# Review of: "What can the cold-induced transcriptomes of Arctic Brassicaceae tell us about the evolution of cold tolerance?"

shuxia li

Potential competing interests: The author(s) declared that no potential competing interests exist.

Birkeland et al describe genome wide identification of genes in *Arctic Brassicaceae* in response to low temperatures. This gains insight into the evolution of cold tolerance and provides very useful information for further studies of the functions of cold-responsive genes in the future. Overall the ms is quite readable, but there are still some style issues that should be addressed before publication.

1. All abbreviations are to be written out. Such as “Fig. 1”, “kME”, “RAVs” et al.
2. The expression of shared cold regulated genes among Arctic species and A. thaliana, such as CBFs, LEA14, COR78, COR15B, TCF1 in Arctic species under cold condition should be verified by PCR.
3. This database accesion number of RNA-seq data should be mentioned in the text either here or in the methods.