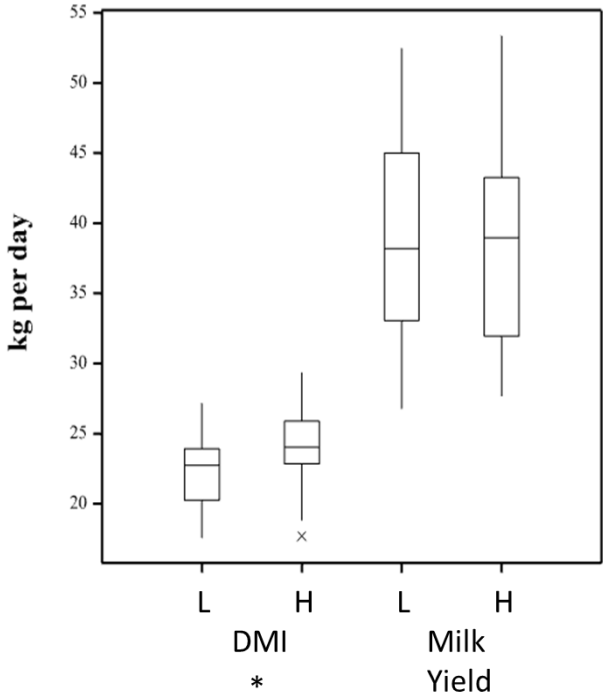
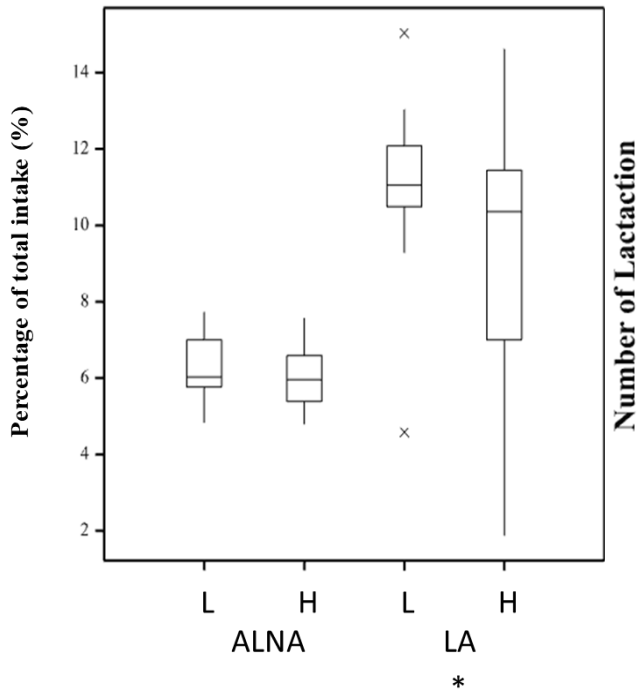


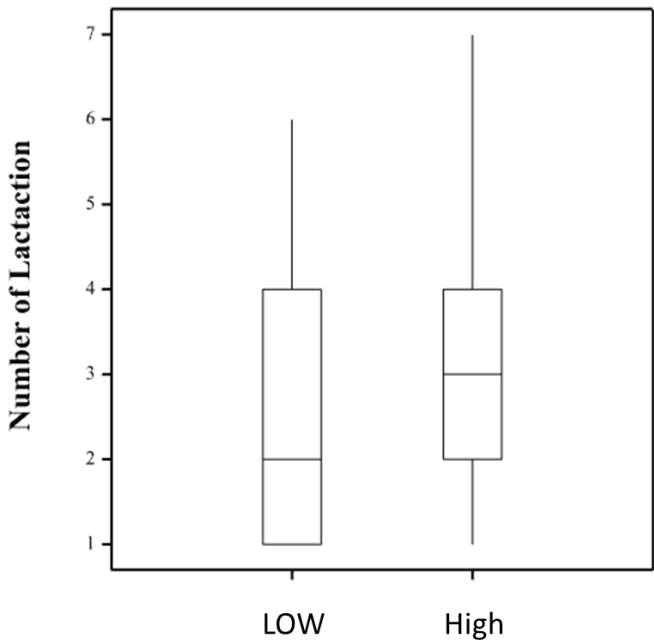
S1A.



