**Supplemental Data S1:** Primers and probes used for real-time detection of *Delftia* and Sanger DNA sequencing.

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| **Supplemental Data S1: Primers and Probes for *Delftia*** |
| **Description** | **Sequences** | **GenBank** |
| *Delftia* gold biomineralization gene qPCR | **Seq1**, forward:5’ ATGGCATGGGTCTATCTGTTG 3’ | CP000884.1 |
| **Seq2**, reverse:5’ TCATGGTGACGATGGTGATG 3’ |
| **Seq3**, double-quenched probe:5’ /56-FAM/ TCTGGGCGT / ZEN / TCTCGATGAAGCAAT /3IABkFQ/ 3’ |
| *Delftia* unique toxin-antitoxin sequence qPCR | **Seq4**, forward: 5’ GCTGCTCGAAGTGGTCTG 3’ | CP000884.1 |
| **Seq5**, reverse: 5’ ATGGTGATGGCGCTTGG 3’ |
| **Seq6**, double-quenched probe: 5’ /56-FAM/ CGATGAAGC / ZEN / AATCGCACGGCTT  /3IABkFQ/ 3’ |
| *Delftia* gold gene Sanger sequencing | **Seq7**, forward: 5’ AGATGTCCTGGATGTGGCT 3’ | CP000884.1 |
| **Seq8**, reverse: 5’ CTCATCAACATGTACGGCA 3’ |