Figure 3. Tissue Microbiome Abundances

```
y w u1 x_orig y_orig order1 order2
                                                      у1
                                                                   y2
## 1
     001 001 5 93
                      L1
                             T1
                                            1 1.00000000 9.526882e-01
                                     1
     001 002
                                            2 0.95268817 9.432258e-01
## 3
    001 003
              3 87
                      L1
                             Т3
                                     3
                                            4 0.94322581 9.148387e-01
     002 002 11 84
                      L2
                             T2
                                     4
                                            3 0.88483871 7.807527e-01
## 5
    002 003 14 73
                      L2
                             Т3
                                     5
                                            5 0.78075269 6.482796e-01
     003 003 14 59
                      L3
                             Т3
                                     6
                                            6 0.61827957 4.858065e-01
                                     7
## 7
     003 005 1 45
                      L3
                           T5
                                            8 0.48580645 4.763441e-01
## 8
     004 003 9 44
                      L4
                           Т3
                                     8
                                           10 0.44634409 3.611828e-01
## 9 004 004 28 35
                      L4
                             T4
                                    9
                                          9 0.36118280 9.623656e-02
## 10 005 003
                      L5
                             Т3
                                    10
                                         11 0.06623656 2.838710e-02
## 11 005 004
                      L5
                             T4
                                           7 0.02838710 1.892473e-02
              1
                 3
                                    11
## 12 005 005 2
                              T5
                       L5
                                    12
                                           12 0.01892473 -1.491862e-16
             уЗ
                           y4
## 1 1.00000000
                 9.526882e-01
## 2 0.92268817
                 9.132258e-01
## 3 0.77913978 7.507527e-01
## 4 0.91322581
                8.091398e-01
## 5 0.75075269
                 6.182796e-01
## 6 0.61827957
                 4.858065e-01
## 7 0.02838710
                1.892473e-02
## 8 0.48580645 4.006452e-01
## 9 0.33279570
                 6.784946e-02
## 10 0.40064516
                 3.627957e-01
## 11 0.06784946 5.838710e-02
## 12 0.01892473 -1.422473e-16
```