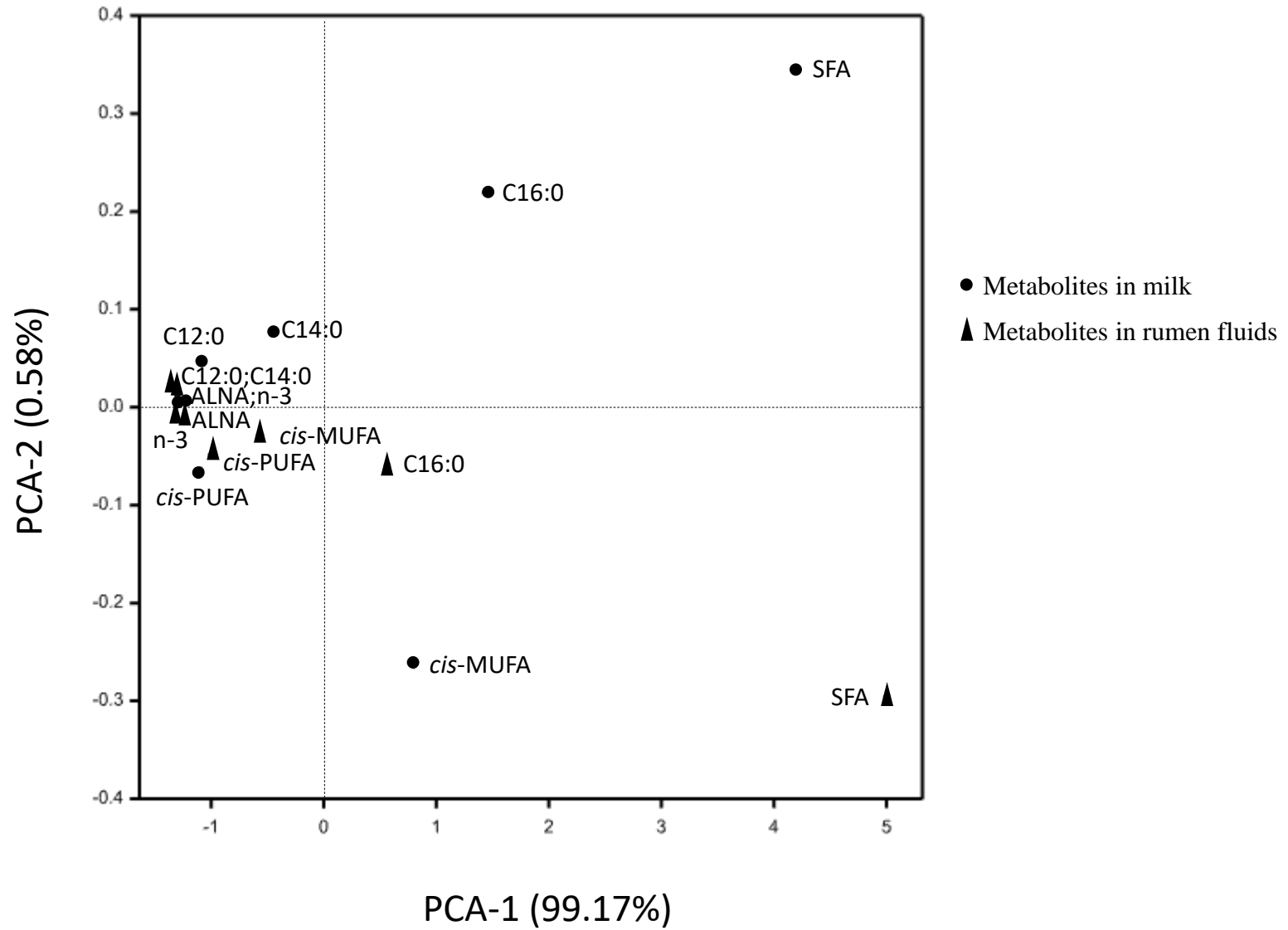
S1B.



