**Supplementary Table 6. Differences of the gut microbia in hyperlipidemic human subjects**

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| **Variable** | **FL1 (*n* = 10)** | **FL2 (*n* = 10)** | ***p*** |
| *Cyanobacteria*a | 0 (0, 0) | 0 (0, 0) | 0.55 |
| *Anaerostipes*a | 0.27 (0.11, 0.37) | 0.11 (0.04, 0.16) | 0.48 |
| *Bilophila*a | 0.03 (0.02, 0.12) | 0.06 (0.01, 0.26) | 0.57 |
| *Butyricicoccus*a | 0.13 (0.04, 0.21) | 0.17 (0.08, 0.25) | 0.39 |
| *Christensenella*a | 0 (0, 0) | 0 (0, 0) | 0.48 |
| *Cloacibacillus*a | 0 (0, 0) | 0 (0, 0) | 0.8 |
| *Enterococcus* | 0 (0, 0) | 0 (0, 0) | 0.73 |
| *Faecalibacterium*a | 4.8 (0.14, 7.68) | 4.01 (0.98, 5.87) | 0.97 |
| *Faecalicoccus*a | 0 (0, 0.01) | 0.01 (0, 0.02) | 0.73 |
| *Fusicatenibacter*a | 0.09 (0.03, 0.29) | 0.31 (0.12, 0.84) | 0.17 |
| *Lachnoanaerobaculum*a | 0 (0, 0) | 0 (0, 0) | 0.08 |
| *Lachnospira*a | 0 (0, 0.06) | 0 (0, 0.01) | 0.85 |
| *Lachnospiracea\_incertae\_sedis*a | 2.41 (0.96, 5.32) | 0.99 (0.55, 7.68) | 0.8 |
| *Mogibacterium*a | 0 (0, 0) | 0 (0, 0) | 0.4 |
| *Roseburia*a | 0.23 (0.16, 2.57) | 1.23 (0.5, 4.77) | 0.48 |
| *Ruminococcus* 2a | 0.55 ± 0.51 | 1.28 ± 0.81 | 0.03 |
| *Solobacterium*a | 0 (0, 0) | 0 (0, 0) | 0.58 |
| *Victivallis*a | 0 (0, 0) | 0 (0, 0) | 1 |

aData are presented as median (first quartile, third quantile); bNormally distributed numerical variables are presented as mean ± standard deviation. FL1, mild fatty liver; FL2, moderately severe fatty liver.