

Supplemental figures:

	1	2	3	4	5	6	7	8	9	10	11	12
A												
B												
C												
D												
E												
F												
G												
H												

Figure S1. ‘Phenotypic Fingerprint’ of FBS135 after six-day cultivation. The Biolog GEN III MicroPlate analyzes FBS135 in 94 phenotypic tests: 71 carbon source utilization assays (columns 1-9) and 23 chemical sensitivity assays (columns 10-12).

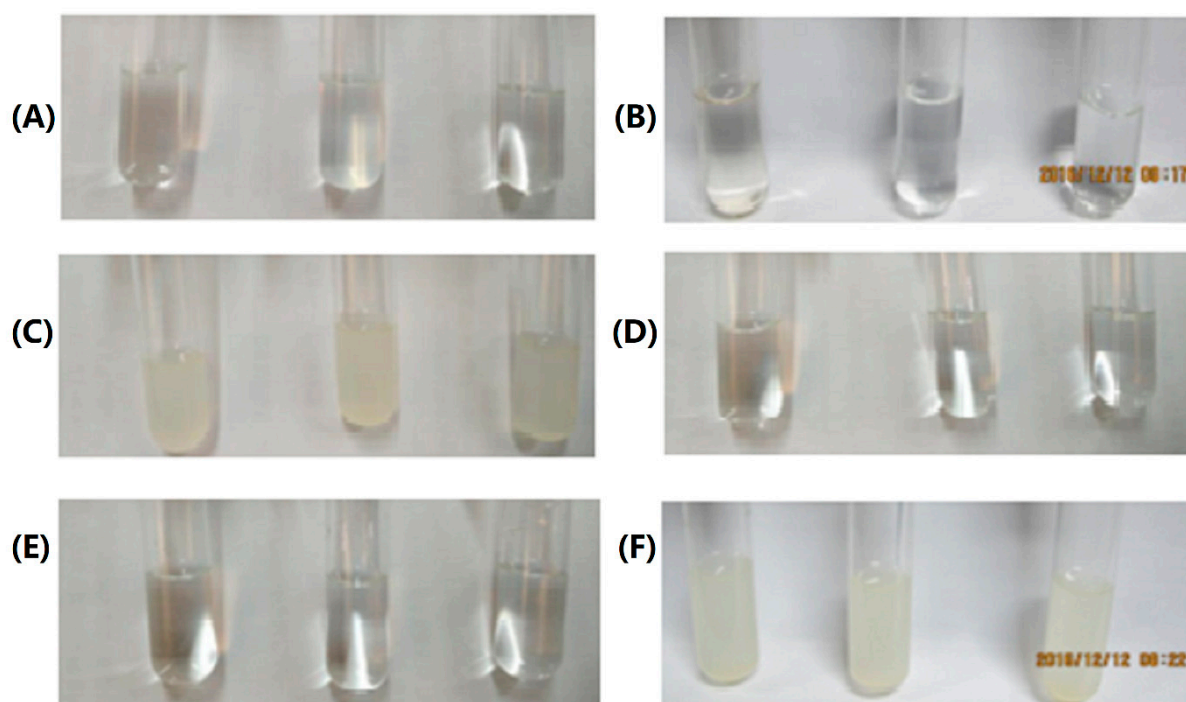


Figure S2. Utilization of single carbon source by FBS135 in six days. (A: Tween 40, B: α -D-Lactose, C: Gentiobiose, D: L-histidine; E: L-pyroglutamic acid; F: Glucose).

Accordingly, the original S1 have been renamed as S3; original S2 have been renamed as S4; original S3 have been renamed as S5.

