**Supplementary Information**

**Supplementary file 1: Range of diagnostic doses used/established for temephos resistance assays in *Aedes aegypti*, and methods used to establish this diagnostic dose.**

|  |  |  |
| --- | --- | --- |
| Diagnostic dose | Method of diagnostic dose establishment | Reference |
| 0.006 mg/L | Twice the LC99 of Rockefeller strain | 1 |
| 0.008 mg/L | Twice the LC99 of Rockefeller strain | 2 |
| 0.012 mg/L | WHO diagnostic dose | 3 |
| WHO diagnostic dose and local test | 4 |
| WHO diagnostic dose | 5 |
| WHO diagnostic dose | 6 |
| 0.0125 mg/L | India government recommended dose  = operational dosage | 7,8 |
| 0.020 mg/L | WHO diagnostic dose | 8 |
| WHO diagnostic dose | 7 |
| WHO diagnostic dose | 9 |
| WHO diagnostic dose | 10 |
| WHO diagnostic dose | 11 |
| WHO diagnostic dose | 12 |
| Twice the LC99 of a local susceptible strain | 13 |
| 0.03 mg/L | Susceptible strain used not mentioned  Diagnostic dose of twice the LC99 of a local strain | 14 |
| 0.04 mg/L | Twice the LC99 of Bora strain | 15 |
| 0.082 mg/L | Twice the LC99 of Bora-bora strain | 16 |
| 0.28 mg/L | Twice the LC99 of Rockefeller strain | 17 |
| 0.352 mg/L | Twice the LC99 of Rockefeller strain | 18 |
| 1 mg/L | Operational dosage | 19,20 |

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