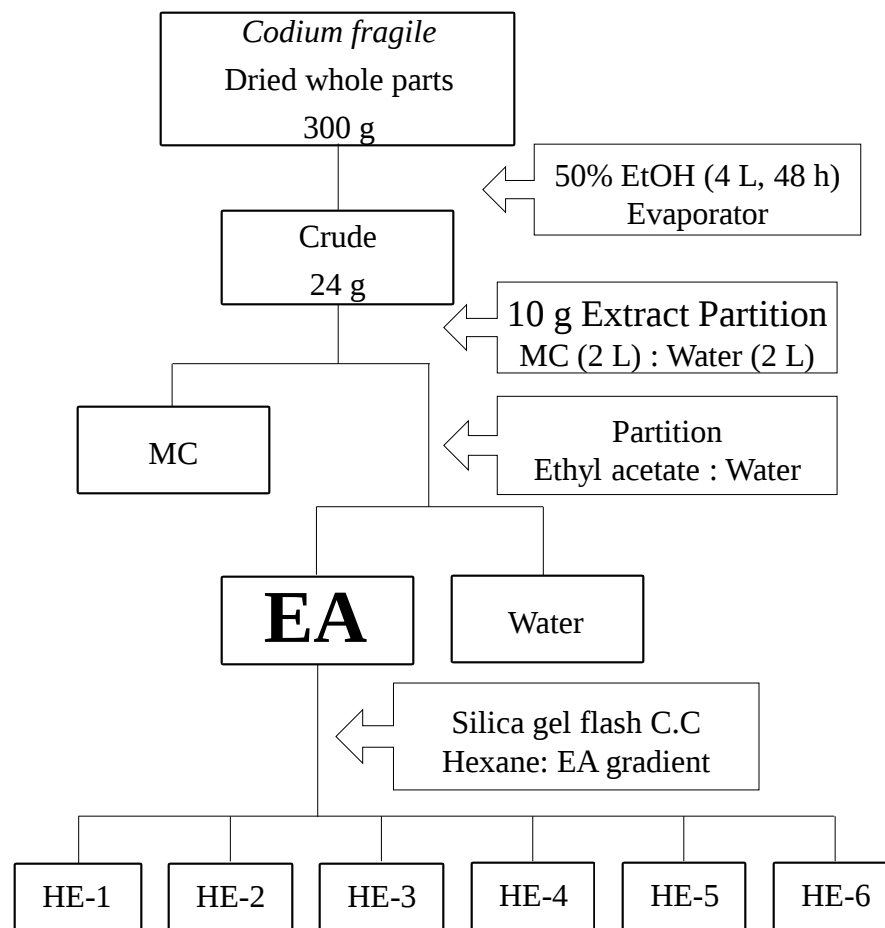


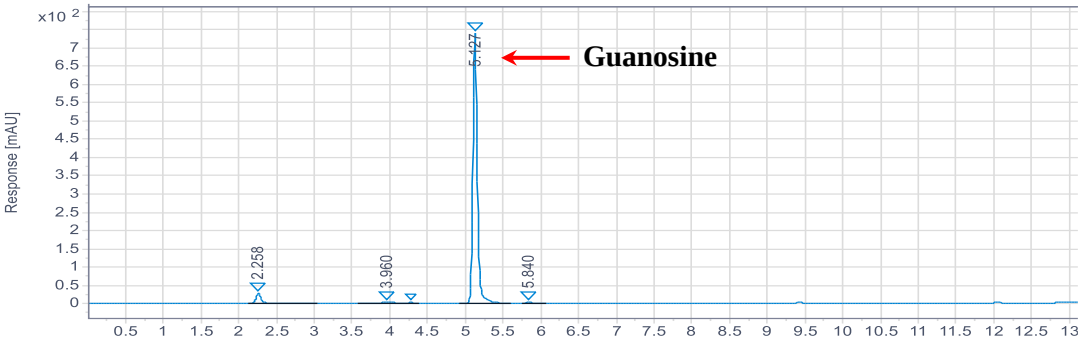
# Figure S1



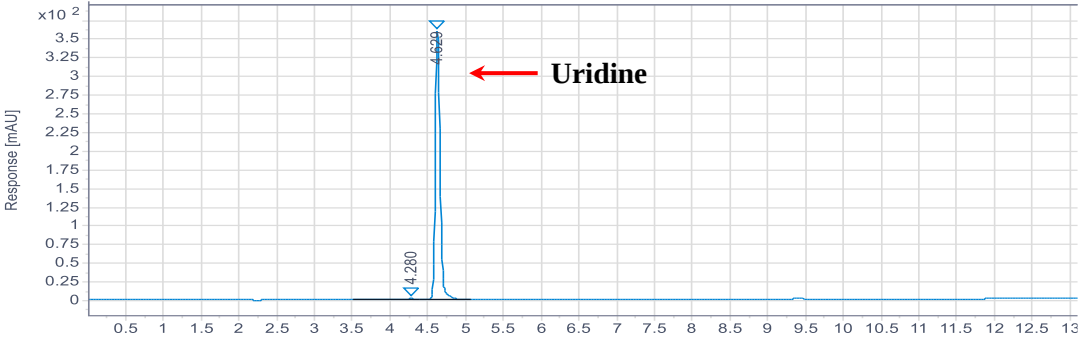
**Figure S1. Schematic diagram for extraction process of *C. fragile* extract**

