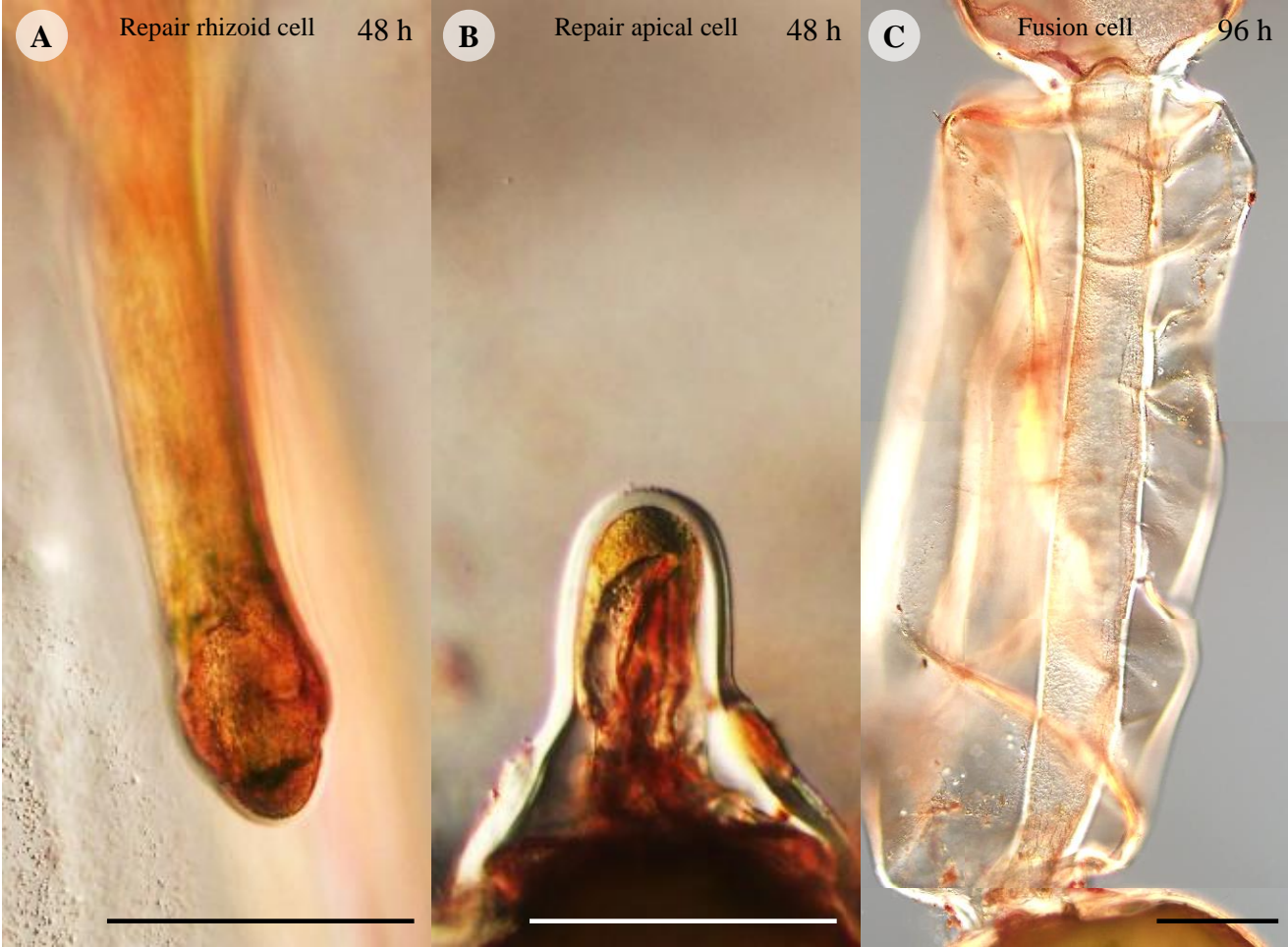
