

Table S1. Primer sequences for bisulfite sequencing assay.

Reaction	Forward primer	Reverse primer	Size of amplicone	Size of sequence reading	Total number of sequenced CpG sites
<i>AOX1</i>	AGTTTTTGGTAAAGAGTTTAGGA	ACCCCTAATAAACAAAAATACTTT	567 bp	400 bp	36
<i>SPON2</i>	AGGTTTATGAATTTGGGTTTAT	CCTACCCAAAACCTAAAAAAT	455 bp	400 bp	27

All primer are 5' →3' oriented.