**Fig. 2 COG function of the D. longan transcriptome.** 17,118 unigenes showing significant homology to the COGs database at NCBI (E-value ≤ 1.0e-5) have a COG classification among the 25 categories.

A: RNA processing and modification  
B: Chromatin structure and dynamics  
C: Energy production and conversion  
D: Cell cycle control, cell division, chromosome partitioning  
E: Amino acid transport and metabolism  
F: Nucleotide transport and metabolism  
G: Carbohydrate transport and metabolism  
H: Coenzyme transport and metabolism  
I: Lipid transport and metabolism  
J: Translation, ribosomal structure and biogenesis  
K: Transcription  
L: Replication, recombination and repair  
M: Cell wall/membrane/envelope biogenesis  
N: Cell motility  
O: Posttranslational modification, protein turnover, chaperones  
P: Inorganic ion transport and metabolism  
Q: Secondary metabolites biosynthesis, transport and catabolism  
R: General function prediction only  
S: Function unknown  
T: Signal transduction mechanisms  
U: Intracellular trafficking, secretion, and vesicular transport  
V: Defense mechanisms  
W: Extracellular structures  
X: Nuclear structure  
Z: Cytoskeleton