

Shoot regeneration is not a single cell event

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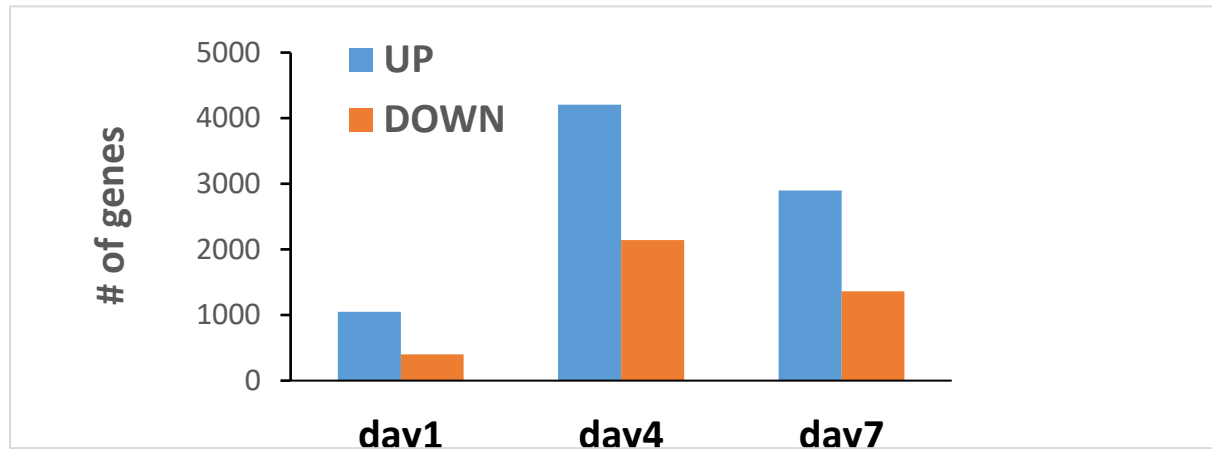


Figure S1: Number of genes that were up or down-regulated during the induction period on Reg medium.

