

Supplementary Information

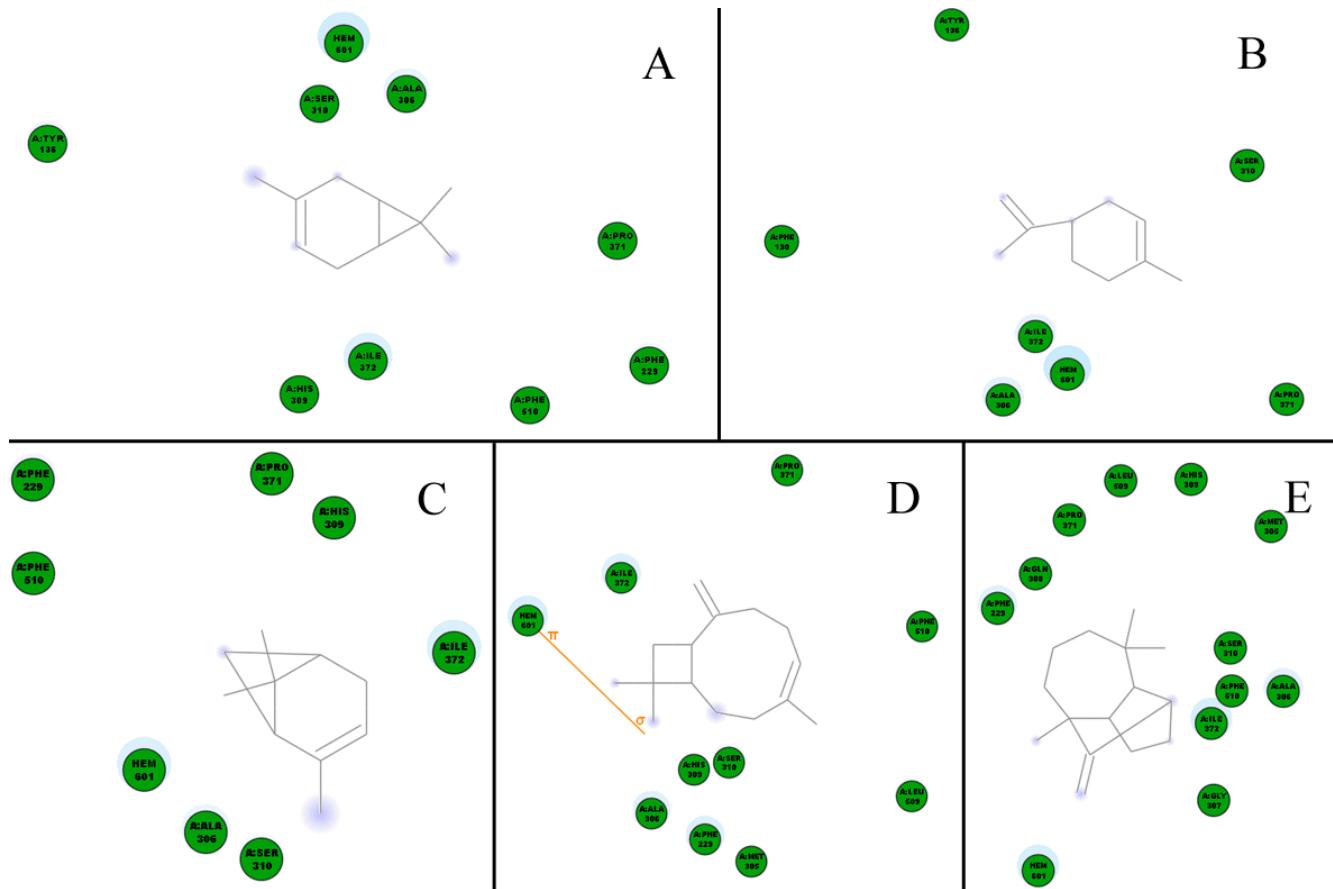


Figure S1. 2D diagram of the interaction between protein and ligands showed: limonene (**A**); carene (**B**); pinene (**C**); β -caryophyllene (**D**) and longifolene (**E**). Green dot: amino acids for VDW interactions. Blue shadow: solvent around the amino acids and atoms. Orange line: Pi-Sigma interaction.

