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G D F H N M G H V F I S Y S H D P D H R

II

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Fig.1(3) in the Supporting information

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III

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Fig.2(1) in the Supporting information

WYFREDLGINLHHWHWHLVYPFEAG---	DRAIVNKDRRGELFYMHQQ	Bc_PPO1
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WYFREDLGINLHHWHWHLIYPFEAG---	DRAIVNKDRRGELFYMHQQ	Bl_PPO2
WYFREDLGINLHHWHWHLVYPFEAG---	DRSIVNKDRRGELFYMHQQ	Bo_PPO2
WYFREDLGINLHHWHWHLVYPFEAG---	NRDVVNKDRRGELFYMHQQ	Cc_PPO2
WYFREDLGINLHHWHWHLIYPFEAG---	DRAIVNKDRRGELFYMHQQ	Nb_PPO
WYFREDLGINLHHWHWHLVYPFEAS---	DRSIVDKDRRGELFYMHQQ	Db_PPO1
AYFREDIGVNMHHWHWHLVYP-NSG---	TREIINKDRRGELFYMHQQ	Bd_PPO1
AYFREDIGINLHHWHWHLVYPFDSA---	DRAIVNKDRRGELFYMHQQ	Hv_PPO1
AYFREDIGINLHHWHWHLVYPFDSA---	DRSIVNKDRRGELFYMHQQ	Sf_PPO1
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AYFREDIGVNSHHWHWHLVYPTTGP---	TEVVNKDRRGELFYMHQQ	Dm_PPO1
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Fig.2(2) in the Supporting information

LGNIMESSILSPNRSLYGDFHNLGHVFI SYSHDPDHRHLESFGVMGDSATAMRDPVFYRWHAYIDDIF	Bc_PPO1
LGNIMESSIISP NRSLYGDFHNMGHVFI SYSHDPDHRHLESFGVMGDSATAMRDPVFYRWHAYIDDIF	Zt_PPO1
LGNMMESSIVSPNRSLYGDFHNMGHVFI SYSHDPDHRHLESFGVMGDSATAMRDPVFYRWHAYIDDIF	Bl_PPO2
LGNMMESSIVSPNRNLYGDFHNMGHVFI SYSHDPDHRHLESFGVMGDSATAMRDPVFYRWHAYIDDIF	Bo_PPO2
LGNMMESSIVSPNRRLYGDFHNMGHVFI SYSHDPDHRHLESFGVMGDSATAMRDPVFYRWHAYIDDIF	Cc_PPO2
LGNILESSITSVNRSLYGDLHNMGHVFI SYAHDPDHRHLESFGVMGDSATAMRDPVFYRWHAFVDDMF	Nb_PPO
LGNIMESSILSPNRTLYGDLHNF GHVFI SYSHDANNKHLESFGVMGDSATAMRDPAFYRWHAYVDRVF	Db_PPO1
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LGNMMESSILSPNRPFYGDLHNMGHVFI SYAHDPDHRNLEQFGVMGDSATAMRDPIFYRWHAYVDDL F	Pr_PPO1
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LGNMLEASILSPNRELYGSIHNNGH SFAAYMHDPTHRYLESF GVIAD EATTMRDPFFFRWHAWIDDT C	Sl_PPO
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LGNMIESILSPNRTFYGDMHNMGHVFI SYVHDPDHRHLESFGVMGDSATAMRDPIFYRWHSYIDDI F	Tm_PPO
LGNIMESSELSPNRQLYGNLHGFGHLMLSYIHD PRSHHLEPFGVIGDFTTAMRDPIFYRWHAFVDDVF	Hd_PPO1
LGNMIDASILSVNPNLYGDLHNLGHVMMGFCHDP DARHLETFGV IADPATALRDPLFYRWHAFIDGIF	As_PPO1
LGNLMEPSSL SINRQYYGSYHG N LHNIIAYSHDPEGRFLEGYGVVGEFQTAMRDPTFYRLHAQVDNMF	Aa_PPO
LGNIMEPSSLSVNRQYYGSYHG N LHNIIAYSHDPEGRFLEGYGVMGDVTTAMRDPIFYRWHGMIDGIF	Ag_PPO1
LGDVVEASSLTPNAQLYGS LHNMGHNV IAYVHDPDYRYLED FGVMGDVTTAMRDPIFYRWHGFIDTVF	Dm_PPO1

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Fig.3 in the Supporting information