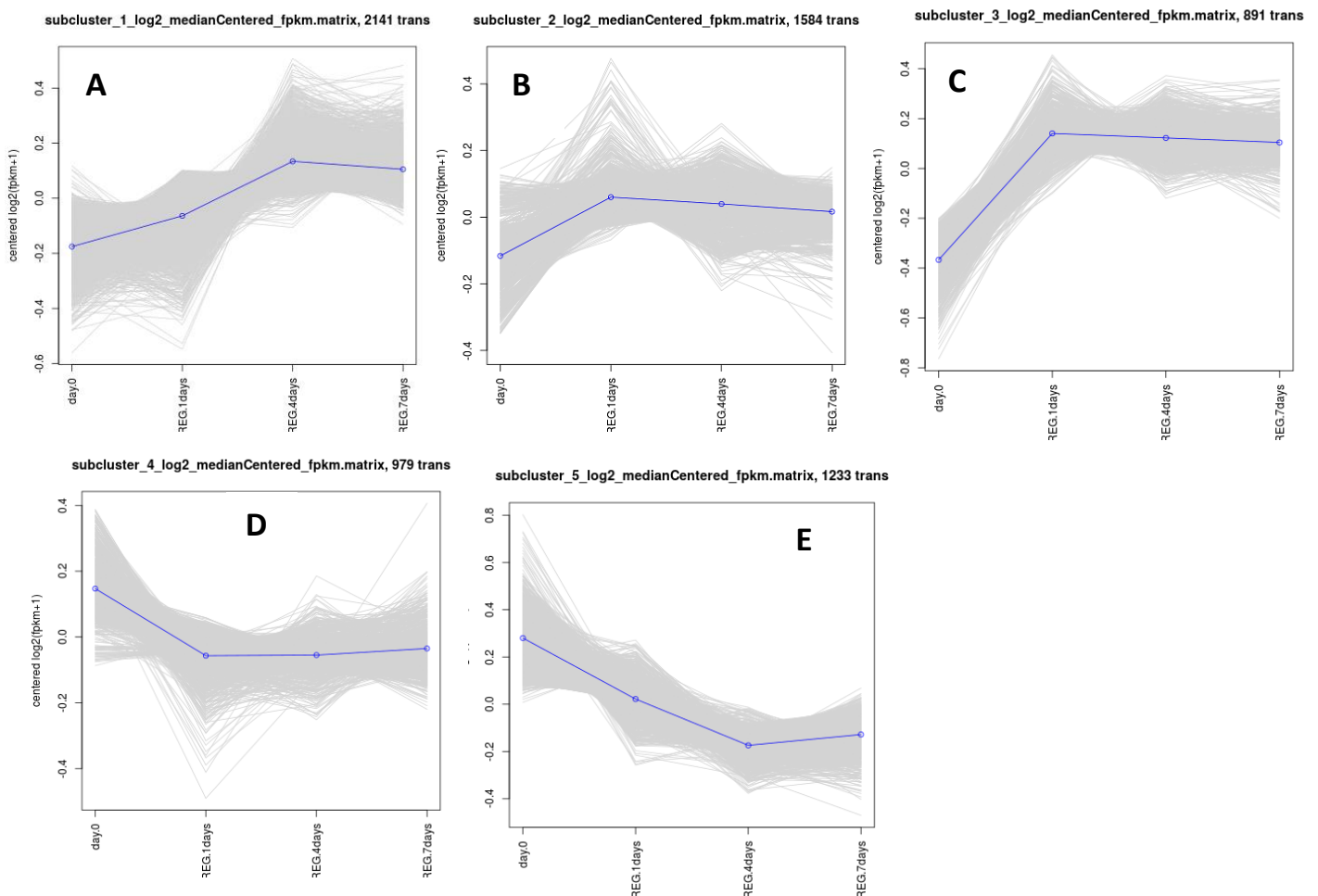


Fig. S2: Transcript changes during shoot induction period on Reg medium show five distinct sub cluster. **A**: sub cluster of genes that upregulate mostly on day 4; **B**: sub cluster of genes that upregulate moderately on day 1; **C**: sub cluster of genes that upregulate sharply on day 1; **D**: sub cluster of genes that downregulate on day 1; **E**: sub cluster of genes that downregulate on day 4.

