

Materials List for:

Plant Promoter Analysis: Identification and Characterization of Root Nodule Specific Promoter in the Common Bean

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URL: <https://www.jove.com/video/56140>

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Materials

Name	Company	Catalog Number	Comments
Primers for qRT-PCR assay			
pNIN Forward	CACC ATA GCT CCC CAA AAT GGT AT		
pNIN Reverse	CAT CTT CCT TCC ACT AAC TAA C		
M13 Forward	GTA AAA CGA CGG CCA G		
M13 Reverse	CAG GAA ACA GCT ATG AC		
Name	Company	Catalog Number	Comments
REAGENTS			
pENTR/D-TOPO Cloning Kit	Invitrogen	K243520	
Gateway LR Clonase II Enzyme Mix	Invitrogen	11791100	
pBGWFS7.0	Plant systems biology	https://gateway.psb.ugent.be/vector/show/pBGWFS7/search/index/	
Platinum Taq DNA Polymerase	ThermoFisher Scientific	10966018	
DNeasy Plant Mini Kit	Qiagen	69104	
PureLink Quick Gel Extraction Kit	ThermoFisher Scientific	K210012	
Platinum Pfx DNA Polymerase	Invitrogen	11708013	
Certified Molecular Biology Agarose	Bio-Rad	1613102	
One Shot TOP10 Chemically Competent E. coli	Invitrogen	C404006	
NaCl	Sigma-Aldrich	S7653	
Tryptone	Sigma-Aldrich	T7293-250G	
Yeast extract	Sigma-Aldrich	Y1625-250G	
Bacteriological agar	Sigma-Aldrich	A5306-1KG	
Kanamycin sulfate	Sigma-Aldrich	60615-25G	
Spectinomycin sulfate	Sigma-Aldrich	PHR1441	
Ethyl alcohol	Sigma-Aldrich	E7023	
Bacteriological peptone	Sigma-Aldrich	P0556	
Calcium chloride	Sigma-Aldrich	C1016	
Nalidixic acid	Sigma-Aldrich	N8878	
Magnesium sulfate	Sigma-Aldrich	M7506	

Gel loading solution	Sigma-Aldrich	G7654	
Name	Company	Catalog Number	Comments
EQUIPMENT			
Thermocycler	Veriti Thermal Cycler	4375786	
Centrifuge	Sigma	Sigma 1-14K	
Gel documentation unit	Carestream	Gel Logic 212 PRO	
MaxQ SHKE6000 6000 Shaking Incubator - 115VAC	Thermo scientific	EW-51708-70	
Plant growth chamber	MRC	PGI-550RH	
Horizontal laminar air flow cabinet	Lumistell	LH-120	
Fluorescent microscope	Leica	DM4500 B	
Petridish	sym laboratorios	90X15	
Scalpel Blade	Fisher scientific	53223	
Falcon 15mL Conical Centrifuge Tubes	Fisher scientific	14-959-53A	
22 mL glass tubes	Thomas scientific	45048-16150	