Supplement 2. OTUs identified as being significantly associated with either BMI, body fat or waist-hip ratio.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **BMI** | **Body Fat** | **Waist-hip ratio** |
| **OTUs** | **p-value** | **beta** | **R2** | **p-value** | **beta** | **R2** | **p-value** | **beta** | **R2** |
| **Otu00074** | - | - | - | - | - | - | 0.00981 | -8.07 | 0.95820 |
| **Otu00091** | - | - | - | - | - | - | 0.00003 | -8.99 | 0.97484 |
| **Otu00134** | - | - | - | - | - | - | 0.00103 | -26.08 | 0.97703 |
| **Otu00195** | - | - | - | 0.00300 | -2773.95 | 0.00048 | - | - | - |
| **Otu00204** | 0.00733 | -3430.42 | 0.00455 | - | - | - | 0.00442 | -38.15 | 0.96500 |
| **Otu00220** | 0.00019 | -5006.56 | 0.00812 | 0.00147 | -8519.57 | 0.00145 | - | - | - |
| **Otu00243** | 0.01824 | -3271.10 | 0.00323 | - | - | - | - | - | - |
| **Otu00251** | - | - | - | - | - | - | 0.00036 | -48.05 | 0.97008 |
| **Otu00325** | 0.04296 | -3778.23 | 0.00155 | - | - | - | - | - | - |
| **Otu00344** | 0.00268 | -4511.95 | 0.00179 | 0.01779 | -7226.78 | 0.00030 | 0.04420 | -72.97 | 0.96493 |
| **Otu00405** | 0.03969 | -8080.23 | 0.00192 | - | - | - | - | - | - |
| **Otu00443** | 0.01080 | -7980.62 | 0.00200 | - | - | - | - | - | - |
| **Otu00462** | 0.00954 | -16968.44 | 0.00415 | - | - | - | - | - | - |
| **Otu00500** | 0.00016 | -22438.29 | 0.00717 | 0.00010 | -39185.82 | 0.00140 | 0.01130 | -241.20 | 0.97412 |