

Materials List for

Identification of the Genes Involved in Stomatal Development *via* Epidermal Phenotype Scoring

Pooja Kaushik^{*1}, Kritika Bharti^{*1}, Jin Suk Lee¹

¹Department of Biology, Concordia University

*These authors contributed equally

Corresponding Author

Jin Suk Lee

jinsuk.lee@concordia.ca

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jove.com/video/64899

Materials

Name	Company	Catalog Number	Comments
18 mm x 18 mm cover slip	VWR	16004-326	
24-well sterile plates with lid	VWR	CA62406-183	
3M Micropore surgical tape	Fisher Scientific	19-027-761	Microporous surgical paper tape used to seal MS plates
76 x 26 mm Microscope slide	TLG	GEW90-2575-03	
Acetic acid, ≥99.8%	Fisher Scientific	A38-212	
Agar	BioShop	AGR001.1	
Bleech	Household bleach (e.g., Clorox)		
Confocal microscope	Nikon		Nikon C2 operated by NIS-Elements
Ethanol	Greenfield	P210EAAAN	
FIJI	Open-srouce	(Fiji Is Just) ImageJ v2.1/1.5.3j	Downloaded from https://imagej.net/software/fiji/
Forceps	Sigma-Aldrich	F6521	
Gamborg's vitamin mixture	Cassson Labs	GBL01-100ML	Store at 4 °C
Glycerol	Fisher Scientific	G33-4	
Growth chambers	Conviron, model E15		16h light cycle, set at 21°C with a light intensity of 120 μmol·m ⁻² ·s ⁻¹ .
Lights	HD Supply	25272	Fluorescent lights in growth chambers, Sylvania F72T12/CW/ VHO 72"T12 VHO 4200K
Microcentrifuge tube	Fisher Scientific	14-222-155	Tubes in which <i>Arabidopsis thaliana</i> seeds are placed to perform sterilization
Microscope	Nikon		Nikon Eclipse TIE equipped with a DsRi2 digital camera
Murashige and Skoog basal salts	Cassson Labs	MSP01-1LT	Store at 4 °C
Petri Dish 100 mm x 20 mm	Fisher Scientific	08-757-11Z	Petri dishes in which MS media is poured for the purpose of growing <i>Arabidopsis thaliana</i>
Propidium Iodide	VWR	39139-064	

Scalpel	Fisher Scientific	08-916-5A	
Sucrose	BioShop	SUC700.5	
Toluidine blue O	Sigma-Aldrich	T3260-5G	
Tris base	Sigma-Aldrich	T1503	
Triton X-100	Sigma-Aldrich	T8787-100ML	
β -Estradiol	Sigma-Aldrich	E2758	