

Table S2.

| Subset | Phylum | Genus |
|----------------|-----------------------|-----------------------------------------------------------|
| All, Mada, CAR | <i>Firmicutes</i> | <i>Streptococcus</i> |
| All, Mada | <i>Firmicutes</i> | <i>Dialister</i> |
| All, CAR | <i>Bacteroidetes</i> | <i>Parabacteroides</i> |
| All, CAR | <i>Bacteroidetes</i> | <i>Bacteroides</i> |
| All, Mada, CAR | <i>Proteobacteria</i> | <i>Pseudomonas</i> |
| All, Mada | <i>Proteobacteria</i> | <i>Stenotrophomonas</i> |
| All, Mada, CAR | <i>Proteobacteria</i> | <i>Brevundimonas</i> |
| All, Mada | <i>Proteobacteria</i> | <i>Pelagibacterium</i> |
| All | <i>Proteobacteria</i> | <i>Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium</i> |
| All, Mada | <i>Firmicutes</i> | <i>Roseburia</i> |
| All, Mada | <i>Firmicutes</i> | <i>Agathobacter</i> |
| All, Mada, CAR | <i>Firmicutes</i> | <i>Butyricoccus</i> |
| All, Mada, CAR | <i>Firmicutes</i> | <i>Faecalibacterium</i> |
| All, Mada | <i>Firmicutes</i> | <i>Blautia</i> |
| All, Mada, CAR | <i>Firmicutes</i> | <i>Lachnospiraceae</i> uncultured |
| All, Mada | <i>Bacteroidetes</i> | <i>Prevotella</i> 9 |
| Mada | <i>Firmicutes</i> | <i>Christensenellaceae</i> R-7 group |
| CAR | <i>Firmicutes</i> | <i>Ruminococcus</i> 1 |