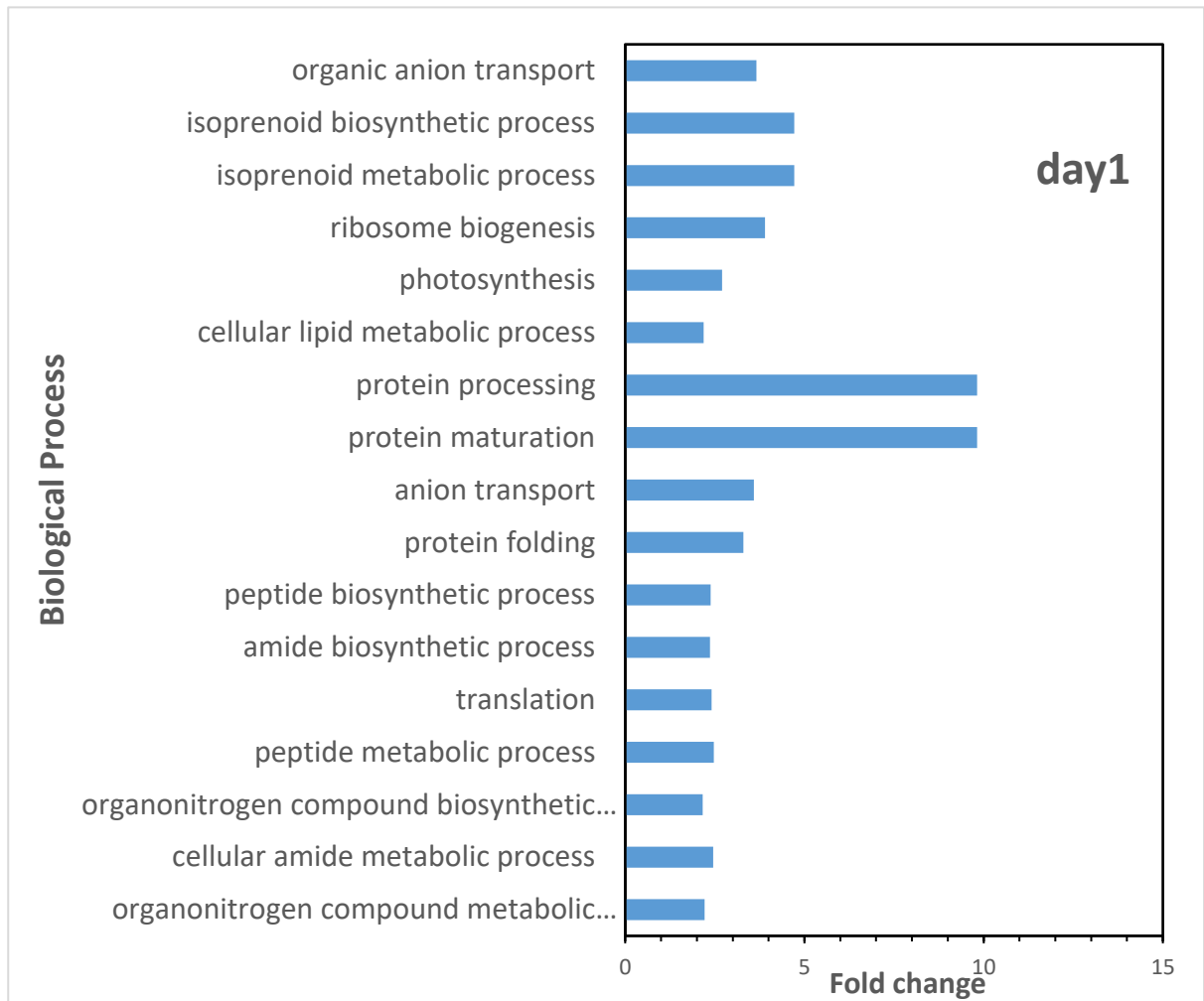


Figure S3. transcript analyses of biological processes that upregulate at day 1 compared to day 0 of the induction of shoot regeneration.

