

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Full list of DNA samples used in Batch 2 testing with results of mPCR and *in silico* methods.

File Name: Supplementary Data 2

Description: Full list of GEMS isolates used for *in silico* testing with results.

File Name: Supplementary Information

Description: Supplementary Methods, Figures, Tables, and raw gel images.