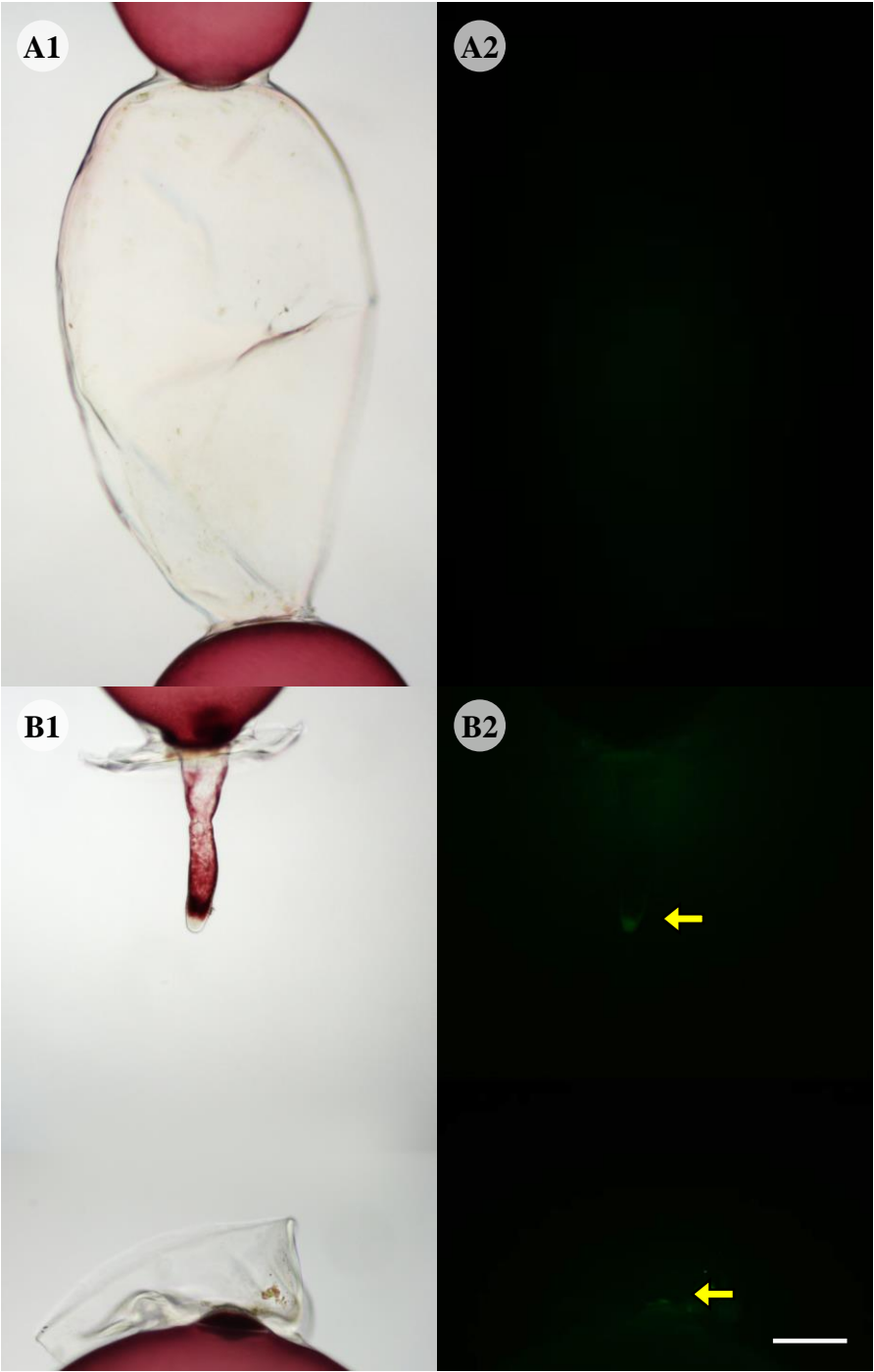
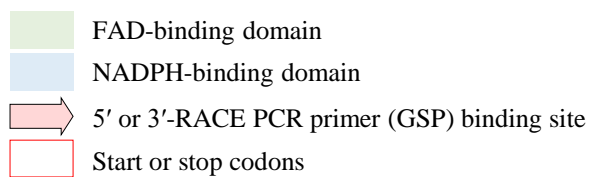
