**Supplementary File** **3. Nonparametric correlations of parameters correlated with CTSL levels and diabetes in non-COVID-19 individuals**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | CTSL activity | CTSL conc | HbA1c | BMI | Systolic pressure | Diastolic pressure | Waist | Hip | WHR | LDL | Serum CREA | Age | Gender | Diabetes | HBP | CHD |
| CTSL activity | 1.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CTSLconc | **0.248****(0.006)** | 1.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HbA1c | **0.565****(0.000)** | **0.263****(0.003)** | 1.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BMI | 0.162(0.084) | 0(0.997) | 0.134(0.152) | 1.00 |  |  |  |  |  |  |  |  |  |  |  |  |
| Systolic pressure | **0.314****(0.001)** | **0.415****(0.000)** | **0.294****(0.002)** | 0.182(0.056) | 1.00 |  |  |  |  |  |  |  |  |  |  |  |
| Diastolicpressure | **-0.235****(0.012)** | 0.048(0.613) | -0.124(0.190) | **0.232****(0.014)** | **0.213****(0.023)** | 1.00 |  |  |  |  |  |  |  |  |  |  |
| Waist | 0.045(0.634) | 0.075(0.421) | 0.139(0.138) | **0.728****(0.000)** | **0.204****(0.031)** | **0.191****(0.044)** | 1.00 |  |  |  |  |  |  |  |  |  |
| Hip | **-0.246****(0.008)** | -0.023(0.809) | -0.038(0.688) | **0.572****(0.000)** | 0.120(0.208) | **0.284****(0.002)** | **0.678****(0.000)** | 1.00 |  |  |  |  |  |  |  |  |
| WHR | **0.385****(0.000)** | 0.115(0.222) | **0.241****(0.009)** | **0.331****(0.000)** | **0.198****(0.037)** | -0.031(0.744) | **0.525****(0.000)** | -0.157(0.093) | 1.00 |  |  |  |  |  |  |  |
| LDL | **-0.264****(0.003)** | 0.066(0.468) | -0.058(0.526) | -0.011(0.903) | -0.090(0.339) | **0.202****(0.031)** | 0.007(0.941) | 0.089(0.342) | -0.098(0.295) | 1.00 |  |  |  |  |  |  |
| Serum CREA | -0.096(0.291) | **0.189****(0.037)** | -0.102(0.262) | 0.041(0.664) | 0.071(0.450) | 0.103(0.277) | 0.177(0.058) | 0.131(0.163) | 0.070(0.458) | -0.066(0.467) | 1.00 |  |  |  |  |  |
| Age | **0.205****(0.023)** | **0.261****(0.004)** | **0.233****(0.010)** | 0.028(0.762) | **0.211****(0.024)** | -0.065(0.492) | 0.085(0.362) | 0.045(0.631) | 0.122(0.196) | 0.065(0.479) | -0.046(0.618) | 1.00 |  |  |  |  |
| Gender | 0.061(0.504) | **0.322****(0.000)** | 0.023(0.801) | -0.028(0.768) | 0.086(0.365) | 0.077(0.416) | 0.148(0.112) | 0.081(0.392) | 0.094(0.317) | -0.142(0.118) | **0.528****(0.000)** | **0.217****(0.016)** | 1.00 |  |  |  |
| Diabetes | **0.866****(0.000)** | **0.239****(0.008)** | **0.669****(0.000)** | 0.088(0.350) | **0.348****(0.000)** | **-0.221****(0.018)** | -0.003(0.978) | **-0.309****(0.001)** | **0.389****(0.000)** | **-0.270****(0.003)** | -0.046(0.618) | **0.254****(0.005)** | 0.066(0.472) | 1.00 |  |  |
| HBP | **0.676****(0.000)** | **0.188****(0.038)** | **0.593****(0.000)** | 0.174(0.063) | **0.397****(0.000)** | -0.131(0.164) | 0.077(0.414) | -0.167(0.075) | **0.303****(0.001)** | **-0.214****(0.018)** | -0.087(0.342) | **0.233****(0.010)** | -0.057(0.532) | **0.829****(0.000)** | 1.00 |  |
| CHD | **0.445****(0.000)** | **0.179****(0.049)** | **0.350****(0.000)** | **0.265****(0.004)** | **0.265****(0.004)** | -0.037(0.699) | **0.200****(0.031)** | -0.040(0.672) | **0.383****(0.000)** | -0.164(0.071) | 0.090(0.324) | **0.214****(0.018)** | 0.046(0.615) | **0.533****(0.000)** | **0.579****(0.000)** | 1.00 |

Data are correlation coefficient (*P* value). Spearman's rho test (two-tailed).