



**Figure 4. Cell specificity of C<sub>4</sub> cycle and Calvin-Benson-Bassham cycle transcripts oscillates over the time-course.** A) C<sub>4</sub> genes and Calvin-Benson-Bassham cycle (CBB) genes present in clusters 15, 3, 6 and 7. x-axis depicts time and y-axis shows transcript abundance in Transcripts Per Million (TPM). White and black bars denote light and dark periods. Gene names are followed by cluster number in parentheses. B) Volcano plots showing the distribution of adjusted *p*-values in relation to the fold-change between mesophyll and bundle sheath cells. Purple and orange circles denote C<sub>4</sub> and Calvin-Benson-Bassham cycle genes respectively and grey datapoints the remaining transcriptome.