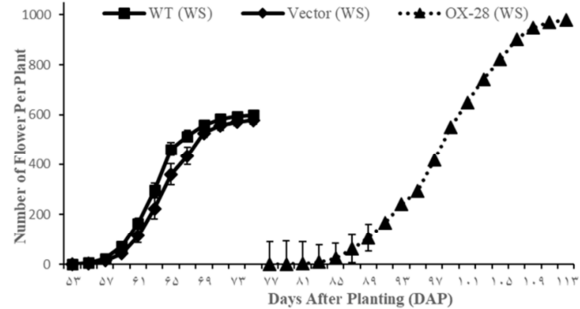
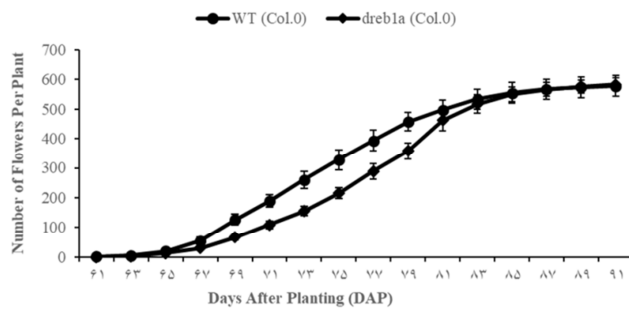
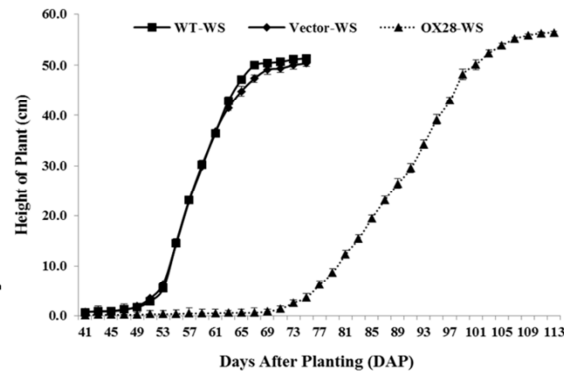
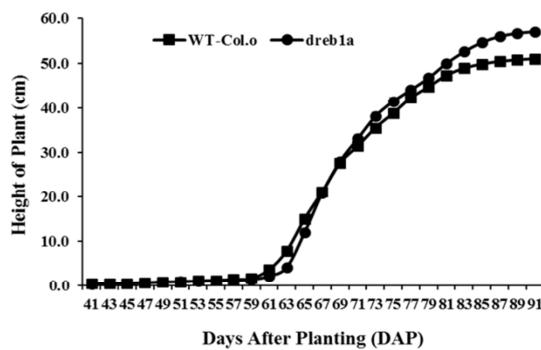


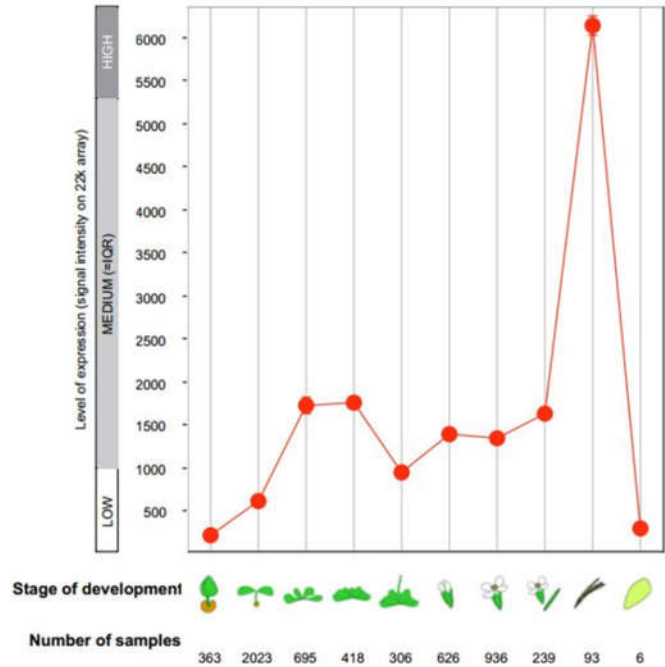
**Supplement 1.** The *dreb1a* and OX28 plants rosette leaves > 1 mm production over the time alongside their control wild types. Number of rosette leaves were recorded every two days to stage 5.10. One-way ANOVA ( $p < 0.05$ ) was applied for analysis, and bars indicate standards error of replicates.



**Supplement 2.** The height of plants over time in *dreb1a* and OX28 plants alongside their control wild types. The height of the plant was recorded after stage 5.10 every two days. One-way ANOVA ( $p < 0.05$ ) was applied for analysis, and bars indicate standards error of replicates.



**Supplement 3.** The number of flowers opened overtime in *dreb1a* and OX28 plants alongside their control wild types. The number of flowers was recorded every two days after stage 6.00 when the first flower was opened. One-way ANOVA ( $p < 0.05$ ) was applied for analysis, and bars indicate standards error of replicates.



**Supplement 4.** *DREB1A* expression level vegetative and reproductive growth stages. The mean of *DREB1A* expression was calculated using microarray data given from Genevestigator- web tool.