**Supplementary Information**

Title: Developing *Portulaca oleracea* as a model system for functional genomics analysis of C4/CAM photosynthesis

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| **Table S1** Additional primer sequences. (Separate Excel file) |
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| **Table S3** Primer efficiency at different concentrations for the selected candidate reference genes. (Separate Excel file) |
| **Table S4** Raw Ct values for different sample sets of *Portulaca oleracea* plants. (Separate Excel file) |
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**Fig. S1.** Representative gel images produced via Bioanalyzer 2100 for *Portulaca oleracea* leaf and stem samples. These images were generated as a result of RNA quality assessment. RNA Integrity Number (RIN) ≥ 7 was considered good.



**Fig. S2.** Pairwise variation (V) analysis of the twelve candidate reference genes in different *Portulaca oleracea* sample sets. Vn/Vn+1 was analyzed between the normalization factors Vn and Vn+1 by geNorm to determine the optimal number of reference genes required for qPCR data normalization. (a) Leaf development series. (b) Drought stress series. (c) Hormonal treatment series. (d) Salt stress series. (e) Subspecies series. (f) Diel time of sampling series. (g) Tissue series.