Supplementary Figure 1. Boxplot showing the distribution of the Ct values (n=318)



Supplementary Figure 2a: Box plot comparing Ct value among patients with (severe and severe-complicated) and without complications (32.6 ±3.4 versus 33.1 ±3.7; *p=0.23*)

Supplementary Figure 2b: Box plot comparing Ct value among patients with 30-day all-cause mortality and survivors (31.5 ±2.5 versus 33.0 ±3.7; *p=0.003*)



Supplementary Figure 2c: Box plot comparing Ct value among patients with 8-week recurrence compared to patients with no recurrence (31.9 ±2.9 versus 32.9 ±3.7; *p=0.17*)



Supplementary Figure 3a: 30-day mortality in association with Ct values receiver operating characteristic (ROC) curve



Supplementary Figure 3b: 8-week recurrence in association with Ct values receiver operating characteristic (ROC) curve.



Supplementary Table 1: Multivariable regression analysis for CDI severe complications

|  |  |  |
| --- | --- | --- |
| Factor | Odds Ratio | P-value |
| Age > 65 years | 0.45 (95% CI: 0.21-0.98) | **0.043** |
| Charlson co-morbidity score | 1.03 (95% CI: 0.93-1.14) | 0.571 |
| Highest WBC count within 4 days of CDI | 1.35 (95% CI: 1.24-1.47) | **<0.0001** |
| Ct value | 0.99 (95% CI: 0.90-1.09) | 0.806 |
| Minimum albumin value within 4 days of CDI | 0.93 (95% CI: 0.46-1.85) | 0.825 |
| Hypotension/ shock within 4 days of CDI | 6.094 (95% CI: 1.45-25.56) | **0.013** |

**Cr: creatinine, WBC: White Blood Cell**