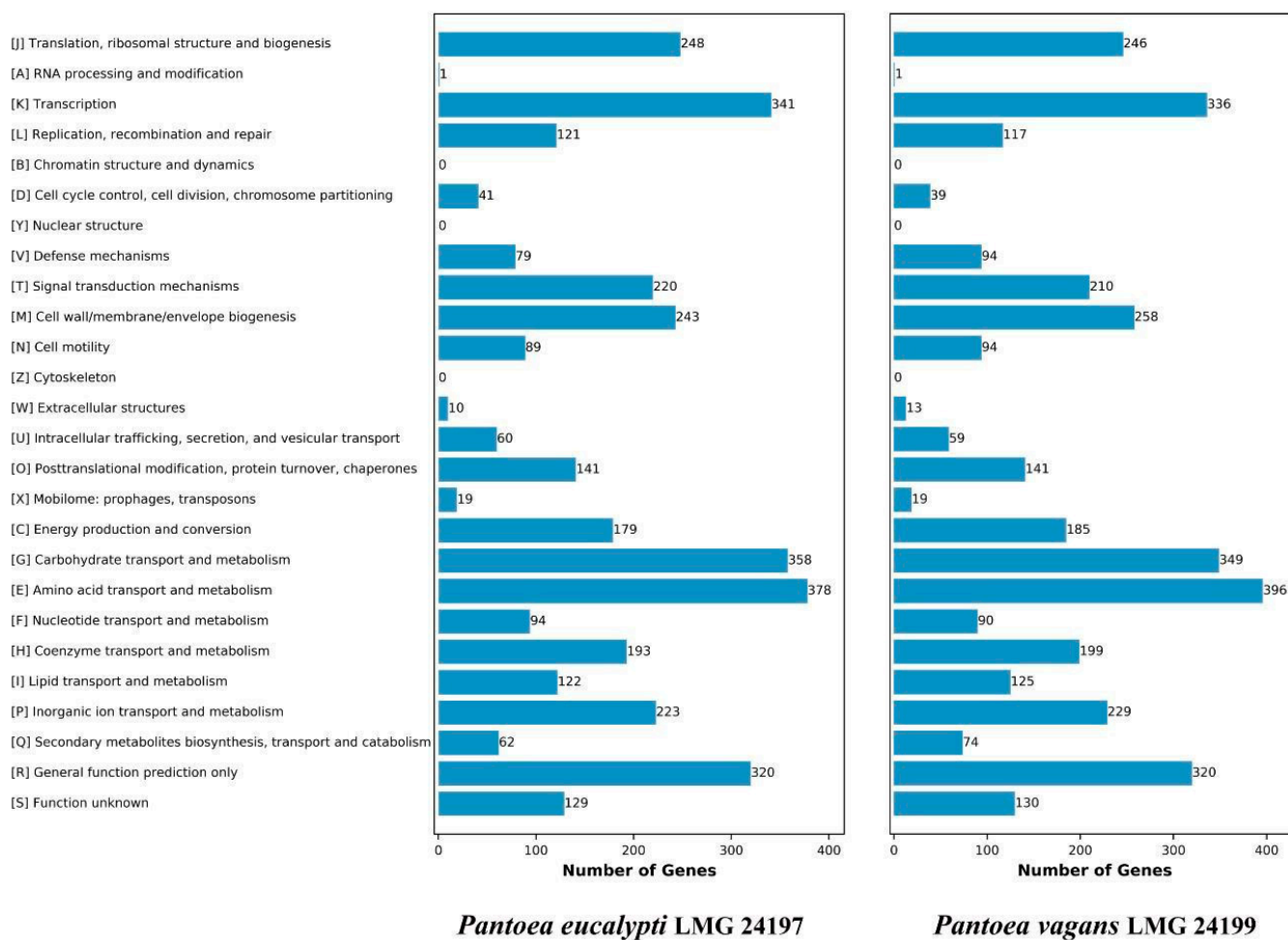


Figure S3. Classification and statistics of COG function of genome -encoded proteins.



