

Supplementary data legend

File 1. Agilent Bioanalyzer trace for RNA-seq library prepared for seed-bearing mature *Azadirachta indica* fruits.

File 2. List of MegaBlast annotations of transcripts identified by Trinity from the fruit RNA-Seq data

File 3. List of BlastX annotations (GI's) of transcripts identified by Trinity from the fruit RNA-Seq data

The column header descriptions are as follows:

qseqid: Query Seq-id

sallseqid: All subject Seq-id(s), separated by a ','

sallgi: All subject GIs

sallacc: All subject accessions

qlen: Query sequence length

slen: Subject sequence length

length: Alignment length

pident: Percentage of identical matches

bitscore: Bit score

evaluate: Expect value

File 4. Venn diagram depicting intersection of neem fruit, *Ricinus communis* and *Citrus sinensis* annotated transcripts (<http://bioinformatics.psb.ugent.be/webtools/Venn/>)

File 5. Frequency histogram for detailed molecular functional classification of Blast2GO annotation analyses

File 6. Frequency histogram for detailed biological process classification of Blast2GO annotation analyses