Primer design through alignment of CHS gene from closely related plants to B. rotunda through manual and online softwares
Amplification of core fragment of <i>B. rotunda CHS</i> gene through nested PCR
Verification of core fragment of <i>B. rotunda CHS</i> gene through BLAST analysis
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Characterization of core fragment of <i>B. rotunda CHS</i> gene and comparsion with other available <i>CHSs</i> gene on GenBank
Establishment of an optimized RNA extraction method in <i>B. rotunda</i> which suits for gene expression analysis
Gene expression of CHS gene in different tissues of B. rotunda through reverse transcrition PCR using gene specific primers
Quantitativ gene expression of <i>CHS</i> gene in different tissues of <i>B. rotunda</i> through Real-Time quantitative PCR
Amplification of complete sequence of CHS gene through Rapid Amplification cDNA Ends
Study the possibility of variants of CHS gene through sequence analysis
Verification of CHS gene with available sequences on GenBank through BLAST and deposit the B. rotunda CHS gene
Prediction of secondary and 3D structure of CHS protein
Docking of CHS protein with panduratin A
Verification of <i>B. rotunda</i> CHS variants with transcriptome analysis