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## Supplementary Material

### **A calcineurin B-like protein participates in low oxygen signalling in rice**

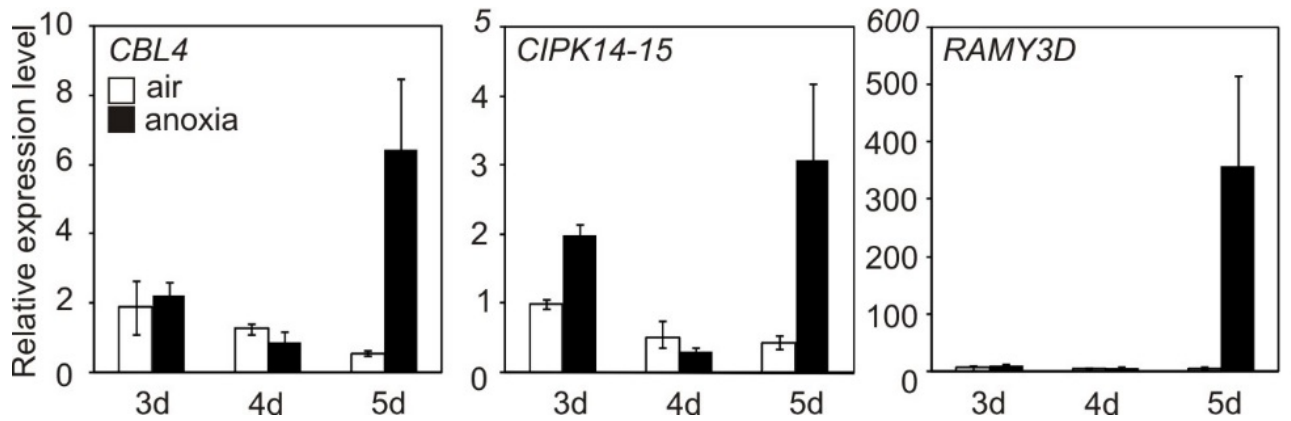
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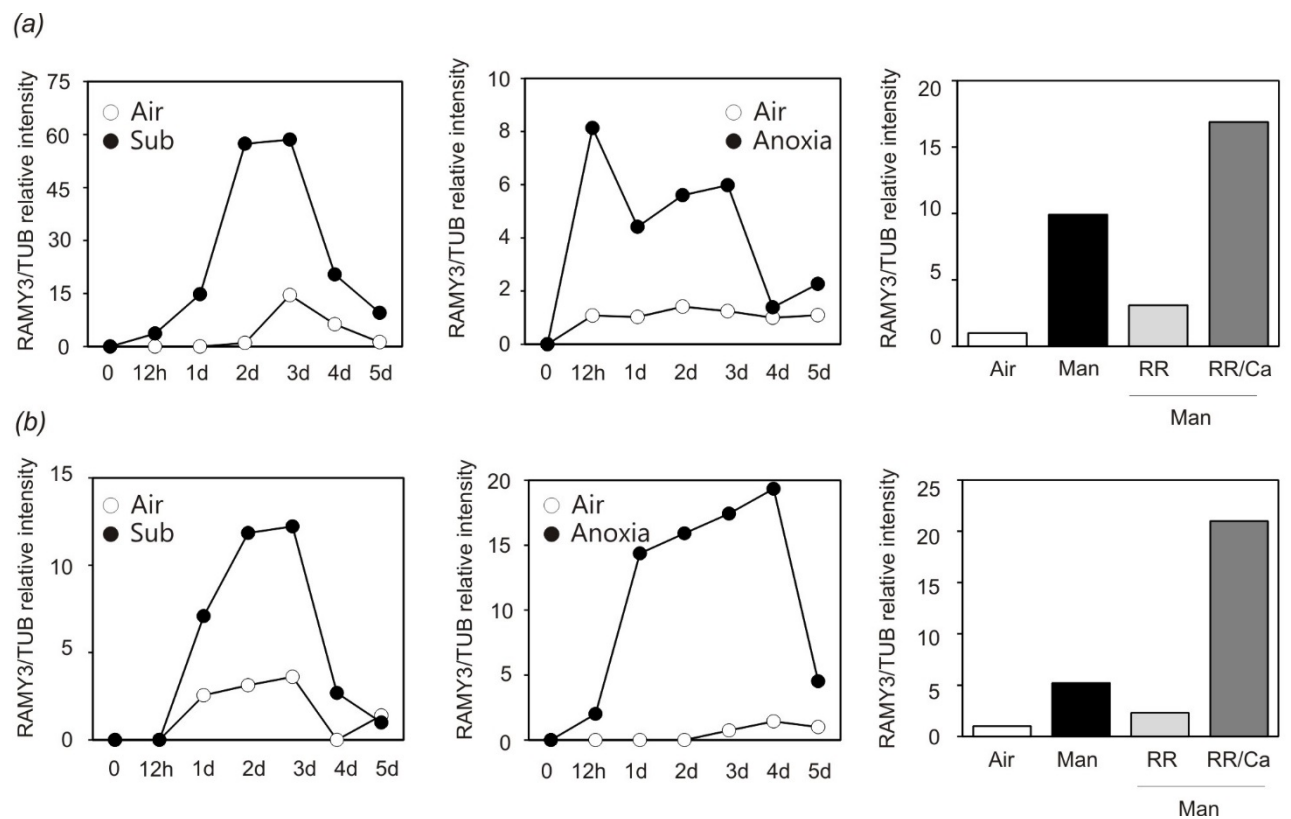
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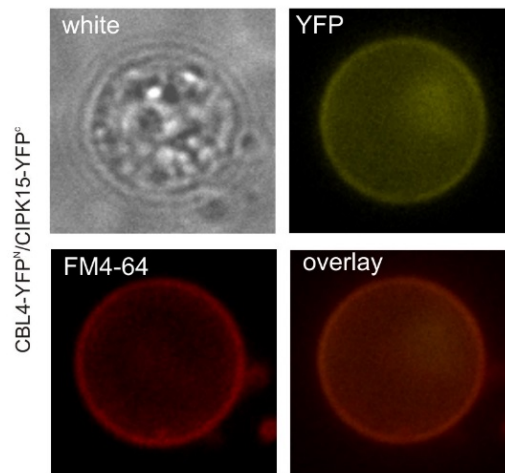


