

Supplementary Material

Developing and validating protocols for mechanical isolation of guard-cell enriched epidermal peels for omics studies

Fatemeh Rasouli^{A,B}, *Ali Kiani-Pouya*^{A,B}, *Heng Zhang*^B and *Sergey Shabala*^{A,C,D}

^ATasmanian Institute of Agriculture, College of Science and Engineering, University of Tasmania, Hobart, Tas. 7001, Australia.

^BShanghai Centre for Plant Stress Biology and CAS Centre for Excellence in Molecular Plant Sciences, Chinese Academy of Sciences, 201602 Shanghai, China.

^CInternational Research Centre for Environmental Membrane Biology, Foshan University, 528000 Foshan, China.

^DCorresponding author. Email: sergey.shabala@utas.edu.au

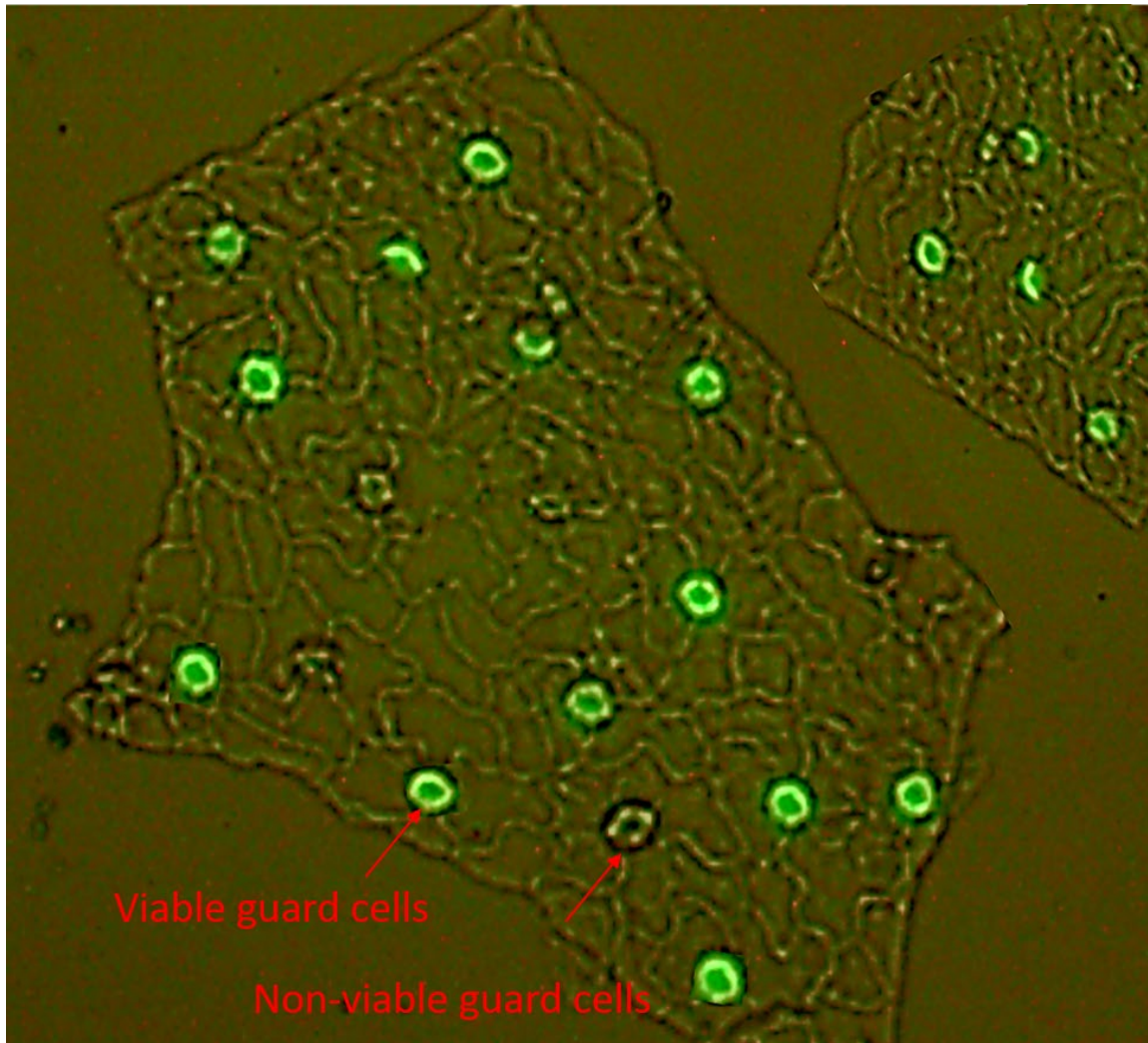


Fig. S1. Fluorescent signal only detectable in viable GCs, not in remaining pavement and non-viable guard cells.

Table S1.

Gene name	Gene ID	Forward primer	Reverse primer
ABI5	AUR62028537	GCAGGCCCTGGATGAAATTG	CTTGAGCTCTCTGTGCCCTG
DREB2C	AUR62030763	ACATGCAACCAACAGCTTCC	GCTCCATTACTCGAATGTGTC
NCED5	AUR62002735	CTTCACGGACATTCGGGGAT	ATGTTAGCTGACCTTGGTAGGG
LTI65	Bv3_055530_kzfa	TGCGTCAGATGTTACATGGGT	GTTGAAAATCGAGTCGGGCG
PS2	Spo26520	ATCAGCTTACGATGCTGGGT	TGTGTTGTCCCCTTCATTGGT