

TABLE S7 Primers used in this study.

Primer name	Sequence	Remarks
Spy0644-1	GCGT <u>GGATCCC</u> AGTCAGCTTATGATACTGCTGTTA	BamHI site is underlined
Spy0644-2	GCGT <u>GGATCCC</u> CTGGTTGAGAGGACTTATAATATCA	BamHI site is underlined
lacR.1-1	GTCC <u>GGATCCC</u> CTGATATGACAGTTTCGTAGAGACTT	BamHI site is underlined
lacR.1-2	GTCCGGATCCAGCTAGCTTTTGAATCTCTCCTTCA	BamHI site is underlined
Spy0646-1	GTCCGGATCCCACGAAGTGAAGCCAGAGTGGTTA	BamHI site is underlined
Spy0646-2	GTCCGGATCCTTCTCTAGTTTCGCTCTGTGACAGAT	BamHI site is underlined
carB-1	GTCCGGATCCTTGGTGGAACTGGTGGAGGAATATG	BamHI site is underlined
carB-2	GTCCGGATCCATCAATCTTGGTCAAGCTCTCAAGT	BamHI site is underlined
nifS1-1	GTCCGGATCCGCGTCTCGCATTTTAGAAGCTTCC	BamHI site is underlined
nifS1-2	GTCCGGATCCATCTGGGTAAGCGGACAAAGATTTG	BamHI site is underlined
pstS-1	GTCCGGATCCCTACAACCCTTAGTAGAAGCAGTAG	BamHI site is underlined
pstS-2	GTCCGGATCCATTTGCCTTAAACCCATTTAATTGC	BamHI site is underlined
Indexing PCR primer 1	CAAGCAGAAGACGGCATAACGAGATCGGTT <u>CGCCTTA</u> ACACTCTTTCCCTACACGACGCTCTTCCGATCT	Index sequence is underlined
Indexing PCR primer 2	CAAGCAGAAGACGGCATAACGAGATCGGTT <u>CTAGTACG</u> ACTCTTTCCCTACACGACGCTCTTCCGATCT	Index sequence is underlined
Indexing PCR primer 4	CAAGCAGAAGACGGCATAACGAGATCGGTT <u>GCTCAGGA</u> AACTCTTTCCCTACACGACGCTCTTCCGATCT	Index sequence is underlined
Indexing PCR primer 3	CAAGCAGAAGACGGCATAACGAGATCGGTT <u>TCTGCC</u> TAACTCTTTCCCTACACGACGCTCTTCCGATCT	Index sequence is underlined
Indexing PCR primer 5	CAAGCAGAAGACGGCATAACGAGATCGGTT <u>AGGAGTCC</u> AACTCTTTCCCTACACGACGCTCTTCCGATCT	Index sequence is underlined
Indexing PCR primer 6	CAAGCAGAAGACGGCATAACGAGATCGGTT <u>CATGCCTA</u> AACTCTTTCCCTACACGACGCTCTTCCGATCT	Index sequence is underlined
Indexing PCR primer 7	CAAGCAGAAGACGGCATAACGAGATCGGTT <u>GTAGAGAG</u> AACTCTTTCCCTACACGACGCTCTTCCGATCT	Index sequence is underlined
Indexing PCR primer 8	CAAGCAGAAGACGGCATAACGAGATCGGTT <u>CTCTCTG</u> AACTCTTTCCCTACACGACGCTCTTCCGATCT	Index sequence is underlined
Adaptor primer 1	P-GATCGGAAGAGCACACGTCT	P = Phosphorylation
Adaptor primer 2	ACACTCTTTCCCTACACGACGCTCTTCCGATC*	* = Phosphorothioate bond
Specific ISS1 primer	AATGATACGGCGACCACCGAGATCTACACGTTTCATTGATATATCCTCGCTG	
Custom read 1 sequencing primer	GTTTCATTGATATATCCTCGCTGTCATTTTTATTTCATTTTACACTAAAATAGACTTAT	
Custom index read sequencing primer	AGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT	

Note: Adaptor primer 1 and Adaptor primer 2 (Oligonucleotide sequences © 2007 - 2012 Illumina, Inc. all rights reserved)