**Fig. S1.** *CBL4*, *CIPK14-15* and *RAMY3D* mRNA levels in germinating rice coleoptiles under anoxia. Error bars indicate SE of two biological replicates.

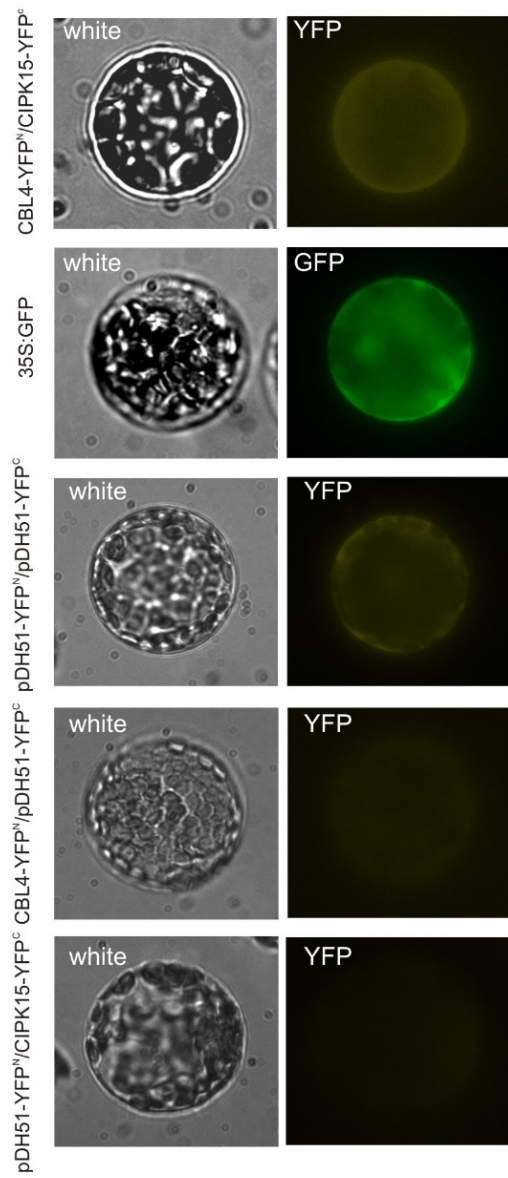


**Fig. S2.** Relative expression of RAMY3D protein from western blot of Figure 3 (a) and from an additional experiment (b). Post-transcriptional regulation of RAMY3D in endosperm-free germinating embryos under submergence and under submergence in mannitol or sucrose. Embryos were also maintained for 3 d under mannitol (Man), Man and ruthenium red (RR), Man, RR and CaCl<sub>2</sub> (RR/Ca). Quantification of immunoblotting results were performed using Image J Software.

(a)



(b)



**Fig. S3.** BiFC Analysis of the protein-protein interaction between CBL4 with CIPK15. CBL4 was fused to the N-terminus of YFP (CBL4:YFP<sup>N</sup>), while CIPK15 was fused to the C-terminus of YFP (CIPK15:YFP<sup>C</sup>). The constructs were co-transformed into rice protoplasts (*a*) and *Arabidopsis* ones (*b*). The pDH51-YFP<sup>N</sup> and pDH51-YFP<sup>C</sup> BiFC control plasmids were used as negative controls. The fluorescent marker FM4-64 was used to label the plasma-membrane in rice protoplasts. The pictures are representative of four replicate experiments for rice and two for *Arabidopsis*.