**S1 Table. Pearson Correlation tests between Vitamin D, TGFβ1, BMP-7, and BMP-10 with Age, gender, physical activity, BMI, hemoglobin, and black tea**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variables | Age | Gender | Physical activity | BMI | Hemoglobin | Black Tea |
| Vitamin D | p<0.01\* | p=0.01\* | p=0.005\* | p=0.89 | p=0.59 | p=0.25 |
| TGFβ1 | p=0.27 | p=0.85 | p=0.23 | p=0.74 | p=0.008\* | p=0.48 |
| BMP-2 | p=0.59 | p=0.81 | p=0.36 | p= 0.69 | p= 0.0.62 | p= 0.57 |
| BMP-7 | p=0.94 | p=0.62 | p=0.1 | p=0.9 | p=0.29 | p=0.3 |
| BMP-10 | p=0.3 | p=0.2 | p=0.1 | p=0.7 | p=0.19 | p=0.81 |

\* p value <0.05 indicates significant correlation

BMP: bone morphogenetic protein, BMI: body mass index, TGF: transforming growth factor