Day4

Biological process

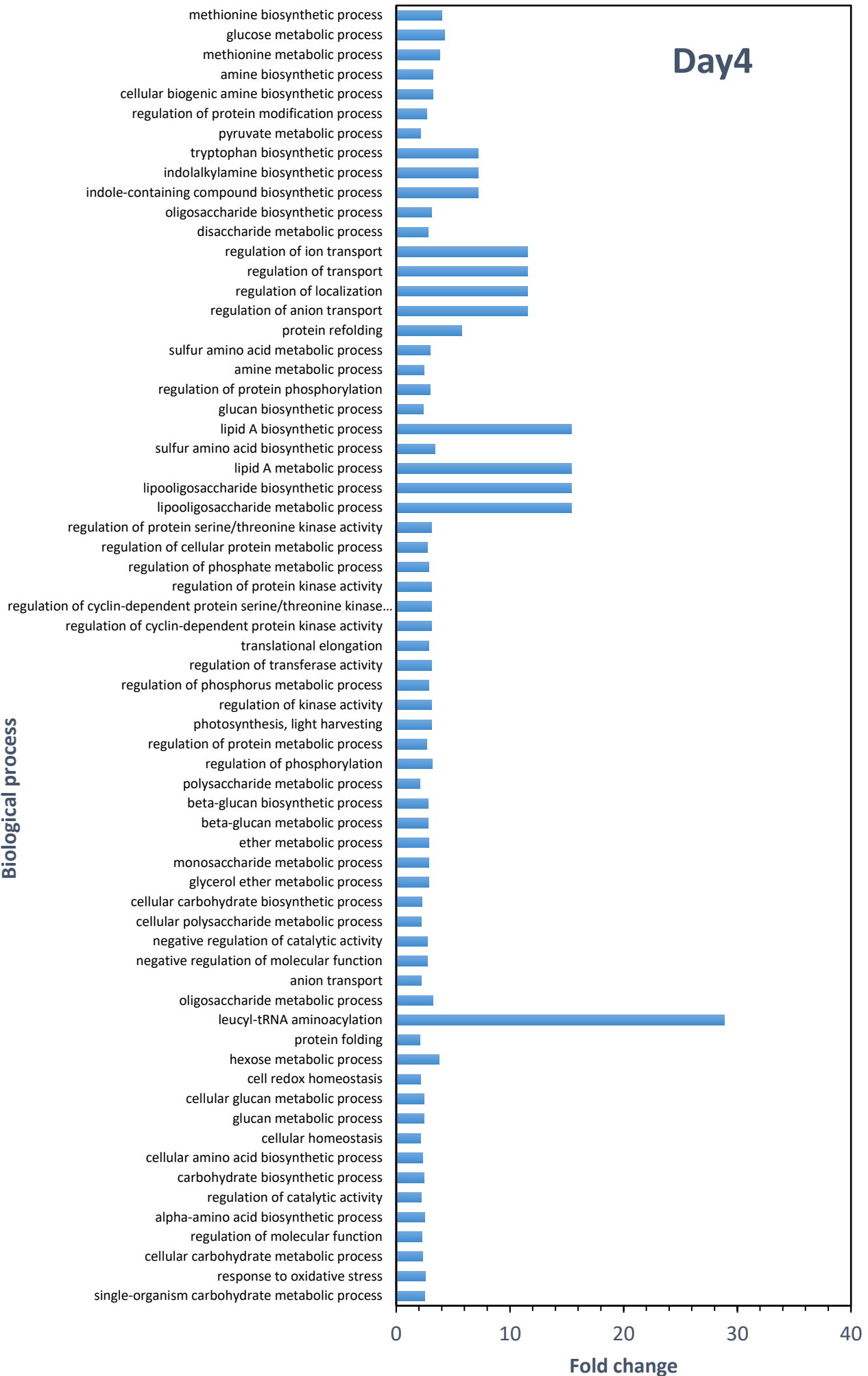


Figure S4. transcript analyses of biological processes that upregulate at day 4 compared to day 0 of the induction of shoot regeneration.

