14 4.14 - 5.58 > 5.58 | 0.73 (0.58-0.92) 0.4 (0.35-0.47)  *p-trend<0.001* | 1.2 (0.89-1.61) 0.86 (0.69-1.07)  *p-trend=0.182* | 1.36 (0.98-1.87) 1.17 (0.9-1.51)  *p-trend=0.246* | 1.22 (0.9-1.65) 0.9 (0.73-1.11)  *p-trend=0.317* |
| L5 Midpoint < 2.6 2.6 - 3.97 > 3.97 | 0.86 (0.73-1.01) 0.83 (0.68-1.02)  *p-trend=0.071* | 0.92 (0.73-1.17) 1.09 (0.8-1.48)  *p-trend=0.591* | 0.92 (0.72-1.16) 1.0 (0.74-1.35)  *p-trend=0.987* | 0.93 (0.72-1.19) 1.06 (0.77-1.47)  *p-trend=0.713* |
| L5 Counts < 21.54 21.54 - 39.38 > 39.38 | 1.28 (1.1-1.49) 1.42 (1.19-1.69)  *p-trend<0.001* | 1.51 (1.16-1.96) 1.58 (1.21-2.05)  *p-trend<0.001* | 1.41 (1.08-1.84) 1.32 (0.99-1.77)  *p-trend=0.056* | 1.51 (1.16-1.98) 1.55 (1.17-2.06)  *p-trend=0.002* |
| Relative Amplitude < 0.84 0.84 - 0.92 > 0.92 | 0.83 (0.74-0.94) 0.46 (0.41-0.51)  *p-trend<0.001* | 0.97 (0.8-1.18) 0.61 (0.47-0.79)  *p-trend<0.001* | 1.14 (0.93-1.4) 0.79 (0.6-1.03)  *p-trend=0.080* | 0.99 (0.8-1.21) 0.63 (0.47-0.83)  *p-trend<0.001* |