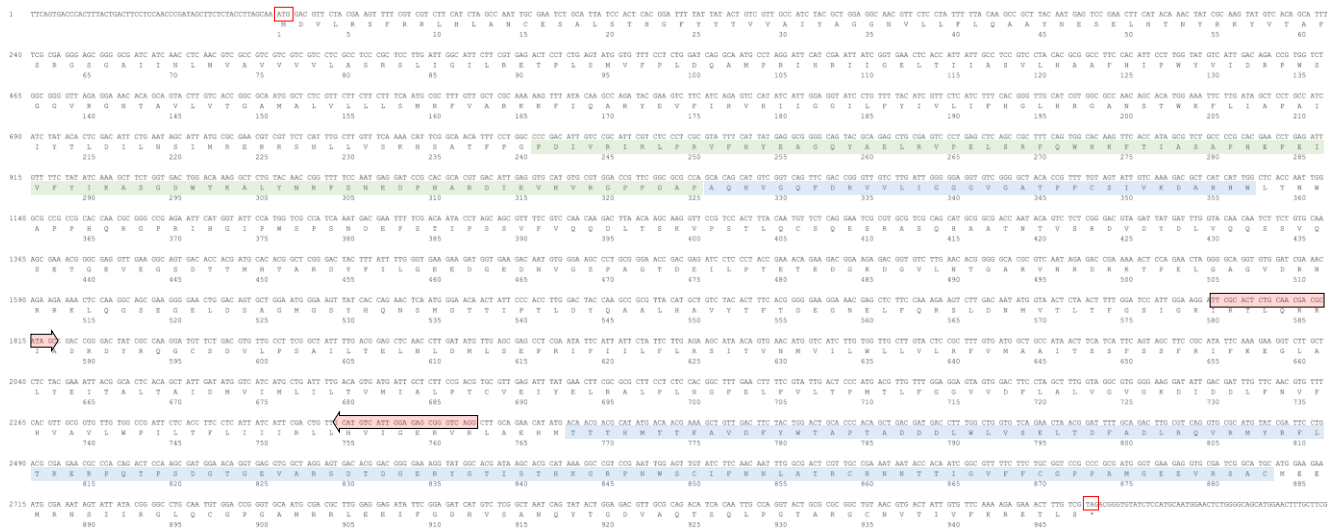


