|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| OTU | Test-Statistic | P | normal\_weight\_mean | obesity\_mean |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Erysipelotrichia | 15.5486391 | 8.04E-05 | 0.000755201 | 0.001506545 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria | 11.70448326 | 0.000623497 | 0.164132749 | 0.108902758 |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_Bacteroidia | 8.242474001 | 0.004092132 | 0.139670933 | 0.196114587 |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_Flavobacteriia | 7.529531771 | 0.006069568 | 0.012748904 | 0.008017513 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Mollicutes | 4.641428703 | 0.03120901 | 0.000126696 | 0.000143447 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Clostridia | 4.389162562 | 0.036168074 | 0.024728377 | 0.027698937 |
| k\_\_Bacteria;p\_\_Gracilibacteria\_GN02;c\_\_GN02\_C-2 | 2.806556057 | 0.093879719 | 0.001390592 | 0.000431518 |
| k\_\_Bacteria;p\_\_Fusobacteria;c\_\_Fusobacteriia | 2.655172414 | 0.103213565 | 0.033749585 | 0.024704643 |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_Bacteroidetes\_C-1 | 1.602412008 | 0.205561729 | 0.000713043 | 9.79E-05 |
| k\_\_Bacteria;p\_\_SR1;c\_\_SR1\_C-1 | 1.438061789 | 0.230453243 | 0.003233288 | 0.00781292 |
| k\_\_Bacteria;p\_\_Saccharibacteria\_TM7;c\_\_TM7\_C-1 | 1.134547445 | 0.286807435 | 0.006564494 | 0.00607076 |
| k\_\_Bacteria;p\_\_Synergistetes;c\_\_Synergistia | 0.886566202 | 0.346409534 | 0.000180258 | 0.000153232 |
| k\_\_Bacteria;p\_\_Spirochaetes;c\_\_Spirochaetia | 0.854338822 | 0.355327797 | 0.001416435 | 0.000897701 |
| k\_\_Bacteria;p\_\_Gracilibacteria\_GN02;c\_\_GN02\_C-1 | 0.775048563 | 0.378659756 | 0.000205497 | 0.000167368 |
| k\_\_Bacteria;p\_\_Actinobacteria;c\_\_Actinobacteria | 0.507588197 | 0.476184775 | 0.054098972 | 0.04719977 |
| k\_\_Bacteria;p\_\_Actinobacteria;c\_\_Coriobacteriia | 0.41205155 | 0.520930052 | 0.004381885 | 0.003134205 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Negativicutes | 0.295019157 | 0.587021944 | 0.038145215 | 0.039725049 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Betaproteobacteria | 0.250833458 | 0.616488825 | 0.184312476 | 0.206737089 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Bacilli | 0.047818082 | 0.826904424 | 0.326204366 | 0.317124645 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Epsilonproteobacteria | 0.014380256 | 0.90454834 | 0.003241035 | 0.003359432 |