| pBacteroidetes;*;gBacteroides            | 1  | 1   | 1     | 1                                      | 1    | 1   |
|--|----|-----|-------|--|------|-----|
| pFirmicutes;*;g                          | 2  | 2   | 3     | 3                                      | 7    | 2   |
| pFirmicutes;*;g                          | 4  | 3   | 2     | 5                                      | 5    | 6   |
| pFirmicutes;*;Other                      | 10 | 6   | 5     | 6                                      | 2    | 13  |
| Other;*;Other                            | 3  | 5   | 8     | 7                                      | 11   | 4   |
| pFirmicutes;*;g                          | 5  | 4   | 7     | 8                                      | 9    | 5   |
| pFirmicutes;*;gRoseburia                 | 12 | 9   | 4     | 13                                     | 4    | 15  |
| pFirmicutes;*;gBlautia                   | 16 | 13  | 6     | 14                                     | 3    | 18  |
| pFirmicutes;*;gLachnospira               | 8  | 12  | 13    | 2                                      | 10   | 17  |
| pVerrucomicrobia;*;gAkkermansia          | 21 | 15  | 21    | 4                                      | 6    | 3   |
| pFirmicutes;*;Other                      | 6  | 7   | 10    | 10                                     | 12   | 10  |
| pFirmicutes;*;gPhascolarctobacterium     | 7  | 10  | 16    | 11                                     | 13   | 7   |
| pFirmicutes;*;gOscillospira              | 11 | 11  | 15    | 12                                     | 17   | 8   |
| pFirmicutes;*;gAnaerostipes              | 26 | 18  | 17    | 9                                      | 8    | 16  |
| pFirmicutes;*;gRuminococcus              | 15 | 14  | 9     | 16                                     | 15   | 14  |
| pFirmicutes;*;gFaecalibacterium          | 14 | 8   | 14    | 15                                     | 20   | 20  |
| pFirmicutes;*;gCoprococcus               | 17 | 16  | 11    | 19                                     | 16   | 21  |
| pBacteroidetes;*;g                       | 9  | 19  | 25    | 25                                     | 21   | 9   |
| pFirmicutes;*;gDorea                     | 27 | 20  | 12    | 18                                     | 14   | 25  |
| pProteobacteria;*;gSutterella            | 13 | 22  | 26    | 21                                     | 19   | 11  |
| pBacteroidetes;*;g                       | 25 | 28  | 22    | 20                                     | 18   | 12  |
| pFirmicutes;*;Other                      | 18 | 17  | 20    | 17                                     | 24   | 19  |
| <pre>pFirmicutes;*;g[Ruminococcus]</pre> | 20 | 21  | 18    | 27                                     | 23   | 24  |
| pFirmicutes;*;gStreptococcus             | 24 | 24  | 19    | 22                                     | 22   | 27  |
| pBacteroidetes;*;Other                   | 23 | 23  | 23    | 23                                     | 25   | 22  |
| pBacteroidetes;*;g                       | 19 | 26  | 28    | 28                                     | 28   | 23  |
| pBacteroidetes;*;gButyricimonas          | 22 | 27  | 27    | 26                                     | 27   | 28  |
| pFirmicutes;*;gClostridium               | 28 | 25  | 24    | 24                                     | 26   | 26  |
| •  | Ž  | 674 | £16.6 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 67,8 | 679 |

20.6 35.2 31.3 78.3 49.1 50.8 42.5 62.4 49.1 33.9 28.9 39.5 54.5

86.0

73.5

50.8