

Supplementary Information

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Address Correspondence to:

Dr. Lin He

Key Laboratory of Entomology and

Pest Control Engineering

College of Plant Protection

Southwest University

Chongqing, China

Phone: +86-23-68251541

Fax: +86-23-68251514

E-mail :helinok@vip.tom.com

Dr. Qiang Xu

Department of Biology

ACU Box 27868

College of Arts and Sciences

Abilene Christian University

Abilene, Texas 79699 U.S.A.

Phone: +1-325-674-4883

Fax: +1-325-674-2009

E-mail : qxx07a@acu.edu

Silencing NADPH-cytochrome P450 reductase results in reduced acaricide resistance in *Tetranychus cinnabarinus* (Boisduval)

Li Shi¹, Jiao Zhang¹, Guangmao Shen¹, Zhifeng Xu¹, Peng Wei¹, Yichao Zhang¹, Qiang Xu^{*2} and Lin He^{*1}

¹Key Laboratory of Entomology and Pest Control Engineering, College of Plant Protection, Southwest University, Chongqing, China;

²Department of Biology, Abilene Christian University, Abilene, Texas, U.S.A.

* To whom correspondence should be addressed

Table S1. Primers used for gene cloning, RNAi and qRT-PCR analysis

Genes	GenBank No.	Primer Function	Primer sequences (5' to 3')
<i>GFP</i>	ACY56286	RNAi	F: taatacactcactatagggGCAGTTCTTGTGAATTAGATG R: taatacactcactatagggTTTGGTTTGTCTCCCATGATG
<i>TcCPR</i>	KP710970	RNAi	F: taatacactcactatagggTGAAGCTGGAGATCATCTTG R: taatacactcactatagggATCCATTCAGAGTACAAGGC
<i>TcCPR</i>	KP710970	Cloning full length	F: ATGGAAGAATCGCCTAATCAAGGAT R: CTA ACTCCACACATCAGCAGAATAT
<i>TcCPR</i>	KP710970	qRT-PCR	F: GGGTGATGATGATGCAAACA R: ACGATAGGTGCCAAGAATGG
<i>CYP389B1</i>	KF770839	qRT-PCR	F: ACGAGCCATGAATCCGTTAC R: TGATCGGTGTGCTTCTCAAG
<i>CYP392A26</i>	KF770838	qRT-PCR	F: CGTGAACACAGACGGTTGTC R: GCGACCAAATAAAAGAGCTGA
<i>RPS18</i>	FJ608659	qRT-PCR	F: ACGTGCTGGTGA ACTTACCGAAGA R: TGCCTATTCAAGAACCAAAGTGGG
<i>α-TUB</i>	FJ526336	qRT-PCR	F:ACTACGCTCGTGGCCACTATACAA R:ACCAGATCCAGTTCCACCTCCAAA

Table S2. Sequences used for phylogenetic analysis

Genes	Gene ID or GenBank No.	Species
<i>AaCPR</i>	XP_001656715	<i>Aedes aegypti</i>
<i>OsCPR</i>	ACL01092	<i>Ochlerotatus sollicitans</i>
<i>AfCPR</i>	ABO77954	<i>Anopheles funestus</i>
<i>DmCPR</i>	AGB92664.1	<i>Drosophila melanogaster</i>
<i>MdCPR</i>	AAA29295	<i>Musca domestica</i>
<i>BmCPR</i>	NP_001104834	<i>Bombyx mori</i>
<i>RhCPR</i>	XP_002423980	<i>Pediculus humanus corporis</i>
<i>CfCPR</i>	EFN67037	<i>Camponotus floridanus</i>
<i>NiCPR</i>	KF591574	<i>Nilaparvata lugens</i>
<i>CiCPR</i>	AFD50507	<i>Cimex lectularius</i>
<i>HaCPR</i>	ADK25060	<i>Helicoverpa armigera</i>
<i>AgCPR</i>	AAO24765	<i>Anopheles gambiae</i>
<i>TuCPR</i>	tetur18g03390	<i>Tetranychus urticae</i>
<i>MoCPR</i>	XP_003740943	<i>Metaseiulus occidentalis</i>
<i>RpCPR</i>	JAA59930	<i>Rhipicephalus pulchellus</i>
<i>IsCPR</i>	XP_002400171	<i>Ixodes scapularis</i>
<i>BtCPR</i>	AAI03400	<i>Bos Taurus</i>
<i>RnCPR</i>	NP_113764.1	<i>Rattus norvegicus</i>
<i>HsCPR</i>	NP_000932	<i>Homo sapiens</i>