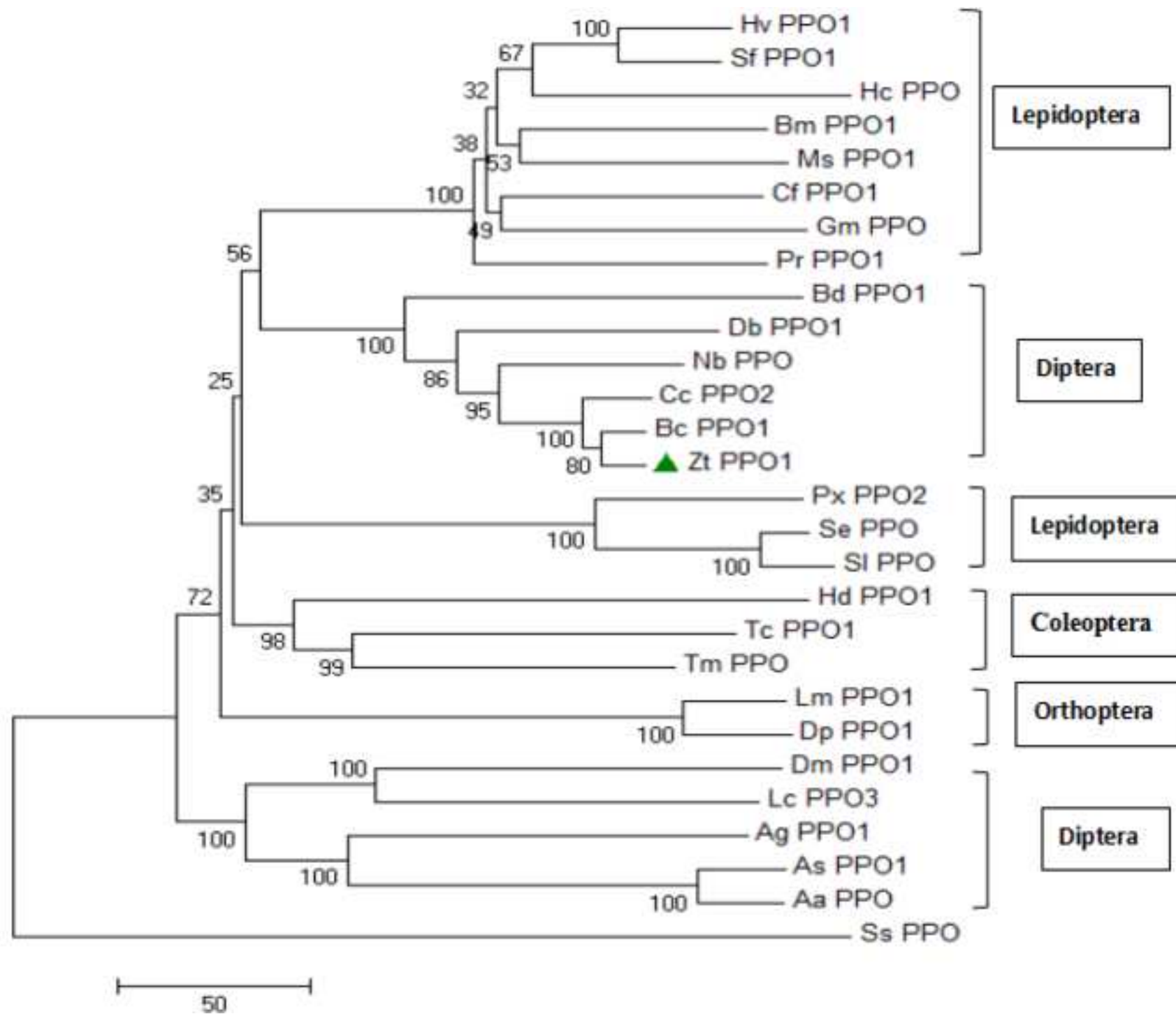


Table 1 in the Supporting information

Genes	Primers	Size
EF- α	F: GCTTTCGTGCCAATCTCCG	112
	R: TGCCTTCAGCATACCTTCCTTA	
β -actin	F: ATCTGGCATCACACTTTCTAC	109
	R: GTCA TCTTCTCACGGTTAGC	
ZtPPO1	F: GAATCTTTCGGCGTAATGGG	117
	R: GTATGGAGGAAGGCG GGTCT	
dsRNAi-PPO1-1	T7PO1-SP:GGATCCTAATACGACTCACTATAGGAG CAGATGAGCGTGGACAGG	368
	PO1-AP-CACAATAAGAG GCTGCGTCG	
dsRNAi-PPO1-2	PO1-SP:AGCAGATGAGCGTGGACAGG	368
	T7PO1-AP:GGATCCTAATACGACTCACTATAGGCA CAATAAGAGGCTGCGTCG	
dsGFP-PPO1	F:TAATACGACTACCTATAGGGCAGTTCTTGTTGA ATTAGATG	435
	R:TAATACGACTACCTATAGGGTTTGGTTTGTCTC CCATGATG	

Table 2. Protein concentrations of the samples used in kojic acid treatment

Samples	Control (mg/mL)	Kojic acid (mg/mL)
Larvae	0.077	0.077
Cuticles	0.62	0.086

Table 3. Kinetic parameters of PO in the presence of kojic acid

Index	Inhibitor concentration (mmol/L)	Data (mmol/L)
V_{max}	(0-1.2)	370.37
K_m	0	13.70
	0.2	9.48
	0.4	6.26
	0.8	4.41
	1.2	2.54
K_I	~	0.27