**Supplementary Material 1.** The sequences of different primers used for the qPCR based analysis of apoptosis and antioxidant gene expression. The apoptotic marker genes were caspases and apaf-1; whereas, the Nrf-2 and haeme oxygenase-1 are the antioxidant genes. The internal standard used was the beta actin.

|  |  |  |
| --- | --- | --- |
| **Gene** | **Direction** | **Sequence** |
| Caspase-3 | Forward | 5′-GTGGAACTGACGATGATATGGC-3′ |
| Reverse | 5′-CGCAAAGTGACTGGATGAACC-3′ |
| Caspase-7 | Forward | 5’- GGACCGAGTGCCCACTTATC-3’ |
| Reverse | 5’-TCGCTTTGTCGAAGTTCTTGTT-3’ |
| Apaf-1 | Forward | 5′-CTGGCAACGGGAGATGACAATGG-3′ |
| Reverse | 5′-AGCGGAGCACACAAATGAAGAAGC-3′ |
| Nrf-2 | Forward | 5’-CACAGTGCTCCTATGCGTGA-3’ |
| Reverse | 5’-TTCTGGGCGGCGACTTTAT T-3’ |
| HO-1 | Forward | 5’-GGTGATGGCCTCCTTGTACC-3’ |
| Reverse | 5’-GTGG GGCATAGACTGGGTTC-3’ |
| β-actin | Forward | 5′-AAGATCCTGACCGAGCGTGG-3′ |
| Reverse | 5′-CAGCACTGTGTTGGCATAGAGG-3′ |

**Thermal Cycling**

The qPCR based determination of gene expression was done using the following temperature set up; (i) initial denaturation (95oC for 2 min duration) for a single cycle and followed by (ii) denaturation was carried out at 95oC for 30 seconds, (iii) annealing was conducted at a temperature of 60oC for 45 sec), (iv) extension was done by Taq polymerase at 72oC for 1 min; the steps ii to iv was repeated for 40 cycles and also a final extension at 72oC 1 min was given.

**Supplementary Material 2.** Polyphenol composition of the methanolic extract of Coconut haustorium extract determined using LC-MS method.

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| --- | --- | --- | --- |
| **Retention Time (RT)** | **m/z ratio** | | **Compound** |
| 1.45 | 153 | Protocatecuic acid | |
| 1.98 | 163 | p- Coumaric acid | |
| 2.39 | 289 | Catechin | |
| 2.40 | 289 | Caffeic acid | |
| 2.81 | 167 | Vanillic acid | |
| 3.45 | 137 | 4-hydroxy benzoic acid | |
| 6.22 | 193 | Ferulic acid | |
| 7.68 | 609 | ­­ Myricetin | |
| 9.90 | 301 | Quercetin | |