

**Table S1.** Quantitative phytochemical analysis of different extracts of RC

| Sr. No | Phytocompound | CE | DE | EEE | TE | EtE | ME | DWE |
|--------|---------------|----|----|-----|----|-----|----|-----|
| 1      | Phenol        | +  | +  | +   | +  | -   | +  | -   |
| 2      | Saponin       | +  | +  | -   | -  | -   | -  | -   |
| 3      | Glycosides    | +  | +  | +   | +  | -   | -  | -   |
| 4      | Steroids      | -  | -  | +   | +  | -   | -  | -   |
| 5      | Terpenoids    | -  | -  | -   | -  | -   | -  | -   |
| 6      | Tanins        | -  | -  | -   | -  | -   | -  | -   |
| 7      | Flavonoid     | +  | +  | +   | +  | -   | -  | -   |

-: not present, +: present, CE: Chloroform Extract, TE: Toluene Extract, DE: Dichloromethane Extract, EEE: Ethyl Ether Extract, EtE: Ethanol Extract, ME: Methanol Extract, DWE: Distilled Water Extract

**Table S2:** Antimicrobial activity of the compounds present in RC

| List of microorganisms        | Zone of inhibition (mm)   |                           |                           |                           |                              |                         |
|-------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------------|-------------------------|
|                               | 2-Methoxy-4-vinyphenol    |                           | Benzofuran                |                           | 5-Methylfuran-2-carbaldehyde |                         |
|                               | 0.5 mg.mL <sup>-1</sup>   | 1.0 mg.mL <sup>-1</sup>   | 0.5 mg.mL <sup>-1</sup>   | 1.0 mg.mL <sup>-1</sup>   | 0.5 mg.mL <sup>-1</sup>      | 1.0 mg.mL <sup>-1</sup> |
| <b>Gram-negative bacteria</b> |                           |                           |                           |                           |                              |                         |
| ATCC 14028                    | 09.00 ± 0.03 <sup>b</sup> | 15.00 ± 0.01 <sup>a</sup> | 09.00 ± 0.03 <sup>b</sup> | 11.00 ± 0.05 <sup>a</sup> | -                            | -                       |
| ATCC 35150                    | 10.00 ± 0.02 <sup>b</sup> | 15.00 ± 0.04 <sup>b</sup> | -                         | -                         | -                            | -                       |
| ATCC 43894                    | 11.00 ± 0.03 <sup>b</sup> | 20.00 ± 0.05 <sup>b</sup> | -                         | -                         | -                            | -                       |
| <b>Gram-positive bacteria</b> |                           |                           |                           |                           |                              |                         |
| ATCC 13150                    | 11.00 ± 0.01 <sup>a</sup> | 15.00 ± 0.05 <sup>a</sup> | -                         | -                         | -                            | -                       |
| ATCC 12600                    | 10.00 ± 0.04 <sup>a</sup> | 17.00 ± 0.03 <sup>a</sup> | 11.00 ± 0.01 <sup>a</sup> | 11.00 ± 0.04 <sup>a</sup> | -                            | -                       |
| ATCC 19118                    | 10.00 ± 0.02 <sup>a</sup> | 19.00 ± 0.03 <sup>b</sup> | 10.00 ± 0.04 <sup>a</sup> | 10.00 ± 0.03 <sup>a</sup> | -                            | -                       |
| ATCC 14579                    | 10.00 ± 0.05 <sup>a</sup> | 20.00 ± 0.05 <sup>a</sup> | -                         | -                         | -                            | -                       |
| <b>Fungi</b>                  |                           |                           |                           |                           |                              |                         |
| KCTC 7965                     | 11.00 ± 0.01 <sup>a</sup> | 11.00 ± 0.05 <sup>a</sup> | -                         | -                         | -                            | -                       |
| KCTC 6145                     | 10.00 ± 0.04 <sup>a</sup> | 13.00 ± 0.05 <sup>a</sup> | -                         | -                         | -                            | -                       |
| KCTC 6143                     | 10.00 ± 0.04 <sup>a</sup> | 13.00 ± 0.03 <sup>a</sup> | -                         | -                         | -                            | -                       |
| KCTC 6317                     | 10.00 ± 0.03 <sup>a</sup> | 11.00 ± 0.05 <sup>a</sup> | -                         | -                         | -                            | -                       |

| List of microorganisms        | Zone of inhibition (mm) |                         |                         |                         |                         |                         |
|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                               | 2-Purinol               |                         | Methylsulfonylmethane   |                         | 2-Furancarboxaldehyde   |                         |
|                               | 0.5 mg.mL <sup>-1</sup> | 1.0 mg.mL <sup>-1</sup> | 0.5 mg.mL <sup>-1</sup> | 1.0 mg.mL <sup>-1</sup> | 0.5 mg.mL <sup>-1</sup> | 1.0 mg.mL <sup>-1</sup> |
| <b>Gram-negative bacteria</b> |                         |                         |                         |                         |                         |                         |
| ATCC 14028                    | -                       | -                       | -                       | -                       | -                       | -                       |
| ATCC 35150                    | -                       | -                       | -                       | -                       | -                       | -                       |
| ATCC 43894                    | -                       | -                       | -                       | -                       | -                       | -                       |
| <b>Gram-positive bacteria</b> |                         |                         |                         |                         |                         |                         |
| ATCC 13150                    | -                       | -                       | -                       | -                       | -                       | -                       |
| ATCC 12600                    | -                       | -                       | -                       | -                       | -                       | -                       |
| ATCC 19118                    | -                       | -                       | -                       | -                       | -                       | -                       |
| ATCC 14579                    | -                       | -                       | -                       | -                       | -                       | -                       |
| <b>Fungi</b>                  |                         |                         |                         |                         |                         |                         |
| KCTC 7965                     | -                       | -                       | -                       | -                       | -                       | -                       |
| KCTC 6145                     | -                       | -                       | -                       | -                       | -                       | -                       |
| KCTC 6143                     | -                       | -                       | -                       | -                       | -                       | -                       |
| KCTC 6317                     | -                       | -                       | -                       | -                       | -                       | -                       |

**Figure S1.** GC-MS chromatogram of RCC extract



| Peak | R.T time | Area        |
|------|----------|-------------|
| 1    | 5.479    | 1.340E + 10 |
| 2    | 6.859    | 7101224     |
| 3    | 13.355   | 8058714     |
| 4    | 15.545   | 1660089     |
| 5    | 15.732   | 14721382    |
| 6    | 18.020   | 1747328     |
| 7    | 35.812   | 4990492     |

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