Supplementary Figure S1



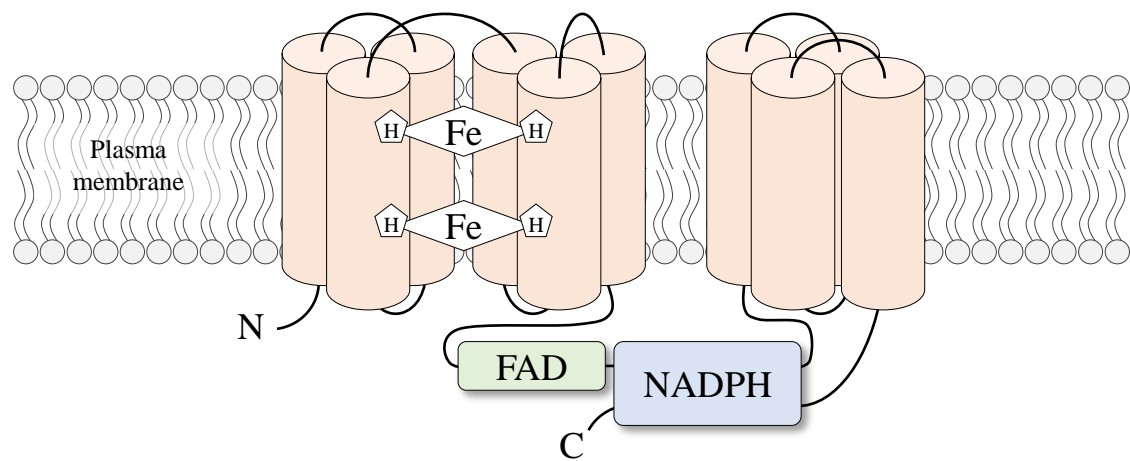
Supplementary Figure S2



GmRBOH1 $GmRBOH2$ 

Supplementary Figure S3

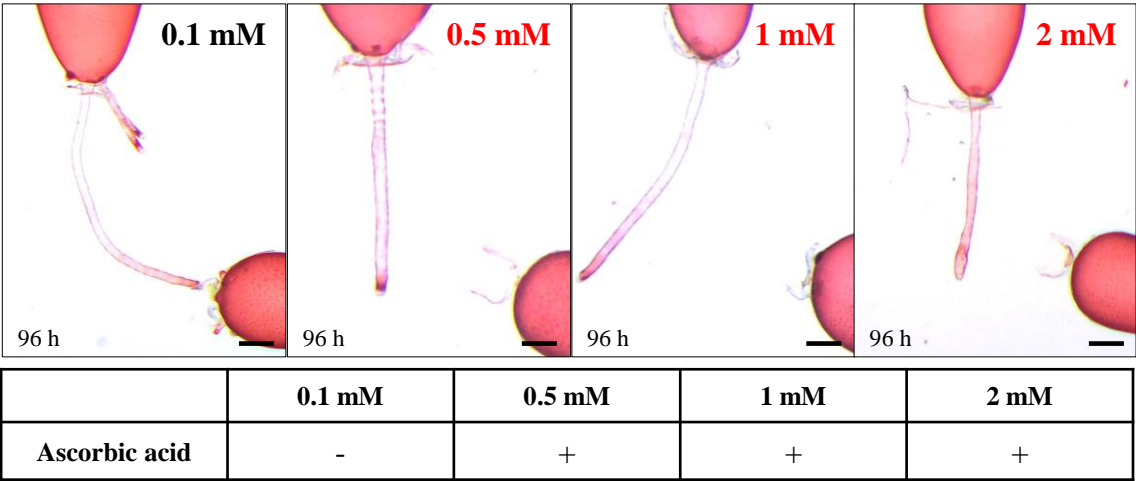
B



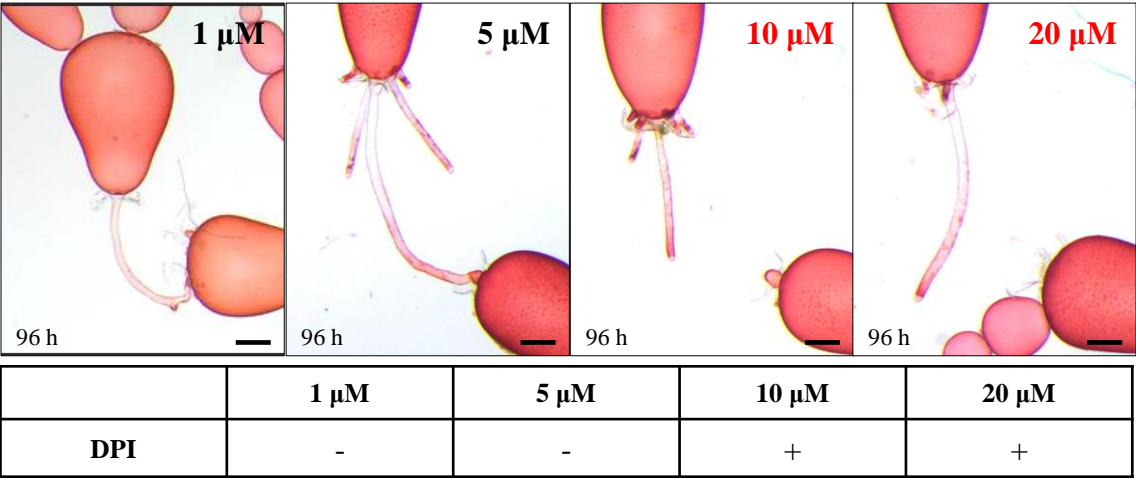
EF, EF hand; FAD, FAD-binding domain; H, Heme motif; NADPH, NADPH-binding domain; TM, transmembrane domain

