

Supplemental Tables

Supplemental Table S1. Primers used in this study.

Primer Name	Sequences (5'-3')	Annotation
dISIPG49-Fp	GATAGTACCAATGCAATATC	qPCR
dISIPG49-Rp	TCAAGTGTTGAATTCTAAAG	
CDSSIPG49-Fp	CTTGTGGGATTACATTGAGTTT	Cloning
CDSSIPG49-Rp	AAAAC TGGCCTCCAGGAAAT	
Ubi3-Fp	TCCATCTCGTGCTCCGTCT	qPCR
Ubi3-Rp	CTGAACCTTTCCAGTGTCAT	
yxSIPG49-Fp	GGACGAGCTGTACAAGATGAATCGTTGGGTTGGGTC	Subcellular localization of SIPG49
yxSIPG49-Rp	TAACTCTCTAGACTCACTTATGCGACCACCATCATTT	
yzPFGC-Fp	GACACGCTCGAGTATAAGAGC	
yzPFGC-Rp	GGCGTCTCGCATATCTCAT	
yhSIPG49-Fp	AGGATTT CAGAATTCGGATCCGAGACATGCTCGGGGATAGT	Enzyme activity of SIPG49
yhSIPG49-Rp	ACGACGGCCAGTGCCAAGCTTTTATGCGACCACCATCATTT	
yzpMAL-Fp	TGCGTACTGCGGTGATCAAC	
yzpMAL-Rp	CTGCAAGGCGATTAAGTTGG	

Supplemental Table S2. Sequences used in this study.

Sequence Name	Accession ID
LePG1	NP_001233795
LePG2	NP_001234533
LePG3	AAC28902
LePG4	AAB09576
LePG5	NP_001332848
LePG6	NP_001307818
LePG7	NP_001234021
BoPG1	KAF3510442
AtPG1	NP_187439
AtPG2	CAA0382367
GhPG	NP_001314388
PpPG1	P48979
CmPG	NP_001284460
BnPG1	NP_001302875
BnPG2	NP_001303181
BnPG3	NP_001302918
BcMF9	ABN13878
BcMF2	XP_009109724
BcMF6	ACP74159
BcMF16	XP_033148219
BcMF17	XP_009124086
PpPG2	BAH56488
MdPG	P48978
AtPG3	NP_191310
AtPG4	NP_850359
AtPG5	NP_001326987
AtPG6	NP_179968
CrPG	XP_006295548
GmPG	KRH35239
LcPG	AFW04075
MtPG1	RHN81761
RcPG	XP_002513653
BcMF23	RID66272
MtPG3	XP_003617998
NtPG	Q05967
FaPG	ABE77145
ZmPG	NP_001105432
SIPG49	XP_004245522