

Table S13: Putative motility genes more highly expressed in O₂ for *B. cereus* G9241 and *B. anthracis* Sterne (34F₂)

Locus Tag #	Gene Name	Fold Difference in O₂
<i>B. cereus</i> G9241		
BCE_G9241_0373	methyl-accepting chemotaxis protein putative	3.40
BCE_G9241_0538	methyl-accepting chemotaxis protein	2.53
BCE_G9241_0550	methyl-accepting chemotaxis transducer putative	5.03
BCE_G9241_0665	methyl-accepting chemotaxis protein putative	4.43
BCE_G9241_1669	sodium-driven polar flagellar protein PomB putative	3.48
BCE_G9241_1670	chemotaxis response regulator	6.32
BCE_G9241_1671	histidine kinase (cheA)	6.42
BCE_G9241_1672	chemotaxis protein cheC	4.21
BCE_G9241_1675	chemotaxis protein methyltransferase putative	2.43
BCE_G9241_1679	flagellar hook-associated protein 1 putative	5.64
BCE_G9241_1680	flagellar hook-associated protein flgL putative	5.56
BCE_G9241_1681	flagellar hook-associated protein 2	5.25
BCE_G9241_1682	flagellar protein putative	5.07
BCE_G9241_1684	flagellar basal-body rod protein flgB	12.05
BCE_G9241_1685	flagellar basal-body rod protein flgC	9.78
BCE_G9241_1686	flagellar hook-basal body complex protein fliE	15.92
BCE_G9241_1687	flagellar M-ring protein putative	12.91
BCE_G9241_1688	flagellar motor switch protein fliG	6.45
BCE_G9241_1690	type III secretion cytoplasmic ATPase SctN TC0040	4.64
BCE_G9241_1694	flagellar hook protein flgE putative	9.79
BCE_G9241_1697	chemotaxis protein cheV VC1602	5.01
BCE_G9241_1702	flagellin	7.47
BCE_G9241_1706	flagellar motor switch protein (fliM) putative	6.41
BCE_G9241_1707	flagellar motor switch protein fliN putative	5.93
BCE_G9241_1709	flagellar biosynthetic protein fliP	6.48
BCE_G9241_1710	flagellar biosynthesis protein fliQ	3.97
BCE_G9241_1711	flagellar biosynthetic protein fliR putative	7.96
BCE_G9241_1712	flagellar biosynthesis protein flhB	7.11
BCE_G9241_1713	flagellar biosynthesis protein flhA	5.45
BCE_G9241_1715	flagellar basal-body rod protein flgF putative	3.14
BCE_G9241_5113	methyl-accepting chemotaxis transducer putative	5.64
BCE_G9241_5185	methyl-accepting chemotaxis protein putative	3.43
BCE_G9241_CNI_0304	flagellar biosynthetic protein fliR putative	8.58
<i>B. anthracis</i> Sterne (34F₂)		
GBAA0370	methyl-accepting chemotaxis protein	3.87

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GBAA0558	methyl-accepting chemotaxis protein	2.44
GBAA0684	methyl-accepting chemotaxis protein	2.44
GBAA1125	methyl-accepting chemotaxis protein	3.67
GBAA1662	flagellar motor switch protein	2.14
GBAA3291	methyl-accepting chemotaxis protein	4.58
GBAA5256	methyl-accepting chemotaxis protein	5.15
GBAA5317	methyl-accepting chemotaxis protein	2.85