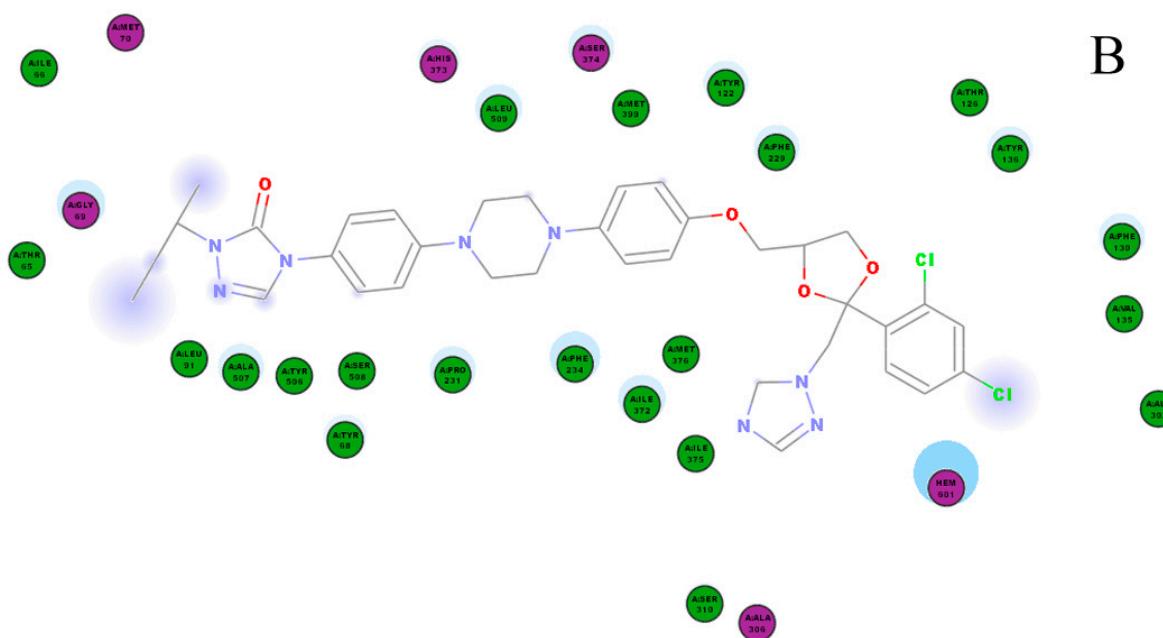
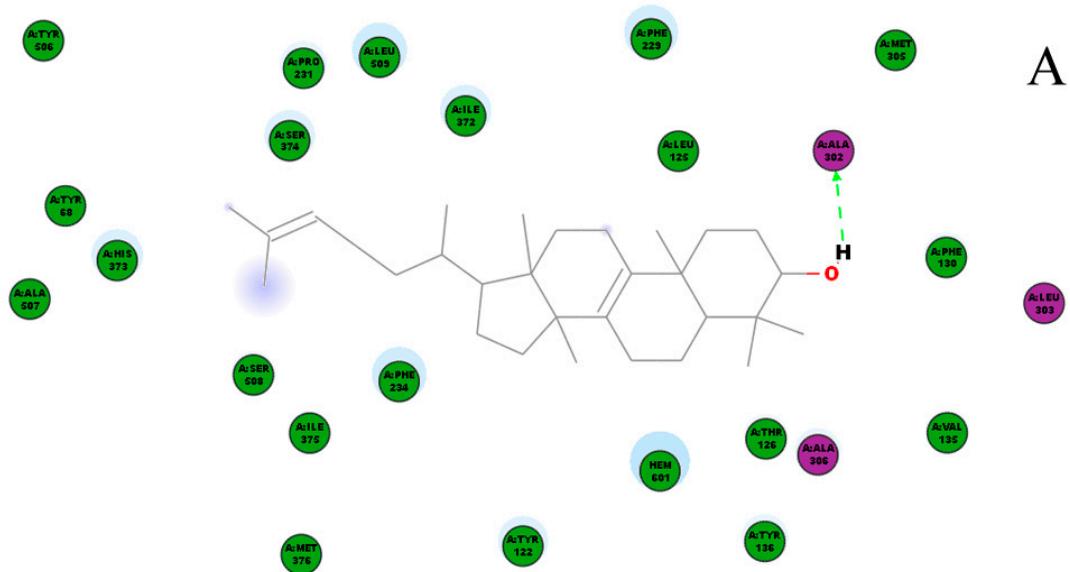


Figure S2. 2D diagram of the interaction between protein and ligands showed: (A) lanosterol and (B) ITC. Purple dot: amino acids for hydrogen bond, static electricity and polarity interactions. Green dot: amino acids for VDW interactions. Blue shadow: solvent around the amino acids and atoms. Green arrow: electron donor for hydrogen bond.

Table S1. Primers used in this study.

Gene	Primer	Sequence(5'-3')
<i>CYP51</i>	Degenerate	F- TYATGGAGCAGAAGAAAGTT R- RAGRAGVGCRATCATCAT
<i>CYP51F1</i>	3'RACE	GSP- CATCATCTCGGAAGAGGGTCAACAGC NGSP- GGAACCAAGTATGTTGTGCCTACCAGC
	5'RACE	GSP- AGCCCATTGCCAGGTCTGGTAC NGSP- AACTGGTTGCGGACCTCCTTGC
	Full-length validation	F- AGCCCGTGGACAGACACTTG R- GATTAAAAGGCGTGTACGGATT
	RT-qPCR	F- TTCAAGAACCCGACGAGCCA R- GCCGAGCAGGACGAAAGAGTA
<i>28s rRNA</i>	Amplification	F- AGCGAACTGCGATAAGTAATG R- TTCACAAAGGCTAGGTGTCC
	RT-qPCR	F- AGCTGTTGCCGCTTCACTCG R- GGTTGACCTCGGATCAGGTAGG
<i>EF1</i>	Amplification	F- GCTGCTGTCCGTGTGAA R- GGTTGTAGCCGACCTTCTT
	RT-qPCR	F- CTTGGTGGTGTCCATCTTGT R- CCGCTGGTACGGGTGAGTT
<i>Calmodulin</i>	Amplification	F- CAGGCCAAATCACCA R- TCCTCGTCCGTAGCTTCT
	RT-qPCR	F- CCAAATCACCACCAAGGAGC R- GTGCCATCATCGTGAGGA

F = forward primer, R = reverse primer; GSP = Gene Special Primer, NGSP = Nest Gene Special Primer.