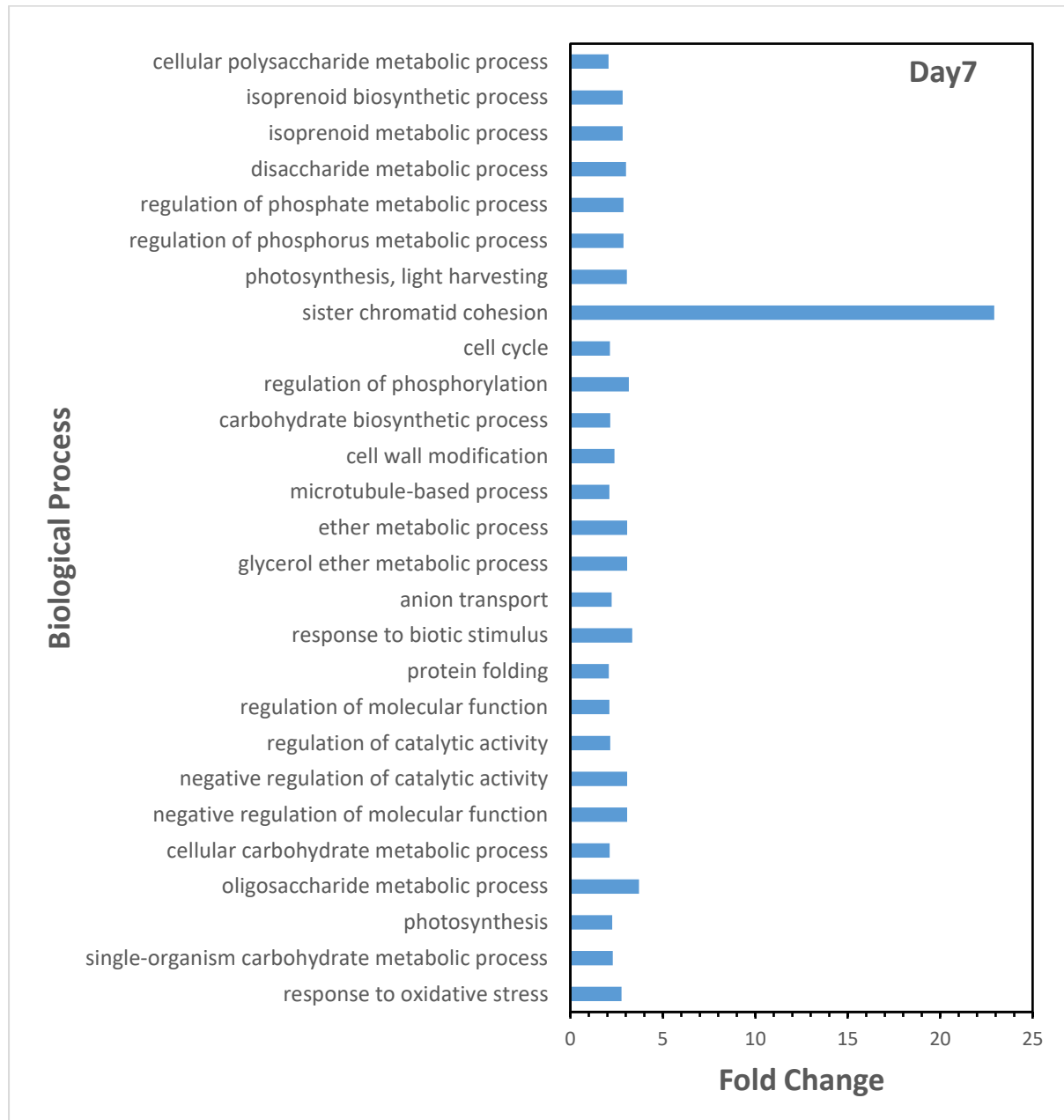


Figure S5. Transcript analyses of biological processes that upregulate at day 7 compared to day 0 of the induction of shoot regeneration.

