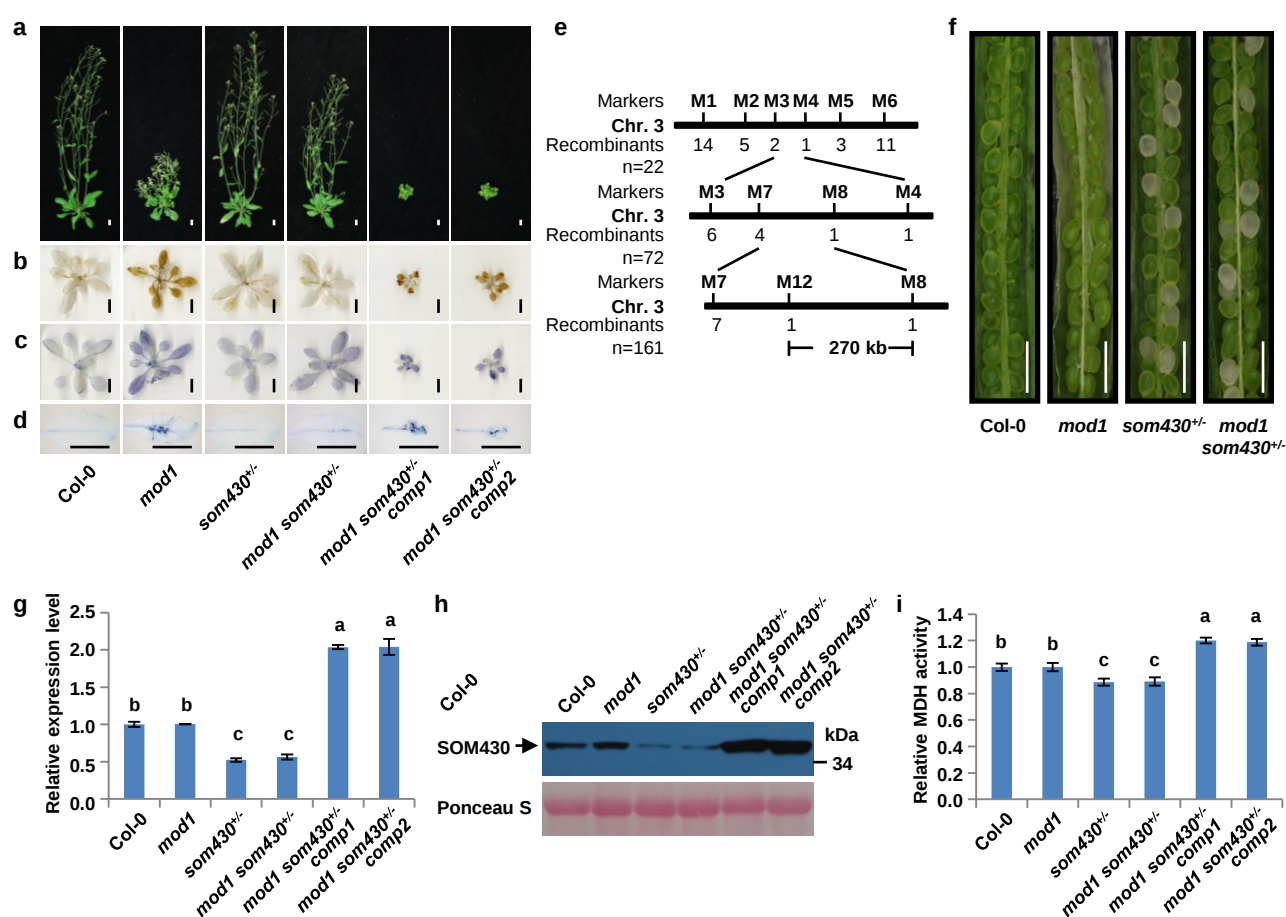




Supplementary information, Figure S1 Cloning and characterization of *SOM430*.

(a) Phenotypes of Col-0, *mod1*, *som430^{+/-}*, *mod1 som430^{+/-}*, *mod1 som430^{+/-} comp1* and 2 (*mod1 som430^{+/-}* complemented line 1 and 2) at 35 days after germination (DAG). Scale bars, 1 cm.

(b) DAB-stained seedlings. Scale bars, 1 cm.

(c) NBT-stained seedlings. Scale bars, 1 cm.

(d) Trypan blue-stained leaves. Scale bars, 1 cm.

(e) Map-based cloning of *SOM430*.

(f) *som430* homozygotes are embryonic lethal. Scale bars, 1 cm.

(g) Transcript levels of *SOM430* in indicated plants, revealed by qRT-PCR using *Actin* as reference. Values are means $\pm$ SD ($n = 3$), and different letters at top of each column indicate a significant difference at $P < 0.05$ determined by Tukey's HSD test.

(h) Protein levels of *SOM430* in indicated plants, detected by immunoblotting with anti-SOM410 polyclonal antibodies.

(i) Comparison of total cellular MDH activities in indicated plants. Values are means $\pm$ SD ($n = 6$), and different letters at top of each column indicate a significant difference at $P < 0.05$ determined by Tukey's HSD test.