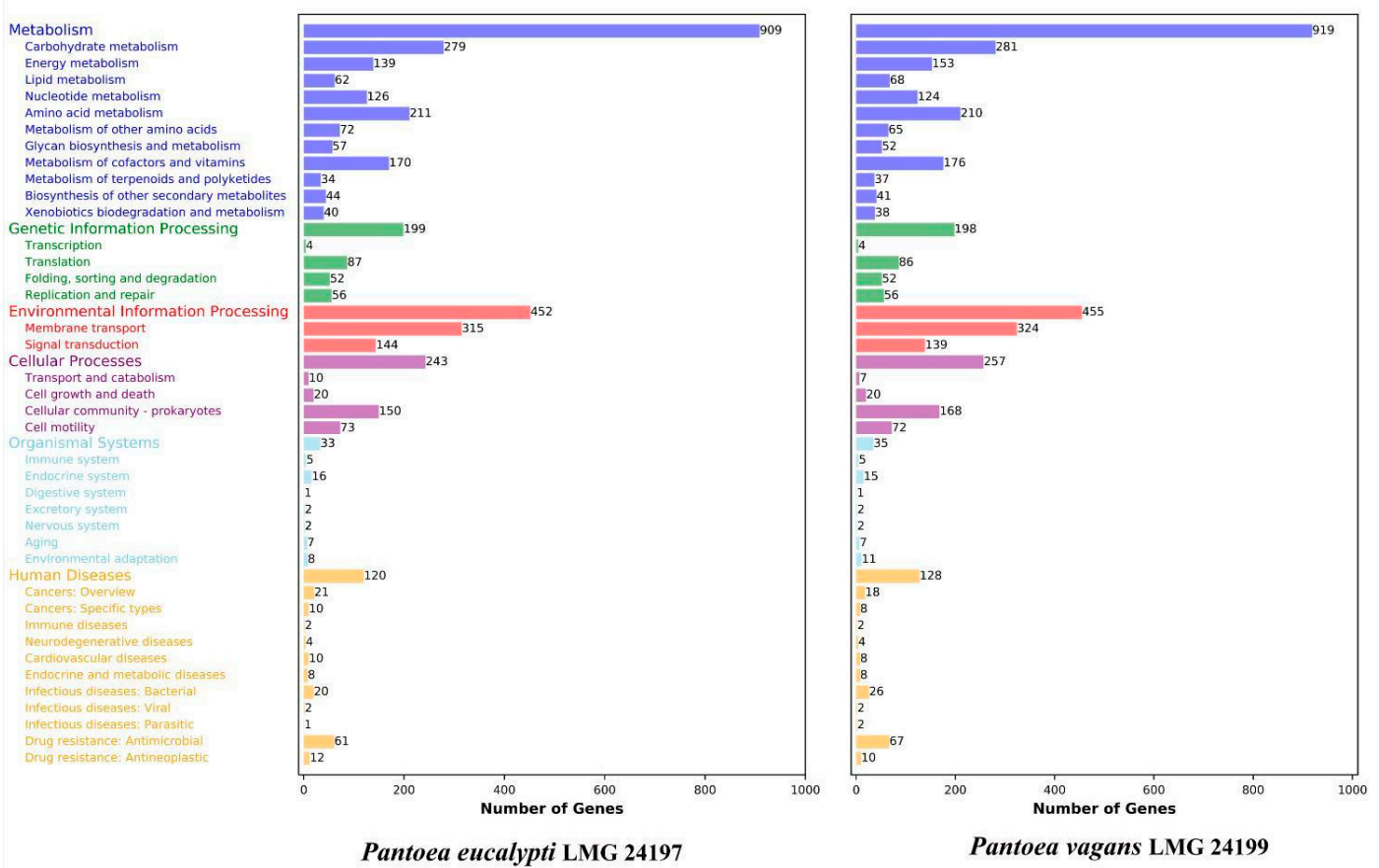


Figure S5. Statistics of KEGG functional classification of genome-encoded proteins.