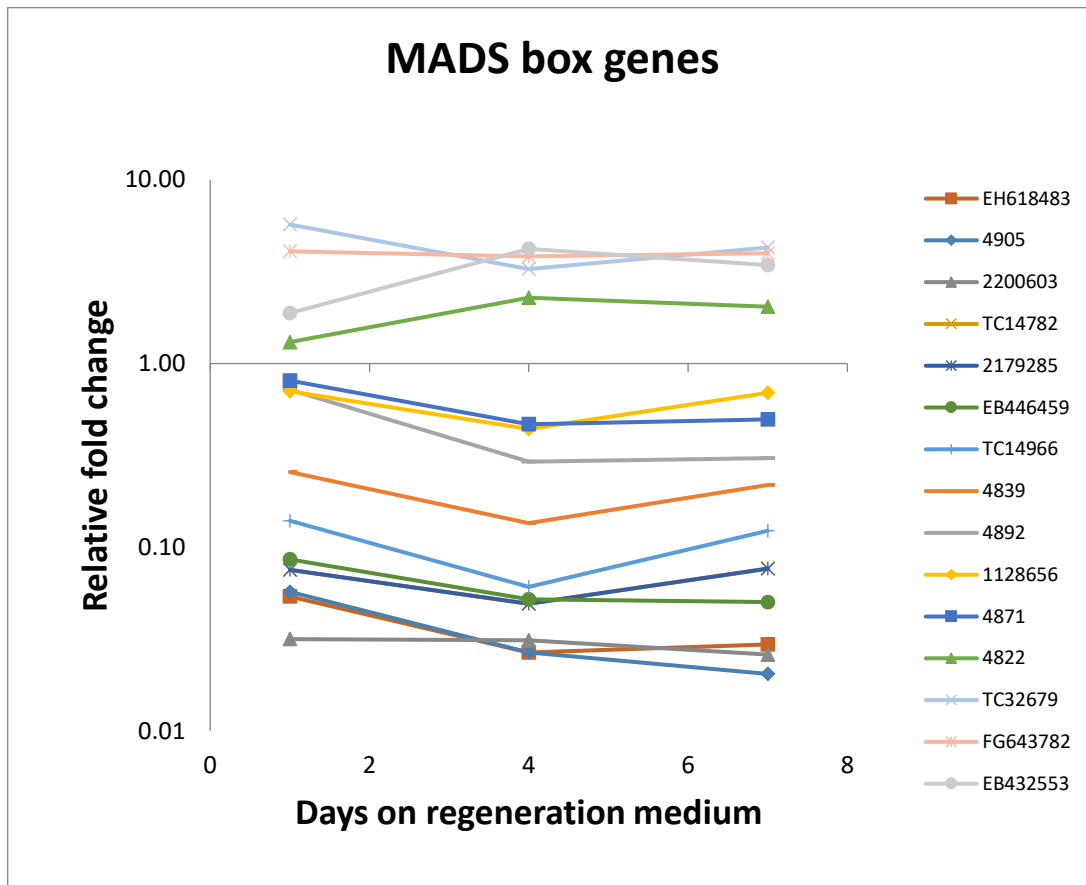


Figure S6. Transcript analyses of MADS box gene family during the 7 c days compared to day 0 of the induction of shoot regeneration.

