**SUPPLEMENTARY METHODS**

**Sequencing PCR Reaction**

Sequencing Primers (5’ to 3’):

Forward: CTGGTCCACCTACAACAAAG

Reverse: CCCTGATTCTGTGGATAACC

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|  |
| **STEP** | **TEMP** | **TIME** |
| Initial Denaturation  | 94°C  | 30 seconds  |
| 30 Cycles  | 94°C49°C68°C  | 15-30 seconds15-60 seconds1 minute/kb  |
| Final Extension  | 68°C  | 5 minutes  |
| Hold  | 4-10°C  |  |

**Golden Gate PCR Reaction**

Golden Gate Primers (5’ to 3’)::

Forward: ACTTCGGCTCTTCG*GGA*TCTGACCAGGGAAAATAGC

Reverse: ACTTCGGCTCTTCGCTGAAAATAAAAAAGGGGACCTCTAG

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|  |
| **STEP** | **TEMP** | **TIME** |
| Initial Denaturation  | 98°C  | 2 minutes  |
| 30 Cycles  | 98°C50°C72°C  | 10 seconds30 seconds30 seconds  |
| Final Extension  | 72°C  | 3 minutes  |
| Hold  | 4 |  |