Table S2. Primers used for mutant construction and sequence.

| Primer name   | Amplification/Purpose | Sequence (5’ to 3’) | Source   |
|---------------|-----------------------|---------------------|----------|
| omcSupF       | GSU2504 upstream      | cggtacccgggggtaTCGCCGGTCACCGGTAAG | This work |
| omcSupR       |                       | TCCTCCTCGTTATTTGTACGCCG | This work |
| omcSdnF       | GSU2504 downstream    | CCATGGCGGGGAGCGATGACCGCTGCCTACTATGGCCGTA | This work |
| omcSdnR       |                       | cgactctagaggtacGGCACCCAGCTGTAAGTGTC | This work |
| gentFor       | Gm’-loxP              | CACTAGTAACGGGCCGCGAG | This work |
| gentRev       |                       | GGCCGCCAGTGATGATGGAT | This work |
| omcBupF       | GSU2737 upstream      | cggtacccgggggtaAGCAATTCTGCCTGACTGTCA | This work |
| omcBupR       |                       | TCCTCCTCGTTATTTGGAACCGCAAGCACAGCAGAAT | This work |
| omcBdnF       | GSU2737 downstream    | CCATGGCGGGGAGCGACTCGACTGGACAGCGCCA | This work |
| omcBdnR       |                       | cgactctagaggtacCTCCTTGTCCGTCGTCGCCAT | This work |
| omcEupF       | GSU0618 upstream      | cggtacccgggggtaGCCAGACCGGATTTCAGCAG | This work |
| omcEupR       |                       | TCCTCCTCGTTATTTGTCAGGTCGTCGTCGTTGATTCTTTG | This work |
| omcEdnF       | GSU0618 downstream    | CCATGGCGGGGAGCGATGAAGACCGGGACGTGAC | This work |
| omcEdnR       |                       | cgactctagaggtacTAGCCCAGGGCAAGGTCGTA | This work |
| Gene | GSU2076 | GSU2503 | GSU2751 | qGSU2751 |
|------|---------|---------|---------|---------|
| omcTdnF | downstream | CCATGGCGGGGAGCGGCCTCGGC AACGAGTTCATGA |  |  |
| omcTdnR | | cgactctagaggateGGGCATCAGGAAG AGAGGTGTA |  |  |
| omcZupF | upstream | cggtacccgggggatAGCTTGGCGGAAG AGAACGTCA |  |  |
| omcZupR | | TCCTCCTCGTTTATCGCTGACGT GACACTCGAGAC |  |  |
| omcZdnF | downstream | CCATGGCGGGGAGCGCTACGAGC TCCGCATCACCAA |  |  |
| omcZdnR | | cgactctagaggateCGAAATCCTACAAT GACCTCTCAGT |  |  |
| fgrMf | Amplifying KN400_0269 | CCATGGTTACGAATTGTCATGCCG TCAAGGGGAGA |  |  |
| fgrMr | | GGATCCCCGGGGAATTCTATGCAA GAGACGTGGAAATTAC |  |  |
| verOmcS-f | omcS mutation verification | GTCTTTCCGTCGACGCA |  |  |
| verOmcS-r | | GAAGCTGTGTGCCGGAATAG |  |  |
| verOmcB-f | omcB mutation verification | CAACCAACTCGGACACCGCAT |  |  |
| verOmcB-r | | CAGTCAGTGTGGATCAGCAT |  |  |
| verOmcE-f | omcE mutation verification | GCCACATTCAGGCGACGAAC |  |  |
| verOmcE-r | | GGGTTGGTGCCGCGTGATCA |  |  |
| verOmcT-f | omcT mutation verification | AGCTACCACATCATCAGGCA |  |  |
| verOmcT-r | | CATCGGCCACGGTCTAGATC |  |  |
| verOmcZ-f | omcZ mutation verification | CTACAGCGCAAGCTTCGATCA |  |  |
| verOmcZ-r | | ACCGAGAGGAGTGGATGTCA |  |  |
| qGSU2751f | quantification | CCAGCTACGGCCTACTTCTTCTT |  |  |
| qGSU2751r | | AAGCTGTGTGGTCAGAGGTAT |  |  |

The sequences with yellow background represent 15 bp overlapping sequences required for In-Fusion cloning.