MC, Methylene Chloride; EA, Ethyl acetate; HE, the products of EA after separation with silica gel by hexane: EA at different ratios

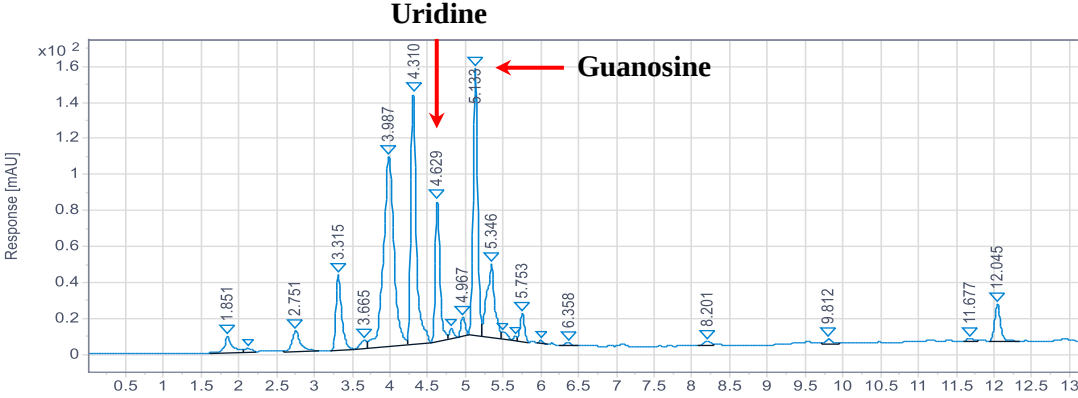
# Figure S2



(A) Guanosine standard



(B) Uridine standard



(C) 50% EtOH CFE

**Figure S2. Liquid chromatography mass spectrometry (LC-MS) analysis of *Codium fragile* extract (CFE).**  
(A) LC-MS chromatograms of guanosine standard. (B) LC-MS chromatograms of uridine standard. (C) LC-MS chromatograms of CFE.

**Table S1.** Nucleotide primers used in this study

| Gene             | Primer sequences                                           | Accession number |
|------------------|------------------------------------------------------------|------------------|
| mIL-1 $\beta$    | F: GGGCCTCAAAGGAAAGAATC<br>R: TACCAGTTGGGGAAGTCTGC         | NM_008361.4      |
| mIL-6            | F: AGTTGCCTTCTTGGGACTGA<br>R: CAGAATTGCCATTGCACAAC         | NM_031168.2      |
| mIL-4            | F: ACAGGAGAAGGGACGCCAT<br>R: GAAGCCCTACAGACGAGCTCA         | NM_021283.2      |
| mTNF- $\alpha$   | F: ATGAGCACAGAAAGCATGATC<br>R: TACAGGCTTGTCACCTCGAATT      | D84199.2         |
| miNOS            | F: TTCCAGAATCCCTGGACAAG<br>R: TGGTCAAACCTCTTGGGGTTC        | BC062378.1       |
| mCOX-2           | F: AGAAGGAAATGGCTGCAGAA<br>R: GCTCGGCTTCCAGTATTGAG         | NM_011198.4      |
| m $\beta$ -actin | F: CCACAGCTGAGAGGAAATC<br>R: AAGGAAGGCTGGAAAAGAGC          | NM_007393.5      |
| hIL-4            | F: CCCCTCTGTTCTTCCTGCT<br>R: TCGTCTTTAGCCTTTCCAAG          | BC070123.1       |
| hFLG             | F: CAGTCAGACTCTAGTACCGCTAAGG<br>R: CACTACCATAGCTGCCATGTCTC | NM_002016.2      |
| hLOR             | F: GTGGGAGCGTCAAGTACTCC<br>R: GAGACGCCTCCGTAGCTCTG         | M61120.1         |
| hIVL             | F: CCCATCAAAGCAAGAGGAAA<br>R: AGCTGCTGATCCCTTTGTGT         | NM_005547.4      |
| hTSLP            | F: AACCTTCAATCCCACCGCC<br>R: AGGATTGTGGCGTCGCTTC           | AY037115.1       |
| hGAPDH           | F: ATCAAGAAGGTGGTGAAGCAGGC<br>R: TCAAAGGTG GAGGAGTGGGTGTC  | J04038.1         |

Note: m = mouse, h = human