

**Supplementary Table S1.** Primers used in PCR and sequencing of *HvABCC3* and *HvABCC4*, and qPCR of *Rps18*, *HvABCC2*, *HvABCC3* and *HvABCC4* from *Heliothis virescens*.

Function	Target	Name	Sequence (5'-3')
Sequencing	<i>HvABCC3</i> gene	HvABCC3_5UTR3_F	GCGGAACTCTCCACATTGTC
		HvABCC3_526_R	CATCTTCATACCGAACTGCTGGC
		HvABCC3_356_F	GGCATCTCCATTGCTGTTTAGTC
		HvABCC3_1440_R	CAAAGCAGTGTCTGCTGGTATG
		HvABCC3_1331_F	ATCGCAAATCGGATGGAGC
		HvABCC3_2272_R	GGTTGCCTGACTGCCTCTCC
		HvABCC3_2153_F	GAAGCATTGATGAGAAGGACAGGC
		HvABCC3_3468_R	TATCAGGGAAGATTTGCCAGC
		HvABCC3_3377_F	AGCCCGTATTGAAGAACCTGAAC
		HvABCC3_3UTR3_R	TGCCTACTCTACATTACTATTACAAG
Sequencing	<i>HvABCC4</i> gene	HvABCC4_5UTR2_F	GGACTCTAAGCCCGAGGACAT
		HvABCC4_552_R	GAGTGAGCAGGCGGCGATG
		HvABCC4_464_F	TGTCGCTGGTCATCGCCTTC
		HvABCC4_1381_R	TGCACTCGAATCCAGGGTTG
		HvABCC4_1219_F	CGAGAGGATCTCCGCACTGTG
		HvABCC4_2080_R	CCCTGTGCTACTAATTCTGTCG
		HvABCC4_1970_F	TCCTCGTCACGCATCAACTC
		HvABCC4_2794_R	ATTATCGAGGGCTCCAATGTC
		HvABCC4_2673_F	CCGCAACCTCCACAACGAC
		HvABCC4_3611_R	CAACGTCGTCAATGAGCACTTC
		HvABCC4_3448_F	ACGCCCCGAAGACTTGCCAG
		HvABCC4_3UTR5_R	ACGAAACTACATAGAGAAGGACACTG
qPCR	<i>Rps18</i> gene	Rps18_Forw	ATGGCAAACGCAAGGTTATGTTT
		Rps18_Rev	TTGTCAAGATCAATGTCGGCTTT
	<i>HvABCC2</i> gene	HvABCC2_Forw	TGCGCTAGCCATGCTGGGACT
		HvABCC2_Rev	ACCGACACTTGAGTCATGCGGAGCA
	<i>HvABCC3</i> gene	HvABCC3_Forw	CCACGGTGCACTGTATTGCC
		HvABCC3_Rev	CCGTCGTCTCAGCCAGTGAA
	<i>HvABCC4</i> gene	HvABCC4_Forw	GGCGAGCAAGCAGGGCCGTA
		HvABCC4_Rev	GCTAACGCCACTGGTTGGAAAGGC