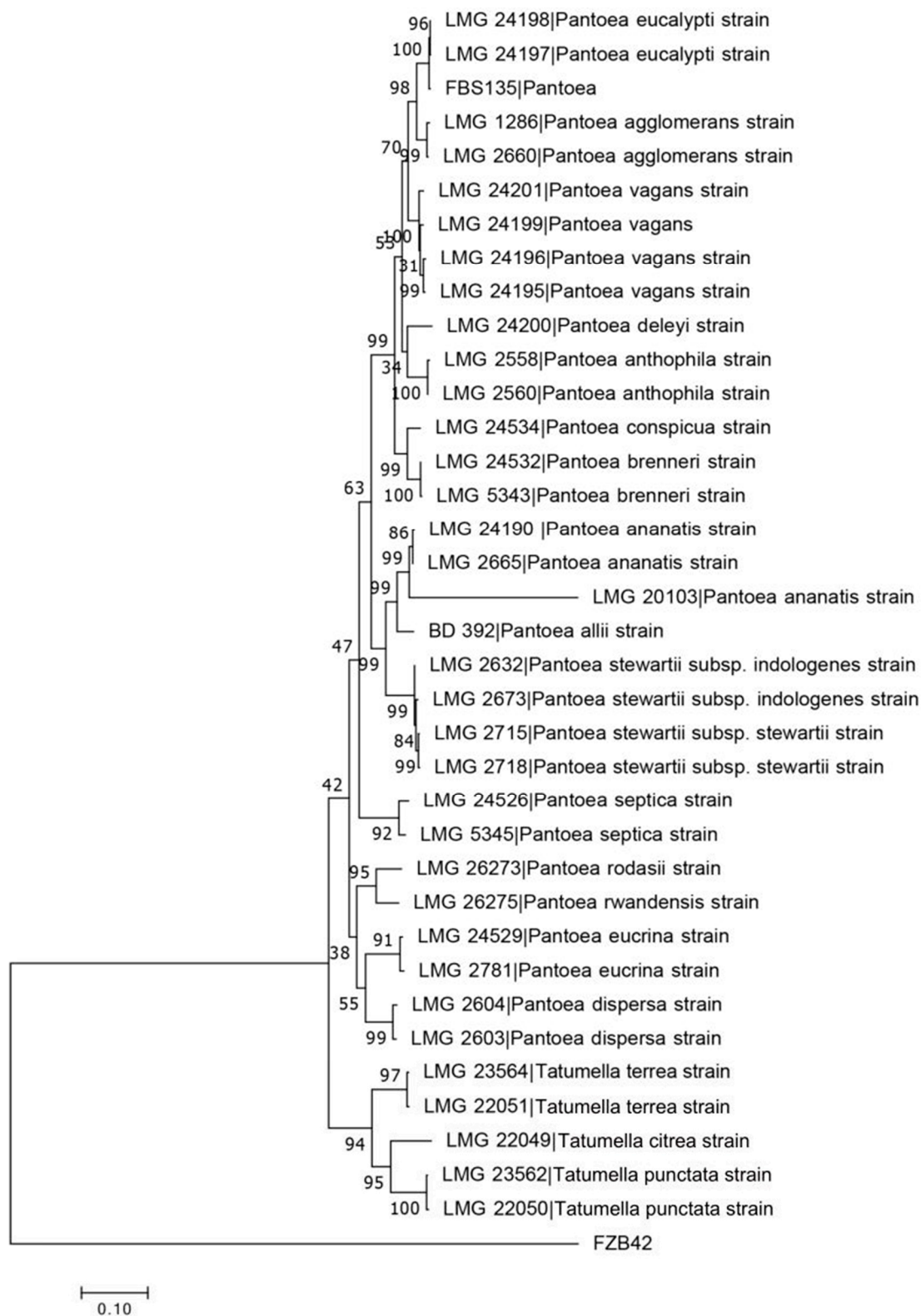


Figure S6. Phylogenetic tree constructed based on MLSA with four conserved genes (*rpoB*, *gyrB*, *infB*, *atpD*) using Maximum Likelihood method (repeated 1000 times).

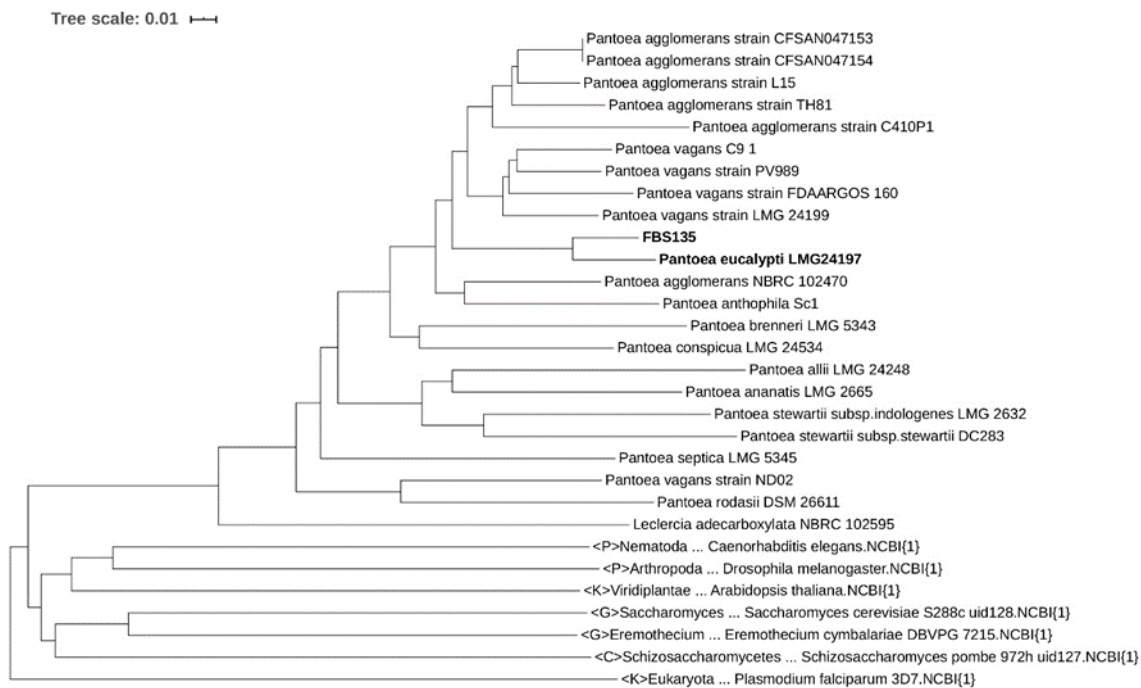


Figure S7. Phylogenetic analysis based on the whole genome sequence of FBS135