

Supplementary Information

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Functional Analysis of Esterase *TCE2* Gene from *Tetranychus cinnabarinus* (Boisduval) involved in Acaricide Resistance

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Table S1. Primers used for RNAi, heterologous expression and qPCR

Genes	GenBank No.	Experiments	Primer names and sequences (5' to 3')	Product length (bp)	Amplification efficiency (%)
GFP	ACY56286	RNAi	F:taatacgactcactatagggGCAGTTCCTGTTGAATTAGATG R:taatacgactcactatagggTTTGGTTTGTCTCCCATGATG	476	-
		RNAi	F:taatacgactcactatagggTCGGCGGCAATCCTGATCAA R:taatacgactcactatagggTCACAGGGTAAAATTCAGCA	313	-
TCE2	EU130462	Heterologous expression	F: CCGGAATTCGATGTAAGTGAGGAACCAAC R: CCGCTCGAGTCAAAGTTCATCATGGT	1614	-
		qPCR	F: CCATCCAAAACACCGATTTTC R: CTTCCCAAGCATTTCATCAT	161	91.3
RPS18	FJ608659	qPCR	F: ACGTGCTGGTGAACCTTACCGAAGA R: TGCCTATTCAAGAACCAAAGTGGG	99	98.5
α -TUB	FJ526336	qPCR	F:ACTACGCTCGTGCCACTATACAA R:ACCAGATCCAGTTCACCTCCAAA	140	97.4

Underlines indicate EcoR I and Xba I restriction enzyme cutting sites