



Figure S5.

Co-expressed genes in cluster 22 mainly associated with the circadian and UV-light reception and response. Micro array expression of gene models putatively corresponding to homologues in *Populus* are shown for WT (solid line) and lhy-10 (dashed line) trees. Mean expression of probe sets are plotted over the course of the microarray experiment. Gene acronyms and Affymetrix probe sets are shown above each plot. Y-axes show gene expression levels as median normalised Log<sub>2</sub> values and X-axes show experiment time starting sampling at ZT 21 (time 0) under long days of 18 h light: 6 h dark. Micro array expression values are shown for FLAVIN-DEPENDENT MONOOXYGENASE 1 (FMO1), HIGH CHLOROPHYLL FLUORESCENCE PHENOTYPE 173 (H173), NIGHT LIGHT-INDUCIBLE AND CLOCK-REGULATED 3 (LNK3), LNK4, MAP KINASE 9 (MPK9), REPRESSOR OF UV-B PHOTOMORPHOGENESIS 2 (RUP2), UVB-RESISTANCE 8 (UVR8).