

Table S1. RT-qPCR primer sequences of *Cnaphalocrocis medinalis* odorant binding proteins genes.

Primer	Sequence (5'-3')	Size (bp)
β -Actin-F	CGAGCGTGGTTACTCATTCA	20
β -Actin-R	ATGACTTCTCGAGCGAGCTG	20
CmedGOBP1-F	TGATCCACAACCTGCGAGAAG	20
CmedGOBP1-R	TCGGTCTGCATGATGAACTC	20
CmedGOBP2-F	GGTACTCTTGGGGCTGATGA	20
CmedGOBP2-R	TCCTCGTTCCAGAAATGCTT	20
CmedPBP1-F	TCTCCCAGACGCCATAAACA	20
CmedPBP1-R	TACTCGTGCGCATTTCCATG	20
CmedPBP2-F	TGGCCAATGTCAGAAGGAGT	20
CmedPBP2-R	CTGTCTGCTTGCCCTTATGC	20
CmedOBP1-F	GGGATGACAAGACAGCAGTTAA	22
CmedOBP1-R	TCATGTCCACCTGCTTCACC	20
CmedOBP6-F	ATTGGGCTGTTGGAGGAAGA	20
CmedOBP6-R	CGCTCGTGACTGTACATGTT	20
CmedOBP15-F	TTGGATCCTTGTTTCCTTGC	20
CmedOBP15-R	GGATCTCTCGCAGCCTTCTA	20
CmedOBP26-F	CGTAAGCATCGACGAGATCA	20
CmedOBP26-R	GCCCTCCTTACCATCAGACA	20

Table S2. RT-PCR primers for *Cnaphalocrocis medinalis* odorant binding protein genes.

Primer	Sequence (5'-3')	Size (bp)
CmedGOBP1-F	AAAAGGATCCATGCGCTTGGAGGCTGC	27
CmedGOBP1-R	TTTAAGCTTCTAGGCCTCGGTCTGCAT	27
CmedGOBP2-F	AAAAGAATTTCGGGAGTGAAGGAACAGA	27
CmedGOBP2-R	TTTAAGCTTCATCATAATCAGCATCAA	27
CmedPBP2-F	AAGGATCCATGTGGGCTAAAACG	23

CmedPBP2-R	TTAAGCTTCTACTGCATCTCAGCTACCA	28
CmedOBP1-L	AAGGATCCATGGATGGAAAAAATCTTCC	28
CmedOBP1-R	TTAAGCTTTCAAGGAAATACGAAGTTTT	28
CmedOBP6-L	AAGGATCCATGGGTTCCCCCTCATTCTC	28
CmedOBP6-R	TTAAGCTTTTAAGTTTTTTGGCCGCCTG	28
CmedOBP15-L	AAGAATTCATGTTGAAGTTGGTTTTTCAC	28
CmedOBP15-R	TTAAGCTTTCACCACATTCCTGTACCAG	28
CmedOBP26-L	AAGGATCCATGATGAAGTTTAATTTACT	28
CmedOBP26-R	TTAAGCTTTCAACGACGACGGGCTTCAG	28

The italic sequences are the restriction sites of *Bam*HI (GGATCC), *Eco*RI (GAATTC), and *Hind*III (AAGCTT).

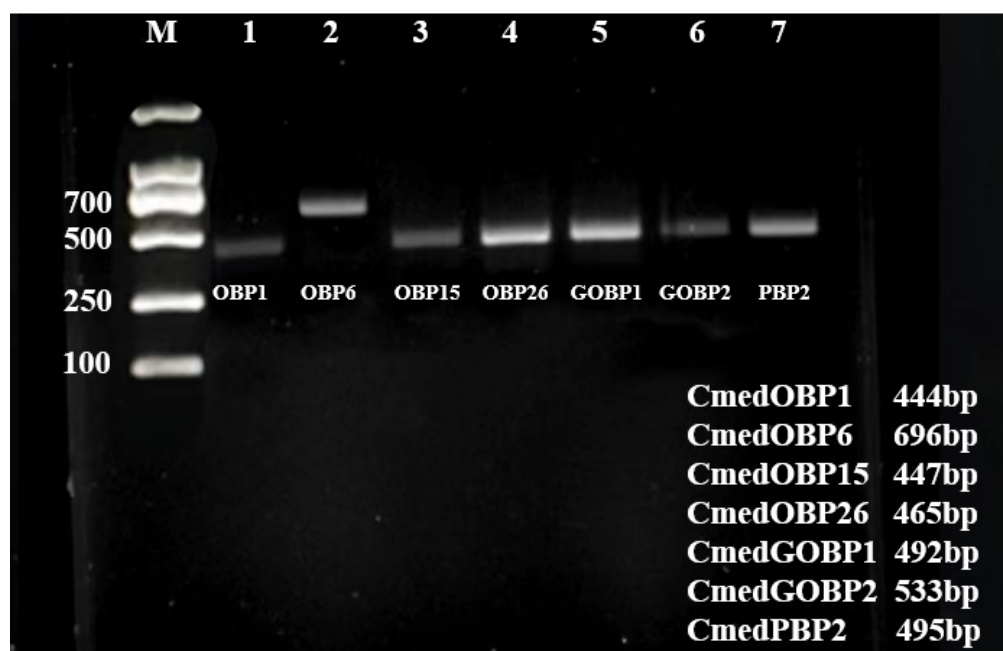


Figure S1. Identification of amplification bands of *Cnaphalocrocis medinalis* odorant binding proteins genes by agarose gel electrophoresis.

