Figure 3. Tissue Microbiome Abundances

```
y w u1 x_orig y_orig order1 order2
##
                                                                        y2
                                                         у1
      001 001
               5 93
                                        1
                                               1 1.00000000
                        L1
                               T1
                                                             9.526882e-01
## 2
      001 002
               1 88
                        L1
                               T2
                                        2
                                               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
                                               3 0.88483871
                                                             7.807527e-01
## 5
      002 003 14 73
                        L2
                               Т3
                                        5
                                               5 0.78075269
                                                             6.482796e-01
## 6
      003 003 14 59
                        L3
                               Т3
                                        6
                                               6 0.61827957
                                                             4.858065e-01
      003 005
                                        7
## 7
               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
                  7
                        L5
                               Т3
                                       10
                                              11 0.06623656
                                                             2.838710e-02
## 11 005 004
                  3
                        L5
                                T4
               1
                                       11
                                               7 0.02838710 1.892473e-02
## 12 005 005
                                T5
                                              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
     0.91322581
                  8.091398e-01
## 5
     0.75075269
                  6.182796e-01
## 6
    0.61827957
                  4.858065e-01
## 7
     0.02838710
                  1.892473e-02
                  4.006452e-01
## 8 0.48580645
## 9
     0.33279570
                  6.784946e-02
## 10 0.40064516
                  3.627957e-01
## 11 0.06784946 5.838710e-02
## 12 0.01892473 -1.422473e-16
```

