

Orthogroup	Species	Forward primer	Reverse primer
OG5138	<i>S. sellowii</i> , <i>S. lepidophylla</i>	GTCTTCCTACCACGACGTAGT	CGGTCGCATATCTCGCAAGTCT
	<i>S. denticulata</i>	CGCAGCACCGTGATCACCACGT	
OG4174	<i>S. sellowii</i>	CTGTGGACTTCATCTTCGGCA	TGAAGACGGGCAGGAAGTC
	<i>S. lepidophylla</i>	CCGTGGACTTCATCTTTGGGA	GAAGATCGGAAGGTAGTCCCG
	<i>S. denticulata</i>	TTGGCAATGCAGCTTCGGTA	GACGATGGGAAGGAAGTCCG
OG2082	<i>S. sellowii</i>	CTACAAGGACATCGAGGAGACG	GAGAGATCGCAGGACAAGTGCT
	<i>S. lepidophylla</i>	CAAGACATCGAGGACACATACG	AGATCGCAGCTAAGATGCTTCA
	<i>S. denticulata</i>	CTACGACGACATCGAGAATACG	GCTCAAGATCATACTGGAGCTC
OG3782	<i>S. sellowii</i> , <i>S. lepidophylla</i>	TGGCTCGTCAAATGCAAGATG	TACTGCCTTCTCGTCTCGAA
	<i>S. denticulata</i>		TACTGCCGTCTCGTCTCGAA

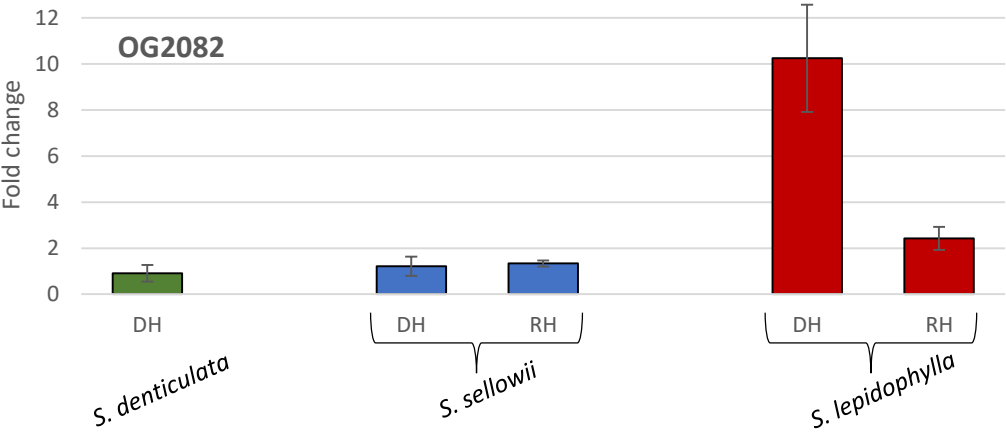
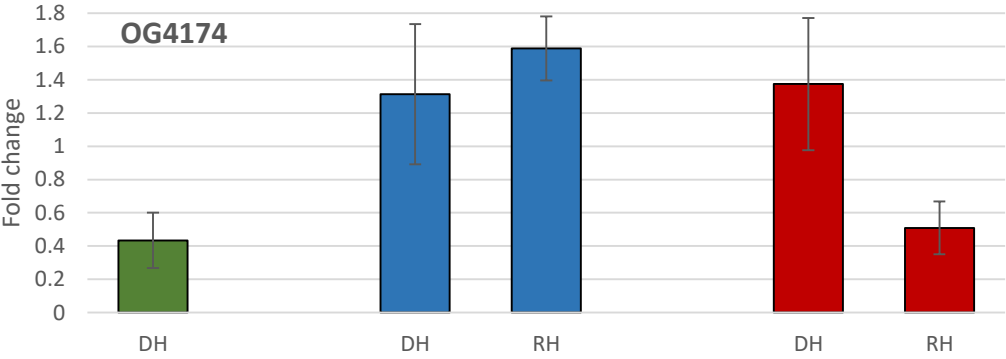
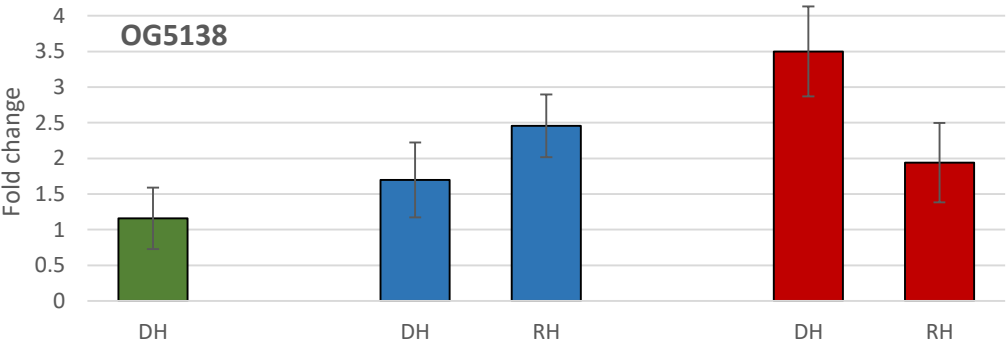


Figure S5. Quantitative real-time PCR validation. (a) Selected orthogroups and primers used for qRT-PCR analysis. Expression levels in *S. denticulata* (green), *S. sellowii* (blue) and *S. lepidophylla* (red) of the orthogroups (b) OG5138, (c) OG4174 and (d) OG2082. An ubiquitin protein ligase gene (OG3782) was used as reference gene. Fold change with respect to hydrated conditions in response to DH (extreme dehydration; 10% water content) or RH (early rehydration; 2 h). Data are shown as the mean and standard error of two biological replicates and three technical replicates for each sample.