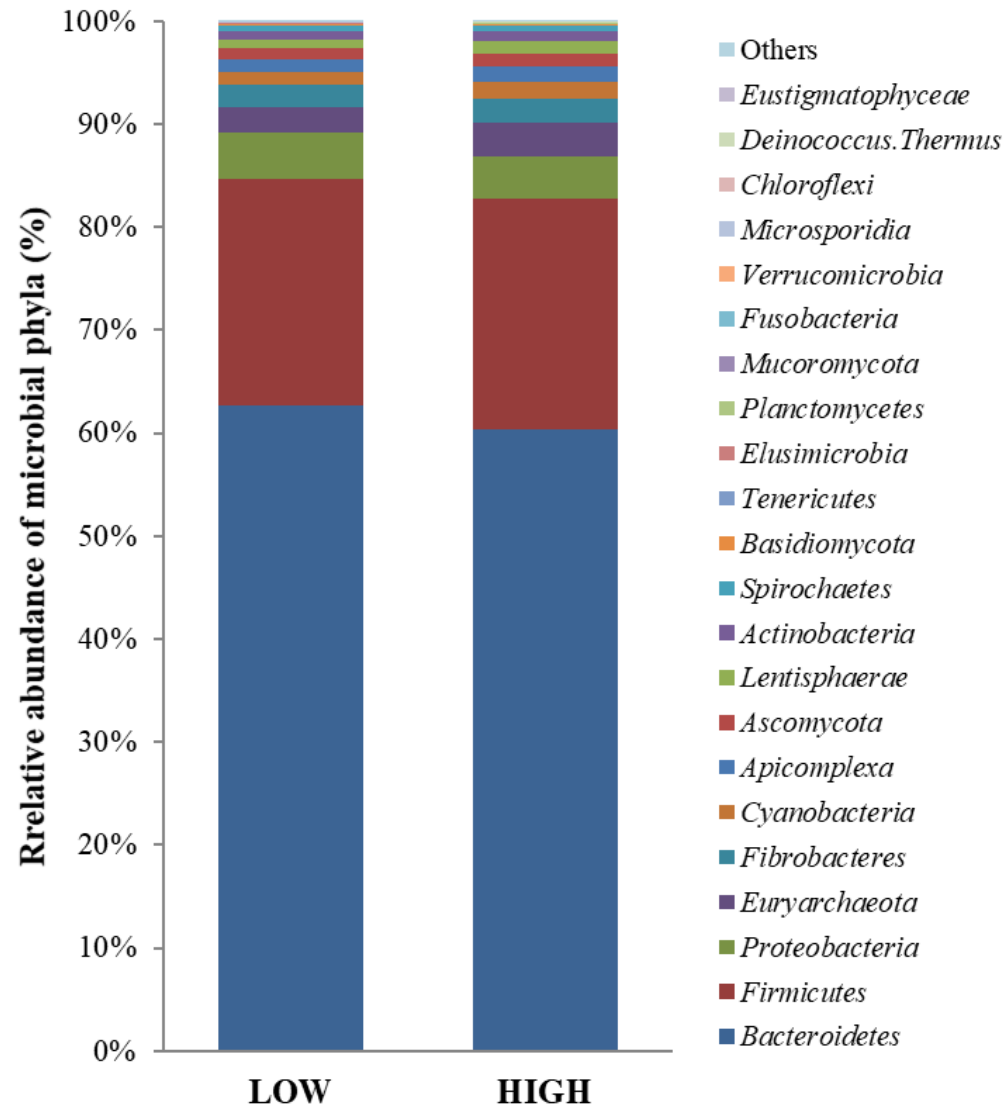
S1C.



