

Supplemental Material

Supplemental Table 1. PCR assays used in this study

Primer Pair	Target Gene/Encoded Protein	Forward	Reverse	Anneal Temp (°C)	Amp Size (bp)	Source
nadaF2 / pxcr6 (1°) nadAF.108 / nadAR.569 (2°)	<i>nadA</i> /quinolinate synthetase	ACG TCA TTT GGC TCA GGA GAA AAG CAG CCA CAA CAA CAG	CAA ACG CAT ATG TGG GCA CTT AAT AAA TGA CCA GGA CAC TC	48 57	754 440	Yu <i>et al.</i> , 1997 This study
fbpAF / fbpAR (1°) fbpAF.240 / fbpAR.743 (2°)	<i>fbpA</i> /iron binding protein	ATG ATG AGA TTR MTT GCT TG CAG CCT GTG CAA TCT GAA GC	CTA TCT CCA MCC ACA CTC AT CTT TGT AAC AGC ACC ACC GC	48 55	1005 465	Doyle <i>et al.</i> , 2005b This study
MUR-Groel-F / MUR-Groel-R (1°) MUR-Groel-INF / MUR-Groel-R (2°)	<i>groEL</i> /heat shock protein operon	GGA TCC ATT GGC TCT TGC TA AAG GGA TTC AAA GAA TTG GAT G	CCA CCA ACC TTT AAG ACA GCA	52 52	927 573	Telford <i>et al.</i> , 2011
EmCS638F / EmCS1349R (1°) EmCS innerF / EmCS innerR (2°)	<i>gltA</i> /citrate synthase	TAC AGA TTT CTC AAG AAT ATA CA TGG CAT GTT TTT CTG CCT TA	AAT GCA ATG TTT TCT AAT TCT AC TGA CCA AAA CCC ATT AAT CTT G	57 52	666 455	Tamamota <i>et al.</i> , 2007 Telford <i>et al.</i> , 2011
DSB-330 / DSB-728 (1°) DSB-330 / DSB-671 (2°)	<i>dsb</i> /disulfide oxidoreductase	GAT GAT GTC TGA AGA TAT GAA ACA AAT	CTG CTC GTC TAT TTT ACT TCT TAA AGT GCT GCT CCA CCA ATA AAT GTA TCY CCT A	60 61	355 317	Doyle <i>et al.</i> , 2005a
P28-14-F / P28-14-R1 (1°) P28-14-F / P28-14-R2 (2°)	<i>p28-14</i> /outer membrane protein	GCA GAT CCT GTA ACT TCC AA	CAC CAA AGT ATC CAG TGT CA TGA AGC GGA TGT AGT TTG AG	58 62	782 754	This study
P28-19-F1 / P28-19-R1 (1°) P28-19-F2 / P28-19-R2 (2°)	<i>p28-19</i> /outer membrane protein	TGG TAA CTT CTA TAT CAG CGG GGA TGG AGC TGC AAT ATC TA	GCA AGA GTT GAT CCA CTA GG GAA AGT GTC CAC CAA CAA AC	61 64	624 436	This study
p13-F / p13-R1 (1°) p13-F / p13-R2 (2°)	<i>p13</i> /outer membrane protein	CTG AAA GGA ATC TGC AAG GA	TAT CCT GCA TTT TAG GAC GC CAA TGA TGA TAC TGC GAA CAA	60 62	235 148	This study