

***Bacillus subtilis* Fur represses one of two paralogous haem-degrading monooxygenases**

By: Ahmed Gaballa and John D. Helmann

SUPPLEMENTARY TABLE

Supplementary Table S1. Oligonucleotides used in this study

Primer	Sequence (5'–3')	Purpose
yetG-lacZF	GCGAAGCTTATGTCGAGGACCAGCAGAA	Construction of <i>hmoA-lacZ</i> fusion
yetG-lacZR	GCGGGATCCGTCATTTTTCTCAACTGTA	
yetG-up-F	CGATTTACCTATGTCTGGTTA	Construction of <i>hmoA</i> mutant
yetG-up-R	CGTTACGTTATTAGCGAGCCAGTCGACTTTATCTG CAAAGCCTTC	
yetG-down-F	CAATAAACCCCTTGCCCTCGCTACGCATGTACCAT GTACGTGCTG	
yetG-down-R	TGGTCTGCGGTTTAGGCAT	
yetG-F-pet	GAGTGAGACA _t ATGTTTGTACAGTTGAGAAA	Overexpression of HmoA
yetG-R-pet	GCGGGATCCTTTTTATTGATTGTATGTCCCTTG	
yetG-GPS-1	ATTGCTTCCAGTGATCCTCTGA	5'RACE of <i>hmoA</i>
yetG-GPS-2	GCGCTGAAACGTTCTATGACTT	
yetG-R6N-F	AACAAAATGACGGTTAAAGAAGGCT	Construction of <i>hmoA</i> R6N mutant
yetG-R6N-R	AGCCTTCTTTAACCGTCATTTTGTTCAACTGTACA AACATTTGTCTC	
yetG-R6A-F	GCAAAAATGACGGTTAAAGAAGGCT	Construction of <i>hmoA</i> R6A mutant
yetG-R6A-R	AGCCTTCTTTAACCGTCATTTTGCCA ACTGTACA AACATTTGTCTC	
YhgC-pet16-F	GTGGCTCATATGAAGGTTTATATTACGTATGGGA CAGCCGATT	Overexpression of HmoB

Primer	Sequence (5'–3')	Purpose
YhgC-pet16-R	GCGGGATCCGGCAGCTATTCGACAGCGA	
YhgC-up-F	ATCAGGGTGCAAAATTGGAGA	Construction of <i>hmoB</i> mutant
YhgC-up-R	GAGAACAACCTGCACCATTGCAAGAAATCGGCT GTCCCATATGTAA	
YhgC-down-F	GGGATCAACTTTGGGAGAGAGTTCGGCCTTCCTA TGTCACCAC	
YhgC-down-R	AGCGACACCCGGAGAAGG	
YhgC-lacZ-F	GAATAAGCTTTTTTTCATCTATGAC	Construction of <i>hmoA-lacZ</i> fusion
YhgC-down-F- <i>SalI</i>	GCGGTCGACTTCTTTTGTTTTTCTTAGAAAT	
yhgC-N70R-F	AGAAATATTGCCGTTACTCAGGAA	Construction of <i>hmoB</i> N70R mutant
yhgC-N70R-R	TTCCTGAGTAACGGCAATATTTCTCAATACTGCA AAACCGGGATG	
yhgC-N70A-F	GCCAATATTGCCGTTACTCAGGAA	Construction of <i>hmoB</i> N70A mutant
yhgC-N70A-R	TTCCTGAGTAACGGCAATATTGGCCAATACTGCA AAACCGGGATG	