

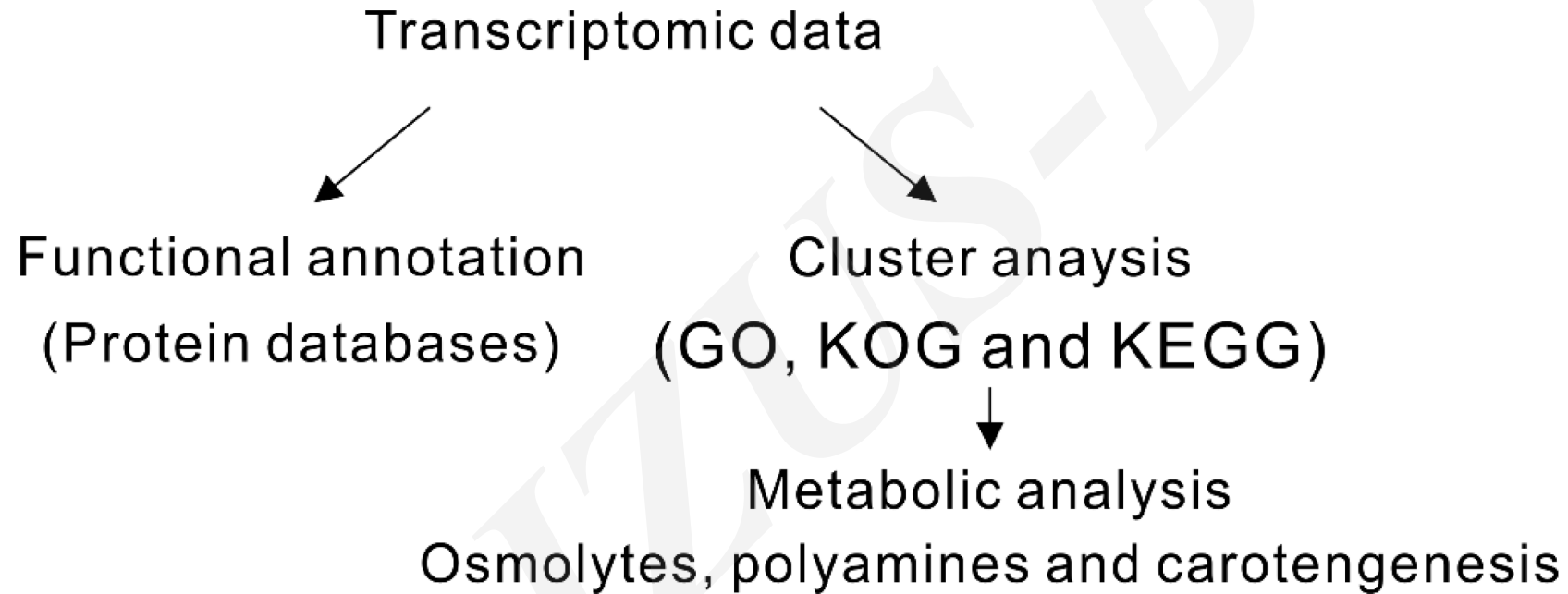
Cite this as: Ling HONG, Jun-li LIU, Samira Z. MIDOUN, Philip C. MILLER, 2017. Transcriptome sequencing and annotation of the halophytic microalga *Dunaliella salina*. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, 18(10):833-844.

<http://dx.doi.org/10.1631/jzus.B1700088>

Transcriptome sequencing and annotation of the halophytic microalga *Dunaliella salina*

Key words: *Dunaliella salina*, Transcriptome profile, Metabolic processes and adjustment, Regulatory metabolism, Salt stress

Research Summary



Innovation points

- Generate a substantial fraction of *D. salina* transcriptional sequences for the entire growth cycle
- Characterize the metabolic processes in *D. salina* with a focus on valuable metabolites
- Reduction in the substrates for spermine biosynthesis using inhibitors of S-adenosylmethionine decarboxylase (dsAM, 4.1.1.50) and SPDS would allow *Dunaliella* to achieve greater economic value in large-scale production under environmental stress.

