diets\_h\_pl\_8\_pre: rank matrix & stability

|   | diets_ii_pi_o_pi e. rank matrix & stability |          |                                 |
|---|---|----------|---------------------------------|
| p Bacteroidetes;*;g Bacteroides   | 1   | 1        | 1                               |
| p Firmicutes;*;g  | 3   | 3        | 3                               |
| p Proteobacteria;*;g Sutterella   | 3<br>5<br>6<br>4<br>2                       | 2        | 3<br>5<br>2<br>4<br>6<br>8<br>7 |
| pFirmicutes;*;gFaecalibacterium   | 6   | 5        | 2                               |
| p Firmicutes;*;g  | 4   | 4        | 4                               |
| p Bacteroidetes;*;g Prevotella  | 2   | 53       | 6                               |
| p Bacteroidetes;*;g Parabacteroides   | 7<br>13                                     | 6        | 8                               |
| pFirmicutes;*;gLachnospira  | 13  | 9        | 7                               |
| pFirmicutes;*;gBlautia  | 9   | 7        | 10<br>11                        |
| p Actinobacteria;*;g Bifidobacterium  | 8   | 8        | 11                              |
| p Firmicutes;*;Other  | 11  | 15       | 13                              |
| pFirmicutes;*;Other   | 12  | 13       | 12                              |
| p Firmicutes;*;g Phascolarctobacterium                                      | 36  | 17       | 9                               |
| p Firmicutes;*;g Coprococcus  | 16  | 11       | 9<br>15                         |
| p Proteobacteria;*;g Bilophila  | 22  | 10       | 16                              |
| p Firmicutes;*;g Oscillospira   | 20  | 14       | 14                              |
| p_Bacteroidetes;*;g_  | 15  | 12       | 18                              |
| p_Firmicutes;*;g_   | 18  | 16       | 17                              |
| n Firmicutes·*·a Dialister I  | 10  | 44       | 34                              |
| p_Firmicutes;*;g_Roseburia<br>p_Bacteroidetes;*;g_[Prevotella]              | 21  | 20       | 19                              |
| n Bacteroidetes:*:a [Prevotella]  | 19  | 57       | 23                              |
| p Bacteroidetes;*;g   | 14  | 40       | 57                              |
| Other;*;Other   | 25  | 18       | 21                              |
| p Verrucomicrobia;*;g Akkermansia   | 17  | 80       | 80                              |
| p Firmicutes;*;g Ruminococcus   | 24  | 28       | 22                              |
| p Proteobacteria;*;g  | 42  | 46       | 20                              |
| p Firmicutes;*;g Dorea  | 29  | 19       | 24                              |
| p Proteobacteria;*;g Haemophilus  | 23  | 25       | 42                              |
| pFirmicutes;*;g   | 27  | 24       | 25                              |
| p Bacteroidetes;*;Other   | 26  | 50       | 25<br>28<br>26                  |
| p Firmicutes;*;g Clostridium  | 30  | 22       | 26                              |
| p Firmicutes;*;g Lachnobacterium  | 31  | 34       | 20                              |
| pFirmicutes; *;gStreptococcus   | 35  | 21       | 27<br>33                        |
| p_firmicutes, ,g_streptococcus  | 28  | 69       | 33<br>41                        |
| <pre>p_Firmicutes;*;g_Catenibacterium p Firmicutes;*;g [Ruminococcus]</pre> | 33  | 23       | 41<br>37                        |
| p Actinobacteria;*;g Collinsella  | 38  | 27       | 31                              |
| pActinobacteria, , , gcollinsella<br>pFirmicutes;*;gMegasphaera             | 40  | 65       | 35                              |
| pFirmicutes;*;gMegasphaera<br>pFirmicutes;*;gMitsuokella                    | 37  | 66       | 38                              |
| p Firmicutes;*;g Veillonella  | 34  | 35       | 71                              |
| prifflicates,*,gvelilofielia<br>pBacteroidetes;*;g                          | 51  | 51       | 29                              |
| p Bacteroidetes;*;g Odoribacter   | 32  | 54       | 66                              |
|   | 44  | 32       | 40                              |
| p_Firmicutes;*;g_   | 44 43                                       | 32<br>29 | 50                              |
| pFirmicutes;*;gAnaerostipes   |   | 29<br>55 | 43                              |
| p_Bacteroidetes;*;g_  | 39  | 55<br>59 |                                 |
| p_Firmicutes;*;g_Enterococcus   | 70  |          | 30                              |
| p_Bacteroidetes;*;g_  | 55  | 30       | 36                              |
| p_Firmicutes;*;g_[Eubacterium]  | 41  | 70<br>45 | 61<br>32                        |
| p_Proteobacteria;*;Other  | 64  | 45<br>56 |                                 |
| p_Bacteroidetes;*;g_Paraprevotella  | 45<br>46                                    |          | 44                              |
| pFirmicutes;*;Other   | 46  | 33       | 68                              |
|   | ~   | Δ.       |                                 |

Rank Stability Index (in %