# Supplementary Table 1. qPCR primers

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| Gene | ORF Number | Name | sequence of primer  |
|  | AN1825a | qSQRU1 | CGTCGAGTCTCCCTACTTCG |
|  |  | qSQRL1 | CGCCATACTTGAACTCAGCA |
|  | AN1826b | qMBLU2 | ACCTGAAAGTGGGTGTCAGC |
|  |  | qMBLL2 | GGAAGATGGATCAACCGAAA |
| *hogA* | AN1017 | qHogAU1 | GAGACAGATGAGCCGGTAGC |
|  |  | qHogAL1 | ATTGGAAACCTTGCTGGTTG |
| *hk-8-1* | AN2581 | qHK8-1U2 | GTGTCAATCGTCGGGAGACT |
|  |  | qHK8-1L2 | AACTTGGGGAGTGTCCTGTG |
| *hk-8-2* | AN4113 | qHK8-2U1 | AAAGACCGAAACTCGAAGCA |
|  |  | qHK8-2L1 | TTTTCGGACTACCACCGTTC |
| *hk-8-3* | AN6820 | qHK8-3U2 | TCATGAACCTTTTCGGGAAC |
|  |  | qHK8-3L2 | GAGGTGGTTGGCAATGAAGT |
| *actA* | AN6542 | ANACT764U1 | GTGATGAGGCACAGTCCAAG |
|  |  | ANACT961L2 | AGTCATCTTCTCACGGTTGG |

a -AN1825 gene codes for sulfide:quinine reductase

b -AN1826 gene codes for metallo--lactamase