**Supplementary Table 5**. P values for fitted multiple linear regression model for genera associated with hepatic stiffness in the CLD subjects, after correction for multiple comparisons.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Taxa** | **LSM.p** | **LSM.p.fdr** | **(Intercept).c** | **LSM.c** |
| Rothia | 0.031 | 0.53611 | 7.845 | -0.062 |
| Leptotrichia | 0.066 | 0.53611 | 0.451 | 0.074 |
| Parabacteroides | 0.108 | 0.53611 | 0.24 | -0.007 |
| f\_Lachnospiraceae | 0.108 | 0.53611 | 0.577 | -0.015 |
| Granulicatella | 0.119 | 0.53611 | 4.938 | 0.055 |
| Actinobacillus | 0.134 | 0.53611 | 1.09 | 0.072 |
| Fusobacterium | 0.152 | 0.53611 | 2.235 | 0.052 |
| f\_Erysipelotrichaceae | 0.181 | 0.53611 | 0.178 | -0.005 |
| Haemophilus | 0.193 | 0.53611 | 10.196 | 0.198 |
| Actinomyces | 0.259 | 0.63036 | 29.584 | -0.138 |
| Neisseria | 0.295 | 0.63036 | 9.016 | 0.187 |
| Kingella | 0.328 | 0.63036 | 2.474 | 0.038 |
| Ruminococcus | 0.337 | 0.63036 | 0.277 | -0.008 |
| Collinsella | 0.353 | 0.63036 | 0.235 | 0.024 |
| Megasphaera | 0.399 | 0.63281 | 4.867 | -0.03 |
| Gemella | 0.405 | 0.63281 | 7.287 | 0.055 |
| Lactobacillus | 0.449 | 0.66029 | 1.093 | -0.028 |
| Bacteroides | 0.521 | 0.72361 | 4.825 | -0.064 |
| Prevotella | 0.588 | 0.77368 | 50.332 | 0.138 |
| f\_Enterobacteriaceae | 0.676 | 0.845 | 0.231 | 0.008 |
| Atopobium | 0.767 | 0.9131 | 3.565 | 0.013 |
| Moryella | 0.822 | 0.93125 | 2.853 | 0.008 |
| Porphyromonas | 0.879 | 0.93125 | 5.62 | -0.012 |
| Streptococcus | 0.894 | 0.93125 | 160.056 | 0.046 |
| Veillonella | 0.937 | 0.937 | 43.706 | -0.01 |

Significance defined as p<0.05 and fdr<0.1.

Abbreviations: LSM, liver stiffness measurement; fdr, false discovery rate; f, family