LEA madre b: rank matrix & stability \* Ruminococcus \_\*\_Bacteroides \_\*\_Ruminococcaceae;Other \_\*\_Blautja 5 12 9 8 16 17 11 10 13 14 15 23 39 30 29 26 24 68112910322851114617034455244533333333334445447 \*\_Coprococcus \_\*\_Lachnospiraceae;Other \_\*\_Parabacteroides \_\*\_Eollinsella \_\*\_Erysipelotrichaceae;Other \_\*\_Faecalibacterium \_\*\_Turicibacter \_\*\_Streptococcus \_\_\*\_Lachnospira \* 11 15 14 12 18 10 13 21 36 28 30 \* Odoribacter \* Clostridiales; Other; Other \_\*\_[Eubacterium] \_\*\_Slackia \_\*\_Clostridium 20 17 \* Lactobacillus 22 35 27 20 \_\*\_Phascolarctobacterium \_\*\_Clostridiaceae;Other 31 16 27 \* Dorea 25 \* StaphyTococcus 34 33 21 34 48 28 32 31 37 42 36 \_\*\_Anaerostipes \_\*\_Desulfovibrio 56 33 \*\_Coprobacillus \*\_Sutterella \*\_Bifidobacterium 26 44 29 \* Oscillospira 38 \* Adlercreutzia 45 48 58 40 46 44 41 38 40 \* Christensenella 35 43 37 \*\_Actinomyces \_\*\_Holdemania \* Brevibacillus \*\_Dehalobacterium \_\*\_Eggerthella \_\*\_Enterobacter \_\*\_Dialister 42 46 32 56 68 55 43 madre.b.t.

## Rank Stability Index (in %)