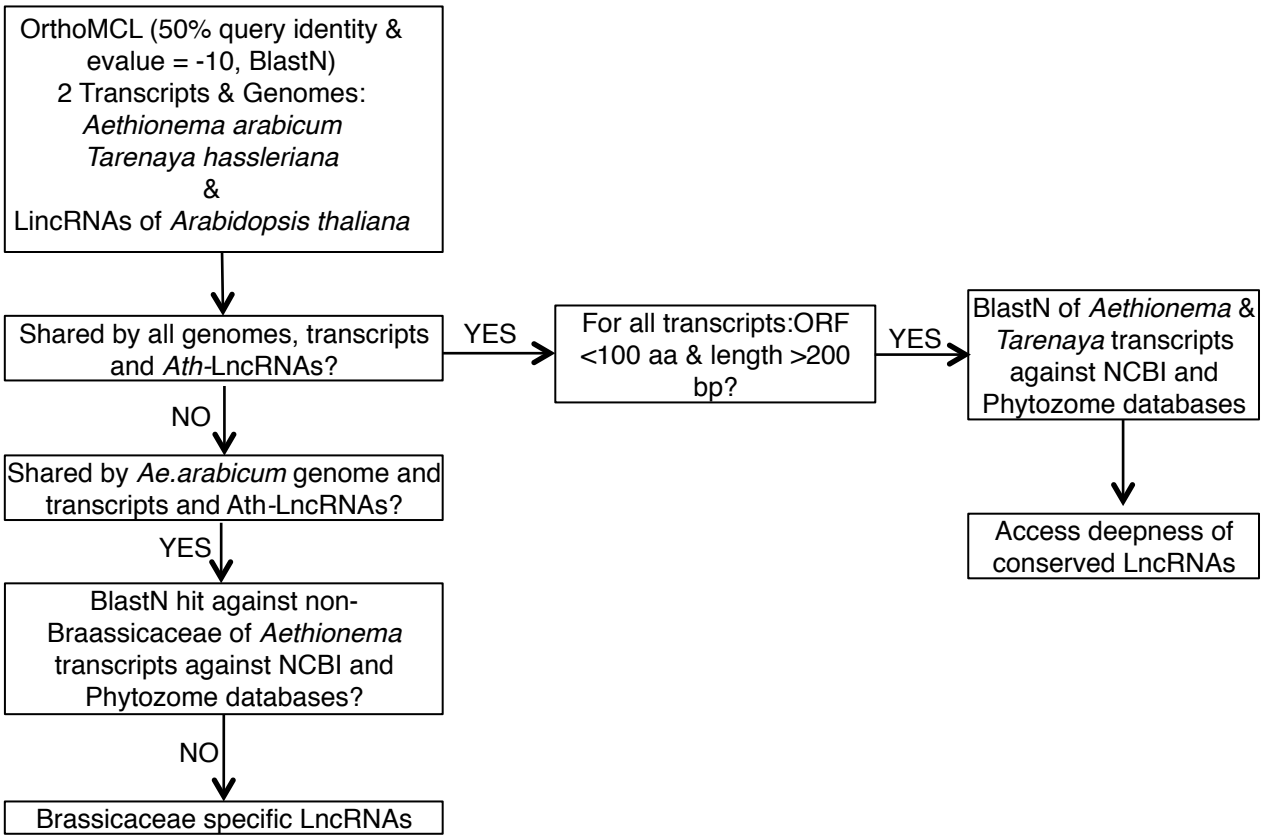
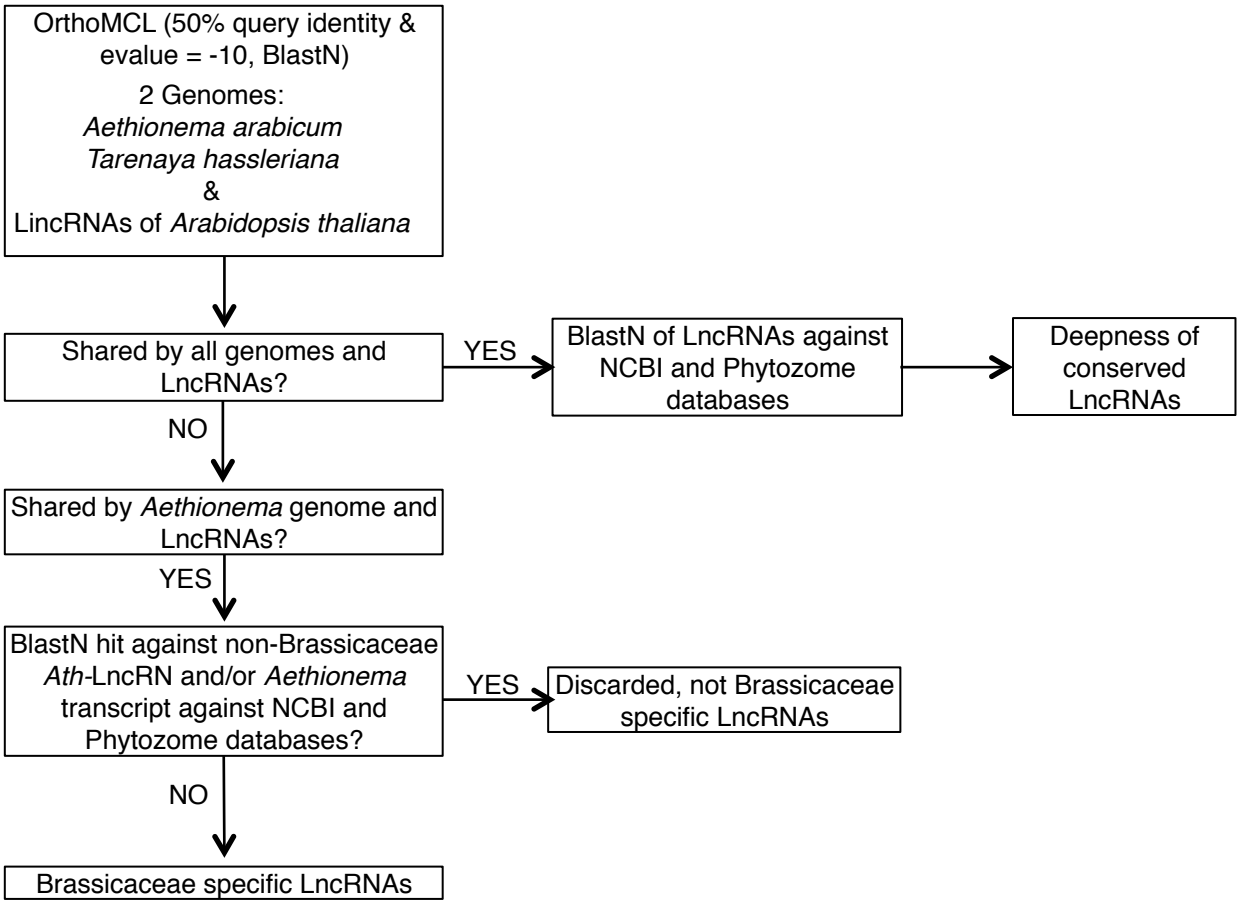

OrthoMCL (50% query identity & evalue = -10, BlastN)
2 Transcripts & Genomes:
Aethionema arabicum
Tarenaya hassleriana
&
LincRNAs of *Arabidopsis thaliana*
Shared by all genomes, transcripts and *Ath*-LncRNAs?
YES
For all transcripts:ORF <100 aa & length >200 bp?
YES
BlastN of *Aethionema* & *Tarenaya* transcripts against NCBI and Phytozome databases
Access deepness of conserved LncRNAs
NO
Shared by *Ae.arabicum* genome and transcripts and Ath-LncRNAs?
YES
BlastN hit against non-Braassicaceae of *Aethionema* transcripts against NCBI and Phytozome databases?
NO
Brassicaceae specific LncRNAs


OrthoMCL (50% query identity & evalue = -10, BlastN)
2 Genomes:
Aethionema arabicum
Tarenaya hassleriana
&
LincRNAs of *Arabidopsis thaliana*
Shared by all genomes and LncRNAs?
YES
BlastN of LncRNAs against NCBI and Phytozome databases
Deepness of conserved LncRNAs
NO
Shared by *Aethionema* genome and LncRNAs?
YES
BlastN hit against non-Brassicaceae *Ath*-LncRN and/or *Aethionema* transcript against NCBI and Phytozome databases?
YES
Discarded, not Brassicaceae specific LncRNAs
NO
Brassicaceae specific LncRNAs