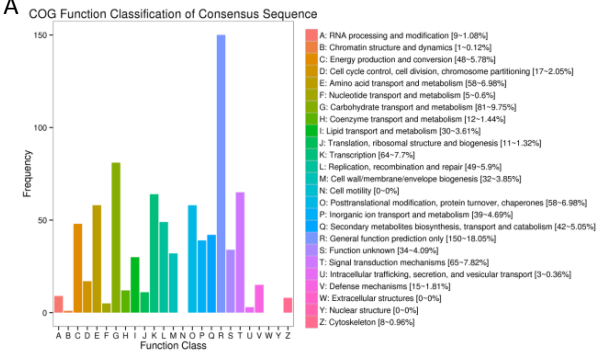
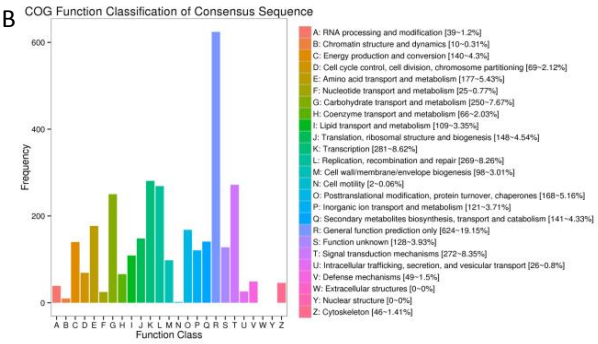
A


COG Function Classification of Consensus Sequence
Frequency
150
100
50
0
A B C D E F G H I J K L M N O P Q R S T U V W Y Z
Function Class
A: RNA processing and modification [9~1.08%]
B: Chromatin structure and dynamics [1~0.12%]
C: Energy production and conversion [48~5.78%]
D: Cell cycle control, cell division, chromosome partitioning [17~2.05%]
E: Amino acid transport and metabolism [58~6.98%]
F: Nucleotide transport and metabolism [5~0.6%]
G: Carbohydrate transport and metabolism [81~9.75%]
H: Coenzyme transport and metabolism [12~1.44%]
I: Lipid transport and metabolism [30~3.61%]
J: Translation, ribosomal structure and biogenesis [11~1.32%]
K: Transcription [64~7.7%]
L: Replication, recombination and repair [49~5.9%]
M: Cell wall/membrane/envelope biogenesis [32~3.85%]
N: Cell motility [0~0%]
O: Posttranslational modification, protein turnover, chaperones [58~6.98%]
P: Inorganic ion transport and metabolism [39~4.69%]
Q: Secondary metabolites biosynthesis, transport and catabolism [42~5.05%]
R: General function prediction only [150~18.05%]
S: Function unknown [34~4.09%]
T: Signal transduction mechanisms [65~7.82%]
U: Intracellular trafficking, secretion, and vesicular transport [3~0.36%]
V: Defense mechanisms [15~1.81%]
W: Extracellular structures [0~0%]
Y: Nuclear structure [0~0%]
Z: Cytoskeleton [8~0.96%]

B


COG Function Classification of Consensus Sequence
Frequency
600
400
200
0
A B C D E F G H I J K L M N O P Q R S T U V W Y Z
Function Class
A: RNA processing and modification [39~1.2%]
B: Chromatin structure and dynamics [10~0.31%]
C: Energy production and conversion [140~4.3%]
D: Cell cycle control, cell division, chromosome partitioning [69~2.12%]
E: Amino acid transport and metabolism [177~5.43%]
F: Nucleotide transport and metabolism [25~0.77%]
G: Carbohydrate transport and metabolism [250~7.67%]
H: Coenzyme transport and metabolism [66~2.03%]
I: Lipid transport and metabolism [109~3.35%]
J: Translation, ribosomal structure and biogenesis [148~4.54%]
K: Transcription [281~8.62%]
L: Replication, recombination and repair [269~8.26%]
M: Cell wall/membrane/envelope biogenesis [98~3.01%]
N: Cell motility [2~0.06%]
O: Posttranslational modification, protein turnover, chaperones [168~5.16%]
P: Inorganic ion transport and metabolism [121~3.71%]
Q: Secondary metabolites biosynthesis, transport and catabolism [141~4.33%]
R: General function prediction only [624~19.15%]
S: Function unknown [128~3.93%]
T: Signal transduction mechanisms [272~8.35%]
U: Intracellular trafficking, secretion, and vesicular transport [26~0.8%]
V: Defense mechanisms [49~1.5%]
W: Extracellular structures [0~0%]
Y: Nuclear structure [0~0%]
Z: Cytoskeleton [46~1.41%]