

Table 3 Log probit analysis and regression analysis of larvicidal activity of crude extracts of seed coats of *C. sophera* against all instar larvae of *Cx. quinquefasciatus*

| Larval instars | Period of bioassay(h) | LC ₅₀ | LC ₉₀ | Regression equation | R value |
|-----------------|-----------------------|------------------|------------------|---------------------|---------|
| 1 st | 24 | 0.60 | 1.02 | Y=16x+2 | 0.49 |
| | 48 | 0.54 | 0.78 | Y=16x+4.86 | 0.71 |
| | 72 | 0.50 | 0.72 | Y=10.667x+9.86 | 0.68 |
| 2 nd | 24 | 0.83 | 2.41 | Y=12.667x-0.66 | 0.52 |
| | 48 | 0.42 | 1.81 | Y=7.6667x+7.93 | 0.45 |
| | 72 | 0.42 | 1.19 | Y=9.3333x+8 | 0.57 |
| 3 rd | 24 | 1.13 | 5.36 | Y=8x+1.26 | 0.46 |
| | 48 | 0.47 | 1.17 | Y=11.333x+6.06 | 0.49 |
| | 72 | 0.32 | 0.79 | Y=6.6667x+12.46 | 0.54 |
| 4 th | 24 | 1.25 | 6.54 | Y=7x+1.6 | 0.45 |
| | 48 | 0.58 | 1.77 | Y=11.667x+3.26 | 0.34 |
| | 72 | 0.21 | 1.37 | Y=5.6667x+11.93 | 0.34 |