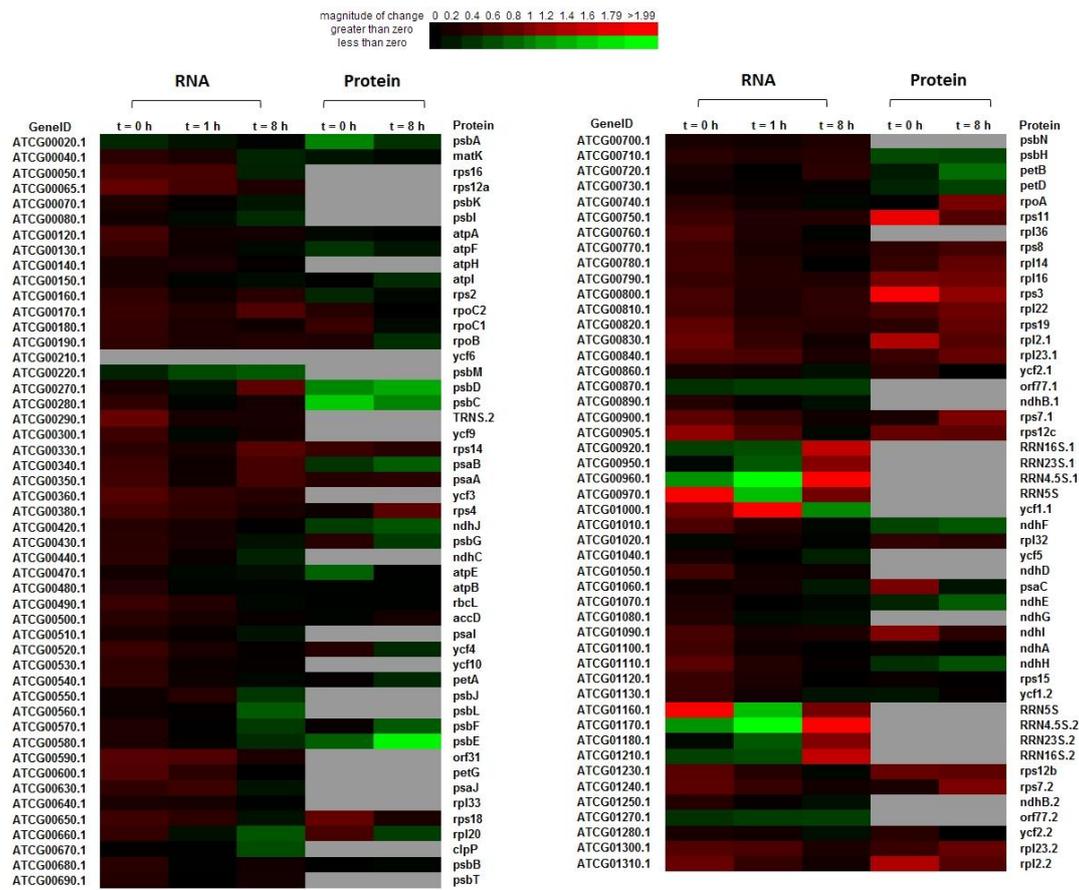


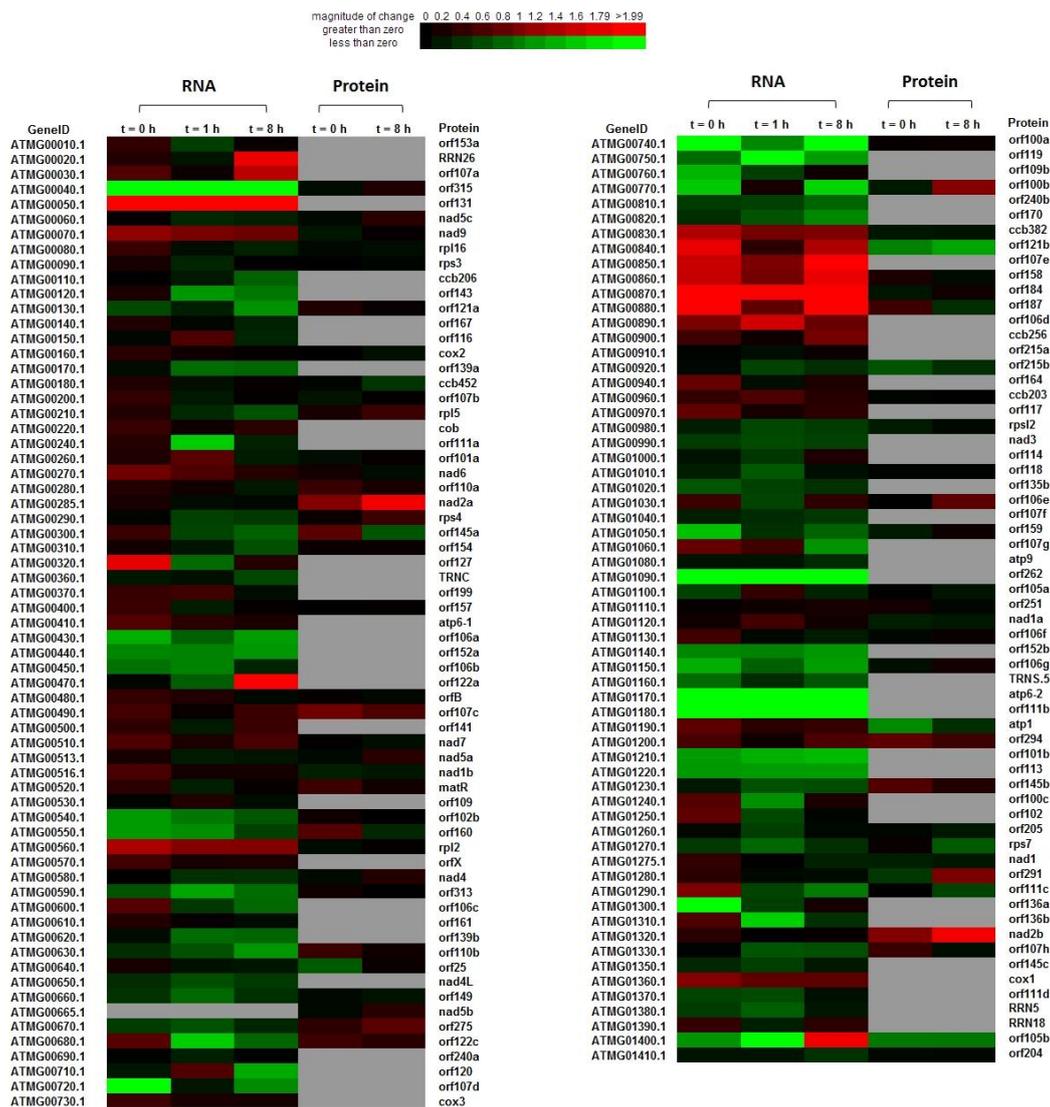
**Figure S2 | Base sequences quality of the RNA-seq data. (A) WT\_0 (t = 0 h); (B) WT\_1 (t = 1 h); (C) WT\_8 (t = 8 h); (D) OE\_0 (t = 0 h); (E) OE\_1 (t = 1 h). (F) OE\_8 (t = 8 h).** X-axis indicated positions along read, y-axis was quality value and each dot in the figure indicated the quality value along its corresponding position. All the values were above 20 which represented the QC of the samples was good.



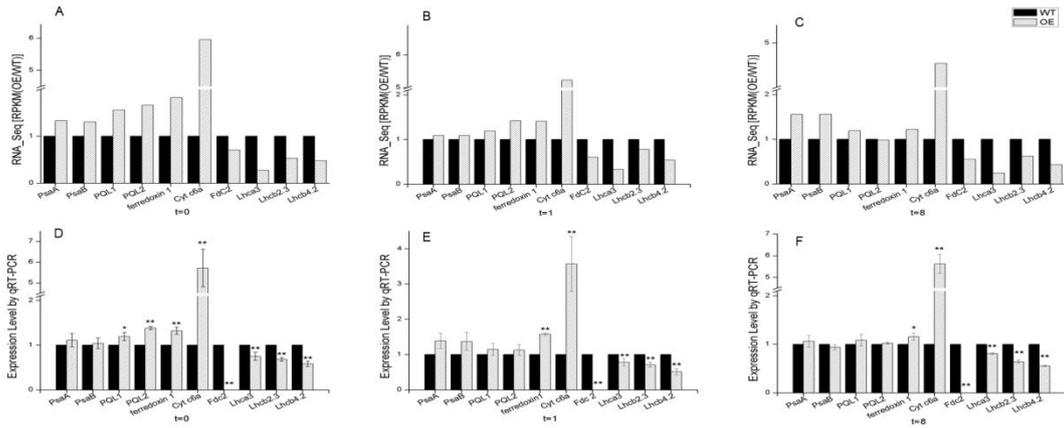
**Figure S3 | Heatmap of chloroplast transcription and translation profiles compared WT with OE in 20-d-old leaves of Arabidopsis. Each value was calculated by log<sub>2</sub> ratio and colors were scaled per row with up-regulated in red and down-regulated in green. The grey ones indicated the missing data in RNA-Seq or iTRAQ.**

Heatmap was generated from

[http://bbc.botany.utoronto.ca/ntools/cgi-bin/ntools\\_heatmapper\\_plus.cgi](http://bbc.botany.utoronto.ca/ntools/cgi-bin/ntools_heatmapper_plus.cgi).



**Figure S4 | Heatmap of mitochondrial transcription and translation profiles compared WT with OE in 20-d-old leaves of Arabidopsis.** Each value was calculated by log<sub>2</sub> ratio and colors were scaled per row with up-regulated in red and down-regulated in green. The grey ones indicated the missing data in RNA-Seq or iTRAQ. Heatmap was generated from [http://bbc.botany.utoronto.ca/ntools/cgi-bin/ntools\\_heatmapper\\_plus.cgi](http://bbc.botany.utoronto.ca/ntools/cgi-bin/ntools_heatmapper_plus.cgi).



**Supplementary Figure S5 | Validation the RNA-Seq results by qRT-PCR.** The mRNA value in terms of RPKM detected in RNA\_Seq were listed in at t = 0 (A), t = 1 (B) and t = 8 h (C), respectively. The corresponding qRT-PCR validated results were shown at t = 0 (D), t = 1 (E) and t = 8 h (F), respectively.