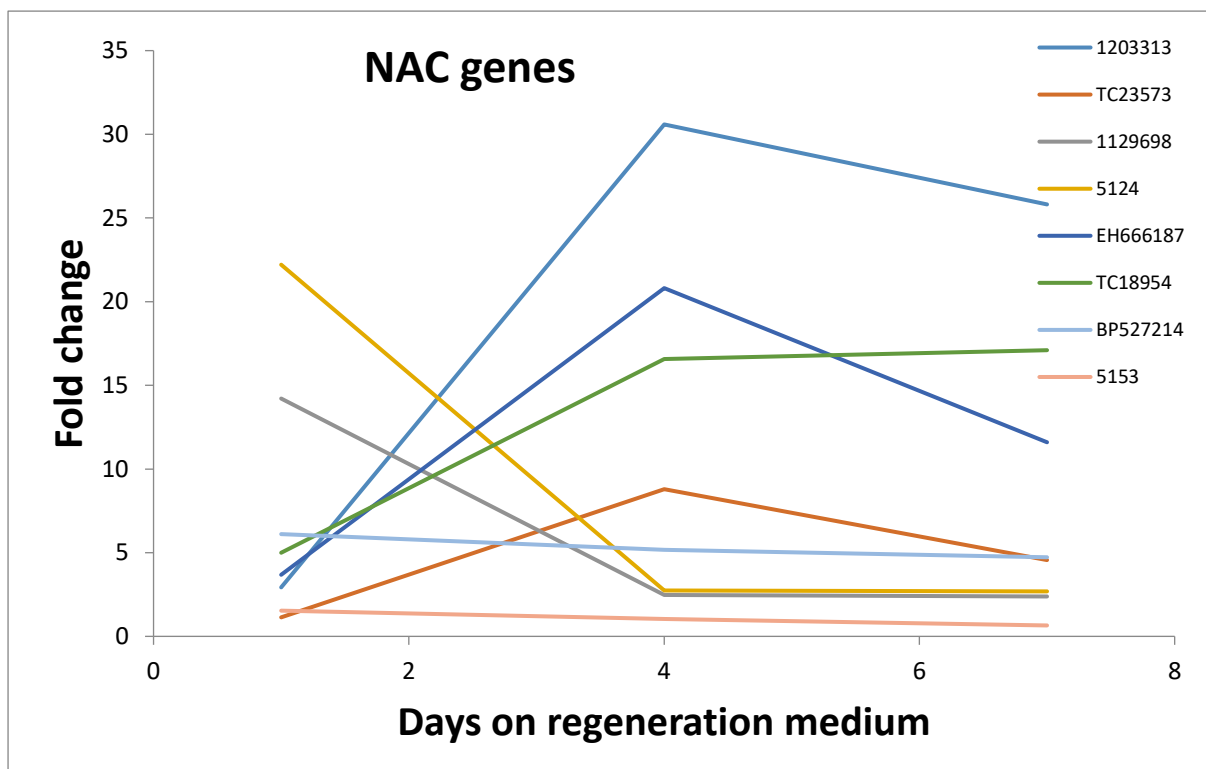


Figure S7. Transcript analyses of NAC gene family during the 7 c days compared to day 0 of the induction of shoot regeneration.

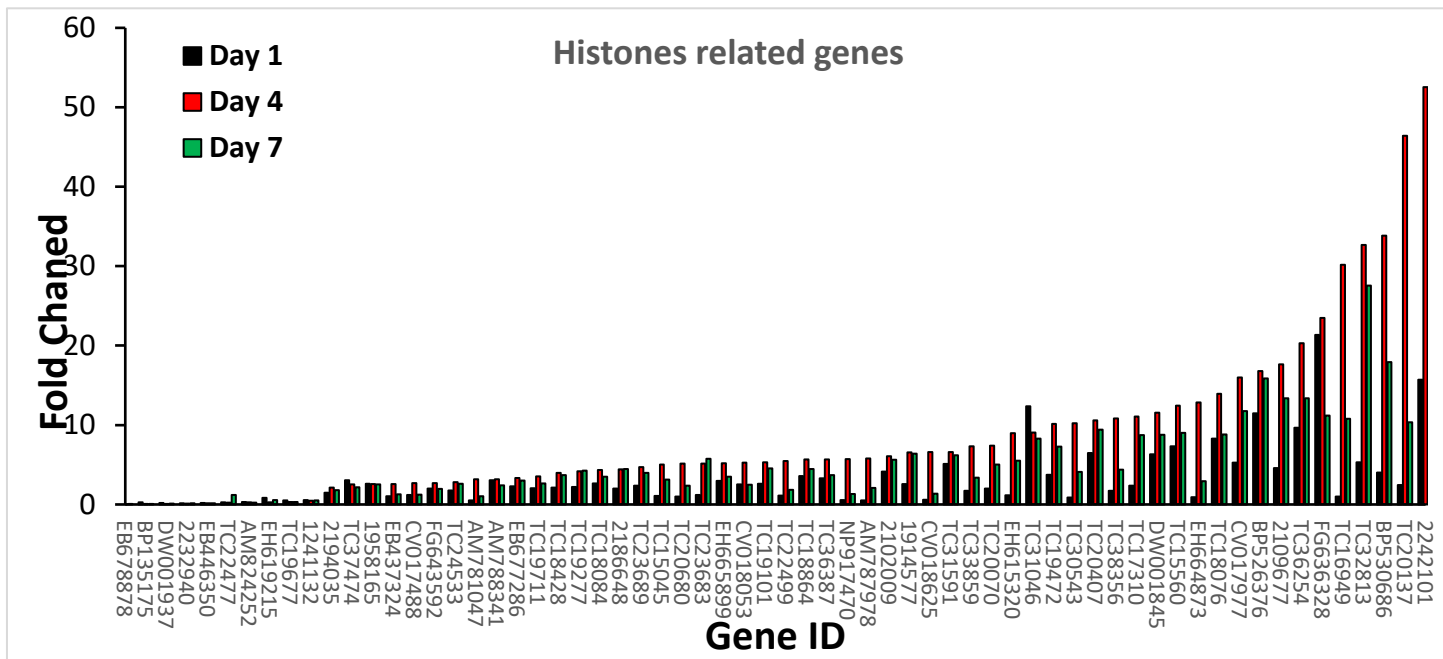


Figure S8. Transcript analyses of histone related genes during the 7 c days compared to day 0 of the induction of shoot regeneration.