Supplementary Figure S4

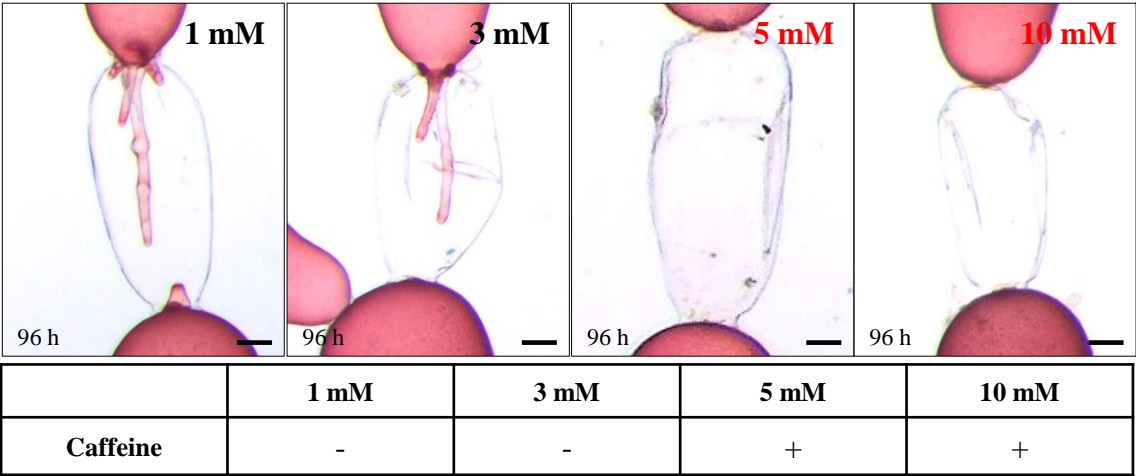
Ascorbic acid



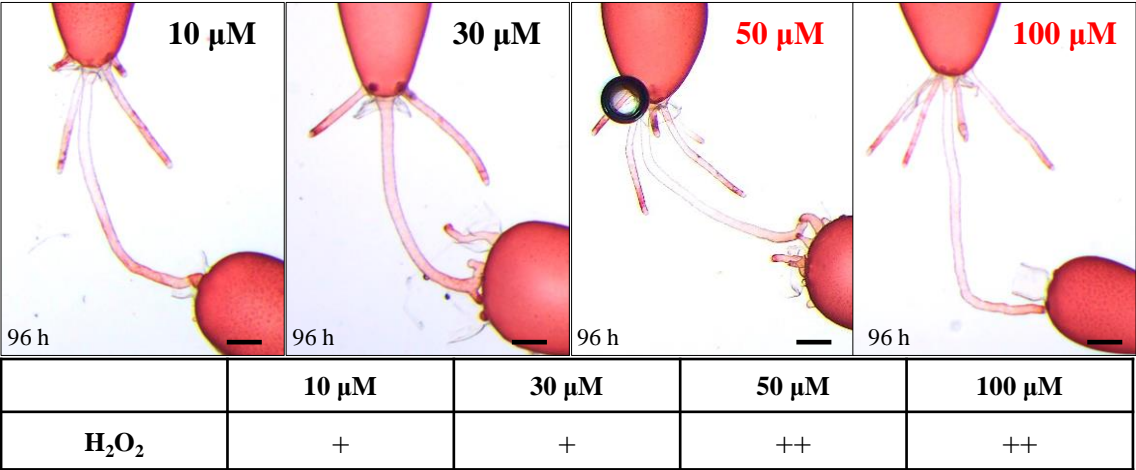
DPI



Caffeine



H₂O₂



Supplementary Table S1

Name	Sense primer	Antisense primer
GmRBOH1-5'-RACE-GSP		GATTACGCCAAGCTTCGACTCA AACACACCCAACCCACGC
GmRBOH1-3'-RACE-GSP	GATTACGCCAAGCTTACACCTC CTTCGCTACCTACGCCAG	
GmRBOH2-5'-RACE-GSP		GATTACGCCAAGCTTCCTGACC CGCTCTCCAATGACATGC
GmRBOH2-3'-RACE-GSP	GATTACGCCAAGCTTTTCGCAC TCTGCAACGACGCATAGC	
GmRBOH3-5'-RACE-GSP		GATTACGCCAAGCTTCGGAGGT GGAACTCGTGATGCAACG
GmRBOH3-3'-RACE-GSP	GATTACGCCAAGCTTCATCGCA GGCGCTGTCTTCTTCCAC	
GmRBOH4-5'-RACE-GSP		GATTACGCCAAGCTTGCACGGT CCACACAAAGTCCACCTC
GmRBOH4-3'-RACE-GSP	GATTACGCCAAGCTTTCCTGCA CGGCATGTTCAACTTCCG	
GmEF1A-qPCR	AGGTGGAGGATCCGGACTAC	CCCTCGCATTGCTTGAATCC
GmRBOH1-qPCR	GATTGAGCGTGCAGATGGAG	GTCAACTTCACACCCAAACG
GmRBOH2-qPCR	GAAATTACGGCACTCACAGC	GCGCGCGAAGTTCATAAATC
GmRBOH3-qPCR	CAGATGGACGGGATTTGCG	GTGATAAGCCCCTGGAAGTC
GmRBOH4-qPCR	GTTGTGGATGAGCGTGGAG	CACGGTCCACACAAAGTCC