Can the *Artemia* Genome tell us Anything About the Curious Response of Cysts to Prolonged Anoxia?

(and other severe stresses)
Dead? Locked in "diapause?"

DOES OVERALL METABOLISM COME TO A REVERSIBLE STANDSTILL?

Prolonged anoxia and diapause appear to be metabolically similar (JIP 57:660, 2011)

Entry to anoxia and diapause both involve metabolic activity for a day or two, then become undetectable.

Genomic comparison of the entry and exit phases of A&D could provide insight and further test similarity.

Tom MacRae and Al Warner couldn’t attend, but…
Tom ---use the annotated genome for study of novel &/or important molecular chaperones during diapause.

Al---origin of the group 1 LEA genes in Artemia. Have they arisen as the result of Lateral Gene Transfer as is the case for Wolbachia and probably Drosophila? An analysis of the Artemia genome might provide clues.

(Al will provide Group 1 anti-LEAP antibodies in 2014)
That's All.