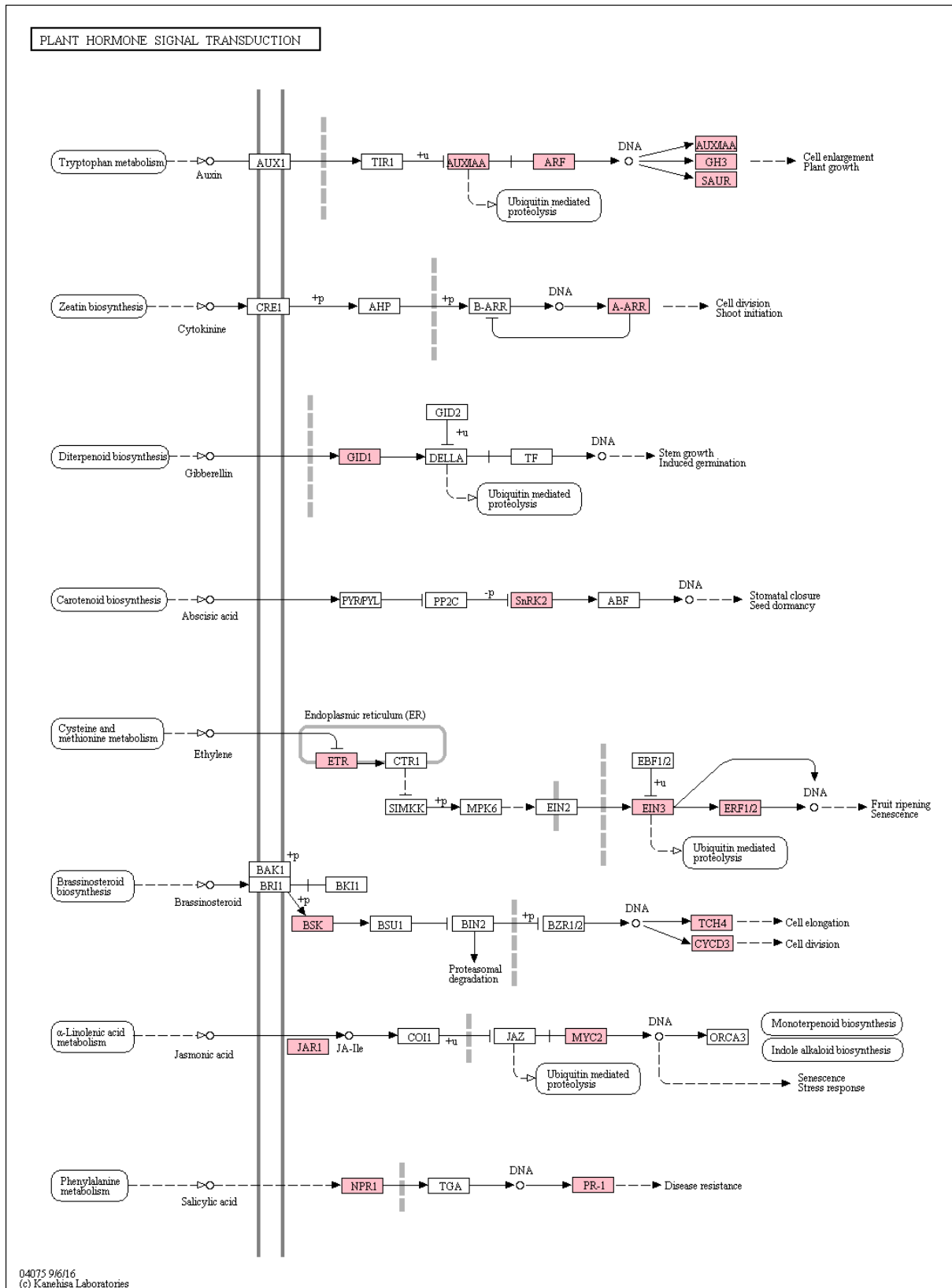


Figure S9. Transcript analyses of phytohormones signal transduction pathways at the 1 day compared to day 0 of the induction of shoot regeneration. Genes that are boxed in red show change.