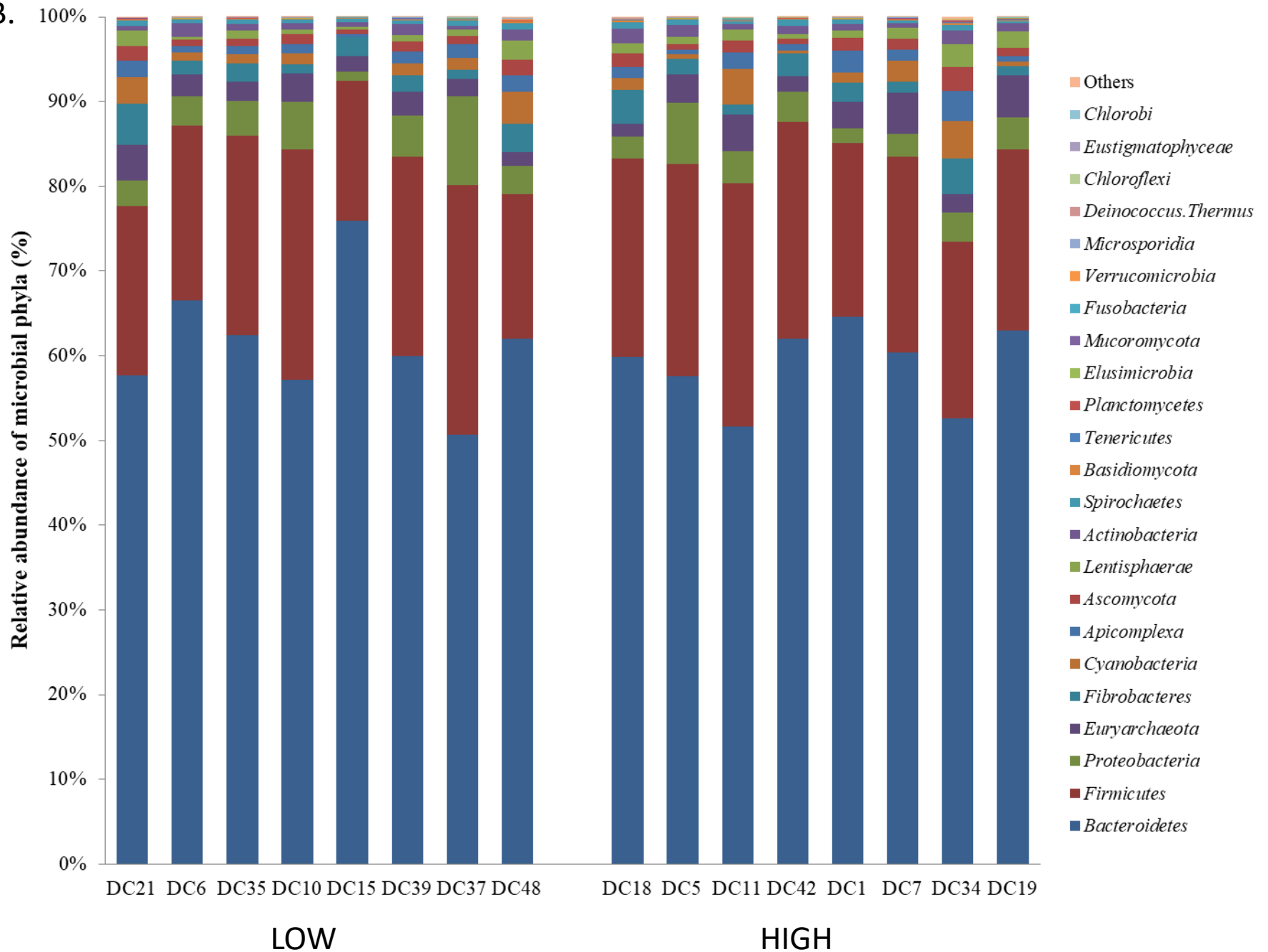
S2.



S3A.

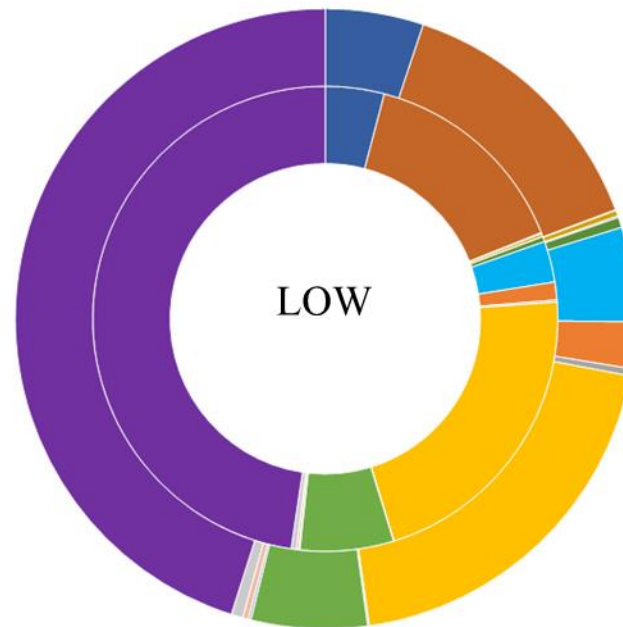


**S3B.**



S4.

HIGH



- Amino acid transport and metabolism
- Carbohydrate transport and metabolism
- Cell cycle control, cell division, chromosome partitioning
- Cell wall/membrane/envelope biogenesis
- Coenzyme transport and metabolism
- Defense mechanisms
- Energy production and conversion
- Function unknown
- General function prediction only
- Intracellular trafficking, secretion, and vesicular transport
- Lipid transport and metabolism
- Nucleotide transport and metabolism
- Posttranslational modification, protein turnover, chaperones
- Replication, recombination and repair
- Transcription
- Translation, ribosomal structure and biogenesis