

Biological efficacy of compounds from stingless honey and sting honey against two pathogenic bacteria: an in vitro and in silico study

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Table S1: Molecular docking of Stingless honey compounds and the bacterial targeted protein (6d5z).

SL No	Compound Name	CID	MW	Docking Score
1.	Furfural	7362	96.08	-4.0
2.	Furfuryl Alcohol	7361	98.10	-3.9
3.	2-Hydroxy-2-cyclopenten1-one	82674	98.10	-4.2
4.	Methyl succinic anhydride	20051	114.10	-4.5
5.	2-Furancarboxaldehyde, 5-methyl	12097	110.11	-4.1
6.	2,4-Dihydroxy-2,5-dimethyl-3(2H)-furan 3-one	538757	144.12	-5.4
7.	furan-2,5-dicarboxaldehyde	69980	124.09	-4.1
8.	4H-Pyran-4-one,2,3-dihydro-3,5-dihydroxy-6-methy	119838	144.12	-4.8
9.	4H-Pyran-4-one,3,5-dihydroxy-2-methyl	70627	142.11	-4.8
10.	5-Formyl-2-furfurylmethanoate	58489131	140.14	-4.6
11.	2-Furancarboxaldehyde,5-(hydroxymethyl) (furan derivative)	237332	126.11	-4.3
12.	beta.-D-Glucopyranose,1,6-anhydro	13037722	162.14	-5.2

Table S2: Molecular docking of sting honey compounds and the bacterial targeted protein (6d5z).

SL. No	Compound Name	CID	MW	Docking Score
1.	Furfuryl Alcohol	7361	98.1g/mol	-3.9
2.	2-Hydroxy-2-cyclopenten 1-one	62752	126.15g/mol	-4.8
3.	2,4-Dihydroxy-2,5-dimethyl 3(2H)-furan-3-one (furan)	538757	144.12 g/mol	-5.4
4.	4H-Pyran-4-one,2,3-dihydro 3,5-dihydroxy-6-methyl	119838	144.12 g/mol	-4.8
5.	2-Furancarboxaldehyde, 5	24354	100.12 g/mol	-3.7
6.	Decycltetraglycol	526715	334.5g/mol	-4.4
7.	Tetra ethylene glycol monododecyl ether	78933	362.5 g/mol	-4.1



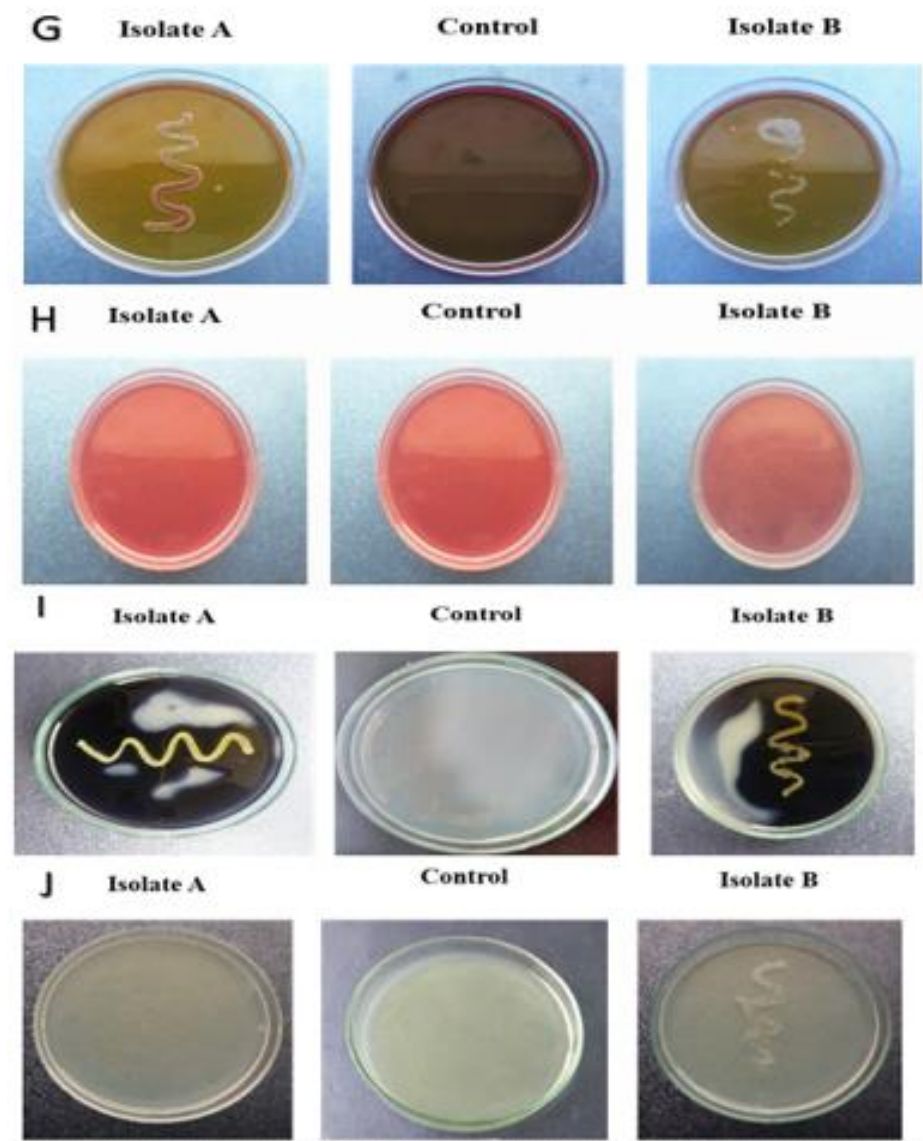


Fig S1. Morphological test; Mortality test (A). Biochemical test of isolate A and isolate B. Urease hydrolysis test (B), Methyl red test (C), TSI test (D), Simmons citrate test (E), Catalase test (F), EMB agar (G), Mannitol salt agar (H), Bismuth sulfide agar test (I) and Starch agar test (J).