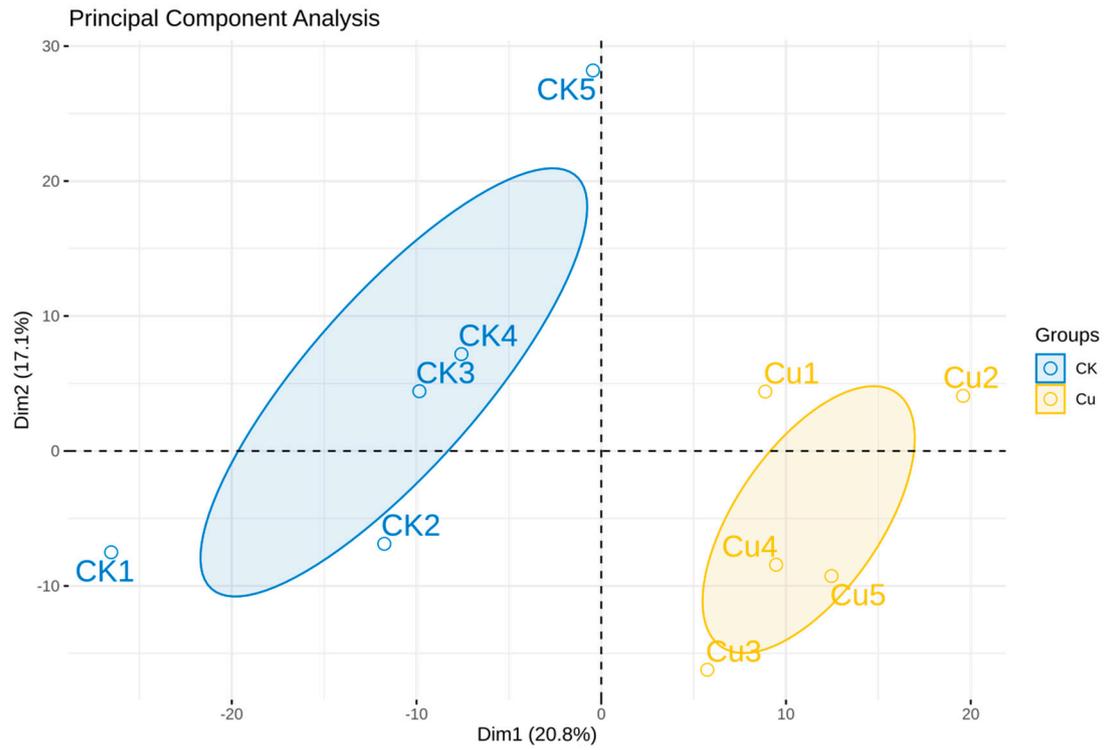


Supplementary Figure S2. The GO enrichment top20 based on genes that were up-regulated (A) and down-regulated (B) at 24h after Cu stress in *G. lemaneiformis*.



Supplementary Figure S3. The PCA analysis of the metabolism of *G. lemaneiformis* compare with Cu treatment and control.