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Supplementary Material

Polyhydroxyalkanoate involvement in stress-survival of two psychrophilic bacterial strains from the High Arctic

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Online Resource 1. DNA primers used in this study.

Primer	Primer sequence (5' – 3')	Note
A1169F A1169R	TCAGGAATTCCAATGCGTCCTGCTGCTCGCGGGT (<i>EcoRI</i>) TCAGGAGCTCGGCAAAGGTACCCGCCACGGAGCT (<i>SacI</i>)	For amplifying the 472-bp upstream homologous sequence of <i>phaC</i> _{A1169}
C1169F 1196C1R	GTACGAGCTCGAAGGCAGCCACCGGGTTGGCCG (<i>SacI</i>) CCAAGCTTAGGTGCCGGTGACGCCGAACACCAT (<i>HindIII</i>)	For amplifying the 348-bp downstream homologous sequence of <i>phaC</i> _{A1169}
A1169F 1196C1R	TCAGGAATTCCAATGCGTCCTGCTGCTCGCGGGT (<i>EcoRI</i>) CCAAGCTTAGGTGCCGGTGACGCCGAACACCAT (<i>HindIII</i>)	For the confirmation of the A1169 Δ <i>phaC</i> knock-out mutant
1169Z1F 1169Z1R	TCAGGGATCCATAACGGAGTTTCGACCCCATGCT (<i>BamHI</i>) TCAGGAATTCGTATCGTCCGAAAAGCGCTTGAA (<i>EcoRI</i>)	For amplifying the 333-bp upstream homologous sequence of <i>i-phaZ</i> _{A1169}
1169Z2F 1169Z2R	TCAGGAATTCGGGCATCTTCAGCGGCCGGCGCTG (<i>EcoRI</i>) TCAGAAGCTTGTGCGGCGGGTGCGTGCGTGGCCG (<i>HindIII</i>)	For amplifying the 414-bp downstream homologous sequence of <i>i-phaZ</i> _{A1169}
1169Z1F 1169rZ	TCAGGGATCCATAACGGAGTTTCGACCCCATGCT (<i>BamHI</i>) TTCACCACCGGTTTGCTGGCGA	For the confirmation of the A1169 Δ <i>i-phaZ</i> knock-out mutant
C2191F1 C2192R1	TCAGGGATCCATGTGCTGCAGGCGTTTGTGCGATG (<i>BamHI</i>) TCAGGTCGACTCGCCATTGCATGGATTACGTCGT (<i>SalI</i>)	For amplifying the 542-bp upstream homologous sequence of <i>phaC</i> _{A2191}
C2191F2 C2191R2	TCAGGTCGACGTGCAGAAGGCGGCAGGACAGCTG (<i>SalI</i>) TCAGAAGCTTTACGCACAGGACCTGCCAAGGGCT (<i>HindIII</i>)	For amplifying the 876-bp downstream homologous sequence of <i>phaC</i> _{A2191}
C2191F1 C2191R2	TCAGGGATCCATGTGCTGCAGGCGTTTGTGCGATG (<i>BamHI</i>) TCAGAAGCTTTACGCACAGGACCTGCCAAGGGCT (<i>HindIII</i>)	For the confirmation of the A2191 Δ <i>phaC</i> knock-out mutant
Z2191F1 Z2191R1	TCAGGGATCCGCACACAAGTGAGCAAGGAAACAA (<i>BamHI</i>) TCAGGGTACCTTACCTCTTGGGTGGTCCAGTACA (<i>KpnI</i>)	For amplifying the 690-bp upstream homologous sequence of <i>i-phaZ</i> _{A2191}
Z2191F2 Z2191R2	TCAGGGTACCATCTGCTGATGTCGTGGCGATCAA (<i>KpnI</i>) TCAGGAATTCGAATATTTCCCGGCGTTTTTCGGC (<i>EcoRI</i>)	For amplifying the 869-bp downstream homologous sequence of <i>i-phaZ</i> _{A2191}
Z2191F1 Z2191R2	TCAGGGATCCGCACACAAGTGAGCAAGGAAACAA (<i>BamHI</i>) TCAGGAATTCGAATATTTCCCGGCGTTTTTCGGC (<i>EcoRI</i>)	For the confirmation of the A2191 Δ <i>i-phaZ</i> knock-out mutant