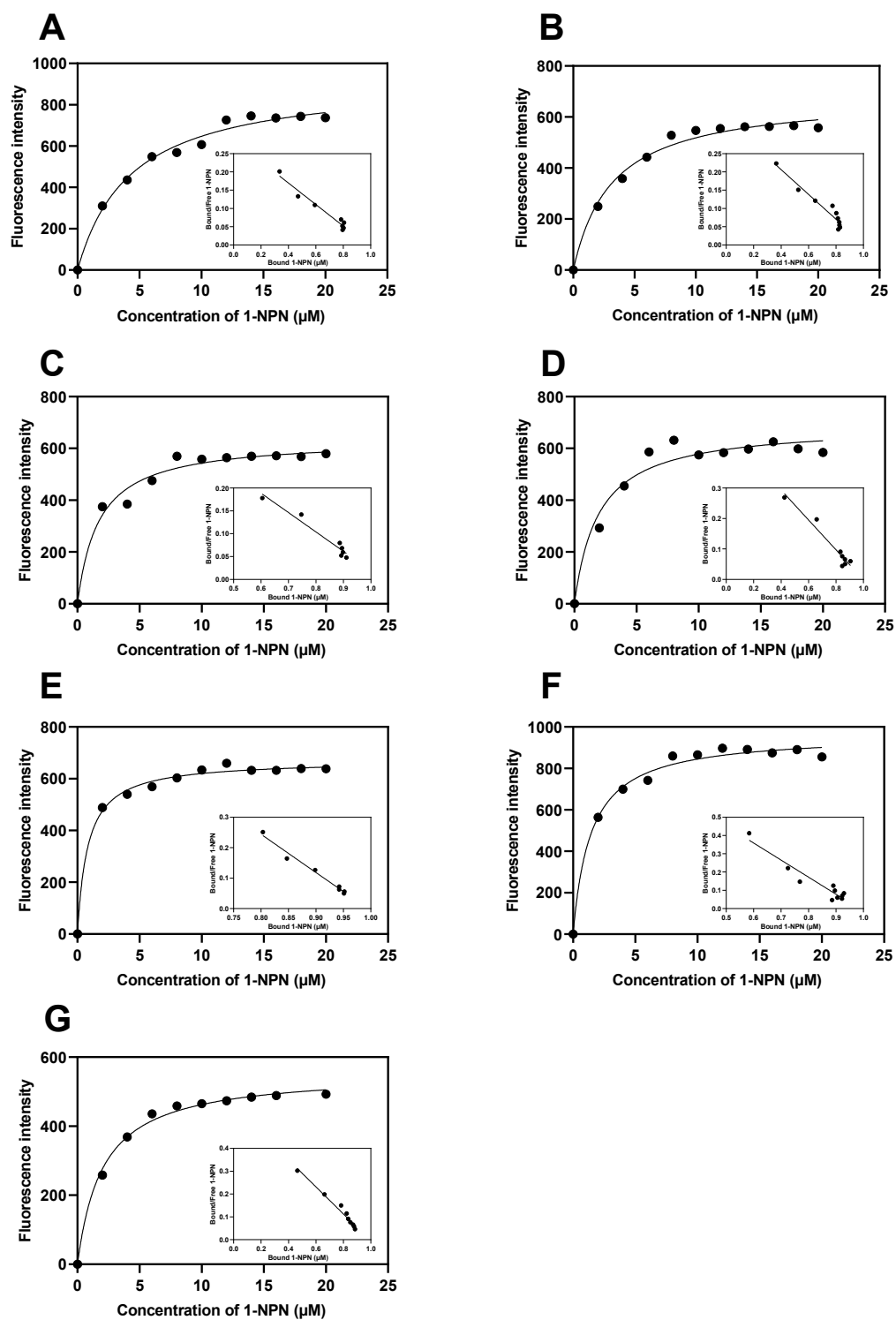


Figure S2. The binding curves and the Scatchard equations of N-phenyl-1-naphthylamine (1-NPN) and *Cnaphalocrocis medinalis* odorant binding proteins (CmedOBPs). A–G The binding curves and the Scatchard equations of 1-NPN and (A) CmedGOBP1, (B) CmedGOBP2, (C) CmedPBP2, (D) CmedOBP1, (E) CmedOBP6, (F) CmedOBP15, and (G) CmedOBP26.